



# PUB. 111

# LIST OF LIGHTS

RADIO AIDS AND FOG SIGNALS

## 2015

THE WEST COASTS OF NORTH AND  
SOUTH AMERICA (EXCLUDING  
CONTINENTAL U.S.A. AND HAWAII),  
AUSTRALIA, TASMANIA, NEW ZEALAND,  
AND THE ISLANDS OF THE NORTH AND  
SOUTH PACIFIC OCEANS

### IMPORTANT

**THIS PUBLICATION SHOULD BE CORRECTED  
EACH WEEK FROM THE NOTICE TO MARINERS**



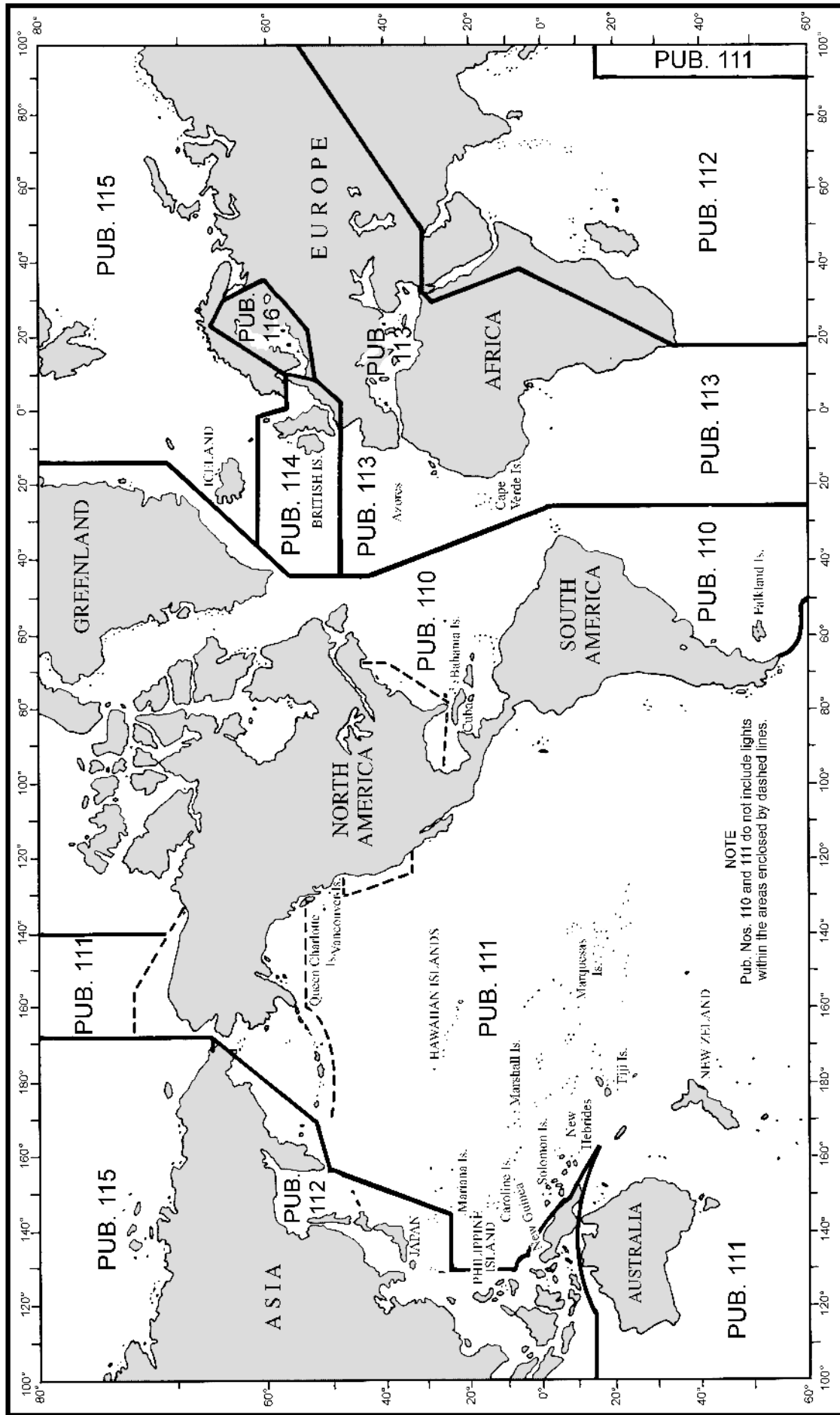
Prepared and published by the  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
Springfield, VA

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NSN 7642014007532  
NGA REF. NO. LLPUB111

# LIST OF LIGHTS LIMITS NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY



**111**

**LIGHTS**

**PACIFIC**

**2015**

## WARNING ON USE OF FLOATING AIDS TO NAVIGATION TO FIX A NAVIGATIONAL POSITION

The aids to navigation depicted on charts comprise a system consisting of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid.

The buoy symbol is used to indicate the approximate position of the buoy body and the sinker which secures the buoy to the seabed. The approximate position is used because of practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecisions in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain, and the fact that buoy and/or sinker positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which often occur more than a year apart. The position of the buoy body can be expected to shift inside and outside the charting symbol due to the forces of nature. The mariner is also cautioned that buoys are liable to be carried away, shifted, capsized, sunk, etc. Lighted buoys may be extinguished or sound signals may not function as the result of ice or other natural causes, collisions, or other accidents.

For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction the buoy marks.

## PREFACE

The 2015 edition of Pub. 111, List of Lights, Radio Aids and Fog Signals for the West Coasts of North and South America (excluding Continental U.S.A. and Hawaii), Australia, Tasmania, New Zealand and the Islands of the North and South Pacific Oceans, cancels the previous edition of Pub. 111.

This edition contains information available to the National Geospatial-Intelligence Agency (NGA) up to 4 April 2015, including Notice to Mariners No. 14 of 2015.

A summary of corrections subsequent to the above date will be in Section II of the Notice to Mariners which announced the issuance of this publication.

In the interval between new editions, corrective information affecting this publication will be published in the Notice to Mariners and must be applied in order to keep this publication current.

Nothing in the manner of presentation of information in this publication or in the arrangement of material implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and Territories.

## RECORD OF CORRECTIONS PUBLISHED IN WEEKLY NOTICE TO MARINERS

### NOTICE TO MARINERS

YEAR 2015				YEAR 2016			
1.....	14.....	27.....	40.....	1.....	14.....	27.....	40.....
2.....	15.....	28.....	41.....	2.....	15.....	28.....	41.....
3.....	16.....	29.....	42.....	3.....	16.....	29.....	42.....
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6.....	19.....	32.....	45.....	6.....	19.....	32.....	45.....
7.....	20.....	33.....	46.....	7.....	20.....	33.....	46.....
8.....	21.....	34.....	47.....	8.....	21.....	34.....	47.....
9.....	22.....	35.....	48.....	9.....	22.....	35.....	48.....
10.....	23.....	36.....	49.....	10.....	23.....	36.....	49.....
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## INTRODUCTION

The National Geospatial-Intelligence Agency publishes a List of Lights, Radio Aids and Fog Signals in seven volumes divided geographically as shown on the index chartlet on the inside front cover of this book. Major fixed and outermost floating aids to navigation, such as sea buoys, safety fairway buoys, traffic separation buoys, etc., are listed. Other floating aids are not generally listed. Storm signals, signal stations, radio direction finders, radiobeacons, RACONs and RAMARKs located at or near lights are found in this List. Radiobeacons are listed in a separate section in the back of this publication.







The date to which this publication has been corrected can be found in the Preface. In the interval between new editions, corrective information affecting this publication will be published in Section II of Notice to Mariners, and must be applied to keep this publication current. All of these corrections should be applied in the appropriate places and their insertion noted in the "Record of Corrections."

Mariners and other users are requested to forward new or corrective information useful in the correction of this publication to:

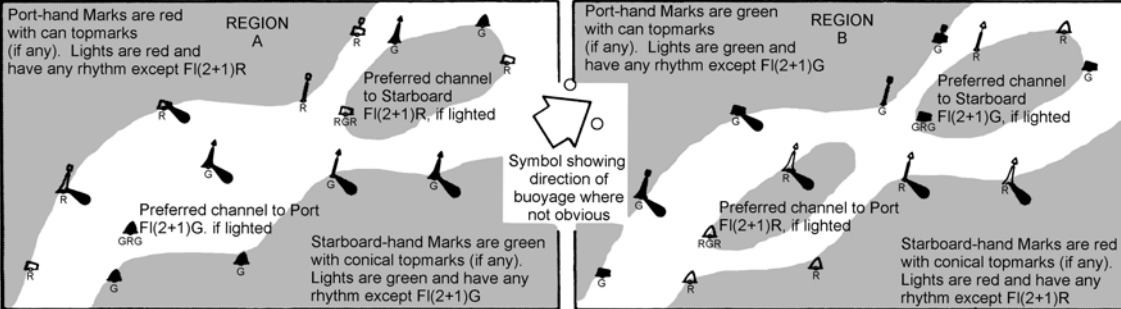
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# Buoys and Beacons IALA\* Buoyage System

Where in force, the IALA System applies to all fixed and floating marks and occasionally lighthouses, sector lights, range marks, lightships and LANBY's (large automatic navigational buoys).

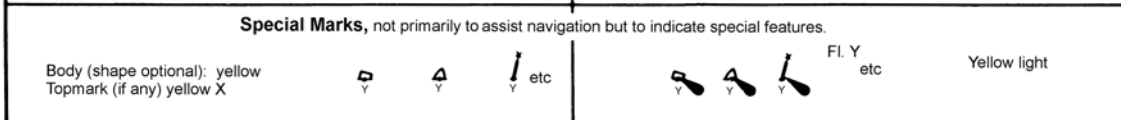
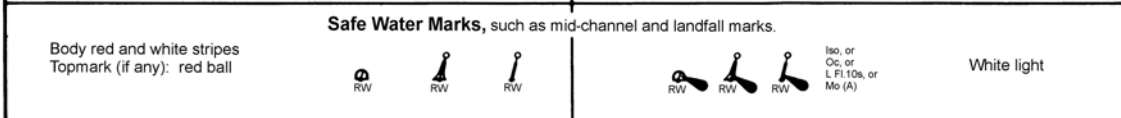
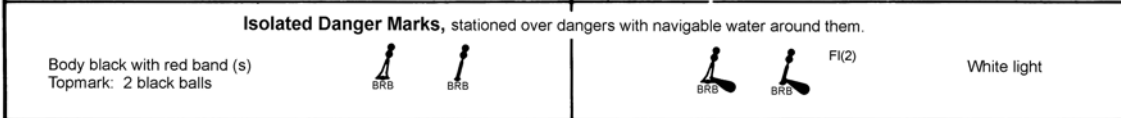
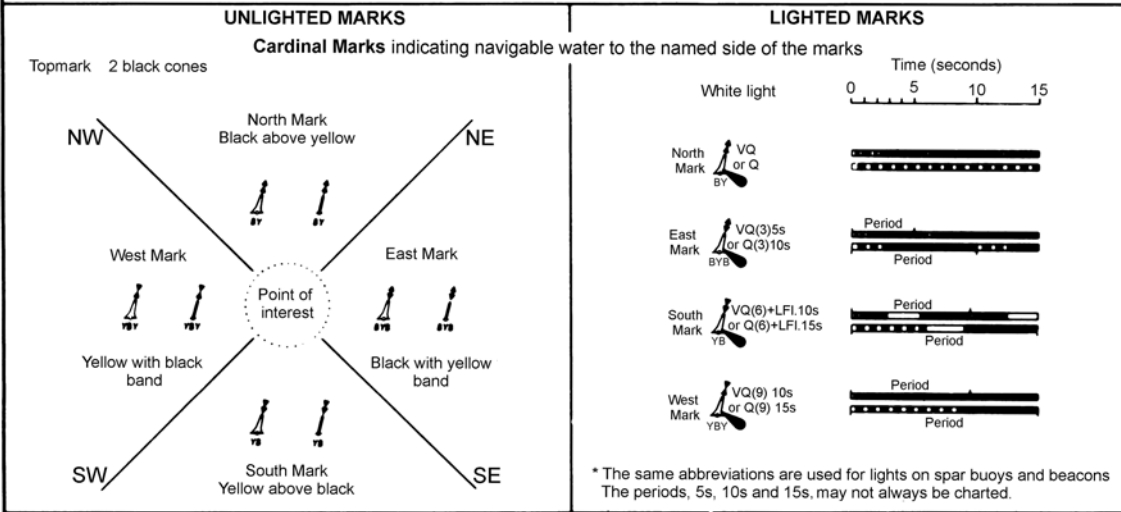
The standard buoy shapes are cylindrical (can) , conical , spherical , pillar (including high focal plane) , and spar , but variations may occur, for example lightfloats . In the illustrations below, only the standard buoy shapes are used. In the case of fixed beacons (lighted or unlighted), only the shape of the topmark is of navigational significance.






**Lateral Marks** (used in conjunction with a conventional direction of buoyage) are generally for well-defined channels. There are two international Buoyage Regions-A and B-where Lateral marks differ.





A preferred channel buoy may also be a pillar or a spar All preferred channel marks have three horizontal bands of color

All marks other than Lateral Marks are the same in REGIONS A and B



BEACONS with IALA System topmarks are charted by upright symbols. eg:    (minor beacon) or, on smaller-scale charts:  

Beacon towers are charted:   etc. (occasionally lighted)

RADAR REFLECTORS on buoys and beacons are not generally charted.

COLOR ABBREVIATIONS under symbols, especially those of spar buoys, may be omitted, or may be at variance with symbols shown above.

LIGHTFLOATS: The IALA System is not usually applied to large lightfloats (replacing manned lightships) but may be applied to smaller lightfloats.

\* IALA is an abbreviation of International Association of Lighthouse Authorities

## **THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY MARITIME SAFETY WEB SITE**

The National Geospatial-Intelligence Agency (NGA) Marine Safety Web site provides worldwide remote query access to extensive menus of maritime safety information 24 hours a day.

Databases made available for access, query and download include Notice to Mariners, Publications, Broadcast Warnings, Office of Naval Intelligence (ONI) Reports, Anti-Shipping Activity Messages (ASAMs), Arctic Maritime Safety Information (AMSI) Reports, Mobile Offshore Drilling Units (MODUs), Product Catalog and Miscellaneous Products. Publications that are also made available as PDF files include the U.S. Notice to Mariners, U.S. Chart No. 1, The American Practical Navigator (Bowditch), International Code of Signals, Radio Navigational Aids, World Port Index, Distances Between Ports, Sight Reduction Tables for Marine and Air Navigation, Radar Navigation and Maneuvering Board Manual.

The Maritime Safety Web site can be accessed via the NGA Homepage ([www.nga.mil](http://www.nga.mil)) under the Products and Services link or directly at <http://msi.nga.mil/NGAPortal/MSI.portal>. Any questions concerning the Maritime Safety Web site should be directed to:

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Telephone: (1) 571-557-7103 or DSN 547-7103  
E-mail: [webmaster\\_nss@nga.mil](mailto:webmaster_nss@nga.mil)

## DESCRIPTION

(Lights, Buoys, RACONs, RAMARKs)

Information is tabulated in eight columns as follows:

**Column 1:** The number assigned to each light, RACON or RAMARK by this Agency. International numbers are listed below this number in italic type and in a cross reference in the back of the book. RACONs and RAMARKs located at a light are listed with the light. Those not located at a light are assigned separate numbers.

**Column 2:** Name and descriptive location of the light or buoy, RACON or RAMARK. A dash (-) or dashes (--) in this column is used to reduce repetition of principal geographic names. This column is intended to describe the location of the navigational aid and to distinguish it from others in proximity. Differences in type indicate the following:

**Bold-faced:** Lights intended for landfall or having a visibility (range) of 15 miles or more.

*Italics:* Floating aids.

*ITALICS CAPITALS:* Lightships and LANBYs.

Roman: All other lights not mentioned above.

**Column 3:** Approximate latitude and longitude of a navigational aid to the nearest tenth of a minute, intended to facilitate chart orientation (use column 2 and the appropriate chart for precise positioning).

**Column 4:** Light, buoy, RACON or RAMARK characteristic (see Characteristics of Lights chart for explanation of lights).

**Column 5:** Height of light in feet (Roman type) equivalent measurement (below) given in meters (Bold-faced type).

**Column 6:** Range. The distance, expressed in nautical miles, that a light can be seen in clear weather or that a RACON or RAMARK can be received.

**Column 7:** Description of the structure and its height in feet.

Note—Stripes are vertical. Bands are horizontal. The use of the term “diagonal stripes” is the exception.

**Column 8:** Remarks—sectors, fog signals, radar reflectors, minor lights close by, radiobeacons, storm signals, signal stations, radio direction finders, and other pertinent information.

Geographic names or their spellings do not necessarily reflect recognition of the political status of an area by the United States Government.

The names of lights may differ from geographic names

on charts.

### ABBREVIATIONS


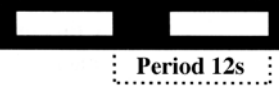








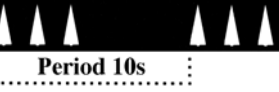


Where the lights of different countries intermingle in the list they are distinguished by the following letters:











(A.)	Argentina	(Hon.)	Honduras
(Aus.)	Australia	(M.)	Mexico
(C.)	Chile	(Nic.)	Nicaragua
(Can.)	Canada	(N.Z.)	New Zealand
(Col.)	Columbia	(P.)	Panama
(C.R.)	Costa Rica	(Sal.)	El Salvador
(F.)	France	(U.K.)	United Kingdom
(Gu.)	Guatemala	(U.S.)	United States

Other abbreviations:

Al.—alternating	It.—lit
bl.—blast	Mo.—Morse code
Bu.—blue	min.—minute
Dir.—directional	obsc.—obscured
ec.—eclipsed	Oc.—occulting
ev.—every	Or.—orange
F.—fixed	Q.—quick flashing
Fl.—flashing	R.—red
fl.—flash	s.—seconds
G.—green	si.—silent
horiz.—horizontal	U.Q.—ultra quick flashing
intens.—intensified	unintens.—unintensified
I.Q.—interrupted quick flashing	vert.—vertical
Iso.—isophase	Vi.—violet
I.V.Q.—interrupted very quick flashing	vis.—visible
Km.—kilometer (0.62137 mile)	V.Q.—very quick flashing
L.Fl.—long flashing	W.—white
	Y.—yellow

## CHARACTERISTICS OF LIGHTS

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Fixed	F.	A continuous and steady light.	
Occulting	Oc.	The total duration of light in a period is longer than the total duration of darkness and the intervals of darkness (eclipses) are usually of equal duration. Eclipse regularly repeated.	
Group occulting	Oc.(2)	An occulting light for which a group of eclipses, specified in number, is regularly repeated.	
Composite group occulting	Oc.(2+1)	A light similar to a group occulting light except that successive groups in a period have different numbers of eclipses.	
Isophase	Iso.	A light for which all durations of light and darkness are clearly equal.	
Flashing	Fl.	A light for which the total duration of light in a period is shorter than the total duration of darkness and the appearances of light (flashes) are usually of equal duration (at a rate of less than 50 flashes per minute).	
Long flashing	L.Fl.	A single flashing light for which an appearance of light of not less than 2 sec. duration (long flash) is regularly repeated.	
Group flashing	Fl.(3)	A flashing light for which a group of flashes, specified in number, is regularly repeated.	
Composite group flashing	Fl.(2+1)	A light similar to a group flashing light except that successive groups in a period have different numbers of flashes.	
Quick flashing	Q.	A light for which a flash is regularly repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.	
Group quick flashing	Q.(3)	A light for which a specified group of flashes is regularly repeated; flashes are repeated at a rate of not less than 50 flashes per minute but less than 80 flashes per minute.	
	Q.(9)		
	Q.(6)+L.Fl.		

TYPE	ABBR.	GENERAL DESCRIPTION	ILLUSTRATION
Interrupted quick flashing	I.Q.	A light for which the sequence of quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Very quick flashing	V.Q.	A light for which a flash is regularly repeated at a rate of not less than 80 flashes per minute but less than 160 flashes per minute.	
Group very quick flashing	V.Q.(3)	A light for which a specified group of very quick flashes is regularly repeated.	
	V.Q.(9)		
	V.Q.(6)+L.Fl.		
Interrupted very quick flashing	I.V.Q.	A light for which the sequence of very quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Ultra quick flashing	U.Q.	A light for which a flash is regularly repeated at a rate of not less than 160 flashes per minute.	
Interrupted ultra quick flashing	I.U.Q.	A light for which the sequence of ultra quick flashes is interrupted by regularly repeated eclipses of constant and long duration.	
Morse code	Mo.(U)	A light for which appearances of light of two clearly different durations are grouped to represent a character or characters in Morse Code.	
Fixed and flashing	F.Fl.	A light for which a fixed light is combined with a flashing light of greater luminous intensity.	
Alternating light	Al.	A light showing different colors alternately.	

NOTE - Alternating lights may be used in combined form with most of the previous types of lights.

## NOMENCLATURE OF LIGHTS

Lights exhibit a distinctive appearance by which they are recognized, e.g. Fixed, Flashing, Group Flashing, etc. The properties of their appearance, by which they are distinguished, are referred to as the *characteristics* of the light. The principal characteristics are generally the sequence of intervals of light and darkness, and, in some cases, the sequence of colors of light exhibited.

*Fixed lights*—those which exhibit a continuous steady light.

*Rhythmic lights*—those which exhibit a sequence of intervals of light and eclipse (repeated at regular intervals) in a manner described in Chart No. 1 and this volume.

*Alternating lights*—rhythmic lights which exhibit different colors during each sequence.

*Period of a light*—the time occupied by an entire cycle of intervals of light(s) and eclipse(s).

*Range: Meteorological visibility*—the greatest distance at which a black object of suitable dimensions can be seen and recognized against the horizon sky or, in the case of night observations, could be seen and recognized if the general illumination were raised to the normal daylight level.

*Luminous range of a light*—the greatest distance at which a light can be seen merely as a function of its luminous intensity, the meteorological visibility, and the sensitivity of the observer's eyes.

*Nominal range of the light*—the luminous range of a light in a homogeneous atmosphere in which the meteorological visibility is 10 nautical miles.

*Geographical range of a light*—the greatest distance at which a light can be seen as a function of the curvature of the earth, the height of the light source and the height of the observer.

The visibility of a light is usually the distance that it can be seen in clear weather and is expressed in nautical miles. Visibilities listed are values received from foreign sources.

*Range lights*—two or more lights at different elevations, so situated to form a range (leading line) when brought into transit. The light nearest the observer is the *front light* and the one farthest from the observer is the *rear light*. The front light is normally at a lower elevation than the rear light.

*Directional lights*—lights illuminating a sector of very narrow angle and intended to mark a direction to be followed.

*Vertical lights*—Two or more lights disposed vertically or geometrically to form a triangle, square, or other figure. If the individual lights serve different purposes, those of lesser importance are called *Auxiliary lights*.

*Occasional lights*—lights exhibited only when specially needed:

(a) *Tidal light*—shown at the entrance of a harbor, to indicate tide and tidal current conditions within the harbor.

(b) *Fishing light*—for the use of fishermen and shown when required.

(c) *Private light*—maintained by a private authority for its own purposes. The mariner should exercise special caution when using a private light for general navigation.

*Seasonal lights*—usually shown only during the navigation season or for a lesser time period within that season.

*Articulated lights*—offshore aids to navigation consisting of a length of pipe attached directly to a sinker by means of a pivot or such other device employing the principle of the universal joint. The positional integrity is intermediary between that of a buoy and a fixed aid.

*Aeronautical lights*—lights of high intensity which may be the first lights observed at night from vessels approaching the coast. Those lights situated near the coast are listed in the List of Lights in order that the navigator may be able to obtain more information concerning their description.

These lights are not designed or maintained for marine navigation and they are subject to change without prompt notification.

These lights are indicated in this List by the designation AVIATION LIGHT and are placed in geographical sequence in the body of the text along with lights for surface navigation.

*Aeromarine lights*—marine-type lights for which part of the beam is deflected to an angle of 10 to 15 degrees above the horizon to facilitate use by aircraft.

*Sector limits and arcs of visibility*—these are arranged clockwise and are given from seaward toward the light. Thus, in the diagram, the sectors of the light are defined as: obscured from shore to 302°, red to 358°, green to 052°, white to shore. These are bearings of the light as seen from a vessel crossing the sector lines.

Under some conditions of the atmosphere, white lights may have a reddish hue. The mariner should not judge solely by color where there are sectors but should verify this position by taking a bearing of the light. On either side of the line of demarcation between white and red there is always a small sector of uncertain color, as the edges of a sector of visibility cannot be clearly defined.

When a light is obscured by adjoining land and the arc of visibility is given, the bearing on which the light disappears may vary with the distance from which it is observed. When the light is cut off by a sloping point of land or hill, the light may be seen over a wider arc by a ship farther off than by one closer.

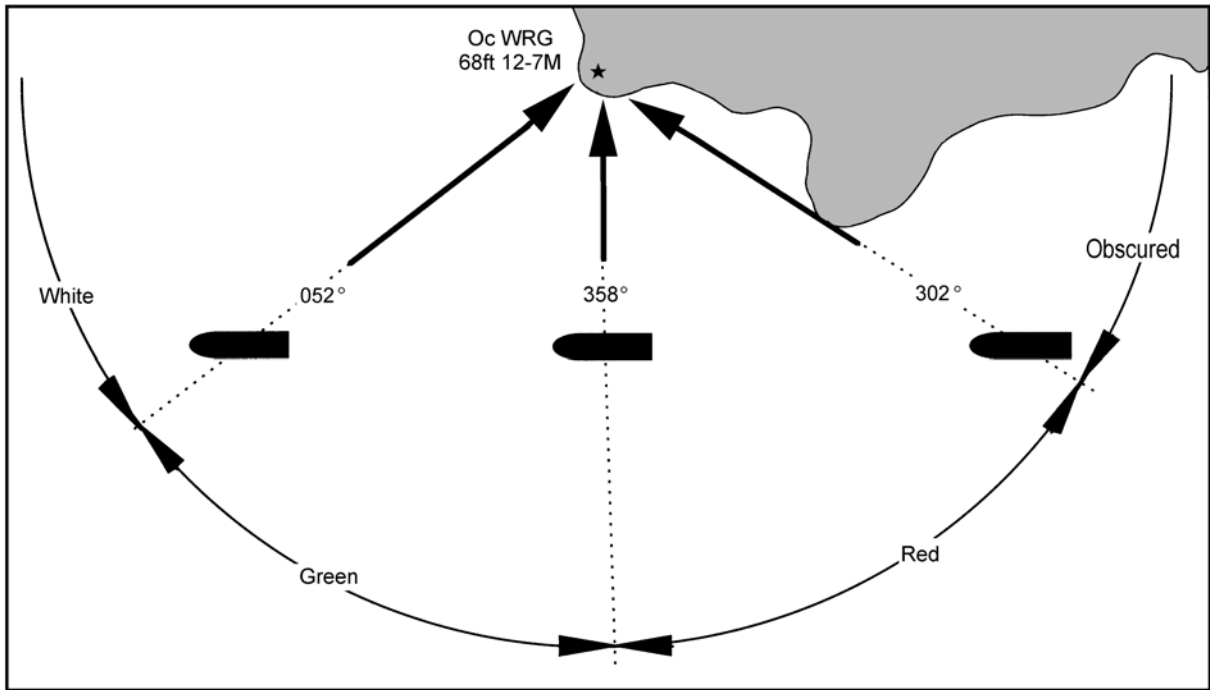
*Bearings*—all bearings are true, measured clockwise from 000°, and given in degrees or degrees and minutes.

Oil drilling and production platforms in *Canadian* waters exhibit a Q.W. light and sound a horn every 20 seconds.

Many of the navigational lights for *Ecuador, Colombia, Panama, Costa Rica, Nicaragua, El Salvador, and Guate-*

*mala* have been reported as irregular or unreliable. Navigational lights for *Antarctica* and the *South Shetland*

*Islands* are unreliable.





## LIGHTSHIPS, SUPERBUOYS, AND OFFSHORE LIGHT STATIONS

Courses should be set to pass all floating aids to navigation with sufficient clearance to avoid the possibility of collision from any cause. Experience shows that floating aids to navigation cannot be safely used as leading marks to be passed close aboard, but should always be left broad off the course, whenever searoom permits.

When approaching a lightship, superbuoy, or a station on a submarine site on radio bearings, the risk of collision will be avoided by insuring that the radio bearing does not remain constant.

Most lightships and large buoys are anchored with a very long scope of chain and, as a result, the radius of their swinging circle is considerable. The charted position is the location of the anchor. Furthermore, under certain conditions of wind and current, they are subject to sudden and unexpected sheers which are certain to hazard a vessel attempting to pass close aboard.

During extremely heavy weather and due to their

exposed locations, lightships may be carried off station. The mariner should, therefore, not implicitly rely on a lightship maintaining its precisely charted position during and immediately following severe storms. A lightship known to be off station will secure her light, fog signal, and radiobeacon and fly the International Code signal "LO" signifying "I am not in my correct position."

Major light stations of Canada, which exhibit the main light 24 hours per day, are being equipped with an emergency light which is brought into service automatically throughout the hours of darkness in the event of failure of the main light. This emergency light has a standard characteristic of Group Flashing (6) White 15 sec., i.e. six flashes of 1/2 second duration followed by a period of darkness (eclipse) of 7 seconds. It will normally (on a dark night with a clear atmosphere) be visible at 2 nautical miles. The presence of such emergency lights is shown in column (8) of the List of Lights and Fog Signals.

## FOG SIGNALS

The function of a fog signal in the system of aids to navigation is to warn of danger and to provide the mariner with an audible means of approximating his position relative to the fog signal when the station, or any visual signal which it displays, is obscured from view by atmospheric conditions.

Fog signals depend upon the transmission of sound through air. As aids to navigation, they have certain inherent defects that should be considered. Sound travels through the air in a variable and frequently unpredictable manner.

It has been established that:

fog signals are heard at greatly varying distances and that the distance at which a fog signal can be heard may vary with the bearing of the signal and may be different on different occasions;

under certain conditions of atmosphere, when a fog signal has a combination of high and low tones, it is not unusual for one of the tones to be inaudible. In the case of sirens, which produce a varying tone, portions of the blast may not be heard;

there are occasionally areas close to the signal in which it is wholly inaudible. This is particularly true when the fog signal is screened by intervening land or other obstructions;

fog may exist a short distance from a station and not be observable from it, so that the signal may not be in operation;

even though a fog signal may not be heard from the deck or bridge of a ship when the engines are in motion, it may be heard when the ship is stopped, or from a quiet position. Sometimes it may be heard from aloft though not on deck;

the intensity of the sound emitted by a fog signal may be greater at a distance than in immediate proximity.

All these considerations point to the necessity for the utmost caution when navigating near land in fog. Particular attention should be given to placing lookouts in positions in which the noises in the ship are least likely to interfere with hearing a fog signal. Fog signals are valuable as warnings, but the mariner should not place implicit reliance upon them in navigating his vessel. They should be considered solely as warning devices.

Among the devices in common use as fog signals are:

Radiobeacons which broadcast simple dot-and-dash combinations by means of a transmitter emitting modulated continuous waves;

Diaphones which produce sound by means of a slotted reciprocating piston actuated by compressed air. Blasts

may consist of two tones of different pitch, in which case the first part of the blast is high and the last of a low pitch. These alternate pitch signals are called "two-tone;"

Diaphragm horns which produce sound by means of a diaphragm vibrated by compressed air, steam, or electricity. Duplex or triplex horn units of differing pitch produce a chime signal;

Nautophones, electrically operated instruments, each comprising a vibrating diaphragm, fitted with a horn, which emits a high note similar in power and tone to that of the reed;

Reed horns which produce sound by means of a steel reed vibrator by compressed air;

Sirens which produce sound by means of either a disk or a cup-shaped rotor actuated by compressed air or electricity;

Whistles which produce sound by compressed air emitted through a circumferential slot into a cylindrical bell chamber;

Bells which are sounded by means of a hammer actuated by hand, wave motion, by a descending weight, compressed gas, or electricity;

Guns and explosive signals which are produced by firing of explosive charges, the former being discharged from a gun, and the latter being exploded in midair;

Fog Detector Lights—certain light stations, in addition to the main light, are equipped with fog detector lights for automatic detection of fog. These lights sweep back and forth through an area over which the fog watch is necessary, showing a powerful bluish-white flash of about 1 second in duration. The interval between successive flashes will vary with the position of the vessel within the sector. At the limits of the sector the duration of the flash may be considerably longer than 1 second.

Fog detector lights operate continuously.

Standby fog signals are sounded at some of the light and fog signal stations when the main fog signal is inoperative. Some of these standby fog signals are of a different type and characteristic than the main fog signal.

Radiobeacons, RACONS, RAMARKs, and radio direction-finders are mentioned in the List of Lights, but for detailed information, including the synchronization of radio signals and sound signals for distance finding, the navigator should consult Pub. 117, Radio Navigational Aids.

Note—use Chart No. 1 for the complete list of symbols and abbreviations commonly used in presenting the essential characteristics of lights, fog signals, and radio aids found on charts.

## VISIBILITY TABLE

*Table of distances at which objects can be seen at sea according to their respective elevations and the elevation of the eye of the observer.*

Height in Feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles	Height in feet	Distance in geographic or nautical miles
1	1.2	23	5.6	45	7.8	135	13.6	340	21.6	600	28.7
2	1.7	24	5.7	46	7.9	140	13.8	350	21.9	620	29.1
3	2.0	25	5.9	47	8.0	145	14.1	360	22.2	640	29.5
4	2.3	26	6.0	48	8.1	150	14.3	370	22.5	660	30.1
5	2.6	27	6.1	49	8.2	160	14.8	380	22.8	680	30.5
6	2.9	28	6.2	50	8.3	170	15.3	390	23.1	700	31.0
7	3.1	29	6.3	55	8.7	180	15.7	400	23.4	720	31.4
8	3.3	30	6.4	60	9.1	190	16.1	410	23.7	740	31.8
9	3.5	31	6.5	65	9.4	200	16.5	420	24.0	760	32.3
10	3.7	32	6.6	70	9.8	210	17.0	430	24.3	780	32.7
11	3.9	33	6.7	75	10.1	220	17.4	440	24.5	800	33.1
12	4.1	34	6.8	80	10.5	230	17.7	450	24.8	820	33.5
13	4.2	35	6.9	85	10.8	240	18.1	460	25.1	840	33.9
14	4.4	36	7.0	90	11.1	250	18.5	470	25.4	860	34.3
15	4.5	37	7.1	95	11.4	260	18.9	480	25.6	880	34.7
16	4.7	38	7.2	100	11.7	270	19.2	490	25.9	900	35.1
17	4.8	39	7.3	105	12.0	280	19.6	500	26.2	920	35.5
18	5.0	40	7.4	110	12.3	290	19.9	520	26.7	940	35.9
19	5.1	41	7.5	115	12.5	300	20.3	540	27.2	960	36.3
20	5.2	42	7.6	120	12.8	310	20.6	560	27.7	980	36.6
21	5.4	43	7.7	125	13.1	320	20.9	580	28.2	1000	37.0
22	5.5	44	7.8	130	13.3	330	21.3				

**Explanation.**—The line of sight connecting the observer and a distant object is at maximum length tangent with the spherical surface of the sea. It is from this point of tangency that the tabular distances are calculated. The table must accordingly be entered twice to obtain the actual geographic visibility of the object—first with the height of the object, and second with the height of the observer’s eye—and the two figures so obtained must be added. Thus, if it is desired to find the maximum distance

at which a powerful light may be seen from the bridge of a vessel where the height of eye of the observer is 55 feet above the sea, from the table:

	Nautical Miles
55 feet height of observer(visible) . . . . .	8.7
200 feet height of light(visible) . . . . .	<u>16.5</u>
Distance visible . . . . .	25.2

## CONVERSION TABLE — FEET TO WHOLE METERS

(FOR HEIGHTS OF LIGHTS)

**1 foot = 0.3048 meter**

Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters
		40	12	80	24	120	37	160	49	200	61
1	0	41	12	81	25	121	37	161	49	300	91
2	1	42	13	82	25	122	37	162	49	400	122
3	1	43	13	83	25	123	37	163	50	500	152
4	1	44	13	84	26	124	38	164	50	600	183
5	2	45	14	85	26	125	38	165	50	700	213
6	2	46	14	86	26	126	38	166	51	800	244
7	2	47	14	87	27	127	39	167	51	900	274
8	2	48	15	88	27	128	39	168	51	1000	305
9	3	49	15	89	27	129	39	169	52		
10	3	50	15	90	27	130	40	170	52		
11	3	51	16	91	28	131	40	171	52		
12	4	52	16	92	28	132	40	172	52		
13	4	53	16	93	28	133	41	173	53		
14	4	54	16	94	29	134	41	174	53		
15	5	55	17	95	29	135	41	175	53		
16	5	56	17	96	29	136	41	176	54		
17	5	57	17	97	30	137	42	177	54		
18	5	58	18	98	30	138	42	178	54		
19	6	59	18	99	30	139	42	179	55		
20	6	60	18	100	30	140	43	180	55		
21	6	61	19	101	31	141	43	181	55		
22	7	62	19	102	31	142	43	182	55		
23	7	63	19	103	31	143	44	183	56		
24	7	64	20	104	32	144	44	184	56		
25	8	65	20	105	32	145	44	185	56		
26	8	66	20	106	32	146	45	186	57		
27	8	67	20	107	33	147	45	187	57		
28	9	68	21	108	33	148	45	188	57		
29	9	69	21	109	33	149	45	189	58		
30	9	70	21	110	34	150	46	190	58		
31	9	71	22	111	34	151	46	191	58		
32	10	72	22	112	34	152	46	192	59		
33	10	73	22	113	34	153	47	193	59		
34	10	74	23	114	35	154	47	194	59		
35	11	75	23	115	35	155	47	195	59		
36	11	76	23	116	35	156	48	196	60		
37	11	77	23	117	36	157	48	197	60		
38	12	78	24	118	36	158	48	198	60		
39	12	79	24	119	36	159	48	199	61		

# RADIOBEACONS

## RADIO DIRECTION-FINDER SETS ON SHIPS

Radio direction-finder sets on board ship enable bearings to be taken of transmissions from other ships, aircraft, shore stations, marine radiobeacons, and the coastal stations of the radio communication network. When located in the pilothouse or on the navigating bridge, the direction-finder enables the navigating officer to obtain bearings himself without reference to others and without delay.

Due to the great value of radio bearings, particularly when visibility is poor and when celestial observations cannot be obtained, the radio direction-finder on board ship deserves the same consideration and care as are given to the sextant and compass. It has the following characteristics in common with the two latter navigational instruments: the readings are subject to certain errors; these errors may be reduced by skillful and intelligent operation; the dangers of using erroneous readings may be greatly reduced by the intelligence and good judgment of the mariner. In order to acquire experienced judgment in the operation of the instrument, it is essential that the mariner use it as much as practicable.

Troubles from interference and weak signals are greatly reduced by the use of direction-finders of proper selectivity. The bearings must be corrected for radio deviation as shown by the calibration curve of the set.

### Types of Radiobeacons

1. Directional radiobeacons which transmit radio waves in beams along fixed bearings.
2. Rotating radiobeacons by which a beam of radio waves is resolved in azimuth in a manner similar to the beam of light sent out by rotating lights.
3. Circular radiobeacons which send out waves of approximately uniform strength in all directions so that ships may take radio bearings of them by means of the ship's radio direction-finder sets. This is the most common type of radiobeacon.

To extend the usefulness of marine radiobeacons to ships and aircraft employing automatic radio direction finders, U.S. marine radiobeacons on the Atlantic and Pacific Coasts and Great Lakes have been modified to transmit a continuous carrier signal during the entire radiobeacon operating period with keyed modulation providing the characteristic signal. Unless a beat frequency oscillator is installed, the continuous carrier signals are not audible to the operator of an aural null direction finder. A ten second dash has been included in the characteristic of these radiobeacons, to enable the navigator using a conventional aural null direction finder to refine his bearing. Vessels with direction finders will be able to use the United States

radiobeacons located on the Atlantic and Pacific Coasts, and Great Lakes at any time in their assigned sequence.

### Aeronautical Radio Aids

Aeronautical radiobeacons and radio ranges are often used by navigators of marine craft in the same manner as marine radiobeacons are used for determining lines of positions. They are particularly useful along coasts where marine broadcast coverage is inadequate. Aeronautical aids situated inland become less trustworthy, so far as ships are concerned, when high land intervenes between them and the coast. They are established to be of primary usefulness to aircraft, and surface craft should use these aids with caution. Only those aeronautical radiobeacons considered to be of use to the mariner have been selected for inclusion in this publication.

**AERONAUTICAL RADIOBEACONS.** Like marine radiobeacons, these aids broadcast a characteristic signal on a fixed frequency.

**NOTE:** The assigned frequency of aeronautical radiobeacons is normally from 200 to 415 kHz while the frequency of marine radiobeacons is normally from 285 to 325 kHz. Aeronautical radiobeacons not within the marine radiobeacon band will not normally be listed in this publication.

The range signals are interrupted at intervals to permit broadcast of the identification signal. In aviation publications the range leg bearings are most often given as magnetic bearings toward the station; in this publication they are given as true bearings toward the station. Unless otherwise stated in the station details, aeronautical radio aids mentioned in this publication transmit continuously.

**NOTE:** Mariners are advised that changes to and deficiencies in aeronautical radio facilities are not always immediately available to maritime interests and the positions are approximate and listed to the nearest minute only.

### Obligations of Administrations Operating Radiobeacons

The obligations of nations and other administrations operating radiobeacons are given in Article 43 of the Radio Regulations of the International Telecommunication Union, Geneva.

### Accuracy of Bearings Taken Aboard Ship

No exact rules can be given as to the accuracy to be expected in radio bearings taken by a ship as the accuracy depends to a large extent upon the skill of the ship's operator, the condition of the ship's equipment, and the accu-

racy of the ship's calibration curve. Mariners are urged to obtain this information by taking frequent radio bearings when their ship's position is accurately known and by recording the results. Normally, United States radiobeacons are operated in a group of six, each station in a group using the same frequency and transmitting for one minute in its proper sequence, and operate during all periods, either sequenced or continuously, regardless of weather conditions.

**SKILL OF OPERATOR:** Skill in the operation of the radio direction-finder can be obtained only by practice and by observing the technical instructions for the set in question. For these reasons the operator should carefully study the instructions issued with the set and should practice taking bearings frequently.

**OPERATOR'S ERROR:** As the operator obtains bearings by revolving the direction-finder coil until the signal disappears or becomes a minimum, the operator can tell by the size of the arc of silence or of minimum strength approximately how accurately the bearing has been taken. For instance, if the minimum is broad and the residual signal covers about 10° with equal strength, it is doubtful if the bearing can be accurately estimated. On the other hand, if a sharp minimum can be obtained, the operator can determine the bearing to within a half of a degree.

In this connection it should be noted that a properly operating and correctly adjusted direction-finder should in no case produce other than a point or arc of absolute silence. That is, there should be no "residual" signal at the point or arc of observation. The sharpness and completeness of the arc of silence are the best indications of a properly operating direction-finder, and their absence is the best indication of the presence of "night effect."

**SUNRISE, SUNSET, OR NIGHT EFFECT:** Bearings obtained from about half an hour before sunset to about half an hour after sunrise may be subject to errors due to night effect. On some nights this effect is more pronounced than on others and effect is usually greatest during the hours of twilight. Night effect may be detected by a broadening of the arc of minimum signals and by a fluctuation in the strength of the signals. It may also be indicated by difficulty in obtaining a minimum or by a rapidly shifting minimum. It is sometimes accompanied by an actual shift in the direction of the bearings. If it is essential to obtain a bearing when the night effect is pronounced, several bearings should be taken over a short period of time and an average taken of them.

**RADIO DIRECTION FINDER WITHOUT GYRO REPEATERS:** The ship's compass must be read as the bearing is taken or an error may be introduced equal to the amount that the ship has yawed in the interval between taking the bearing and reading the compass. Any error in the ship's compass must be applied to the bearing.

**RECIPROCAL BEARINGS:** In some direction-finder sets, the operator cannot tell from which side of the ship the signals are coming. With these sets the operator shall correct both bearings for their respective deviations and give both corrected bearings to the person who is plotting the bearings on the chart. If the mariner is in doubt as to the side of the ship from which the bearings are coming, this difficulty can usually be solved by having another bearing taken after the ship has steamed a short distance and noting in which direction the bearing is changing.

**CALIBRATION:** It is essential that the radio direction-finder be accurately calibrated in order that the bearings may be corrected for deviation. While the bearings are being taken, other radio antennas on board must be in the same condition as they were when the calibration was made; movable parts of the ship's superstructure such as booms, davits, wire rigging, etc., must be secured in the positions which they occupied when the direction-finder was calibrated. Unusual cargoes such as large quantities of metals and extraordinary conditions of loading may cause errors.

The direction-finder should be recalibrated after any changes have been made in the set or its surroundings (this includes alterations to or changes in position of antennas, wire rigging, boat davits, booms, etc.) whenever there is reason to believe that the previous calibration has become inaccurate, and also at periodic intervals.

The calibration must be made on approximately the same frequency or frequencies as will be used to take bearings because the deviation for several frequencies is not likely to be the same. It is believed that one calibration curve is satisfactory for the normal radiobeacon frequency (285 to 325 kHz), but the instructions issued by the manufacturer of the particular direction-finder in question should be studied in this connection.

To facilitate the calibration of ship's direction-finders, special arrangements have been made by some services for operation of their radiobeacons at times other than their published schedules. Information as to the arrangements made by the United States stations in this respect is as follows:

Sequenced radiobeacons cannot broadcast at any time other than on their assigned operating minute for the purpose of enabling vessels to calibrate their radio direction finders without causing interference. Special radio direction finder calibration transmitters of short range are operated at certain localities to provide continuous calibration service.

The position given for the antenna is the point from which the radiobeacon signal is emitted.

If it is not practicable to determine the time of calibration sufficiently in advance to contact the district commander, request may be made directly to the stations by means of telephone, telegraph, or a whistle signal consisting of three long blasts; followed by three short blasts.

This whistle signal is to be repeated until it is acknowledged by the station through the starting of the transmitter. The same group of signals should be sounded at the termination of calibration.

The work of the station personnel is not confined to standing watch and there may be times when the whistle request for calibration is not immediately heard, due to the noise from operating station machinery, etc. Usually, a repeated signal not too far from the station will attract attention.

**“COMPENSATED” RADIO DIRECTION-FINDERS:** Many radio direction-finders are “compensated” and no calibration chart or curve is used. Attention is invited to the fact that such compensation is just as vulnerable as the calibration data due to changes made in the set or its surroundings.

**CHECK THE CALIBRATION:** The calibration of compensation should be checked frequently by taking bearings when the ship’s position is accurately known and the results should be recorded for future reference.

**CALIBRATION RADIOBEACONS:** In the United States and certain other areas special radiobeacons, primarily for calibrating shipboard direction-finders are in operation. These radiobeacons transmit either continuously during scheduled hours or upon request, as indicated in station details.

**COASTAL REFRACTION (OR LAND EFFECT):** Errors may occur in bearings taken by ships so located that the line of observation to the radiobeacon passes over land or along the shore line. However, many observations seem to indicate that such errors are negligible when the observing vessel is well out from the shore. Bearings secured entirely over water areas are to be preferred since “land effect” is thus eliminated. Bearings taken at sunset and sunrise are likely to be erratic, and observations taken at these hours should therefore be repeated and checked as may be feasible.

**PROGRAM BROADCASTING STATIONS:** Before taking bearings on a station broadcasting entertainment programs a mariner should consider that frequency may differ widely from the frequency for which the set is calibrated, that the published location of the station may be that of its studio and not that of its transmitting antenna, that if the station is synchronized with other stations it may be impossible to tell on which station the bearing was taken, and that as the majority of these stations are inland, the coastal refraction may be excessive.

### **Station Details**

**FREQUENCY:** The frequency listed is that used by the station in transmitting its “Characteristic Signal.” Calling frequencies, if any, will be given under “remarks.”

**RANGE:** In this book the range of radiobeacons is only approximate and is given merely to assist mariners in

planning their voyages and to inform them of several radiobeacons they will probably hear first. Frequently, when conditions for radio reception are good, radiobeacons may be heard at greater distances than indicated. The mariner who is at a greater distance than the range indicated should attempt to obtain bearings when necessary, and not assume that the radiobeacon will be unheard beyond its indicated range.

**GROUP SEQUENCE:** Selected radiobeacons are grouped together on the same operating frequency and are assigned a specific sequence of transmission within this group. This reduces station interference and unnecessary returning.

**ANTENNA LEAD-IN:** Included in the details of many radiobeacons located at or near light stations is a statement of the distance and bearing of the radiobeacon transmitting antenna from the light tower. Use should be made of this information when calibrating the ship’s direction-finding equipment by means of simultaneous visual and radio bearings.

### **Plotting Radio Bearings**

The procedure for converting radio (great circle) bearings as received by direction-finder equipment aboard ship is identical with that used in converting radio bearings supplied by direction-finder stations on shore and is described in section 100E “Plotting Radio Bearings” of Pub. 117, Radio Navigational Aids.

### **Synchronization for Distance Finding**

At some radiobeacon stations, sound signals, either submarine or air or both, are synchronized with the radiobeacon signals for distance finding. Ordinarily, the sound signals do not operate during the transmission period of the radio signal in clear weather. The methods in use employ, as a rule, distinctive signals to indicate the point of synchronization, and make use, for determining distance, of the lag of signals traveling through air or water as compared to the practically instantaneous travel of the radio signals.

In the case of some sound signals, a series of short radio dashes is transmitted at intervals following the synchronizing point, so that by counting the number of such short dashes heard after the distinctive radio signal and before hearing the corresponding distinctive sound signal, the observer obtains the distance, in miles equal to the number of dashes counted, from the sound signal apparatus unless stated otherwise.

In the case of other signals, the observer notes the number of seconds intervening between the reception of the distinctive radio signal and the corresponding sound signal and uses a factor to determine distances in miles as follows:

Submarine signals—multiply the observed numbers of seconds by 0.8 or divide by 1.25 distance in nautical miles.

Air signals—multiply the observed number of seconds by 0.18 or divide by 5.5. For more approximate results or for statute miles, multiply the observed number of seconds by 0.2 or divide by 5.

*Tables for finding distance*

Interval in seconds	Distances in nautical miles from sound signal source	
	Air	Submarine
1	0.18	0.8
2	0.36	1.6
3	0.54	2.4
4	0.72	3.2
5	0.90	4.0
6	1.08	4.8
7	1.26	5.6
8	1.44	6.4
9	1.62	7.2
10	1.80	8.0
20	3.60	16.0
30	5.40	24.0
40	7.20	
50	9.00	
60	10.80	

REMARKS: Average speed of sound travel in water is 1 nautical mile in 11/4 seconds.

The speed of sound travel is influenced by a number of conditions making it impracticable to state a factor that will give exact results under all conditions. The results obtained by the methods described may be accepted as being accurate to within 10 percent of the distance.

Methods of synchronizing the signals vary and are described or illustrated in official announcements regarding them. It is essential to note carefully the point of synchronization used so that no error will be made through taking time on the wrong signal or the wrong part of it.

In observing air signals it is usually sufficient to use a watch with second hand, although a stop watch is helpful. For submarine signals where the interval is shorter and a time error correspondingly more important, it is essential that a stop watch or other timing device be used. Where the radiobeacon and submarine signals are not received at the same point on the vessel, means of instant communication between two observers should be available or synchronized stop watches provided for each.

Ships not equipped with a DF receiver can take advantage of the distance-finding feature of a radiobeacon station, if equipped with a radio receiver capable of receiving

the transmission. In the case of obtaining distance from a radiobeacon station which is synchronized with a submarine sound signal, the ship must also be equipped with a device for picking up submarine sound signals.

### Rotating Loop Radiobeacon

#### MODE OF OPERATION:

(1) The radiobeacon consists of a rotating loop transmitter having directional properties by which an observer in a ship can obtain his bearing from the beacon without the use of a direction-finder. Any ordinary receiving set capable of being tuned to the radiobeacon's frequency may be used. The only other equipment required is a reliable stop watch or chronograph with a sweep second hand. Stop watches and clocks with dials graduated in degrees may be used, from which bearings may be read directly without any mathematical calculation.

(2) During each revolution of the beacon, the signals received by the observer will rise and fall in intensity, passing through a maximum and a minimum twice each minute. The positions of minimum intensity, which occur at intervals of thirty seconds from one another, are very sharp and can be accurately observed. These are, therefore, used for navigation purposes.

The beacon may be regarded as having a line or beam of minimum intensity which rotates at a uniform speed of 360° in 1 minute (i.e. 6° in 1 second) based on the true meridian as starting point. Therefore, if the observer can (a) identify the beacon and (b) measure the number of seconds which this minimum beam takes to reach their position starting from the true meridian, this number multiplied by six will give their true bearing from the beacon or its reciprocal.

The signals which enable the beacon to be identified and the bearing to be calculated are described in the following paragraphs:

Signals transmitted by the beacon: Each transmission from the beacon lasts for 4 minutes; the beacon is then silent for 8 minutes, and automatically starts again at the end of the silent period. Each transmission consists of two parts: (a) the identification signal of the station set at a slow speed for the first minute, commencing when the minimum beam is true east and west and followed by a long dash of about 12 seconds duration; (b) the signal group commencing when the minimum beam is approaching the true meridian, and consisting of (i) the north starting signal, which is the letter V followed by two dots (•• — ••); (ii) a long dash of about 12 seconds duration; (iii) the east starting signal, which is the letter B followed by two dots (— •• ••); and (iv) a long dash for about 42 seconds.

The navigation signals are repeated during the remainder of the transmission and signals cease when the minimum beam is in the east and west position.



## INSTRUCTIONS FOR TAKING BEARINGS

- (i) Set stop watch to zero.
- (ii) Listen for identification signal.
- (iii) When the first long dash begins (at A on diagram) get ready for the "north signal."
- (iv) After the "north signal," start stop watch exactly at beginning of long dash (see "00 seconds" on diagram) counting one-two with the two preceding dots, and 3 for the start of the stop watch.
- (v) Listen for minimum and note its exact time by stop watch.

NOTE: If stop watch is graduated in degrees note exact angle, which is the bearing.

- (vi) Multiply number of seconds by  $6^\circ$  for bearing.
- (vii) Determine whether bearing is direct or reciprocal.
- (viii) If the "north signal" is faint, use the "east signal," but add  $090^\circ$  to final bearing.

Particular attention is directed to the following:

- (a) The stop watch must be started exactly at the beginning of the long dash for each series of observations.
- (b) The time of occurrence of the minimum must be read to the nearest fifth of a second.
- (c) The bearing obtained will be either the direct bearing or its reciprocal.
- (d) When using the east signal, add  $090^\circ$  to obtain bearings from true north.
- (e) The beacon is set up on the true meridian, and no correction is required for magnetic variation.
- (f) No quadrantal error arises, and no corrections are necessary except as in (c) and (d) above.

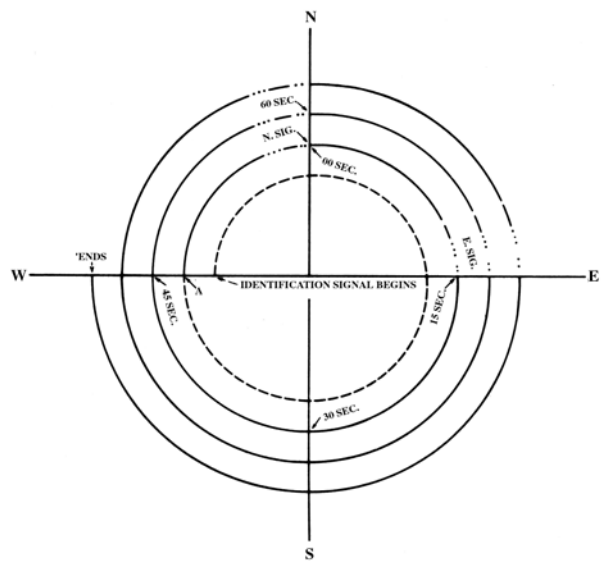
(A correction must, of course, be made for convergency; this should be applied as if the beacon were a shore radio direction-finder station.)

(g) A comparatively large error of bearing may occur due to inaccuracy in the stop watch, and to obviate this,

observers or navigators should check their stop watches on the beacon station before taking bearings. This can easily be done by checking the time by stop watch of the complete revolution of the beacon transmission. Any error found can then be allowed for.

### Caution

Due to the many factors which enter into the transmission and reception of radio signals, a mariner cannot practically estimate its distance from a radiobeacon either by the strength of the signals received or by the time at which the signals were first heard. Mariners should give this fact careful consideration in approaching radiobeacons. A diagram showing the signals used is given below.



ROTATING RADIOBEACON  
SIGNAL DIAGRAM

## DESCRIPTION

(Radiobeacons)

Information is tabulated in eight columns as follows:

*column 1:* The number assigned to each radiobeacon by this Agency.

*column 2:* Name and/or descriptive location of the radiobeacon.

*column 3:* Approximate latitude and longitude of the radiobeacon to the nearest tenth of a minute.

*column 4:* Radiobeacon characteristics. Included in this column are the Morse code, period in seconds, length of transmission and silence time.

*column 5:* Range (approximate) in nautical miles.

*column 6:* Group sequence. Selected radiobeacons are grouped together on the same operating frequency and are assigned a specific sequence of transmission within this group. This reduces station interference and unnecessary return.

*column 7:* Frequency (given in kilohertz) and amplitude modulation (see Table Symbols).

*column 8:* Remarks. Transmission synchronization, type of radiobeacon (marine, aero, etc.), calibration, antenna lead-in, calling frequencies, distance-finding information, service charges, hours of transmission, directional signals and other pertinent information.

## ABBREVIATIONS

aero ..... aeronautical  
tr ..... transmission  
si ..... silence  
s ..... seconds  
(4) ..... 4 times  
Transmission is continuous unless otherwise stated.

## TABLE OF SYMBOLS

### LEGEND

- (1) Type of modulation of the main carrier.
- (2) Nature of signal(s) modulating the main carrier.
- (3) Type of “information” to be transmitted. “Information” does not include information of a constant, unvarying nature such as provided by standard frequency emissions, continuous wave and pulse radars, etc.

### AMPLITUDE MODULATION:

#### **N0N**

- (1) Emission of an unmodulated carrier.
- (2) No modulating signal.
- (3) No information transmitted.

#### **A1A**

- (1) Double-sideband.
- (2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

#### **A2A**

- (1) Double-sideband.
- (2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

#### **A3E**

- (1) Double-sideband.
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

#### **R3E**

- (1) Single-sideband (reduced or variable level carrier).
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

#### **B8E**

- (1) Independent sidebands.
- (2) Two or more channels containing analog information.
- (3) Telephony (including sound broadcasting).

#### **H2A**

- (1) Single-sideband (full carrier).
- (2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

**H3E**

- (1) Single-sideband (full carrier).
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

**J3E**

- (1) Single-sideband (suppressed carrier).
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

**A3C**

- (1) Double-sideband.
- (2) Single channel containing analog information.
- (3) Facsimile.

**A3F**

- (1) Double-sideband.
- (2) Single channel containing analog information.
- (3) Television (video).

**B7D**

- (1) Independent sidebands.
- (2) Two or more channels containing quantized or digital information.
- (3) Data transmissions, telemetry, telecommand.

Note: With 6 kHz. EDW operation in the bands below 30 MHz allocated exclusively for Maritime Mobile Service (FC, MO).

**FREQUENCY (OR PHASE) MODULATION:****F1B**

- (1) Frequency modulation.
- (2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
- (3) Telegraphy (for automatic reception).

**F2A**

- (1) Frequency modulation.
- (2) Single channel containing quantized or digital information with the use of a modulating subcarrier.
- (3) Telegraphy (for aural reception).

**F3E**

- (1) Frequency modulation.
- (2) Single channel containing analog information.
- (3) Telephony (including sound broadcasting).

### **F3C**

- (1) Frequency modulation.
- (2) Single channel containing analog information.
- (3) Facsimile.

### **F3F**

- (1) Frequency modulation.
- (2) Single channel containing analog information.
- (3) Television (video).

### **P1B**

- (1) Sequence of unmodulated pulses.
- (2) Single channel containing quantized or digital information without the use of a modulating subcarrier.
- (3) Telegraphy (for automatic reception).

Pulse Modulation:

GHz = gigahertz

kHz = kilohertz

MHz = megahertz

## DIFFERENTIAL GLOBAL POSITIONING SYSTEM (DGPS)

Differential Global Positioning System (DGPS) is a radio-based navigation system that eliminates errors in a GPS receiver that will allow the accuracy level to be significantly enhanced. DGPS accuracy can be 10 meters or better, compared with 100 meters or better with GPS. This is possible by placing a high-performance GPS receiver (reference station) at a known location. Because the receiver knows its exact location, it can determine the errors in the satellite signals. The satellite measures the ranges to each satellite using the signals received and comparing these measured ranges to the actual ranges calculated from its known position. The total error is the difference between the measured and calculated range. The error data for each tracked satellite is formatted into a correction message and transmitted to GPS users. The correction message format follows the standard established by the Radio Technical Commission for Maritime Services, Special Committee 104 (RTCM-SC104). These differential corrections are then applied to the GPS calculations, thus removing most of the satellite signal error and improving accuracy.

Terms for understanding DGPS:

### DGPS Correction Receiver

A DGPS correction receiver decodes the signals received from a reference site. Data is formatted into a serial RTCM SC104 data stream and provided to the remote GPS receiver. There are many types of DGPS correction receivers.

### GPS Receivers

The GPS receiver measures ranges to each satellite, but

before the measurements are used to calculate position, corrections received from the DGPS receiver are applied to the measurements. The position is then calculated using the corrected range measurements providing vastly increased accuracy.

### Modulator

Depending on the transmission format, the modulator encodes the data as necessary for transmission.

### Reference Station

The reference station GPS receiver knows exactly the position of its antenna, therefore it knows what each satellite range measurement should be. It measures the ranges to each satellite using the received signals just as if it was going to calculate position. The measured ranges are subtracted from the known ranges and the result is range error. The range error values for each satellite are formatted into messages in the RTCM SC104 format and transmitted continuously.

### Transmitter

The transmitter is basically a power amplifier which is connected to an antenna system. The modulated carrier is amplified and driven to the antenna. In the United States Coast Guard system, the transmitter is 250-1000 Watts and operates in the 300Khz frequency range. The amplified signal is radiated via the antenna to remote DGPS receivers for real-time position correction.

## DESCRIPTION

(Differential GPS Stations)

Information is tabulated in eight columns as follows:

*column 1:* The number assigned to each DGPS Station by this Agency.

*column 2:* Name of the DGPS Station

*column 3:* Approximate latitude and longitude of the DGPS Transmitting Station to the nearest tenth of a minute.

*column 4:* Station ID which can be found in the IALA Master list. No two stations have the same ID. **T** denotes the Transmitting Station, **R** denotes the Reference Station.

*column 5:* Range (approximate) in nautical miles.

*column 6:* Frequency in kHz.

*column 7:* Transfer Rate which equates to the baud rate and will be published as a whole number without any additional abbreviations such as "bps" (bits per second)

*column 8:* Remarks. This column contains information about the reference stations and messages types transmitted. GPS Message Type Numbers are 1, 3, 4, 5, 6, 7, 9, 15 and 16. (*Refer to message type descriptions below*)

### GPS MESSAGE TYPE NUMBER INDICATORS

1	Differential GNSS corrections (full set of satellites)
3	Reference stations parameters
4	Datum used
5	Constellation health
6	Null frame (no information)
7	Radiobeacons Almanacs
9	Sub-set differential GNSS corrections
15	Ionospheric corrections
16	Special messages

# Section 1

## Panama and West Coast of South America Including Colombia, Ecuador and Peru

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PANAMA</b>							
4 G 3280	Isla Burica.	8° 01.1' N 82° 52.6' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	111 34	12	Fiberglass tower; 33.	
7 G 3279	Puerto Dulce.	8° 17.0' N 82° 51.8' W	<b>Fl.R.</b>			Red and white framework tower.	
8 G 3278	Puerto Armuelles, pier, head.	8° 16.1' N 82° 51.4' W	<b>Oc.R.</b> period 2s  <b>F.R.</b> (vert.)	68 21	9		<b>Aero Radiobeacon</b> 27 miles ENE.  Oc.R. on radio towers 0.45 mile and 0.5 mile NW. F.R. on radio towers 0.46 mile and 0.83 mile NNW.
9 G 3279.3	-Petroterminal de Panama, Berth 1.	8° 12.0' N 82° 53.0' W	<b>Q.R.</b>				
10 G 3279.4	--2.	8° 12.0' N 82° 53.0' W	<b>Q.R.</b>				
11 G 3279.5	--3.	8° 12.0' N 82° 53.0' W	<b>Q.W.</b>				
12 G 3266	<b>Isla Ladrones.</b>	7° 51.9' N 82° 26.5' W	<b>L.Fl.W.</b> period 9s fl. 3s, ec. 6s	213 65	16	White metal framework tower; 38.	
16 G 3268	Isla Parida.	8° 06.0' N 82° 22.3' W	<b>L.Fl.W.</b> period 8s fl. 3s, ec. 5s	125 38	13	White metal framework tower; 20.	
20 G 3264	Isla Montuosa.	7° 28.3' N 82° 14.4' W	<b>L.Fl.W.</b> period 7s fl. 2s, ec. 5s	98 30	11	White metal framework tower; 38.	
22 G 3269	Isla Ensilada.	8° 09.1' N 82° 09.7' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	203 62	14	White metal framework tower; 40.	
24 G 3267	<b>Islas Secas.</b>	7° 56.8' N 82° 00.5' W	<b>L.Fl.W.</b> period 9s fl. 2s, ec. 7s	207 63	15	White metal framework tower; 20.	
26 G 3267.5	Islas Contreras, Isla Uva.	7° 47.9' N 81° 45.9' W	<b>L.Fl.W.</b> period 12s fl. 2s, ec. 10s	92 28	12	White metal framework tower; 20.	
28 G 3262	<b>Isla Jicarita.</b>	7° 12.4' N 81° 47.9' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	335 102	20	White metal framework tower; 49.	Visible 270°-118°.
32 G 3256	Isla Canal de Afuera, S. side.	7° 41.6' N 81° 38.3' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	86 26	10	White metal framework tower; 20.	
36 G 3254	<b>Isla de Cebaco.</b>	7° 29.3' N 81° 15.5' W	<b>Fl.W.</b> period 3s fl. 0.5s, ec. 2.5s	348 106	19	White metal framework tower; 20.	
38 G 3252	<b>Punta Mariato.</b>	7° 12.5' N 80° 53.0' W	<b>Fl.W.</b> period 30s fl. 1s, ec. 29s	335 102	21	White metal framework tower; 38.	
40 G 3250	<b>Morro de Puercos.</b>	7° 14.7' N 80° 25.9' W	<b>Fl.W.</b> period 7.5s fl. 0.7s, ec. 6.8s	276 84	19	White metal framework tower; 50.	Visible 245°-072°.
42 G 3225	-Puerto Aquadulce, No. 13.	8° 12.3' N 80° 28.2' W	<b>Fl.W.</b>	3 1	2	Black beacon.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PANAMA</b>							
43 G 3225.3	--No. 14.	8° 12.3' N 80° 28.2' W	<b>Fl.R.</b>		3 1	2 Red beacon.	
44 G 3246	Frailas del Sur.	7° 20.3' N 80° 08.5' W	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s		66 20	9 White pyramidal concrete tower; 40.	
45 G 3251	-Northwards AVIATION LIGHT.	7° 40.4' N 80° 25.9' W	<b>Fl.R.</b>				Obstruction.
46 G 3240	Isla Villa.	7° 56.1' N 80° 18.1' W	<b>Fl.W.</b> period 18s fl. 1.8s, ec. 16.2s		118 36	12 White metal framework tower; 40.	
47 G 3243	Isla Iguana.	7° 37.7' N 79° 59.8' W	<b>Fl.W.</b> period 13s fl. 1s, ec. 12s		82 25	10 White metal framework tower; 40.	Visible 184°48'-090°.
GULF OF PANAMA:							
48 G 3242	-Punta Mala.	7° 28.2' N 80° 00.0' W	<b>L.Fl.W.</b> period 20s fl. 5s, ec. 15s		148 45	13 White metal framework tower; 108.	
	-RACON		<b>M(- -)</b>				(3 & 10cm).
52 G 3222	-Isla Bona.	8° 34.1' N 79° 35.3' W	<b>L.Fl.W.</b> period 13s fl. 3s, ec. 10s		174 53	22 White metal framework tower; 40.	
55 G 3218.5	-Breakwater, head.	8° 51.7' N 79° 40.2' W	<b>Fl.(2)W.</b> period 10s fl. 0.8s, ec. 1.4s fl. 0.8s, ec. 7s		28 9	7 White tower.	3 Q.W. lights mark jetty heads inside harbor.
56 G 3217	-Islote Valladolid.	8° 42.8' N 79° 36.1' W	<b>L.Fl.W.</b> period 30s fl. 5s, ec. 25s		85 26	14 White metal framework tower; 14.	
57 G 3218	-Vacamonte Range, front.	8° 52.0' N 79° 40.2' W	<b>F.W.</b>		58 18	13 Tower, white triangular daymark point up.	
58 G 3218.1	--Rear, 150 meters 321° from front.	8° 52.1' N 79° 40.3' W	<b>F.W.</b>		71 22	13 Tower, white triangular daymark point down.	
60 G 3216	-Penon Limoncillo.	8° 44.6' N 79° 34.7' W	<b>L.Fl.W.</b> period 15s fl. 2s, ec. 13s		75 23	17 White metal framework tower.	
64 G 3215	-Isla Tarapa.	8° 46.0' N 79° 32.3' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s		52 16	12 White metal framework tower; 14.	
68 G 3214	-Isla Taboguilla.	8° 48.3' N 79° 30.6' W	<b>L.Fl.W.</b> period 7s fl. 2s, ec. 5s		200 61	26 White metal framework tower; 20.	<b>Aero Radiobeacon</b> 2.8 miles SW. (on Taboga Island).
72 G 3214.5	--N. side of island.	8° 48.9' N 79° 30.6' W	<b>L.Fl.W.</b> period 20s fl. 2s, ec. 18s		59 18	14 White metal framework tower; 20.	
96 G 3198	-Flamenco Island.	8° 54.4' N 79° 31.2' W	<b>Oc.(2)W.R.</b> period 5s lt. 0.5s, ec. 1.5s lt. 2s, ec. 1s		154 47	19 White square concrete pedestal.	W. 267°-003°, R.-054°. Storm signals shown from radio tower 3.4 miles NNW.
	-RACON		<b>N(- •)</b>				(3 & 10cm).
97 G 3201	-Isla Naos, M1.	8° 55.0' N 79° 32.2' W	<b>Fl.Y.</b> period 2s			Head of mine dock.	
98 G 3201.2	--M2.	8° 54.8' N 79° 32.2' W	<b>Fl.Y.</b> period 2s fl. 0.5s, ec. 1.5s			Yellow beacon, on pile.	
100 G 3209	-Howard AVIATION LIGHT.	8° 55.9' N 79° 35.2' W	<b>Al.Fl.W.G.</b> period 5s		300 91		Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PANAMA</b>							
104 G 3200	-Entrance Range 1, front, W. bank of canal.	8° 57.4' N 79° 34.5' W	<b>F.G.</b>	65 20	14	Concrete tower; 26.	Visible on range line only. Canal marked by lights and range lights.
106 G 3200.05	--1A, Middle.	8° 57.6' N 79° 34.7' W	<b>F.G.</b>	95 29	16		F.W. 29m 6M during daylight hours.
108 G 3200.1	--Rear 2, 4.1 km. 321°45' from front.	8° 58.4' N 79° 35.3' W	<b>Oc.G.</b> period 3.5s lt. 3s, ec. 0.5s	200 61	20	Concrete tower; 98.	Oc.W. 3.5s 6M during daylight hours.
112 G 3208	-Corozal AVIATION LIGHT.	8° 58.9' N 79° 34.0' W	<b>Al.FI.W.G.</b> period 6.6s	379 116		Metal tower; 56.	F.R. on tank 90 meters NW. Occasional.
120 G 3206	-Tocumen AVIATION LIGHT.	9° 05.0' N 79° 22.2' W	<b>Al.FI.W.G.</b> period 10s	200 61		Tower; 30.	Occasional.
124 G 3194	<b>-Isla Chepillo.</b>	8° 57.1' N 79° 07.7' W	<b>FI.W.</b> period 8s fl. 1s, ec. 7s	200 61	26	White metal framework tower; 20.	
128 G 3191	-Isla Pacheca.	8° 40.1' N 79° 03.0' W	<b>FI.W.</b> period 7s fl. 0.5s, ec. 6.5s	39 12	12	White concrete structure; 20.	
131 G 3188.5	<b>-Isla Senora.</b>	8° 26.6' N 79° 06.6' W	<b>FI.W.</b> period 5s fl. 0.5s, ec. 4.5s		17		
132 G 3189	<b>-San Miguel.</b>	8° 27.2' N 78° 56.1' W	<b>FI.W.</b> period 5s fl. 0.5s, ec. 4.5s	85 26	15	Concrete tripod; 20.	Visible 086°-180°.
136 G 3188	<b>-Isla San Jose.</b>	8° 12.9' N 79° 07.7' W	<b>L.FI.W.</b> period 6s fl. 2s, ec. 4s	230 70	21	Concrete tripod; 20.	Visible 291°-148°.
140 G 3192	<b>-Isla El Pelado.</b>	8° 38.0' N 78° 42.2' W	<b>FI.W.</b> period 5s fl. 0.5s, ec. 4.5s	85 26	15	Concrete tripod; 20.	
144 G 3186	<b>-Punta Brujas.</b>	8° 35.0' N 78° 32.3' W	<b>FI.W.</b> period 4s fl. 0.5s, ec. 3.5s	151 46	17	Concrete tripod; 20.	Visible 345°-215°.
148 G 3185	-Isla Batatilla.	8° 19.5' N 78° 22.6' W	<b>FI.(2)W.R.</b> period 30s fl. 1s, ec. 3s fl. 1s, ec. 25s	33 10	7	Concrete structure; 10.	
152 G 3184	-La Palma, on W. side of Punta Virago.	8° 25.0' N 78° 10.0' W	<b>FI.W.</b> period 5s fl. 0.5s, ec. 4.5s	6 2	4	White pyramidal concrete tower; 10.	Visible 047°-222°.
156 G 3182	-Isla Patinito.	8° 15.5' N 78° 18.7' W	<b>L.FI.W.</b> period 10s fl. 2s, ec. 8s	52 16	10	Concrete tripod; 10.	Visible 338°36'-227°24'.
157 G 3187	<b>-Isla Galera.</b>	8° 11.6' N 78° 46.6' W	<b>FI.W.</b> period 15s fl. 1.5s, ec. 13.5s	200 61	17	White metal framework tower; 40.	Visible 301°-151°.
160 G 3180	-Punta Garachine.	8° 05.2' N 78° 24.4' W	<b>FI.W.</b> period 4s fl. 0.5s, ec. 3.5s	52 16	10	White metal framework tower; 20.	
168 G 3154	<b>-Punta Pina.</b>	7° 33.4' N 78° 12.2' W	<b>FI.W.</b> period 5s fl. 0.5s, ec. 4.5s	229 70	19	White metal framework tower; 40.	
170 G 3153.5	Punta Cocalito.	7° 17.7' N 77° 58.2' W	<b>FI.W.</b> period 10s fl. 1s, ec. 9s	124 38	10	White metal framework tower; 40.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>COLOMBIA</b>							
172 G 3153.2	<b>Punta Ardita.</b>	7° 09.0' N 77° 48.6' W	<b>Fl.(2)W.</b> period 25s fl. 1s, ec. 1s fl. 1s, ec. 22s	551 168	30	Red tower, white bands; 98.	
174 G 3153	<b>Cabo Marzo.</b>	6° 49.9' N 77° 41.2' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	223 68	23	Red and white tower.	
176 G 3150	<b>Punta Solano.</b>	6° 17.7' N 77° 28.9' W	<b>L.Fl.W.</b> period 12s fl. 2s, ec. 10s	138 42	17	Red tower, white bands; 30.	
180 G 3152	Mutis.	6° 14.0' N 77° 23.7' W	<b>Fl.G.</b> period 6s	43 13	11	Red and white tower; 13.	Visible 151°-157°.
181 G 3147	<b>Nuqui.</b>	5° 42.8' N 77° 16.3' W	<b>Fl.(2)W.</b> period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	207 63	19	Red metal structure; 92.	
182 G 3145	<b>Cabo Corrientes.</b>	5° 29.2' N 77° 32.8' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	614 187	31	Red and white tower; 59.	
183 G 3143	Pizzaro.	4° 57.1' N 77° 22.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	85 26	12	Conical structure, red and white bands; 59.	
184 G 3140	<b>Punta Charambira.</b>	4° 15.1' N 77° 31.3' W	<b>Fl.W.</b> period 12s fl. 1.2s, ec. 10.8s	118 36	16	White tower, red bands; 118.	
186 G 3142	<b>Isla Malpelo.</b>	4° 00.3' N 81° 36.4' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	840 256	36	White tower, red bands; 10.	
BAHIA DE BUENAVENTURA:							
188 G 3136	<b>-Isla Palmas.</b>	3° 54.1' N 77° 21.5' W	<b>Fl.(2)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 16s	144 44	17	Red and white framework tower; 125.	Visible 308°-162°.
189 G 3137	-B.	3° 54.9' N 77° 21.5' W	<b>Iso.Y.</b> period 4s	43 13	11	White structure; 49.	
190 G 3137.5	-C.	3° 55.5' N 77° 20.9' W	<b>Fl.(2)Y.</b> period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	43 13	11	White structure; 49.	
200 G 3132	<b>-Punta Soldado.</b>	3° 48.5' N 77° 10.8' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	184 56	18	Red framework tower, white bands; 164.	<b>Radar reflector.</b>
202 G 3133	<b>-Buenaventura, La Pilota.</b>	3° 53.0' N 77° 04.2' W	<b>Fl.G.</b> period 5s fl. 0.7s, ec. 4.3s	138 42	17	Silver tower; 98.	Visible 049°30'-052°30'.
202.5 G 3133.06	-Islalba No. 1.	3° 53.2' N 77° 05.6' W	<b>Q.(9)Y.</b> period 15s	13 4	8	Red and white tower; 10.	Visible 353°-359°.
202.6 G 3133.07	-Arrieral.	3° 53.7' N 77° 05.6' W	<b>Fl.Y.</b> period 4s fl. 1.5s, ec. 2.5s	26 8	10	Red and white tower; 16.	Visible 353°-359°.
			<b>Fl.Y.</b> period 4s	30 9			Visible 270°-276°.
203 G 3132.3	-El Pinal.	3° 52.8' N 77° 03.4' W	<b>Fl.(2)G.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	13 4	8	Gray tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>COLOMBIA</b>							
203.4 G 3133.04	-Muelle Turistico.	3° 53.3' N 77° 04.9' W	<b>Fl.(2)Y.</b> period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	16 5	8	Yellow beacon.	
203.5 G 3132.5	-Isla Margarita.	3° 52.6' N 77° 04.2' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	13 4	8	Green pillar.	
210 G 3129	<b>Punta Coll.</b>	3° 00.2' N 78° 10.1' W	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s	213 65	20	Red tower, white bands; 62.	
211 G 3128.5	Punta del Mono.	2° 57.9' N 78° 10.6' W	<b>Fl.(2)W.</b> period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	10 3	7	Red tower, white band; 7.	
212 G 3128	<b>Isla Gorgonilla.</b>	2° 56.5' N 78° 13.1' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	331 101	24	Red and white tower.	
213 G 3130.1	Bocana Guapi.	2° 40.4' N 77° 57.3' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	46 14	11	Red tower, white bands.	
214 G 3130.5	<b>Timbiqui.</b>	2° 47.8' N 77° 45.5' W	<b>Fl.(2)W.</b> period 25s fl. 1s, ec. 1s fl. 1s, ec. 22s	36 11	15	Red tower, white band.	
215 G 3131	Punta Coco.	2° 58.3' N 77° 42.2' W	<b>Fl.W.</b> period 30s	46 14	12	Red and white tower.	
215.5 G 3131.5	Rio Naya.	3° 14.0' N 77° 32.4' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	46 14	12	Red and white tower; 39.	
216 G 3126	<b>Pasa Caballos.</b>	2° 26.6' N 78° 33.0' W	<b>Fl.(2)W.</b> period 20s fl. 1s, ec. 3s fl. 1s, ec. 15s	125 38	18	Red tower, white band; 121.	
RADA DE TUMACO:							
220 G 3124	<b>-Tumaco Island.</b>	1° 49.4' N 78° 43.6' W	<b>Fl.W.R.</b> period 4s fl. 0.8s, ec. 3.2s	302 92	21	Red square concrete tower, white bands; 36.	R. 203°-208°, W.-203°.
224 G 3124.5	-El Viudo.	1° 51.2' N 78° 42.8' W	<b>Q.(9)W.</b> period 15s	36 11	10	ISOLATED DANGER BRB, post, topmark.	
226 G 3125.4	-Range, front.	1° 49.1' N 78° 48.6' W	<b>Fl.(2)W.</b> period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	39 12	12	White tower, red bands; 39.	
227 G 3125.5	--Rear, 182° from front.	1° 48.9' N 78° 48.6' W	<b>Fl.(2)W.</b> period 5s fl. 1s, ec. 1s fl. 1s, ec. 2s	82 25	15	White tower, red bands; 79.	
232 G 3122	<b>-Cabo Manglares.</b>	1° 38.8' N 79° 00.0' W	<b>Fl.(3)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 15.5s	112 34	17	Red round tower, white band.	
<b>ECUADOR</b>							
236 G 3098	<b>San Pedro.</b>	1° 24.1' N 78° 53.2' W	<b>Fl.W.</b> period 15s fl. 1.5s, ec. 13.5s	141 43	20	Orange tower; 135.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
244 G 3098.5	Palo Seco.	1° 21.0' N 78° 52.0' W	<b>Mo.(U)W.</b> period 15s fl. 0.8s, ec. 0.1s fl. 0.8s, ec. 0.1s fl. 1.7s, ec. 11.5s	30 9	10	Metal structure, orange triangular daymark; 20.	
248 G 3098.6	B4.	1° 18.0' N 78° 53.0' W	<b>Mo.(U)W.</b> period 15s fl. 0.8s, ec. 0.1s fl. 0.8s, ec. 0.1s fl. 1.7s, ec. 11.5s	30 9	10	Metal structure, orange triangular daymark; 20.	
252 G 3098.8	B5.	1° 18.0' N 78° 50.0' W	<b>Fl.W.</b> period 10s fl. 1.5s, ec. 8.5s	30 9	10	Red metal structure; 20.	
254 G 3097.4	Puerto Limones.	1° 15.1' N 79° 00.8' W	<b>Fl.W.</b> period 4s fl. 1.5s, ec. 2.5s	30 9	9	White metal framework tower; 30.	
256 G 3097	Punta La Barca.	1° 14.0' N 79° 02.6' W	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s	30 9	9	White metal structure; 30.	Visible 049°-230°.
260 G 3096.4	<b>Punta Verde.</b>	1° 04.9' N 79° 23.7' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	167 51	20	Black and white concrete tower; 26.	
264 G 3096	<b>Punta Coquitos.</b>	0° 59.0' N 79° 40.0' W	<b>Fl.(3)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	653 199	19	White concrete tower, red diagonal stripes; 43.	
PUERTO DE ESMERALDAS:							
268 G 3096.1	-Entrance Range, front, E1.	0° 57.4' N 79° 37.9' W	<b>Iso.W.</b> period 4s	108 33	11	Metal structure, orange daymark; 30.	Aero F.W. 0.7 mile NNE.
272 G 3096.11	--Rear, E2, 267 meters 168° from front.	0° 57.2' N 79° 37.9' W	<b>Iso.W.R.G.</b> period 4s	112 34	12	Concrete structure, orange daymark; 26.	R. 163°09'-167°39', W.- 168°21', G.-172°51'.
276 G 3096.32	-N. breakwater, head, F1.	0° 59.7' N 79° 38.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	30 9	9	Red concrete tower, white top; 20.	
280 G 3096.3	--S. side, E. end, F2.	0° 59.5' N 79° 38.8' W	<b>Fl.G.</b> period 6s	30 9	6	White concrete tower, red top; 20.	
284 G 3096.25	--Range, front, E3.	0° 59.3' N 79° 39.6' W	<b>Iso.W.</b> period 4s	266 81	11	White structure, orange daymark; 30.	
288 G 3096.26	---Rear, E4, about 930 meters 250° from front.	0° 59.1' N 79° 40.0' W	<b>Iso.W.R.G.</b> period 4s	423 129	12	White structure, orange daymark; 30.	R. 245°09'-249°39', W.- 250°21', G.-254°51'.
292 G 3096.34	-S. harbor, E. side, N. end, F3.	0° 59.4' N 79° 38.6' W	<b>Fl.R.</b> period 5s fl. 1.5s, ec. 3.5s	43 13	10	White metal tower, red band; 30.	
295 G 3096.36	-No. 3.	0° 59.8' N 79° 38.0' W	<b>Fl.G.</b> period 10s fl. 0.8s, ec. 9.2s	16 5	6	Green metal post; 10.	
298	Rio Atacames.	0° 52.7' N 79° 50.3' W	<b>Fl.G.</b> period 4s fl. 0.8s, ec. 3.2s	20 6	8	Green beacon.	
300 G 3095	<b>Punta Sua.</b>	0° 52.2' N 79° 52.9' W	<b>Fl.W.</b> period 15s fl. 1.5s, ec. 13.5s	243 74	20	White column; 26.	
304 G 3094	Punta Galera.	0° 49.5' N 80° 03.1' W	<b>Fl.W.</b> period 10s fl. 1.5s, ec. 8.5s	112 34	9	White truncated conical concrete tower, red stripes; 49.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
308 G 3093	<b>Cabo de San Francisco.</b>	0° 38.9' N 80° 05.2' W	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	151 46	20	Black and white checkered metal tower; 23.	
312 G 3091	<b>Punta Pedernales.</b>	0° 02.9' N 80° 05.3' W	<b>Fl.W.</b> period 10s fl. 1.5s, ec. 8.5s	115 35	20	White concrete tower, black bands; 23.	
316 G 3090.4	<b>Punta Ballena.</b>	0° 10.4' S 80° 19.5' W	<b>Fl.(2+1)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 5s fl. 1s, ec. 5s	128 39	20	White concrete tower, black band; 26.	
320 G 3090	<b>Cabo Pasado.</b>	0° 22.0' S 80° 29.3' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	279 85	20	White concrete tower, orange stripes; 20.	
RIO CHONE:							
324 G 3085	<b>-Punta Bellaca.</b>	0° 36.7' S 80° 27.1' W	<b>Fl.(2)W.</b> period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	131 40	20	White concrete tower, orange top; 23.	
326 G 3085.5	<b>-Bahia de Caraquez.</b>	0° 35.7' S 80° 25.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	30 9	10	Red and white concrete structure; 26.	
ARCHIPIELAGO DE COLON (GALAPAGOS ISLANDS):							
328 G 3101	<b>-Punta Lido.</b>	0° 53.4' S 89° 36.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	43 13	10	White concrete structure, red bands.	
329 G 3101.5	<b>Playa Man.</b>	0° 53.6' S 89° 36.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	43 13	7	White concrete structure, red stripes; 23.	
331 G 3102	<b>Patricio Hill.</b>	0° 54.1' S 89° 36.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	95 29	20	Red and white metal structure; 7.	
333 G 3104	<b>-Colorado Mountain.</b>	0° 54.9' S 89° 25.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	653 199	20	White concrete structure, red bands; 39.	
334 G 3103	<b>--Punta Malamoco.</b>	0° 54.2' S 89° 36.9' W	<b>Fl.(2)W.R.G.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 12	12	Red and white checkered metal tower; 20.	R.160°09'-164°39', W.-165°21', G.-169°51'.
336 G 3100	<b>--Rocas Dalrymple.</b>	0° 51.3' S 89° 37.6' W	<b>Fl.(2)W.</b> period 7s	56 17	10	White concrete block; 3.	
337.5 G 3119	<b>-Isla Genovesa Range, front.</b>	0° 19.1' N 89° 57.2' W	<b>Iso.W.</b> period 2s	56 17	16	Orange metal structure; 20.	
338 G 3119.1	<b>--Rear.</b>	0° 19.0' N 89° 57.2' W	<b>Iso.W.</b> period 2s	72 22	12	Orange metal structure; 30.	
340 G 3114	<b>-Isla Santa Maria, Puerto Velasco Ibarra.</b>	1° 16.5' S 90° 29.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	33 10	9	White and red concrete tower; 23.	
341 G 3114.5	<b>-Post Office.</b>	1° 13.9' S 90° 26.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	36 11	10	Orange fiberglass tower; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
344 G 3109	-Isla Baltra.	0° 26.5' S 90° 15.7' W	<b>Fl.(2)W.</b> period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 7.2s	98 30	10	Black and white checkered concrete tower; 23.	
348 G 3106	-Isla Santa Cruz, Bahia Academy, Islote Caamano.	0° 45.6' S 90° 16.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 12	10	White metal tower; 30.	
352 G 3106.5	-Punta Estrada.	0° 45.7' S 90° 18.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	46 14	10	Red and yellow structure; 23.	
356 G 3108	--Aeolian.	0° 26.3' S 90° 17.3' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	43 13	10	Red and black fiberglass tower; 23.	
360 G 3107	--Puerto Ayora.	0° 44.8' S 90° 18.7' W	<b>Fl.(2)Y.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	75 23	20	Red metal structure, orange daymark; 66.	Difficult to identify. Fl.Y. on water tank in line 301°.
362 G 3107.1	---Water tank.	0° 44.5' S 90° 19.3' W	<b>Fl.Y.</b> period 10s fl. 1.5s, ec. 8.5s	161 49	8	Orange concrete structure; 79.	
364 G 3113	-Isla Isabela, Puerto General Villamil.	0° 57.4' S 90° 58.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	75 23	20	Orange metal tower, white daymark; 66.	
368 G 3112	--Islet.	0° 58.0' S 90° 57.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	33 10	14	White concrete tower; 23.	
369 G 3111.5	-Santiago.	0° 14.5' S 90° 51.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	46 14	10	Yellow and black fiberglass structure; 23.	
369.2 G 3111	-Isla Bartolome.	0° 17.0' S 90° 33.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	279 85	20	Orange fiberglass tower; 7.	
369.6 G 3107.5	-Plaza.	0° 35.1' S 90° 09.8' W	<b>Fl.W.</b> period 4s fl. 1s, ec. 3s	69 21	10	Orange fiberglass tower; 23.	
370.2 G 3105	-Punta Suarez.	1° 22.2' S 89° 44.7' W	<b>Fl.(2)W.</b> period 12s fl. 1s, ec. 1s fl. 1s, ec. 9s	36 11	20	Black fiberglass tower, red band; 7.	
372 G 3116	-Isla Wenman (Wolf Island).	1° 22.7' N 91° 49.2' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	259 79	10	White concrete tower, red bands; 10.	
BAHIA DE MANTA:							
376 G 3076	-Punta Jaramijo.	0° 55.7' S 80° 39.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	115 35	20	White hexagonal concrete tower, black bands; 56.	
380 G 3073	-Breakwater, head.	0° 55.8' S 80° 43.2' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	62 19	20	White square concrete tower, red bottom; 53.	
-RACON					25		(3 & 10cm).
388 G 3071	-Punta Jome.	0° 57.5' S 80° 49.7' W	<b>Fl.(2)W.</b> period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	217 66	10	White round concrete tower, black diagonal stripes; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
392 G 3068	<b>-Cabo San Lorenzo.</b>	1° 03.6' S 80° 54.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	423 129	20	White truncated conical concrete tower, red stripes; 33.	
396 G 3064	<b>Isla La Plata, NW. end</b> (summit) of island.	1° 15.7' S 81° 04.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	620 189	20	White metal framework tower; 92.	
404 G 3060	<b>Isla Salango.</b>	1° 35.6' S 80° 52.0' W	<b>Fl.W.</b> period 15s fl. 1.5s, ec. 13.5s	463 141	20	White concrete tower; 23.	
408 G 3058	Islote El Pelado.	1° 56.1' S 80° 47.4' W	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	89 27	9	White concrete structure, orange daymark; 26.	
412 G 3050	<b>Punta Santa Elena.</b>	2° 11.2' S 80° 59.8' W	<b>Fl.(5)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	308 94	20	White concrete structure; 39.	Visible 281°-258°.
416 G 3051	-Chocolatera (La Puntilla).	2° 11.4' S 81° 00.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	39 12	10	Black and white checkered concrete tower; 20.	
420 G 3052	-Bajo Ballena.	2° 11.8' S 80° 57.5' W	<b>Fl.(2)W.</b> period 8s fl. 0.4s, ec. 1s fl. 0.4s, ec. 6.2s	7 2	7	ISOLATED DANGER BRB, structure, topmark; 10.	
424 G 3052.3	<b>-Punta San Lorenzo, Petropolis.</b>	2° 12.1' S 80° 57.3' W	<b>Fl.(3)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	200 61	20	Orange fiberglass structure; 7.	
425.3 G 3052.5	-Duque de Alba.	2° 11.6' S 80° 58.7' W	<b>Fl.(2)W.</b> period 12s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	16 5	5	White concrete structure; 13.	
425.6 G 3053.4	-Salinas Yacht Club, head.	2° 12.0' S 80° 58.4' W	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s	23 7	4	White concrete structure; 10.	
426 G 3053	-Girasol.	2° 12.4' S 80° 58.1' W	<b>Fl.(3)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	128 39	12	Orange fiberglass structure; 7.	
PUNTA SANTA ELENA:							
428 G 3055	<b>-Punta Centinela.</b>	2° 09.4' S 80° 48.6' W	<b>Fl.(2)W.</b> period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	256 78	20	Fiberglass structure; 7.	
429 G 3053.8	-Rompeolas.	2° 13.0' S 80° 55.3' W	<b>Fl.W.</b> period 4s fl. 1.5s, ec. 2.5s	33 10	8	White concrete structure, red bands; 23.	
430 G 3054	-Beacon No. 1.	2° 13.1' S 80° 55.3' W	<b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s	13 4	4	White concrete structure; 10.	
431 G 3054.2	-Beacon No. 2.	2° 13.1' S 80° 55.3' W	<b>Fl.R.</b> period 4s fl. 0.4s, ec. 3.6s	13 4	4	White concrete structure; 10.	
432 G 3053.9	-Libertad.	2° 13.0' S 80° 54.4' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	36 11	10	Metal structure.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
433 G 3054.5	-Ballenita.	2° 12.4' S 80° 52.9' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	26 8	9	White concrete tower, red bands.	
436 G 3049.4	<b>Punta Ancon, Anconcito.</b>	2° 19.8' S 80° 53.7' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	164 50	20	White concrete tower, black bands; 26.	
438 G 3049.2	<b>Real.</b>	2° 23.6' S 80° 43.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	95 29	20	White concrete tower, orange bands; 39.	
442 G 3048.8	<b>Punta de Piedra.</b>	2° 33.6' S 80° 30.6' W	<b>Fl.(3)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	56 17	20	White and red concrete structure; 30.	
GOLFO DE GUAYAQUIL:							
444 G 3037	<b>-Punta Chapoya.</b>	2° 38.4' S 80° 26.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1.5s, ec. 4.5s	79 24	20	White metal tower; 46.	
450 G 3040.8	-DATA 1 Approach Range, front.	2° 43.3' S 80° 18.1' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	52 16	14	White metal structure, orange daymark; 33.	
450.1 G 3040.81	-DATA 2, rear, 0.65 mile 079°15' from front.	2° 43.2' S 80° 17.5' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	115 35	14	White metal structure, orange daymark; 76.	Synchronized with front.
452 G 3038	-Cauchiche Range, front, A1.	2° 47.6' S 80° 14.6' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	33 10	14	White concrete and metal structure, orange daymark; 36.	Visible 129°-133°.
456 G 3038.1	--Rear, A2, 1.1 miles, 131° from front.	2° 48.3' S 80° 13.8' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	92 28	14	White metal structure, orange daymark; 49.	Visible 129°-133°. Synchronized with front.
460 G 3040.6	<b>-Farallones.</b>	2° 43.9' S 80° 13.4' W	<b>Fl.W.</b> period 4s fl. 0.4s, ec. 3.6s	66 20	20	White metal structure, orange daymark; 33.	
462 G 3041	-B Range, front, B1.	2° 38.2' S 80° 13.7' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	33 10	14	White metal structure, orange daymark; 33.	
463 G 3041.1	--Rear, B2, 0.7 mile, 003°48' from front.	2° 37.4' S 80° 13.6' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	108 33	14	White metal structure, orange daymark; 85.	Synchronized with front.
464 G 3042	-Seiba Rock.	2° 38.3' S 80° 13.2' W	<b>Fl.W.</b> period 5s fl. 0.8s, ec. 4.2s	13 4	9	White metal structure, orange band; 10.	
468 G 3043	-C Range, front, C1.	2° 35.5' S 80° 08.1' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	33 10	14	White concrete and metal structure, orange daymark; 33.	
472 G 3043.1	--Rear, C2, 0.7 mile, 067°30' from front.	2° 35.2' S 80° 07.4' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	75 23	14	White concrete and metal structure, orange daymark; 76.	Synchronized with front.
474 G 3046	-E Range, front, E1.	2° 24.6' S 80° 01.2' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	23 7	14	White metal and concrete framework tower, orange daymark; 23.	
474.5 G 3046.1	--Rear, E2, 1.55 miles, 037° from front.	2° 23.4' S 80° 00.2' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	79 24	14	White metal and concrete tower, orange daymark; 82.	Synchronized with front.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
475 G 3047	-F Range, front, F1.	2° 21.1' S 80° 00.6' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	20 6	14	White metal and concrete structure, orange daymark; 23.	
475.5 G 3047.1	--Rear, F2, 0.8 mile, 017°11' from front.	2° 20.3' S 80° 00.4' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	62 19	14	White metal and concrete structure, orange daymark; 59.	Synchronized with front.
476.5 G 3047.6	-No. 76.	2° 18.8' S 79° 55.4' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	20 6	9	White concrete and metal structure; 10.	
477 G 3047.8	-No. 81.	2° 17.8' S 79° 55.0' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	9	White metal tower; 13.	
477.3 G 3047.9	-81A.	2° 17.1' S 79° 55.0' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	9	Green metal structure; 13.	
477.7 G 3048.1	-No. 85.	2° 17.1' S 79° 54.4' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	9	White metal and concrete structure; 13.	
477.9 G 3048.2	-IT.	2° 16.7' S 79° 55.0' W	<b>Fl.(2+1)G.</b> period 10s			White concrete and metal structure; 13.	
RIO GUAYAS:							
480 G 3035	-Punta de Piedra.	2° 25.9' S 79° 51.3' W	<b>Fl.W.</b> period 4s fl. 1s, ec. 3s	33 10	20	White metal tower; 33.	
GOLFO DE GUAYAQUIL:							
488 G 3033	-Isla Verde, E. side.	2° 38.8' S 79° 56.2' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	36 11	20	White square metal and concrete tower; 30.	
492 G 3032	-Punta Mandinga.	2° 44.5' S 79° 54.1' W	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	171 52	20	White square metal tower; 49.	
496 G 3031	-Punta Espanola, E. side of Isla de Puna.	2° 47.5' S 79° 55.9' W	<b>Fl.(2)W.</b> period 12s fl. 1.5s, ec. 2s fl. 1.5s, ec. 7s	69 21	20	White metal framework tower; 49.	
500 G 3026	-Punta Arenas, SE. end of Isla de Puna.	3° 01.3' S 80° 07.4' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	59 18	20	White metal and concrete tower; 59.	
508 G 2996	Isla de Santa Clara.	3° 10.4' S 80° 26.3' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	266 81	20	White concrete structure; 20.	
512 G 3028	-Punta Jambeli, Rio Santa Rosa, W. side of entrance.	3° 12.6' S 80° 01.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	59 18	20	White conical concrete tower, red spiral bands; 53.	
517 G 3028.6	--Bajo Salinas	3° 14.4' S 80° 00.1' W	<b>Iso.W.</b> period 4s	43 13	13	White metal and concrete structure, orange daymark; 30.	
520 G 3029	-Puerto Bolivar.	3° 16.1' S 80° 00.2' W	<b>Dir.Iso.W.R.G.</b> period 10s	125 38	12	Church tower; 105.	G. 165°09'-169°39', W.-170°21', R.-174°51'.
521 G 3029.4	-Mogote Sur.	3° 17.3' S 80° 01.0' W	<b>Fl.(3)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	13 4	8	White concrete pile, orange daymark; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ECUADOR</b>							
522 G 2998	Isla San Gregorio, Payana.	3° 22.8' S 80° 18.2' W	Fl.(2)W. period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	36 11	20	White framework tower; 30.	
<b>PERU</b>							
528 G 2200	Punta Capones.	3° 24.7' S 80° 18.6' W	Fl.(3)W. period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	66 20	9	Red round fiberglass tower, truncated concrete base, white bands; 49.	
536 G 2180	Contraalmirante Villar.	3° 40.9' S 80° 41.1' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	210 64	19	White four-sided concrete tower, pyramidal concrete base, black bands; 62.	
540 G 2158	Mancora.	4° 06.5' S 81° 03.4' W	Fl.(2+1)W. period 20s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 6s fl. 0.5s, ec. 10s	187 57	18	Red four-sided tower, pyramidal concrete base, white bands; 46.	
541 G 2159	-Mole, head.	4° 06.6' S 81° 04.0' W	Fl.R.		4		
TALARA:							
542 G 2156	Los Organos, mole, head.	4° 10.6' S 81° 08.1' W	Fl.R.		4		
544 G 2153	Cabo Blanco.	4° 15.1' S 81° 14.3' W	Fl.(2)W. period 10s fl. 0.5s, ec. 3s fl. 0.5s, ec. 6s	128 39	16	Black four-sided tower, pyramidal concrete base, white bands; 46.	
568 G 2140	-Punta Talara.	4° 34.5' S 81° 17.1' W	Fl.(2)W. period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	201 61	19	White round fiberglass tower, truncated concrete base, black bands; 26.	2 F.R. on radio masts 1.4 miles S.
570 G 2140.5	-Dolphin.	4° 34.4' S 81° 16.9' W	F.R.		3		
572 G 2141	-Range, front.	4° 34.5' S 81° 16.6' W	F.G.	69 21	2	Tubular tripod, upper part gray, lower part green, gray daymark, red cross.	
576 G 2141.1	--Rear, 540 meters 143° from front.	4° 34.7' S 81° 16.5' W	F.G.	95 29	2	Tubular tripod, upper part gray, lower part green, aluminum diamond daymark, red band.	
577 G 2139	-Range, front.	4° 35.6' S 81° 17.3' W	F.G.	82 25	2	Metal post, blue diamond daymark, red band.	
578 G 2139.1	--Rear, 718 meters 115°40' from front.	4° 35.7' S 81° 16.9' W	F.G.	164 50	2	Metal post, blue diamond daymark, red band.	
580 G 2138	Punta Parinas.	4° 40.2' S 81° 19.6' W	L.Fl.W. period 10s fl. 2s, ec. 8s	240 73	15	White truncated conical concrete tower, red band; 59.	
PAITA:							
581 G 2132.7	-Tierra Colorada, Corma.	5° 04.6' S 81° 09.0' W	F.R.				
582 G 2132.75	-Sipesa.	5° 04.7' S 81° 08.8' W	F.R.G.		3		
583 G 2132.76	-Santa Monica.	5° 04.6' S 81° 08.7' W	F.R.				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PERU</b>							
584 G 2132.8	<b>-Paita.</b>	5° 04.4' S 81° 07.6' W	<b>Fl.(2)W.</b> period 20s fl. 0.5s, ec. 3.5s fl. 0.5s, ec. 15.5s	236 72	18	Black four-sided tower, pyramidal base, orange band; 60.	
	<b>-RACON</b>		<b>M(- -)</b> period 35s fl. 15s, ec. 20s	331 101			(3 & 10cm).
588 G 2133.2	<b>-Production Marina mole, head.</b>	5° 04.3' S 81° 07.5' W	<b>F.R.</b>	39 12	1	Post; 20.	
592 G 2133.3	<b>-Fishing complex pier, head.</b>	5° 04.4' S 81° 07.3' W	<b>F.R.</b>		1	Post.	
595 G 2133.35	<b>Port Authority pier, head.</b>	5° 04.9' S 81° 06.6' W	<b>Fl.R.</b>		4		
596 G 2133.4	<b>-Range, front, Port Authority pier.</b>	5° 05.0' S 81° 06.4' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	39 12	3	Metal tower; 13.	
600 G 2133.41	<b>--Rear, 240 meters 150° from front.</b>	5° 05.1' S 81° 06.4' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	4	Tower; 13.	
602 G 2133.7	<b>-Range, front.</b>	5° 04.4' S 81° 07.3' W	<b>F.G.</b>	69 21	2	Tower.	
602.5 G 2133.71	<b>--Rear, 62 meters 226° from front.</b>	5° 04.4' S 81° 07.3' W	<b>F.G.</b>	118 36	2	Tower.	
604 G 2132	<b>Isla Foca.</b>	5° 12.6' S 81° 12.3' W	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 13s	197 60	15	White truncated metal tower, black bands; 15.	
608 G 2127	<b>-Bayovar.</b>	5° 47.9' S 81° 04.0' W	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	604 184	19	White four-sided tower, pyramidal concrete base, black bands; 59.	2 F.R. (vert.) on radio mast 400 meters S.
	<b>-RACON</b>		<b>B(- • • •)</b> period 60s fl. 15s, ec. 45s	607 185			(3 & 10cm).
616 G 2127.4	<b>-Range, front.</b>	5° 48.0' S 81° 03.2' W	<b>Fl.G.</b>	128 39	4	Orange metal tower; 66.	
620 G 2127.41	<b>--Rear, about 100 meters 235° from front.</b>	5° 48.1' S 81° 03.3' W	<b>Fl.G.</b>	157 48	4	Orange metal tower; 20.	
<b>PUERTO CHICAMA:</b>							
622 G 2127.7	<b>-Range, front.</b>	5° 48.0' S 81° 03.2' W	<b>Fl.G.</b>				
623 G 2127.9	<b>--Rear, about 105 meters 235° from front.</b>	5° 48.1' S 81° 03.3' W	<b>Fl.G.</b>				
628 G 2125	<b>Punta La Negra.</b>	6° 03.9' S 81° 06.3' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	123 38	10	White round fiberglass tower, truncated concrete base, black bands; 39.	
632 G 2124	<b>Isla Lobos de Tierra.</b>	6° 27.7' S 80° 51.3' W	<b>Fl.(4)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	210 64	9	Red metal framework tower, white band; 59.	
636 G 2112	<b>Islas Lobos De Afuera.</b>	6° 55.8' S 80° 42.4' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	282 86	27	White four-sided tower, pyramidal concrete base, black bands; 59.	
640 G 2119	<b>San Jose.</b>	6° 46.2' S 79° 58.2' W	<b>Fl.(2)W.</b> period 4s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2s	46 14	10	Red triangular metal tower, white band; 43.	

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<b>PERU</b>							
649 G 2121	Santa Rosa.	6° 53.6' S 79° 54.8' W	<b>Fl.(3)W.</b> period 15s fl. 0.8s, ec. 0.7s fl. 0.8s, ec. 0.7s fl. 0.8s, ec. 12.2s	62 19	5	Red triangular metal tower, square conical base; 44.	
656 G 2117	<b>Eten.</b>	6° 57.4' S 79° 51.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	52 16	16	White triangular metal framework tower, black bands; 59.	
664 G 2106	<b>Punta Pacasmayo.</b>	7° 25.0' S 79° 35.3' W	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 9.5s	79 24	15	Black and white four-sided concrete tower; 36.	
676 G 2096	Isla de Macabi.	7° 47.5' S 79° 30.0' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	151 46	10	Yellow round fiberglass pillar; 23.	
SALAVERRY:							
680 G 2089	<b>-Morro Carretas.</b>	8° 13.6' S 78° 58.7' W	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	413 126	21	Orange four-sided tower, pyramidal concrete base, black bands; 56.	<b>Aero Radiobeacon</b> 11.2 miles NW.
	-RACON		<b>T(-)</b> period 35s fl. 15s, ec. 20s	476 145	10		(3 & 10cm).
681 G 2091.3	-Artesanal mole, head.	8° 13.4' S 78° 58.9' W	<b>Fl.R.</b>		3		
682 G 2090.2	-Range, front.	8° 13.5' S 78° 58.8' W	<b>F.G.</b>	52 16	5	Tower, red rectangular daymark; 39.	
682.5 G 2090.21	--Rear, 181 meters 102.3° from front.	8° 13.5' S 78° 58.7' W	<b>F.G.</b>	67 20	5	Tower, red rectangular daymark; 52.	
684 G 2090	-W. breakwater, head.	8° 13.5' S 78° 59.5' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	49 15	3	Red post; 13.	
687 G 2091	--Pier No. 1, head.	8° 13.6' S 78° 59.1' W	<b>Q.R.</b>	32 10	2	Gray post; 13.	
688 G 2092	--Pier No. 2, head.	8° 13.6' S 78° 59.0' W	<b>F.R.</b>	32 10	2	Gray post; 13.	
692 G 2088	Islas de Guanape, summit of S. island.	8° 33.9' S 78° 58.1' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	456 139	10	Black round metal tower, round concrete base, white band; 28.	
BAHIA DE CHIMBOTE:							
696 G 2086	-Punta Chimbote.	9° 04.8' S 78° 37.4' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s		4	Green metal structure; 13.	
697 G 2086.1	-Paso del Norte Range, front.	9° 04.7' S 78° 36.7' W	<b>Fl.G.</b> period 1.3s fl. 0.5s, ec. 0.8s	31 10	5	Iron tower, concrete base, red rectangular daymark; 26.	
697.5 G 2086.11	--Rear, 400 meters 076°30' from front.	9° 04.7' S 78° 36.5' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	46 14	5	Iron tower, concrete base, red rectangular daymark; 39.	
698 G 2086.4	-Mineral dock No. 3.	9° 04.7' S 78° 36.7' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	2	Red round metal post; 11.	

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<b>PERU</b>							
699 G 2086.6	--SE. corner.	9° 04.8' S 78° 36.6' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	4	Metal tower; 13.	
700 G 2085	--Islote Roca Blanca.	9° 05.0' S 78° 37.4' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	85 26	4	Red metal framework tower; 13.	
701 G 2086.5	--Pier No. 3, head.	9° 04.8' S 78° 36.7' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	13 4	2	Round metal post; 11.	
702 G 2086.2	--Pier No. 1, head.	9° 04.8' S 78° 37.0' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	26 8	2	Red round metal post; 20.	
703 G 2086.3	--Pier No. 2, head.	9° 04.6' S 78° 36.8' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	2	Black round metal post; 13.	
705 G 2087.95	-Jetty.	9° 07.5' S 78° 34.0' W	<b>Fl.R.</b> period 3s		4		
708 G 2084.4	N. Ferrol Island.	9° 08.4' S 78° 37.2' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	299 91	10	Red round fiberglass tower, truncated concrete base, white band; 23.	
	RACON		<b>Z(- - • •)</b> period 60s fl. 15s, ec. 45s	82 25			(3 & 10cm).
712 G 2080	Casma Bay.	9° 28.0' S 78° 23.5' W	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	794 242	9	Yellow four-sided fiberglass tower, pyramidal concrete base; 39.	
716 G 2076	<b>Punta Cabeza Lagarto.</b>	10° 06.4' S 78° 11.0' W	<b>Fl.(2)W.</b> period 30s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 24.5s	243 74	16	Red four-sided concrete tower, white bands; 21.	
724 G 2075	Bahia Supe, mole, head.	10° 47.9' S 77° 44.9' W	<b>F.R.</b>	38 12	3	Tower; 20.	
728 G 2074	<b>Punta Thomas.</b>	10° 48.3' S 77° 45.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	200 61	17	Black round tower, concrete base, yellow band; 59.	F.R. on radio mast 1.43 miles N.
732 G 2071	<b>Punta Huacho.</b>	11° 07.5' S 77° 37.1' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	266 81	19	White round concrete tower; 33.	
736 G 2069	Bahia Salinas.	11° 13.1' S 77° 38.2' W	<b>Fl.W.</b> period 4s fl. 1s, ec. 3s	269 82	9	White round fiberglass tower, square concrete base, orange bands; 52.	<b>Aero Radiobeacon</b> 5.3 miles SSE.
740 G 2068	<b>Isla Mazorca.</b>	11° 23.0' S 77° 44.7' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	417 127	15	White round metal tower, round concrete base, black band; 25.	<b>Radiobeacon.</b>
744 G 2067	Isla Pelado.	11° 26.5' S 77° 50.6' W	<b>Fl.(4)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	203 62	9	Gray round tower; 8.	
752 G 2065	Punta Chancay.	11° 35.2' S 77° 16.9' W	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	220 67	9	Yellow round concrete tower; 37.	<b>AIS</b> (MMSI No 997601005).
754 G 2063.6	<b>Ancon.</b>	11° 46.4' S 77° 11.6' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	564 172	17	Orange round concrete tower, black band; 59.	<b>AIS</b> (MMSI No 997601001).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PERU</b>							
756 G 2063	Isla Grande, Grupo de Pescadores.	11° 46.5' S 77° 15.9' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	135 41	9	White four-sided concrete tower, red base; 26.	
764 G 2063.4	Isla Huaquillo.	11° 46.7' S 77° 11.8' W	<b>Fl.(4)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	125 38	9	White round pyramidal tower, blue diagonal stripes; 16.	
768 G 2062	Hormigas de Afuera.	11° 57.5' S 77° 44.0' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	105 32	10	Black round pyramidal tower, concrete base, white band; 49.	<b>AIS</b> (MMSI No 997606004).
770 G 2061	Pier, head.	12° 00.0' S 77° 08.2' W	<b>F.R.</b>				
CALLAO:							
774	-Sea buoy.	12° 02.2' S 77° 13.6' W	<b>Fl.(4)W.</b> period 10s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 3.2s	26 8	9	White round metal buoy, red stripes.	<b>AIS</b> (MMSI No 997606001).
	-RACON		<b>X(- • • -)</b> period 30s fl. 18s, ec. 12s	26 8	10		(3 & 10cm).
780 G 2053	-N. breakwater, head.	12° 02.8' S 77° 09.3' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	26 8	4	Red metal tower; 7.	<b>AIS</b> (MMSI No 997606006).
784 G 2053.4	-S. breakwater, head.	12° 03.0' S 77° 09.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	26 8	4	Red metal tower; 7.	<b>AIS</b> (MMSI No 997606007).
786 G 2054	-Range, front.	12° 03.0' S 77° 08.6' W	<b>Q.G.</b>		5	Building, red rectangular daymark; 108.	Visible 096°-102°.
786.5 G 2054.1	--Rear, 245 meters 099° from front.	12° 03.0' S 77° 08.5' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s		5	Building, red rectangular daymark; 131.	Visible 096°-102°.
788 G 2052	-AVIATION LIGHT.	12° 01.4' S 77° 06.5' W	<b>Al.W.G.</b> period 12s	289 88	24	Control tower.	
790 G 2058.4	-Pier, head.	12° 03.8' S 77° 09.4' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s		4	Black triangular metal framework tower, white bands.	
792 G 2059	-La Punta.	12° 04.3' S 77° 10.0' W	<b>Fl.(2+1)W.</b> period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 6s fl. 0.5s, ec. 9.5s	138 42	20	Gray round structure.	<b>AIS</b> (MMSI No 997606002).
796 G 2058	-Clock tower, Muelle de Guerra.	12° 03.5' S 77° 09.0' W	<b>Fl.(2)G.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	49 15	4	White round metal tower, blue bands; 39.	<b>AIS</b> (MMSI No 997601006).
805.2 G 2055	-Petroleum wharf.	12° 02.7' S 77° 09.1' W	<b>F.R.</b>	20 6	3	Black and red tower; 10.	
805.4 G 2056.3	-Pier 4, head.	12° 02.8' S 77° 08.7' W	<b>F.R.</b>		3		
805.5 G 2055.94	-Pier 3, head.	12° 02.9' S 77° 08.9' W	<b>F.R.</b>		3		
805.6 G 2056.5	-Pier 2, head.	12° 03.0' S 77° 08.8' W	<b>F.R.</b>		3		
805.7 G 2056.6	-Pier 1, head.	12° 03.1' S 77° 08.8' W	<b>F.R.</b>		3		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PERU</b>							
806 G 2055.7	-Muelle Marginal.	12° 02.4' S 77° 08.8' W	<b>Fl.R.</b> period 10s	39 12	8	Metal triangular tower.	
812 G 2049	<b>-Gran Alminante Grau.</b>	12° 03.8' S 77° 14.7' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	1014 309	20	Yellow round pyramidal tower, square base, black bands; 51.	<b>AIS</b> (MMSI No 997601002).
816 G 2050	-San Lorenzo Naval Base, pier, head.	12° 05.0' S 77° 12.5' W	<b>F.R.</b>	42 13	5	White metal tower; 30.	
836 G 2046	<b>La Marina.</b>	12° 07.4' S 77° 02.4' W	<b>Fl.(2+1)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 6s fl. 0.5s, ec. 6s	354 108	18	White round pyramidal metal tower, blue bands; 72.	<b>AIS</b> (MMSI No 997606003).
837 G 2048	Isla Palominos.	12° 07.8' S 77° 14.0' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	174 53	9	Orange round concrete tower, black band; 39.	<b>AIS</b> (MMSI No 997606005).
840 G 2045	<b>-Las Palmas AVIATION LIGHT.</b>	12° 09.7' S 77° 00.1' W	<b>Fl.W.G.</b> period 2s	203 62	15		F.R. 6.5 miles NW.
844 G 2043	<b>Isla Chilca.</b>	12° 28.5' S 76° 47.9' W	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 12s	361 110	19	Blue round fiberglass tower, truncated concrete base, white bands; 33.	<b>AIS</b> (MMSI No 997601004).
845 G 2042	Isla Asia.	12° 47.7' S 76° 37.4' W	<b>Fl.W.</b> period 8s fl. 1s, ec. 7s	427 130	9	White round fiberglass tower, brown truncated concrete base; 20.	
846 G 2041	Cerro Azul.	13° 01.8' S 76° 29.4' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	420 128	9	White round fiberglass tower, truncated concrete base, black bands; 36.	
PISCO:							
856 G 2033.5	<b>-Isla Chincha.</b>	13° 38.5' S 76° 24.1' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	305 93	17	Orange round fiberglass tower, square pyramidal concrete base, black bands; 39.	
860 G 2040.55	-AVIATION LIGHT.	13° 44.4' S 76° 12.8' W	<b>Al.W.G.</b>	66 20	5	Red and white tower; 46.	4 F.R. lights nearby.
864 G 2034	-Isla Blanca.	13° 44.2' S 76° 18.8' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	66 20	5	Metal framework tower, blue and white square concrete base; 30.	
	-RACON		<b>D(- • •)</b> period 35s fl. 15s, ec. 20s				(3 & 10cm).
868 G 2033.8	-Punta Colorada.	13° 47.5' S 76° 19.1' W	<b>Fl.R.</b> period 10s fl. 1s, ec. 9s	118 36	9	Gray tower.	
872 G 2035.6	-Puerto San Martin, Pta. Pejerrey, North Beacon.	13° 47.8' S 76° 17.3' W	<b>Q.W.</b>	13 4	4	Black tower.	
876 G 2039	--S. beacon.	13° 49.0' S 76° 17.3' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	13 4	5	Black tower.	
880 G 2038	--Muelle Marginal.	13° 48.0' S 76° 17.4' W	<b>F.R.</b>	20 6	4	Black post; 10.	
884 G 2038.2	---S. end.	13° 48.4' S 76° 17.5' W	<b>F.R.</b>	20 6	4	Black post; 10.	
885 G 2036	--Puerto San Martin Range, front.	13° 48.1' S 76° 17.6' W	<b>Fl.G.</b> period 1.3s fl. 0.5s, ec. 0.8s		5	Tower, red rectangular daymark; 75.	
886 G 2036.1	---Rear, 170 meters 243° from front.	13° 48.2' S 76° 17.7' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s		5	Tower, red rectangular daymark; 95.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PERU</b>							
888 G 2033	Isla San Gallan.	13° 50.7' S 76° 27.9' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	1263 <b>385</b>	10	Orange round fiberglass tower, truncated concrete base, white stripes; 16.	
892 G 2032	Cerro Carretas.	14° 11.4' S 76° 16.2' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	676 <b>206</b>	10	White round fiberglass tower, truncated concrete base, black bands; 16.	
896 G 2030	<b>Infiernillos.</b>	14° 40.1' S 75° 53.6' W	<b>Fl.W.</b> period 7s fl. 0.5s, ec. 6.5s	131 <b>40</b>	15	White four-sided concrete tower, black stripes; 27.	S. of rocks on mainland.
900 G 2029.4	<b>San Nicolas.</b>	15° 15.4' S 75° 15.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	152 <b>46</b>	26	White round pyramidal concrete tower, black bands; 59.	
	<b>RACON</b>		<b>C(- • - •)</b> period 60s fl. 15s, ec. 45s	153 <b>46</b>			(3 & 10cm).
904 G 2029.5	-Breakwater, head.	15° 14.9' S 75° 14.7' W	<b>F.R.</b>	29 <b>9</b>	3	Round tower, 10.	
908 G 2029.8	-Pier, head.	15° 15.1' S 75° 14.5' W	<b>F.G.</b>	25 <b>8</b>	3	Tower; 26.	
912 G 2029.7	-Dolphin.	15° 15.1' S 75° 14.5' W	<b>F.R.</b>	20 <b>6</b>	2	Post; 7.	9 F.R. lights nearby.
914 G 2029.9	-Bentonita Plant.	15° 15.6' S 75° 14.5' W	<b>F.G.</b>		3		
<b>SAN JUAN:</b>							
915 G 2028.5	-Muelle Acari, head.	15° 20.8' S 75° 09.5' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	59 <b>18</b>	2	White triangular metal tower, red bands; 23.	
916 G 2028	<b>-Punta San Juan.</b>	15° 21.7' S 75° 10.8' W	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 4s fl. 0.5s, ec. 10s	312 <b>95</b>	17	White concrete tower; 40.	
920 G 2025	Punta Lomas.	15° 34.1' S 74° 51.1' W	<b>Fl.W.</b> period 7s fl. 1s, ec. 6s	89 <b>27</b>	10	Black round fiberglass tower, truncated concrete base, red bands; 28.	
924 G 2022	Chala.	15° 52.5' S 74° 14.2' W	<b>Fl.(3)W.</b> period 20s fl. 0.5s, ec. 3s fl. 0.5s, ec. 3s fl. 0.5s, ec. 12.5s	489 <b>149</b>	9	Black square concrete tower, white band; 23.	
<b>MATARANI:</b>							
932 G 2018	<b>-Punta Atico.</b>	16° 14.3' S 73° 42.1' W	<b>Fl.W.</b> period 15s fl. 0.5s, ec. 14.5s	331 <b>101</b>	17	White round pyramidal concrete tower, red bands; 59.	
936 G 2016	<b>-Caleta Planchada.</b>	16° 24.5' S 73° 13.6' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	315 <b>96</b>	16	White round pyramidal concrete tower, black bands; 33.	
944 G 2014	<b>-Quilca.</b>	16° 42.7' S 72° 26.2' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	315 <b>96</b>	15	White four-sided concrete tower, black pyramidal concrete base; 20.	
948 G 2011	-Islote Pan de Azucar.	16° 59.5' S 72° 06.6' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	33 <b>10</b>	7	Gray concrete hut; 8.	
951 G 2013	-Range, front.	16° 59.7' S 72° 06.2' W	<b>Fl.G.</b> period 1.3s fl. 0.5s, ec. 0.8s		5	Tower; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>PERU</b>							
955 G 2013.1	--Rear, about 60 meters 103° from front.	16° 59.7' S 72° 06.2' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s		5	Tower; 39.	
QUILCA:							
968 G 2011.4	-W. breakwater, head.	16° 59.7' S 72° 06.5' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	4	Red tower; 19.	
972 G 2011.6	-E. breakwater, head.	16° 59.7' S 72° 06.4' W	<b>Q.G.</b>	33 10	4	Red tower; 19.	
976 G 2010	<b>Punta Islay.</b>	17° 00.9' S 72° 06.7' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	213 65	19	Red round fiberglass tower, black square concrete base; 43.	
	RACON		<b>G(— — •)</b> period 60s fl. 15s, ec. 45s	215 66			(3 & 10cm).
ILO:							
978 G 2006	-Rampa Enapu Range, front.	17° 38.7' S 71° 20.8' W	<b>Fl.G.</b> period 1.3s fl. 0.5s, ec. 0.8s	49 15	5	Metal tower, red rectangular daymark.	
979 G 2006.1	--Rear, 66 meters 076° from front.	17° 38.7' S 71° 20.8' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	56 17	5	Metal tower, red rectangular daymark.	
980 G 2003.4	-N. breakwater, head.	17° 38.7' S 71° 21.1' W	<b>F.R.</b>	26 8	3	Post; 11.	
984 G 2004	-Range, front, mole, head.	17° 38.9' S 71° 21.2' W	<b>2 F.R.</b> (horiz.)	108 33	3	White tower; 7.	
988 G 2004.1	--Rear, 900 meters 109° from front.	17° 39.1' S 71° 20.7' W	<b>Iso.G.</b> period 2s	115 35	3	Post; 10.	
992 G 2002	<b>Punta Coles.</b>	17° 42.4' S 71° 22.9' W	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 11.5s	118 36	19	Black round pyramidal concrete tower, white bands; 49.	
996 G 2001	Punta Sama.	17° 59.9' S 70° 52.6' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	122 37	10	Black round fiberglass tower, truncated concrete base, white bands; 39.	
998 G 2000.4	<b>Boca del Rio.</b>	18° 09.7' S 70° 40.1' W	<b>Fl.W.</b> period 15s fl. 0.7s, ec. 14.3s	167 51	19	White four-sided concrete tower, square pyramidal concrete base, red band; 44.	
1000 G 2000	Los Palos.	18° 17.1' S 70° 25.6' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	100 30	10	Black round fiberglass tower, white band, white truncated concrete base; 30.	
1004 G 1996	La Concordia.	18° 21.0' S 70° 22.6' W	<b>Fl.(2)G.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	82 25	8	Blue concrete tower, white bands; 69.	Visible 086°30'-093°30'.

# Section 2

## Chile

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
ARICA:							
1008 G 1987	-Concordia.	18° 21.0' S 70° 21.6' W	<b>Fl.G.</b> period 5s fl. 0.3s, ec. 4.7s	138 42	14	Truncated pyramidal iron tower, square base, red and white bands; 64.	Visible 350°-240°. 4 F.R. obstruction lights on top of tower. <b>AIS</b> (MMSI No 997251002). <b>Radar reflector.</b> <b>Aero Radiobeacon</b> 2.2 miles ESE.
1010 G 1986.4	-Breakwater.	18° 28.8' S 70° 19.8' W	<b>Fl.(3)R.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	4	STARBOARD (B) R, pillar; 8.	Visible 097°-179°.
1012 G 1984	-Isla Alacran.	18° 28.8' S 70° 20.0' W	<b>Fl.W.</b> period 15s fl. 0.5s, ec. 14.5s	75 23	19	White fiberglass tower, red band; 26.	F.R. lights on radio masts 1.1 miles NE., 2.1 miles ENE., 0.9 mile E. and 0.9 mile SE. <b>AIS</b> (MMSI No 997251005).
1016 G 1985	-N. breakwater, head.	18° 28.2' S 70° 19.4' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	7	PORT (B) G, tower; 13.	<b>AIS</b> (MMSI No 997251004).
1020 G 1986	-Breakwater, head.	18° 28.1' S 70° 19.7' W	<b>Fl.R.</b> period 5s fl. 0.3s, ec. 4.7s	66 20	14	STARBOARD (B) R, tower; 39.	<b>AIS</b> (MMSI No 997251003).
1028 G 1978	Punta Pichalo.	19° 36.1' S 70° 14.1' W	<b>Fl.W.</b> period 12s fl. 0.3s, ec. 11.7s	180 55	13	White fiberglass tower, red band; 13.	Visible 309°-221°.
IQUIQUE:							
1036 G 1968	-Molo de Abrigo, head.	20° 12.0' S 70° 09.4' W	<b>Fl.R.</b> period 10s fl. 0.3s, ec. 9.7s	62 19	14	STARBOARD (B) R, tower; 44.	
1040 G 1969	-Espigon de Atraque, NE. corner.	20° 12.2' S 70° 09.3' W	<b>F.R.</b>	34 10	1	White post, white triangular topmark point up, red border; 18.	Private light.
1042 G 1969.2	--NW. corner.	20° 12.2' S 70° 09.4' W	<b>F.G.</b>	30 9	1	White iron post, white triangular topmark point up, red border; 13.	Private light.
1048 G 1972	-Patilliguaje Rock.	20° 12.4' S 70° 09.3' W	<b>Fl.(2+1)G.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	16 5	5	PREFERRED CHANNEL (B) GRG, tower; 11.	
1050 G 1974.3	-Serrano Peninsula.	20° 12.5' S 70° 09.6' W	<b>Fl.W.</b> period 12s fl. 0.3s, ec. 11.7s	128 39	19	White cylindrical metal tower, red bands; 72.	
1060 G 1974	-Range, front, passenger mole, head.	20° 12.6' S 70° 09.3' W	<b>F.R.</b>			Wooden pile, red and white bands, white triangular topmark point up; 18.	Private light.
1064 G 1974.1	--Rear, 43 meters 197° from front.	20° 12.7' S 70° 09.3' W	<b>F.R.</b>			Post, red and white bands, white triangular topmark point down; 12.	Private light.
1072 G 1964	-Punta Gruesa.	20° 21.8' S 70° 10.9' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	89 27	14	White pyramidal concrete tower, blue base; 33.	Visible 004°-205°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1076 G 1963	-Punta Patillos.	20° 45.0' S 70° 11.8' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	135 41	13	White fiberglass tower, red band; 13.	Visible 348°-063° and 073°- 186°.
1077 G 1963.2	-Patillos Terminal Range, front, No. 1.	20° 44.9' S 70° 11.4' W	<b>F.Bu.</b>	82 25	3	Orange diamond daymark.	
1077.1 G 1963.21	--Rear, 176 meters 138° from front.	20° 44.9' S 70° 11.3' W	<b>F.Bu.</b>	118 36	3	Orange diamond daymark.	
1077.2 G 1963.3	-Range, front.	20° 44.9' S 70° 11.7' W	<b>F.Bu.</b>	39 12	3	Orange diamond daymark.	Private light.
1077.3 G 1963.31	--Rear, 126 meters 202° from front.	20° 45.0' S 70° 11.7' W	<b>F.Bu.</b>	62 19	3	Orange diamond daymark.	Private light.
1077.4 G 1963.4	-Patillos Terminal Range, front, No. 2.	20° 45.0' S 70° 11.8' W	<b>F.Bu.</b>	92 28	3	Orange rectangular daymark.	Private light.
1077.5 G 1963.41	--Rear, 198 meters 152° from front.	20° 45.1' S 70° 11.7' W	<b>F.Bu.</b>	131 40	3	Orange rectangular daymark.	Private light.
1077.6 G 1963.5	-Range, front.	20° 44.8' S 70° 11.3' W	<b>F.Bu.</b>	82 25	3	Orange rectangular daymark.	Private light.
1077.7 G 1963.51	--Rear, 238 meters 094° from front.	20° 44.8' S 70° 11.2' W	<b>F.Bu.</b>	105 32	3	Orange rectangular daymark.	Private light.
1078 G 1961	-Punta Chomache.	21° 07.7' S 70° 07.9' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	49 15	5	White fiberglass tower, red band; 11.	Visible 330°-208°.
1080 G 1960	Punta Falsa Chipana.	21° 20.3' S 70° 05.9' W	<b>Fl.W.</b> period 15s fl. 0.7s, ec. 14.3s	20 6	8	White fiberglass tower, red band; 8.	Visible 347°-246°.
1084 G 1958	-Muelle S.I.T., head.	22° 05.6' S 70° 12.4' W	<b>2 F.W.</b>	39 12	3	Iron post; 22.	One on each side of head. Private light.
1096 G 1956	<b>Punta Algodanales.</b>	22° 05.7' S 70° 13.1' W	<b>Fl.W.</b> period 12s fl. 0.4s, ec. 11.6s	79 24	16	White fiberglass tower, red band; 26.	Visible 048°-041°.
MEJILLONES:							
1097 G 1952.1	-Vopack Oxiquim Terminal Range No. 1, front.	23° 06.0' S 70° 28.6' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	67 21	6	Metal post, red rectangular daymark, white stripe; 44.	Visible 067°-064°. Private light.
1097.1 G 1952.2	--Rear No. 2, 411 meters 245° from front.	23° 06.1' S 70° 28.8' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	93 28	6	Metal post, red rectangular daymark, white stripe; 22.	Visible 074°-062°.
1097.2 G 1952.21	-OXM1-A.	23° 06.0' S 70° 28.6' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	67 21	6	Metal post, green rectangular daymark, white stripe; 43.	Visible 073°-070°.
1098 G 1953	-Puerto Mejillones del Sur.	23° 05.9' S 70° 27.2' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	66 20	6	Tower, Port Captain; 59.	Visible 038°-326°.
1099 G 1954.3	-No. 3, Range, common front.	23° 05.6' S 70° 25.6' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	55 17	5	Metal post, red rectangular daymark, white stripe; 18.	Visible 088°-245°. Private light.
1099.1 G 1954.2	--Rear, No. 4, 391 meters 168° from front.	23° 05.8' S 70° 25.6' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	96 29	5	Metal post, red rectangular daymark, white stripe; 28.	Visible 086°-234°.
1099.2 G 1954.4	--Rear, No. 5, 391 meters 163° from front.	23° 05.8' S 70° 25.6' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	96 29	5	Metal post, red rectangular daymark, white stripe; 26.	Visible 086°-234°.
1100 G 1954	-On tower.	23° 06.5' S 70° 26.5' W	<b>Q.R.</b>		6	Red metal framework tower, white bands; 98.	Obstruction.
1101 G 1955.1	-ENAEX Terminal Range, front.	23° 05.6' S 70° 25.5' W	<b>F.G.</b>	72 22	4	Metal post, red trapezoidal daymark, white stripe; 20.	Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1101.5 <i>G 1955.11</i>	--Rear, 150 meters 199° from front.	23° 05.7' S 70° 25.5' W	<b>F.R.</b>	72 22	4	Metal post, white trapezoidal daymark, red stripe; 39.	Occasional. Private light.
1102 <i>G 1955.2</i>	-Puerto Mejillones SA Terminal Range, front.	23° 05.2' S 70° 24.9' W	<b>F.G.</b>	33 10	4	Metal post on conveyor bridge, white trapezoidal daymark, red stripe; 16.	Occasional.
1102.5 <i>G 1955.21</i>	--Rear, 200 meters 145° from front.	23° 05.3' S 70° 24.9' W	<b>F.R.</b>	66 20	4	Metal post, white trapezoidal daymark, red stripe; 20.	Occasional. Private light.
1102.6 <i>G 1955.25</i>	--On chimney.	23° 05.3' S 70° 24.7' W	<b>F.I.R.</b> period 2s	148 45	8	Chimney.	
1103 <i>G 1955.3</i>	-Chemical Terminal Range, front. E-1.	23° 04.9' S 70° 24.1' W	<b>F.I.R.</b> period 3s fl. 1s, ec. 2s	39 12	5	Metal post, red rectangular daymark, white stripe; 30.	Visible 175°-184°.
1103.5 <i>G 1955.31</i>	--Rear, 90 meters 179° from front. E-2.	23° 04.9' S 70° 24.1' W	<b>F.I.R.</b> period 3s fl. 1s, ec. 2s	121 37	5	Metal post, red rectangular daymark, white stripe; 43.	Visible 175°-184°.
1103.6 <i>G 1955.35</i>	--E.	23° 04.9' S 70° 23.1' W	<b>F.R.</b>	279 85	5	Tower.	
1103.7 <i>G 1955.38</i>	-Chemical Terminal Range, front. F-1.	23° 04.5' S 70° 23.6' W	<b>F.I.G.</b> period 3s fl. 1s, ec. 2s	39 12	5	Metal post, green rectangular daymark, white stripe; 30.	Visible 106°-114°. Private light.
1103.8 <i>G 1955.381</i>	--Rear, 100 meters 109° from front. F-2.	23° 04.5' S 70° 23.5' W	<b>F.I.G.</b> period 3s fl. 1s, ec. 2s	121 37	5	Metal post, green rectangular daymark, white stripe; 43.	Visible 106°-114°. Private light.
1104 <i>G 1955.4</i>	-Puerto Angamos Terminal Range, front.	23° 04.2' S 70° 23.1' W	<b>Q.R.</b>	98 30	4	Metal structure, white triangular daymark point up, red stripe; 16.	Private light.
1104.5 <i>G 1955.41</i>	--Rear, 180 meters 130° from front.	23° 04.3' S 70° 23.0' W	<b>F.R.</b>	115 35	4	Metal structure, white triangular daymark point down, red stripe; 20.	Private light.
1105 <i>G 1955.54</i>	-Range, front.	23° 04.2' S 70° 23.0' W	<b>Q.R.</b>	85 26	4	Metal structure, white triangular daymark point up, red stripe; 16.	Private light.
1105.5 <i>G 1955.535</i>	--Common Rear.	23° 04.2' S 70° 22.9' W	<b>F.R.</b>	121 37	4	Metal structure, white triangular daymark point down, red stripe; 20.	Private light.
1105.6 <i>G 1955.53</i>	-Range, front.	23° 04.1' S 70° 22.9' W	<b>Q.R.</b>	85 26	4	Metal structure, white triangular daymark point up, red stripe; 16.	Private light.
1106 <i>G 1955.52</i>	-N. Mole.	23° 03.9' S 70° 23.2' W	<b>F.I.R.</b> period 3s fl. 1s, ec. 2s	26 8	5	STARBOARD (B) R, tower; 13.	Visible 052°-231°. Private light.
1107 <i>G 1955.51</i>	-S. Mole.	23° 04.0' S 70° 23.3' W	<b>F.I.G.</b> period 3s fl. 1s, ec. 2s	26 8	5	PORT (B) G, tower; 13.	Visible 052°-231°. Private light.
1108 <i>G 1952</i>	Punta Angamos.	23° 01.6' S 70° 31.0' W	<b>F.I.W.</b> period 10s fl. 0.3s, ec. 9.7s	358 109	14	White fiberglass tower, red band; 26.	Visible 036°-267°.
1109 <i>G 1955.6</i>	-LNG Terminal.	23° 03.0' S 70° 22.5' W	<b>L.F.I.W.</b> period 8s fl. 3s, ec. 5s	33 10	10	White iron post, red band; 16.	
1110 <i>G 1955.61</i>	-LNG North Range No. 1, front.	23° 03.3' S 70° 22.0' W	<b>F.I.G.</b> period 3s fl. 1s, ec. 2s	110 34	5	Gray iron post, white rectangular daymark, orange stripe; 21.	Visible 280°-033°.
1110.5 <i>G 1955.615</i>	--Rear No. 2, 180 meters 130° from front.	23° 03.3' S 70° 21.9' W	<b>F.I.G.</b> period 3s fl. 1s, ec. 2s	140 43	5	Gray iron post, white rectangular daymark, orange stripe; 25.	Visible 234°-030°.
1111 <i>G 1955.62</i>	-LNG South Range No. 3, front.	23° 03.5' S 70° 22.2' W	<b>F.I.R.</b> period 3s fl. 1s, ec. 2s	107 33	5	Gray iron post, white rectangular daymark, orange stripe; 22.	Visible 233°-035°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1111.5 G 1955.625	--Rear No. 4, 180 meters from front.	23° 03.5' S 70° 22.1' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	138 42	5	Gray iron post, white rectangular daymark, orange stripe; 36.	Visible 236°-031°.
1112 G 1948	<b>Punta Tetas.</b>	23° 31.2' S 70° 37.3' W	<b>Fl.W.</b> period 18s fl. 0.6s, ec. 17.4s	108 33	15	White fiberglass tower, red bands; 26.	Visible 287°-166°.
1117.12 G 1947.68	-Shell Anchorage Starboard Range, front.	23° 37.0' S 70° 23.6' W	<b>Q.G.</b>	43 13	4	White triangular daymark point down and round daymark, red stripe; 16.	Visible 043°-150°. Private light.
1117.13 G 1947.681	--Common rear.	23° 37.0' S 70° 23.5' W	<b>F.G.</b>	52 16	4	White metal post, white triangular daymark point up and round daymark, red stripe; 32.	Visible 043°-150°; 95 meters 079° from front port; 95 meters 070° from front starboard. Private light.
1117.14 G 1947.682	-Shell Anchorage Port Range, front.	23° 36.7' S 70° 23.5' W	<b>Q.G.</b>	43 13	4	White metal post, white triangular daymark point up and round daymark, red stripe; 32.	Visible 043°-150°. Private light.
1118 G 1947.6	-Shell Terminal Range, front.	23° 37.4' S 70° 23.6' W	<b>F.R.</b>	59 18	6	White metal post, white triangular daymark point up and round daymark, red stripe; 41.	Visible 040°-180°. Private light.
1118.1 G 1947.61	--Rear, 240 meters 132° from front.	23° 37.5' S 70° 23.5' W	<b>F.R.</b>	98 30	6	White metal post, white triangular daymark point down and round daymark, red stripe; 41.	Visible 040°-180°. Private light.
ANTOFAGASTA:							
1120 G 1947	-Este, mole.	23° 38.8' S 70° 24.4' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	20 6	8	PORT (B) G, tower; 13.	Visible 263°-260°.
1124 G 1946	<b>-Molo de Abrigo.</b>	23° 38.8' S 70° 24.5' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	59 18	19	White round concrete tower, red bands; 43.	Visible 010°-190°.
1125 G 1945	-Darsena Range, front.	23° 39.2' S 70° 24.3' W	<b>F.R.</b>	66 20	7	White iron post, white rectangular daymark, red stripe; 66.	
1125.5 G 1945.1	--Rear, 79.8 meters 165° from front.	23° 39.2' S 70° 24.3' W	<b>F.R.</b>	82 25	7	White iron post, white rectangular daymark, red stripe; 82.	
1126 G 1947.2	-Molo Socopesca.	23° 38.5' S 70° 23.9' W	<b>Fl.(4)G.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 8	6	PORT (B) G, tower; 16.	
1126.5 G 1947.3	-Club de Yates.	23° 38.5' S 70° 24.0' W	<b>Fl.(4)R.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 8	6	STARBOARD (B) R, tower; 16.	
1127 G 1940	<b>Caleta Coloso.</b>	23° 45.5' S 70° 28.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 7.7s	118 36	15	Rectangular metal framework tower, white top, red band; 67.	Visible 060°-270°. On request. Private light.
RACON							
			<b>O(---)</b> period 40s fl. 20s, ec. 20s	118 36	10		Azimuth coverage 130°-230°. (3 & 10cm).
1128 G 1938	Punta Ballenita.	25° 47.0' S 70° 43.4' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	157 48	9	White fiberglass tower, red band; 13.	Visible 003°-009° and 010°- 241°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1129 G 1937	Isla San Felix.	26° 17.7' S 80° 06.8' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	640 195	10	White fiberglass tower, red band; 13.	
1130 G 1936	Punta Achurra.	26° 18.1' S 70° 39.8' W	<b>Fl.W.</b> period 15s fl. 0.5s, ec. 14.5s	105 32	10	White fiberglass tower, red band; 26.	Visible 330°-150°.
<b>CHANARAL:</b>							
1140 G 1933	--Anchorage Ranges, near Punta Piedra Blanca.	26° 21.4' S 70° 39.6' W	<b>4 F.R.</b>		3		2 pairs of range lights (118° and 200°) mark anchorage. F.R. obstruction lights when aircraft are expected.
1141 G 1935.5	<b>Monumental Chanaral.</b>	26° 21.8' S 70° 37.4' W	<b>Fl.W.</b> period 5s fl. 0.7s, ec. 4.3s	272 83	<b>20</b>	<b>SPECIAL</b> Y, tower; 49.	Visible 072°-142°.
1142 G 1925.6	Punta Caleta Range, front.	27° 03.3' S 70° 50.1' W	<b>F.R.</b>		2	Red triangular daymark point up; 10.	Private light.
1143 G 1925.61	--Rear, 55 meters 230° from front.	27° 03.4' S 70° 50.2' W	<b>F.G.</b>		2	Green triangular daymark point up; 10.	Private light.
1143.5 G 1930	Punta Totoralillo.	26° 51.1' S 70° 49.1' W	<b>L.Fl.W.</b> period 8s fl. 3s, ec. 5s	59 18	12	White iron tower, red bands; 30.	Visible 033°-290°. Private light.
<b>RACON</b>							
			<b>T(-)</b>	59 18	14		(3 & 10cm).
<b>CALDERA:</b>							
1144 G 1926	-Muelle Fiscal.	27° 03.8' S 70° 49.5' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	17 5	7	PORT (B) G, tower; 11.	
1147 G 1924.5	Punta Calderillo.	27° 02.9' S 70° 48.7' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 9	4	White fiberglass tower, red band, rectangular daymark; 11.	Visible 325°-128°.
1148 G 1924	<b>Punta Caldera.</b>	27° 03.1' S 70° 51.1' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	125 38	<b>15</b>	White truncated conical wooden tower, red bands; 61.	Visible 020°-278°. <b>Aero Radiobeacon</b> 0.7 mile SSE.
1149 G 1924.2	-Punta Padrones, NE.	27° 03.2' S 70° 50.7' W	<b>Fl.W.</b> period 3s	20 6	2		
1149.5 G 1924.22	--SW.	27° 03.2' S 70° 50.7' W	<b>Fl.W.</b> period 3s	13 4	2		
1150 G 1923	-Punta Caldereta.	27° 04.8' S 70° 51.6' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	49 15	3	STARBOARD (B) R, tower; 11.	Visible 069°-305°.
1151 G 1922	Bahia Copiapo, Puerto Viejo.	27° 20.2' S 70° 56.5' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	49 15	5	White fiberglass tower, red band; 11.	Visible 045°-270°.
<b>ISLA DE PASCUA (EASTER ISLAND):</b>							
1152 G 1991	-Isla de Pascua Range, front.	27° 09.3' S 109° 26.4' W	<b>Fl.G.</b> period 3s fl. 0.7s, ec. 2.3s	26 8	4	White post, white rectangular daymark, red stripe; 22.	Visible 025°-160°.
1152.1 G 1991.1	--Rear, 250 meters 109° from front.	27° 09.4' S 109° 26.3' W	<b>Fl.G.</b> period 3s fl. 0.7s, ec. 2.3s	131 40	4	White post, white rectangular daymark, red stripe; 25.	Visible 045°-140°.
1152.5 G 1992	-Hang-Roa-Otai.	27° 08.9' S 109° 26.0' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	20 6	8	White fiberglass tower, red band, triangular daymark; 11.	Visible 070°-190°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1152.6 <i>G 1993</i>	-Hanga-Oua 144°.	27° 09.0' S 109° 26.0' W	<b>Dir.L.FI.W.</b> period 8s fl. 3s, ec. 5s	43 13	13	White iron framework tower, red band; 16.	Visible 134°-154°.
1153 <i>G 1994</i>	-La Perouse, Rada.	27° 05.1' S 109° 18.0' W	<b>FI.W.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 159°-260°.
1154 <i>G 1994.5</i>	-Hotuiti, Caleta.	27° 07.3' S 109° 17.0' W	<b>FI.W.</b> period 10s fl. 0.7s, ec. 9.3s	23 7	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 263°-304°.
1155 <i>G 1995</i>	-Vaihu, Desembarcadero.	27° 09.9' S 109° 22.0' W	<b>FI.W.</b> period 12s fl. 1s, ec. 11s	26 8	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 264°-060°.
1155.5 <i>G 1921.5</i>	Isla Carrizal.	28° 04.7' S 71° 09.1' W	<b>FI.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	33 10	6	White fiberglass tower, red band, rectangular daymark; 11.	
HUASCO:							
1155.8 <i>G 1921.2</i>	-Punta Lobos.	28° 18.0' S 71° 11.6' W	<b>FI.W.</b> period 5s fl. 1s, ec. 4s	39 12	8	White fiberglass tower, red band, rectangular daymark; 11.	Visible 023°-180°.
1156 <i>G 1921</i>	-Islote Cayo.	28° 27.4' S 71° 13.7' W	<b>FI.(4)G.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	30 9	5	PORT (B) G, tower; 11.	
1161 <i>G 1918.2</i>	-Marine Terminal No. 1, Range, front.	28° 27.8' S 71° 15.3' W	<b>F.R.</b>	92 28		Iron framework tower, white daymark, red diamond; 10.	Private light.
1161.25 <i>G 1918.21</i>	--Middle, 35 meters 272°30' from front.	28° 27.8' S 71° 15.3' W	<b>F.G.</b>	92 28		Iron framework tower, white daymark, red diamond; 10.	Private light.
1161.5	--Rear, 50 meters 275° from front.	28° 27.8' S 71° 15.3' W	<b>F.G.</b>	121 37		Iron framework tower, white daymark, red diamond; 10.	Private light.
1162 <i>G 1918.4</i>	-No. 1 Range, front.	28° 28.2' S 71° 15.8' W	<b>3 F.R.</b>	92 28		Iron framework tower, white daymark, red diamond; 33.	Private light.
1162.5 <i>G 1918.39</i>	--Rear, Anchorage No. 2, 98 meters 206° from front.	28° 28.2' S 71° 15.1' W	<b>F.G.</b>	49 15		Iron framework tower, white metal daymark, red diamond in center, white stripe; 16.	Private light.
1162.8 <i>G 1918.5</i>	--Rear, 100 meters, 224° from front.	28° 28.1' S 71° 15.2' W	<b>F.G.</b>	92 28		Iron framework tower, white fiberglass daymark, red diamond in center; 33.	Private light.
1162.81 <i>G 1918.6</i>	-A-1, range, common front.	28° 28.3' S 71° 14.9' W	<b>Iso.G.</b> period 2s	98 30	5	Iron framework tower, orange rectangular daymark, white stripe; 58.	
1162.82 <i>G 1918.59</i>	--A-2, rear, 150 meters 225° from common front.	28° 28.3' S 71° 14.9' W	<b>F.G.</b>	118 36	5	Iron framework tower, orange rectangular daymark, white stripe; 25.	Private light.
1162.83 <i>G 1918.61</i>	--A-3, rear, 139 meters 207° from common front.	28° 28.3' S 71° 14.9' W	<b>F.G.</b>	121 37	5	Iron framework tower, orange rectangular daymark, white stripe; 33.	Private light.
1162.9 <i>G 1918.8</i>	-Pt. Loros Range, front.	28° 28.3' S 71° 14.6' W	<b>F.R.</b>			Iron framework tower, white daymark, red diamond in center; 33.	Private light.
1162.95 <i>G 1918.81</i>	--Rear, 60 meters 145° from front.	28° 28.3' S 71° 14.6' W	<b>F.G.</b>			Iron framework tower, white daymark, red diamond in center; 33.	Private light.
1163 <i>G 1919.1</i>	-Sta. Barbara Terminal Range, common front.	28° 28.4' S 71° 14.1' W	<b>F.G.</b>	131 40	3	Iron framework tower, white rectangular daymark, orange diamond in center; 46.	Private light.



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1163.5 <i>G 1919.11</i>	--Rear, 340 meters 132° from common front.	28° 28.5' S 71° 13.9' W	<b>F.G.</b>			Iron framework tower, white rectangular daymark, red diamond in center; 26.	Private light.
1163.6 <i>G 1919</i>	--Rear, 95 meters 145° from common front.	28° 28.4' S 71° 14.1' W	<b>F.G.</b>	151 <b>46</b>	3	Iron framework tower, orange rectangular daymark, white stripe; 39.	Private light.
1163.8 <i>G 1916.5</i>	Punta Huasco Sur.	28° 30.2' S 71° 16.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	115 <b>35</b>	8	White fiberglass tower, red band, rectangular daymark; 11.	Visible 000°-216°.
1164 <i>G 1916</i>	Isla Chanaral, W. side.	29° 01.9' S 71° 35.1' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	190 <b>58</b>	14	Cylindrical iron tower, white daymark, red bands; 30.	Visible 010°-214°.
1165 <i>G 1915</i>	Punta Rancagua.	29° 04.7' S 71° 30.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	66 <b>20</b>	8	White fiberglass tower, red band, rectangular daymark; 11.	Visible 022°-290°.
1166 <i>G 1906</i>	Damas Island.	29° 13.9' S 71° 31.7' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	161 <b>49</b>	7	White fiberglass tower, red band, triangular daymark; 11.	
1168 <i>G 1908</i>	-Punta Mostacilla.	29° 27.0' S 71° 18.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	125 <b>38</b>	6	White fiberglass tower, red band; 26.	
1172 <i>G 1904</i>	Islotes Pajaros, southernmost islet.	29° 35.1' S 71° 31.8' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	131 <b>40</b>	10	ISOLATED DANGER BRB, tower; 13.	Visible 162°-158°.
COQUIMBO:							
1176 <i>G 1900.5</i>	<b>La Serena monument.</b>	29° 54.3' S 71° 16.4' W	<b>Fl.W.</b> period 5s fl. 0.7s, ec. 4.3s	92 <b>28</b>	20	Cream-colored four-sided concrete tower, red dome; 82.	
1177 <i>G 1901.5</i>	-Caleta Coquimbo.	29° 57.3' S 71° 20.1' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	23 <b>7</b>	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 182°-350°.
1180 <i>G 1901</i>	-Landing pier, head.	29° 57.0' S 71° 20.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	30 <b>9</b>	8	White metal post, red band; 23.	Visible 192°-358°. Reserve light range 2M. F.R. and F.G. in line 194° about 0.25 mile S.
1184 <i>G 1900</i>	<b>-Punta Tortuga.</b>	29° 56.0' S 71° 20.5' W	<b>Fl.W.</b> period 13s fl. 0.2s, ec. 12.8s	79 <b>24</b>	27	White cylindrical iron tower, red band; 13.	Visible 042°-255°. 3 F.R. on radio mast 1.97 miles SSE. F.R. on radio mast 0.73 mile S. <b>Siren:</b> 1 bl. ev. 30s (bl. 3s, si. 27s).
	-RACON		<b>T(-)</b> period 60s fl. 55s, ec. 5s	79 <b>24</b>	15		Azimuth coverage 042°-255°. (3 & 10cm).
1188 <i>G 1896.7</i>	Islote Mewes.	29° 57.8' S 71° 21.8' W	<b>Fl.(3)G.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	29 <b>9</b>	5	PORT (B) G, tower; 10.	
1192 <i>G 1897</i>	-Herradura Approach Range A, front.	29° 58.9' S 71° 21.1' W	<b>F.R.</b>	69 <b>21</b>	3	Metal post, white triangular daymark point up, orange stripe; 66.	Private light.
1192.5 <i>G 1897.1</i>	--Rear, 165 meters 140°30' from front.	29° 59.0' S 71° 21.0' W	<b>F.R.</b>	98 <b>30</b>	3	Metal post, white triangular daymark point down, orange stripe.	Private light.
1193 <i>G 1898</i>	-Mining Pier Range B, front, No. 1.	29° 58.5' S 71° 20.8' W	<b>F.R.</b>	39 <b>12</b>	3	White daymark, diamond in center, red and white diagonal stripes; 30.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1193.5 <i>G 1898.1</i>	--Rear, No. 2, about 48 meters 112.5° from front.	29° 58.5' S 71° 20.8' W	<b>F.G.</b>	49 15	3	White daymark, diamond in center, red and white diagonal stripes; 30.	Private light.
1194 <i>G 1898.3</i>	-Anchorage Range C, front.	29° 58.2' S 71° 21.2' W	<b>F.G.</b>	43 13	3	Metal structure, red rectangular daymark, white stripe; 33.	
1194.5 <i>G 1898.31</i>	--Rear, about 672 meters 112° from front.	29° 58.4' S 71° 20.8' W	<b>F.G.</b>	52 16	3	Metal post, red rectangular daymark, white stripe; 43.	
1195 <i>G 1898.5</i>	-Anchorage Range D, front, No. 1.	29° 57.9' S 71° 21.2' W	<b>F.R.</b>	39 12	3	White square daymark, white diamond, red diagonal stripes; 30.	
1195.5 <i>G 1898.49</i>	--Rear, No. 2, about 120 meters 037° from front.	29° 57.9' S 71° 21.2' W	<b>F.G.</b>	62 19	3	White square daymark, white diamond, red diagonal stripes; 30.	
1195.7 <i>G 1898.51</i>	--Rear, No. 3, about 120 meters 029° from front.	29° 57.9' S 71° 21.2' W	<b>F.G.</b>	62 19	3	White square daymark, white diamond, red diagonal stripes; 30.	
1196 <i>G 1898.7</i>	-Oil Berth Range E, front, No. 1.	29° 57.9' S 71° 21.5' W	<b>F.R.</b>	105 32	3	Mast, white diamond daymark, red diagonal stripes; 16.	
1196.5 <i>G 1898.71</i>	--Rear, No. 2, about 158 meters 031° from front.	29° 57.9' S 71° 21.5' W	<b>F.G.</b>	240 73	3	Mast, white diamond daymark, red diagonal stripes; 16.	
1204 <i>G 1896.6</i>	Punta Herradura.	29° 58.0' S 71° 22.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	65 20	10	White fiberglass tower, red band, rectangular daymark; 11.	Visible 101°-103° and 111°-298°.
1205 <i>G 1896.5</i>	Port Veleiro.	30° 13.9' S 71° 28.8' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	7 2	7	STARBOARD (B) R, pillar; 7.	Visible 325°-184°. Private light.
1208 <i>G 1896</i>	<b>Punta Lengua de Vaca.</b>	30° 14.9' S 71° 37.9' W	<b>Fl.W.</b> period 15s fl. 0.3s, ec. 14.7s	133 41	16	White fiberglass tower, red band; 13.	Visible 039°-265°. F.R. lights mark masts SSE. <b>Aero Radiobeacon</b> 8 miles E.
1208.5 <i>G 1896.2</i>	Puerto Aldea, Caleta Hornilla.	30° 17.6' S 71° 36.5' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	56 17	5	STARBOARD (B) R, tower; 16.	Visible 175°-340°.
1209 <i>G 1896.3</i>	-Puerto Aldea.	30° 18.2' S 71° 35.4' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	23 7	7	White fiberglass tower, red band; 15.	Visible 106°-261°.
1209.5 <i>G 1893</i>	Rio Limari.	30° 44.1' S 71° 42.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 010°-170°.
1210 <i>G 1892.8</i>	Punta Sierra.	31° 08.9' S 71° 40.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	154 47	6	White fiberglass tower, red band, triangular daymark; 11.	Visible 013°-174°.
1211 <i>G 1892.5</i>	Caleta Chigualoco.	31° 45.1' S 71° 31.0' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	2	White fiberglass pillar, red band; 20.	Visible 316°-104°.
1212 <i>G 1892</i>	Cabo Tablas.	31° 51.2' S 71° 33.3' W	<b>Fl.W.</b> period 10s fl. 0.4s, ec. 9.6s	236 72	10	White fiberglass tower, red band; 16.	Visible 284°-170°.
1213 <i>G 1891.3</i>	Islas Blancas.	31° 52.7' S 71° 31.7' W	<b>Q.(6)+L.Fl.W.</b> period 15s	82 25	7	S. CARDINAL YB, tower; 30.	
1214 <i>G 1891</i>	-Muelle de Pasajeros.	31° 54.7' S 71° 31.4' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	29 9	8	STARBOARD (B) WRW, tower; 11.	Visible 059°-271°.
1215 <i>G 1891.5</i>	Islote Penitente.	31° 52.4' S 71° 34.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	44 14	2	ISOLATED DANGER BRB, tower; 11.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1216 G 1890	Isla Huevos, N. side of island.	31° 54.5' S 71° 31.5' W	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	62 19	9	STARBOARD (B) R, tower; 13.	Visible 053°-071° and 076°-297°.
BAHIA DE QUINTERO:							
1218 G 1882.2	-Intake pipe.	32° 44.9' S 71° 29.3' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	27 8	3	SPECIAL Y, pillar, "X" topmark; 12.	
1218.5 G 1882.35	-Submarine pipe.	32° 44.9' S 71° 29.2' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	12 4	3	SPECIAL Y, pillar, "X" topmark; 12.	
1219 G 1882.3	-Ventana, No. 1.	32° 45.0' S 71° 29.3' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	27 8	3	SPECIAL Y, pillar, "X" topmark; 12.	Private light.
1219.5 G 1882.4	--No. 2.	32° 45.0' S 71° 29.2' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	27 8	3	SPECIAL Y, pillar, "X" topmark; 12.	Private light.
1219.6 G 1882.5	--No. 3.	32° 45.0' S 71° 29.2' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	12 4	3	SPECIAL Y, pillar, "X" topmark; 12.	Private light.
1222 G 1883	-Ventanilla Range, front.	32° 45.1' S 71° 29.0' W	<b>Q.G.</b>	46 14	4	Iron post, white diamond daymark, red stripe; 36.	Private light.
1223 G 1883.1	--Rear, about 70 meters 092° from front.	32° 45.1' S 71° 29.0' W	<b>Q.G.</b>	72 22	4	Barn, white diamond daymark, red stripe.	
1228 G 1888.6	<i>Mono (terminal) Lighted Buoy ENAP</i>	32° 45.7' S 71° 31.1' W	<b>Iso.W.</b> period 2.4s		5	Orange buoy.	<b>Horn:</b> 1 bl. ev. 15s. (bl. 2s, si. 13s). Private light. <b>Radar reflector.</b> <b>Aero Radiobeacon</b> 3 miles NNE.
1230 G 1889	Oxiquim breakwater.	32° 45.7' S 71° 29.8' W	<b>Fl.(3+1)Y.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s fl. 1s, ec. 6s	26 8	8	SPECIAL Y, tower; 13.	Private light.
1232 G 1886	Muelle ENAP.	32° 46.2' S 71° 29.5' W	<b>Q.R.</b>	49 15	4	Iron post, triangular daymark point up, stripe; 43.	Private light.
1233 G 1887.201	-Range, front.	32° 46.4' S 71° 29.5' W	<b>Iso.R.</b> period 2s	44 14	4	Iron post, white diamond topmark, red stripe; 19.	Visible 139°-165°. Private light.
1234 G 1887.202	--Rear, 81 meters 153° from front.	32° 46.4' S 71° 29.5' W	<b>Iso.R.</b> period 2s	58 18	4	Iron post, white diamond topmark, red stripe; 26.	Private light.
1235 G 1887.2443	-S. El Bato Marine Terminal Range, front.	32° 46.6' S 71° 29.8' W	<b>Iso.R.</b> period 2s	31 10	3	White iron pillar, red circular daymark, white stripe; 20.	Private light.
1236 G 1887.2444	--Rear, 150 meters 116° from front.	32° 46.7' S 71° 29.7' W	<b>Iso.R.</b> period 2s	56 17	3	White iron pillar, red circular daymark, white stripe; 20.	
1237 G 1887.243	-Oxiquim Terminal Range No.6, front.	32° 46.5' S 71° 29.7' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	79 24	8	Iron post, white rectangular daymark, red stripe; 21.	Visible 158°-188°. Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1238 G 1887.244	--Rear, No. 7, 280 meters 173° from front.	32° 46.6' S 71° 29.7' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	105 32	8	Iron post, white rectangular daymark, red stripe; 69.	Visible 158°-188°. Private light.
1246 G 1887.8	Roca Tortuga.	32° 46.7' S 71° 31.4' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	28 8	4	ISOLATED DANGER BRB, pillar; 26.	
1248 G 1887.6	-Muelle Fiscal.	32° 46.5' S 71° 31.5' W	<b>F.G.</b>	26 8	1	White iron post, red bands; 10.	Private light.
1252 G 1882	<b>Peninsula Los Molles.</b>	32° 46.3' S 71° 32.1' W	<b>Fl.W.</b> period 15s fl. 0.3s, ec. 14.7s	308 94	22	White truncated conical concrete tower, red bands; 59.	Visible 020°-236°30'.
BAHIA CONCON:							
1254 G 1880.5	-Club De Yates Higuera.	32° 55.7' S 71° 32.5' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	36 11	11	White fiberglass tower on concrete shed, red band, topped with aluminum cage, copper roof; 23.	Visible 145°-231°.
1255 G 1880	<b>Punta Concon.</b>	32° 55.7' S 71° 33.1' W	<b>Fl.W.</b> period 12s fl. 0.4s, ec. 11.6s	49 15	18	White fiberglass tower, red band; 13.	Visible 352°-234°.
			<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	49 15	11		Visible 172°-180° on the rocks of Concon.
1255.5 G 1877	-Muelle Baron.	33° 02.4' S 71° 36.5' W	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	46 14	4	Orange iron post; 13.	Visible 070°-290°. Private light.
BAHIA DE VALPARAISO:							
1256 G 1876	<b>-Breakwater.</b>	33° 01.9' S 71° 37.2' W	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	39 12	20	White iron pillar, red band; 23.	Visible 138°-125°.
1260 G 1875	<b>-Punta Duprat.</b>	33° 01.6' S 71° 37.5' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	69 21	20	White octagonal concrete tower, red band; 51.	Visible 335°-318°.
1261 G 1879.1	-Club de Yates Recreo.	33° 01.6' S 71° 34.8' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	18 6	7	STARBOARD (B) R, tower; 7.	Visible 126°-239°.
1263 G 1878	<b>-Punta Gruesa, Condell.</b>	33° 01.5' S 71° 35.1' W	<b>Fl.W.</b> period 12s fl. 1.6s, ec. 10.4s	56 17	20	White iron tower, red band; 23.	Visible 026°-244°.
1268 G 1874	<b>-Punta Angeles.</b>	33° 01.4' S 71° 38.8' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	197 60	32	White iron tower, red bands; 59.	Visible 048°30'-250°. <b>Horn:</b> 2 bl. ev. 30s (bl. 3s, si. 10s, bl. 2s, si. 15s).
1272 G 1870	Punta Curaumilla.	33° 05.7' S 71° 45.0' W	<b>Fl.W.</b> period 15s fl. 0.5s, ec. 14.5s	276 84	10	White iron tower, red band; 11.	Visible 344°-244°.
1276 G 1871	Muelle Laguna Verde.	33° 06.0' S 71° 41.0' W	<b>F.R.</b>		2		
1278 G 1869	-Rada Quintay.	33° 11.5' S 71° 43.2' W	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	85 26	4	STARBOARD (B) R, tower; 20.	Visible 025°-355°.
			<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	82 25	10		Visible 126°-128° over Fraile rock.
1279 G 1862	Club de Yates Algarrobo Range, front.	33° 21.3' S 71° 40.1' W	<b>F.R.</b>	21 6	1	Metal pillar, white triangular daymark point up, red border; 15.	

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<b>CHILE</b>							
1279.5 <i>G 1862.1</i>	-Rear, about 72 meters 099° from front.	33° 21.3' S 71° 40.1' W	<b>F.R.</b>	28 <b>8</b>	1	Metal pillar, white triangular daymark point up, red border; 21.	
1280 <i>G 1866</i>	Peninsula Pajaros Ninos.	33° 21.5' S 71° 41.2' W	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	115 <b>35</b>	11	STARBOARD (B) R, tower; 13.	Visible 163°-150°.
			<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	111 <b>34</b>	8		Visible 150°-163° over Los Farallones rocks.
1282 <i>G 1864</i>	Poza Cofradia.	33° 21.4' S 71° 41.7' W	<b>Fl.(3)R.</b> period 9s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 1.5s fl. 0.3s, ec. 5.1s	19 <b>6</b>	5	STARBOARD (B) R, tower; 11.	Visible 129°-309°.
1283 <i>G 1863</i>	Cofradia Nautica.	33° 21.5' S 71° 41.7' W	<b>L.Fl.W.</b> period 8s fl. 3s, ec. 5s	66 <b>20</b>	14	Black round iron mast; 60.	Visible 186°-206°.
SAN ANTONIO:							
1284 <i>G 1857</i>	<b>-Punta Panul.</b>	33° 34.5' S 71° 37.5' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	292 <b>89</b>	32	White hexagonal concrete tower, red bands; 31.	<b>AIS</b> (MMSI No 997251009).
1292 <i>G 1859</i>	-Muelle Policarpo Toro.	33° 35.0' S 71° 37.3' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	52 <b>16</b>	10	PORT (B) G, tower; 34.	<b>AIS</b> (MMSI No 997251100).
1296 <i>G 1859.3</i>	-North Harbor Range, front.	33° 35.0' S 71° 36.8' W	<b>F.R.</b> period 3s fl. 1s, ec. 2s	82 <b>25</b>	8	Metal pillar, yellow rectangular daymark, red stripe; 43.	Private light.
1300 <i>G 1859.31</i>	--Rear, 78 meters 092°36' from front.	33° 35.0' S 71° 36.7' W	<b>F.R.</b> period 3s fl. 1s, ec. 2s	118 <b>36</b>	8	Metal pillar, yellow rectangular daymark, red stripe; 46.	Private light.
1304 <i>G 1858</i>	-Molo Sur.	33° 35.2' S 71° 37.4' W	<b>F.R.</b> period 5s fl. 1s, ec. 4s	46 <b>14</b>	13	STARBOARD (B) R, tower; 5.	<b>AIS</b> (MMSI No 997251101). <b>Horn:</b> 1 bl. ev. 10s (bl. 8s, si. 2s). <b>Aero Radiobeacon</b> 3 miles S. on Santo Domingo Point.
1308 <i>G 1860</i>	-Espigon de Atraque, NE. corner.	33° 35.1' S 71° 37.1' W	<b>F.R.</b>	26 <b>8</b>	2	Iron post; 16.	Private light.
1309 <i>G 1859.2</i>	-Range, front.	33° 35.5' S 71° 37.0' W	<b>F.R.</b>	26 <b>8</b>	2	Metal pillar, white rectangular daymark, red stripe; 20.	Private light.
1309.5 <i>G 1859.21</i>	--Rear, about 100 meters 141° from front.	33° 35.5' S 71° 36.9' W	<b>F.R.</b>	56 <b>17</b>	2	Metal pillar, white rectangular daymark, red stripe; 46.	Private light.
1309.6 <i>G 1859.15</i>	-Range, front.	33° 35.7' S 71° 37.0' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	30 <b>9</b>	3	Metal pillar, white rectangular daymark, red stripe; 24.	Private light.
1309.7 <i>G 1859.16</i>	--Rear, 153 meters 155° from front.	33° 35.8' S 71° 37.0' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	43 <b>13</b>	3	Metal pillar, white rectangular daymark, red stripe; 37.	Private light.
1310 <i>G 1859.1</i>	-Range, front.	33° 35.7' S 71° 37.1' W	<b>F.G.</b>	33 <b>10</b>	2	Metal pillar, white rectangular daymark, red stripe; 26.	Private light.
1310.5 <i>G 1859.11</i>	--Rear, about 125 meters 164°24' from front.	33° 35.7' S 71° 37.1' W	<b>F.G.</b>	46 <b>14</b>	2	Metal pillar, white rectangular daymark, red stripe; 32.	Private light.
1312 <i>G 1860.2</i>	--SW. corner.	33° 35.2' S 71° 37.2' W	<b>F.R.</b>	20 <b>6</b>	2	Iron post; 16.	Private light.
ISLA ROBINSON CRUSOE:							
1328 <i>G 1855</i>	-Punta San Carlos.	33° 37.9' S 78° 49.7' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	18 <b>6</b>	9	White fiberglass tower, rectangular daymark, red band; 11.	Visible 180°-001°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1330 <i>G 1856</i>	-Cumberland Bay.	33° 38.2' S 78° 49.8' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	16 5	3	PORT (B) G, tower; 10.	Visible 184°-279°.
1331 <i>G 1856.2</i>	-Padre Bay.	33° 40.3' S 78° 56.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	8	White iron framework tower, red band; 10.	
1331.5 <i>G 1853</i>	Isla Alejandro Selkirk.	33° 43.6' S 80° 46.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	30 9	3	White fiberglass tower, red band; 11.	Visible 151°-141°.
1332 <i>G 1850</i>	<b>Punta Topocalma.</b>	34° 07.9' S 72° 00.1' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	387 118	16	White fiberglass tower, red band; 13.	Visible 347°-210°.
1334 <i>G 1848</i>	Trilco, Punta Cardonal.	34° 48.8' S 72° 08.1' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	148 45	9	White wooden cabin, red bands; 22.	Visible 037°-202°.
1335 <i>G 1846.5</i>	Muelle Maguellines.	35° 21.5' S 72° 27.8' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	20 6	4	Metal pillar, white rectangular daymark, red band; 10.	
1336 <i>G 1846</i>	Cabo Carranza.	35° 33.5' S 72° 36.7' W	<b>Fl.W.</b> period 10s fl. 1.5s, ec. 8.5s	171 52	14	White four-sided iron tower, red bands; 62.	Visible 038°-211°. <b>Aero Radiobeacon</b> 19.8 miles NNE marked by F.I.R.
1344 <i>G 1797</i>	Morro Loberia.	36° 34.7' S 73° 00.0' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	262 80	9	White fiberglass tower, red band; 13.	Visible 332°-200°.
1348 <i>G 1798</i>	<b>Isla Quiriquina.</b>	36° 36.5' S 73° 03.0' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	295 90	21	White iron tower, red band; 23.	Visible 048°-015°. <b>Siren:</b> 2 bl. ev. 30s (bl. 2s, si. 3s, bl. 2s, si. 23s).
1352 <i>G 1806</i>	-Punta Arenas.	36° 38.5' S 73° 03.3' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	6	White metal post, red band; 21.	Visible 192°-035°.
1353 <i>G 1806.5</i>	-N. Measured Mile Range, front.	36° 37.9' S 73° 03.2' W	<b>F.W.</b>	57 18	3	White fiberglass pillar, red band; 21.	Q.W. 3M shown to assist identification. Occasional.
1353.1 <i>G 1806.51</i>	--Rear, 624 meters 305°30' from front.	36° 37.7' S 73° 03.6' W	<b>F.W.</b>	172 52	3	White fiberglass pillar, red band; 21.	Occasional.
1354 <i>G 1806.6</i>	-S. Measured Mile Range, front.	36° 38.7' S 73° 04.0' W	<b>F.W.</b>	169 52	3	White fiberglass pillar, red band; 21.	Q.W. 3M shown to assist identification. Occasional.
1354.1 <i>G 1806.61</i>	--Rear, 77 meters 305°30' from front.	36° 38.7' S 73° 04.0' W	<b>F.W.</b>	179 54	3	White fiberglass pillar, red band; 21.	Occasional.
1360 <i>G 1802</i>	-N. mole, head.	36° 38.2' S 73° 03.4' W	<b>Fl.R.</b> period 3s fl. 0.4s, ec. 2.6s	16 5	3	STARBOARD (B) R, pillar; 6.	
1364 <i>G 1808</i>	-S. mole, head.	36° 38.7' S 73° 03.8' W	<b>L.Fl.W.</b> period 8s fl. 3s, ec. 5s	16 5	6	White cylindrical metal post, red band; 11.	Visible 255°-053°.
1376 <i>G 1833</i>	Penco mechanized pier, head.	36° 43.4' S 73° 00.5' W	<b>Fl.R.G.</b> period 2s fl. 0.4s, ec. 1.6s		R. G. 6 4	Hillock.	G. E. side, R. W. side. Private light.
1380 <i>G 1830</i>	Isla de los Reyes D, front.	36° 44.0' S 73° 04.0' W	<b>F.R.</b>	44 14	6	White metal post, red bands, white diamond daymark, orange stripe; 20.	Private light.
1380.1 <i>G 1830.1</i>	-Rear E, 153 meters 256°30' from front.	36° 44.0' S 73° 04.1' W	<b>F.R.</b>	80 24	6	White metal post, red bands, white diamond daymark, orange stripe; 56.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
TALCAHUANO:							
1388 G 1821	--W. breakwater, head.	36° 41.7' S 73° 06.3' W	<b>Fl.(4)G.</b> period 12s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 5.2s	20 6	4	PORT (B) G, tower; 10.	
1390 G 1834	-Puerto Lirquen, Muelle No. 1.	36° 42.4' S 72° 59.0' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	31 10	5	PORT (B) G, tower; 13.	Visible 070°-249°. Numerous lighted range beacons mark approaches to port and vicinity. Private light.
1391 G 1834.5	--Muelle No. 2.	36° 42.4' S 72° 59.4' W	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	33 10	5	STARBOARD (B) R, tower; 15.	Visible 079°-258°.
1392 G 1816	-Marinao breakwater.	36° 41.8' S 73° 05.6' W	<b>Fl.(3)R.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	18 6	4	STARBOARD (B) R, pillar; 10.	
1396 G 1814	-Belen Shoal.	36° 41.8' S 73° 05.0' W	<b>Fl.(3)W.</b> period 10s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 7s	36 11	9	E. CARDINAL BYB, beacon, topmark; 26.	<b>Radar reflector.</b>
	-RACON		<b>B(-•••)</b> period 60s fl. 15s, ec. 45s	39 12	4		(3 & 10cm).
1400 G 1812	-Caleta Manzano, mole.	36° 41.3' S 73° 06.0' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	16 5	4	STARBOARD (B) R, pillar; 10.	
BAHIA SAN VICENTE:							
1408 G 1796	-Punta Tumbes.	36° 36.9' S 73° 07.1' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	128 39	18	White iron tower, red bands; 21.	Visible 028°-273°.
1412 G 1795	-C.A.P. Muelle, head.	36° 44.4' S 73° 08.0' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	26 8	7	White metal tower, red band, rectangular daymark; 10.	Private light.
1414 G 1795.2	-Aproximacion Sitio Sur Range, front.	36° 44.1' S 73° 07.5' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	52 16	7	Metal tower, white triangular daymark, orange stripe; 46.	Private light.
1414.5 G 1795.21	--Rear, about 115 meters 048° from front.	36° 44.1' S 73° 07.5' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	62 19	7	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1415 G 1795.3	-Enfilacion de Fondeo Sitio Norte Range, front.	36° 44.4' S 73° 07.5' W	<b>F.G.</b>	85 26	8	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1415.5 G 1795.31	--Rear, about 184 meters 113° from front.	36° 44.5' S 73° 07.4' W	<b>F.G.</b>	125 38	8	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1416 G 1794.5	-Enfilacion de Fondeo Sitio Sur Range, front.	36° 44.5' S 73° 07.7' W	<b>F.R.</b>	30 9	8	Roof, white triangular daymark point up, orange stripe; 19.	Private light.
1416.5 G 1794.51	--Rear, about 76 meters 102° from front.	36° 44.5' S 73° 07.7' W	<b>F.R.</b>	43 13	8	Chimney, white triangular daymark point up, orange stripe; 33.	Private light.
1417 G 1795.4	-Enfilacion de Aproximacion Sitio Sur Range, front.	36° 44.8' S 73° 07.8' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	52 16	7	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1417.5 <i>G 1795.41</i>	--Rear, about 128 meters 170° from front.	36° 44.9' S 73° 07.8' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	62 19	7	Metal tower, white and orange stripe, triangular daymark; 46.	Private light.
1420 <i>G 1794</i>	<b>Punta Hualpen.</b>	36° 44.8' S 73° 11.5' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	154 47	19	White fiberglass tower, red band; 18.	Visible 040°-262°. <b>Siren:</b> 2 bl. ev. 30s (bl. 5s, si. 10s, bl. 5s, si. 10s).
1424 <i>G 1764</i>	Isla Santa Maria.	36° 59.1' S 73° 32.1' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	239 73	11	White fiberglass tower, red band; 20.	Visible 006°-344°.
1428 <i>G 1765</i>	--Punta Delicada.	37° 02.5' S 73° 28.6' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	30 9	4	White fiberglass tower, red band; 13.	Visible 151°-045°.
GOLFO DE ARAUCO:							
1429 <i>G 1791</i>	--Oxiquim Maritime Terminal Range, front, Ox1.	36° 57.1' S 73° 09.9' W	<b>F.W.</b>	90 27	6	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1429.5 <i>G 1791.1</i>	--Rear, Ox2, about 78 meters 137° from front.	36° 57.1' S 73° 09.9' W	<b>F.W.</b>	109 33	6	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1431 <i>G 1792.1</i>	--Range, common front, Ox3.	36° 56.7' S 73° 09.7' W	<b>F.G.</b>	57 17	3	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1431.5 <i>G 1792</i>	--Rear, Ox4, about 79 meters 084° from front.	36° 56.6' S 73° 09.7' W	<b>F.G.</b>	65 20	3	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
1431.6 <i>G 1792.2</i>	--Rear, Ox5, about 77 meters 072° from front.	36° 56.6' S 73° 09.7' W	<b>F.G.</b>	65 20	3	White cylindrical iron tower, red bands, red triangular daymark point up; 28.	Private light.
BAHIA DE CORONEL:							
1432 <i>G 1784</i>	<b>-Punta Puchoco.</b>	37° 01.7' S 73° 10.6' W	<b>Fl.W.</b> period 10s fl. 1.3s, ec. 8.7s	62 19	20	White fiberglass tower, red band; 20.	Visible 262°-140°.
1432.1 <i>G 1783.5</i>	--Range, front.	37° 01.5' S 73° 10.4' W	<b>F.R.</b>	58 18	7	White iron structure, red band, white triangular daymark point up, red stripe; 33.	Private light.
1432.2 <i>G 1783.6</i>	--Rear, 112.4 meters 349° from front.	37° 01.5' S 73° 10.4' W	<b>F.R.</b>	67 20	7	White iron structure, red band, white triangular daymark point up, red stripe; 42.	Private light.
1436 <i>G 1782.5</i>	-Muelle Puerto Coronel.	37° 01.9' S 73° 09.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	31 9	8	White iron structure, red bands; 31.	Visible 320°-140°. Private light.
1438 <i>G 1783</i>	--Approach Range, front.	37° 01.6' S 73° 09.8' W	<b>F.G.</b>	49 15	4	White cylindrical iron pipe, red bands, white triangular daymark point up, orange stripes; 49.	Visible 235°-055°. Private light.
1438.1 <i>G 1783.1</i>	---Rear, 80 meters 325° from front.	37° 01.5' S 73° 09.8' W	<b>F.G.</b>	69 21	4	White cylindrical iron pipe, red bands, white triangular daymark point up, orange stripes; 69.	Visible 235°-055°. Private light.
1440 <i>G 1782.6</i>	--N. Approach Range, front.	37° 01.6' S 73° 09.0' W	<b>F.G.</b>	49 15	7	White iron pipe, red bands, white triangular daymark point up, orange stripes; 43.	Visible 320°-140°. Private light.
1440.1 <i>G 1782.7</i>	---Rear, 160 meters 050° from front.	37° 01.6' S 73° 09.0' W	<b>F.G.</b>	52 16	7	White iron pipe, red bands, white triangular daymark point up, orange stripes; 46.	Visible 320°-140°. Private light.
1442 <i>G 1782.8</i>	--S. Approach Range, front.	37° 01.7' S 73° 09.0' W	<b>F.R.</b>	51 16	7	White iron pipe, red bands, white triangular daymark point up, orange stripes; 49.	Visible 320°-140°. Private light.



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<b>CHILE</b>							
1442.1 G 1782.9	--Rear, 160 meters 050° from front.	37° 01.7' S 73° 08.9' W	<b>F.R.</b>	69 21	7	Barn, white triangular topmark point up, orange stripes; 10.	Visible 320°-140°. Private light.
1443 G 1782.3	-Range, front.	37° 01.9' S 73° 08.8' W	<b>Q.R.</b>	62 19	7	White iron structure, red band, white triangular daymark point up, red stripe; 44.	Private light.
1443.1 G 1782.31	--Rear, 172.5 meters 077° from front.	37° 01.8' S 73° 08.7' W	<b>Q.R.</b>	81 25	7	White iron structure, red band, white triangular daymark point up, red stripe; 57.	Private light.
<b>BAHIA DE LOTA:</b>							
1452 G 1768	-Punta Lutrin.	37° 05.7' S 73° 10.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	160 49	8	White iron tower, red band; 44.	Visible 250°-186°.
1476 G 1762	Punta Lavapie.	37° 09.0' S 73° 35.1' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	187 57	8	White fiberglass tower, red band; 13.	Visible 055°-272°.
<b>LEBU:</b>							
1480 G 1758	-Punta Tucapel.	37° 35.9' S 73° 40.1' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	26 8	10	White fiberglass tower, red band; 13.	Visible 030°-305°.
1484 G 1756	Punta Morguilla.	37° 43.5' S 73° 39.8' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	98 30	8	White fiberglass tower, red band; 13.	Visible 328°-172°.
1486 G 1754	Tirua Inlet.	38° 20.2' S 73° 30.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	197 60	8	White fiberglass tower, red band, red rectangular daymark; 11.	Visible 055°-270°.
1487 G 1755	Caleta Quidico.	38° 14.2' S 73° 29.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	82 25	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 043°-270°.
<b>ISLA MOCHA:</b>							
1488 G 1752	-N. on Cerro Los Chinos.	38° 20.1' S 73° 56.8' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	220 67	14	White fiberglass tower, red band; 26.	Visible 014°-287°.
1490 G 1751	<b>-Mocha Weste.</b>	38° 22.0' S 73° 56.9' W	<b>Fl.W.</b> period 15s fl. 0.3s, ec. 14.7s	98 30	15	White cast iron cabin near tower, red band; 43.	Visible 021°-159°.
1492 G 1750	-Mocha Sur.	38° 25.0' S 73° 53.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	108 33	11	White fiberglass tower, red band; 26.	Visible 205°-063°.
1494	Roca en Barra.	39° 26.7' S 73° 12.6' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	16 5	3	PORT (B) G, pillar; 16.	
1495 G 1745.4	Barra Rio Lingue.	39° 26.8' S 73° 13.6' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	16 5	3	STARBOARD (B) R, pile; 13.	Visible 095°-268°.
1496 G 1747	Caleta Queule, on Punta Ronca.	39° 23.3' S 73° 14.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	171 52	6	White fiberglass tower, red band; 20.	Visible 065°-320°.
1497 G 1748.5	La Barra.	39° 23.1' S 73° 13.2' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	16 5	2	PORT (B) G, pillar; 17.	
1498 G 1748	Roca Queule.	39° 23.2' S 73° 13.1' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	13 4	2	PORT (B) G, pillar; 13.	
1499 G 1747.5	Punta Cuartel.	39° 23.2' S 73° 13.1' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	16 5	2	STARBOARD (B) R, pillar; 13.	

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<b>CHILE</b>							
1500 G 1744	Morro Bonifacio.	39° 41.6' S 73° 24.2' W	Fl.W. period 10s fl. 0.2s, ec. 9.8s	144 44	14	White concrete tower, red band; 13.	Visible 014°-208°.
BAHIA CORRAL:							
1504 G 1728	-Morro Niebla, E. side of entrance to bay.	39° 52.2' S 73° 24.1' W	Fl.W. period 10s fl. 0.3s, ec. 9.7s	171 52	17	White iron tower with cabin, red band; 33.	Visible 343°-210°.
1508 G 1730	-Roca el Conde, W. side of bay.	39° 52.1' S 73° 25.2' W	Fl.R. period 5s fl. 1s, ec. 4s	20 6	6	STARBOARD (B) R, pillar; 13.	Visible 147°-006°.
1516 G 1731	-Corral, Muelle Fiscal de Pasajeros, head.	39° 53.0' S 73° 25.5' W	Fl.(2)R. period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	23 7	6	STARBOARD (B) R, pillar; 13.	Visible 212°-307°.
1520 G 1736	-Isla Mancera, N. end.	39° 52.9' S 73° 23.5' W	Fl.(3)R. period 9s fl. 0.3s, ec. 1s fl. 0.3s, ec. 1s fl. 0.3s, ec. 6.1s	19 6	3	STARBOARD (B) R, pile; 7.	Visible 043°-309°.
1524 G 1736.4	-Muelle Isla Mancera.	39° 53.1' S 73° 23.2' W	Fl.R. period 3s fl. 0.3s, ec. 2.7s	26 8	3	STARBOARD (B) R, pillar; 13.	Visible 132°-341°.
1528 G 1737.4	-Muelle Niebla No. 2.	39° 52.3' S 73° 23.0' W	Fl.G. period 5s fl. 1s, ec. 4s	20 6	3	PORT (B) G, post; 13.	Visible 219°-086°.
1532 G 1726	Morro Gonzalo.	39° 51.2' S 73° 27.9' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	144 44	10	White four-sided concrete tower with cabin, red band; 13.	Visible 026°-272°.
1536 G 1724	<b>Punta Galera.</b>	40° 00.3' S 73° 42.1' W	Fl.W. period 12s fl. 0.4s, ec. 11.6s	141 43	15	White fiberglass tower, red band; 13.	Visible 326°-208°.
1538 G 1722	-Caleta Mansa, Punta Moquegua.	40° 35.3' S 73° 44.4' W	Fl.W. period 10s fl. 1s, ec. 9s	167 51	9	White fiberglass tower, red band; 13.	Visible 330°-236°.
1540 G 1720	Cabo Quedal.	40° 59.2' S 73° 56.4' W	Fl.W. period 15s fl. 1s, ec. 14s	269 82	14	White fiberglass tower, red band; 13.	Visible 356°-196°.
CANAL DE CHACAO:							
1544 G 1672	-Isla Dona Sebastiana, SE. point, front.	41° 44.7' S 73° 48.3' W	Fl.Y. period 5s fl. 1s, ec. 4s	72 22	14	SPECIAL Y, tower, "X" topmark; 13.	Visible 275°-295°.
1548 G 1672.1	--SW. point, about 1.3 km. 285°30' from front.	41° 44.5' S 73° 49.1' W	Fl.W. period 5s fl. 1s, ec. 4s	98 30	10	White fiberglass tower, red bands; 46.	Visible 225°-167°.
1552 G 1676	<b>-Punta Corona.</b>	41° 47.0' S 73° 52.8' W	Fl.W. period 10s fl. 0.2s, ec. 9.8s	216 66	32	White concrete tower with house, red bands; 31.	Visible 135°-342°. <b>Siren:</b> 1 bl. ev. 10s. (bl. 8s, si. 2s).
	-RACON		O(---) period 30s fl. 21s, ec. 9s	217 66	18		Azimuth coverage 130°-342°. (3 & 10cm).
1556 G 1678	-Pinta Ahui, W. side of entrance to Bahía de Ancud.	41° 49.7' S 73° 51.3' W	Fl.R. period 5s fl. 0.4s, ec. 4.6s	157 48	5	STARBOARD (B) R, tower; 13.	Visible 132°-036°.
1557 G 1678.3	-Muelle Rompeolas Ancud.	41° 52.0' S 73° 50.0' W	Fl.G. period 5s fl. 0.5s, ec. 4.5s	23 7	4	PORT (B) G, pile; 13.	Visible 087°-190°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1558 G 1678.5	-Rio Pudeto.	41° 51.7' S 73° 48.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	66 20	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 144°-349°.
1560 G 1675	-Bajo Colo Colo.	41° 45.2' S 73° 43.4' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	7	PORT (B) G, pile; 33.	Visible 273°-099°.
1562 G 1674.5	-Caleta Carelmapu.	41° 44.8' S 73° 42.4' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	10 3	3	STARBOARD (B) R, pillar; 10.	Visible 284°-000°.
1564 G 1674	-Punta Lenqui.	41° 45.3' S 73° 39.8' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	95 29	7	White fiberglass tower, red band; 16.	Visible 282°-116°.
1572 G 1671	-Punta San Gallan.	41° 47.8' S 73° 32.4' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	197 60	11	Two white concrete posts with two crossbars, red bands; 33.	Visible 083°-305°.
1574 G 1670.5	-Roca Remolinos.	41° 47.7' S 73° 31.3' W	<b>Fl.(2+1)R.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	26 8	4	PREFERRED CHANNEL (B) RGR, pillar; 26.	<b>Radar reflector.</b>
1576 G 1670	-Punta Barranco.	41° 47.5' S 73° 30.0' W	<b>Fl.W.</b> period 12s fl. 0.7s, ec. 11.3s	89 27	10	White fiberglass tower, red band; 26.	Visible 300°-122°.
1578 G 1668.6	-Punta Coronel.	41° 48.0' S 73° 28.8' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	30 9	7	PORT (B) G, tower; 18.	Visible 005°-056°. <b>Radar reflector.</b>
1580 G 1668	-Puerto Chacao Nuevo, ferry pier, head.	41° 49.8' S 73° 31.0' W	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	26 8	7	PORT (B) G, tower; 13.	Visible 162°-273°.
1584 G 1669	-Bahia Pargua, ferry pier, head.	41° 47.6' S 73° 27.6' W	<b>Fl.(2)G.</b> period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	33 10	8	PORT (B) G, post; 8.	
1585 G 1669.8	-Muelle Skretting.	41° 47.3' S 73° 26.7' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	42 13	10	White cylindrical iron pillar, red band; 20.	Visible 294°-062°.
1588 G 1666	<b>-Punta Tres Cruces.</b>	41° 49.9' S 73° 28.7' W	<b>Fl.W.</b> period 15s fl. 0.2s, ec. 14.8s	128 39	16	White fiberglass tower, red band; 26.	Visible 095°-004°.
1592 G 1682	Bajo Corvivo, Paso Quigua.	41° 50.2' S 73° 12.4' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 11	5	White fiberglass tower, red band, on three concrete pillars; 39.	
1593 G 1683	Bajo Chalin, Quihua Shoal.	41° 49.5' S 73° 12.2' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	4	PORT (B) G, tower; 26.	
SENO RELONCAVI:							
1596 G 1714	-Muelle Calbuco.	41° 46.2' S 73° 07.5' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	23 7	7	PORT (B) G, tower; 11.	Visible 177°-339°.
1600 G 1712	-Punta Metrencue, Canal Calbuco.	41° 43.8' S 73° 05.7' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	16 5	6	White fiberglass tower, red band; 13.	Visible 240°-030°.
1604 G 1710	-Paso Tautil.	41° 43.6' S 73° 03.3' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	39 12	4	PORT (B) G, tower; 39.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1608 G 1704	-Isla Mallina.	41° 39.5' S 72° 59.3' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	108 33	7	White fiberglass tower, red band; 20.	Visible 012°-270°.
1612 G 1696	-Punta Redonda.	41° 41.8' S 72° 53.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	12	White fiberglass tower, red band; 20.	Visible 168°-036°.
1613 G 1703.33	-Punta Anselmo.	41° 30.8' S 72° 59.8' W	<b>Fl.(2)G.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	13 4	2	PORT (B) G, post; 13.	
1615 G 1703.31	-Kochifas.	41° 30.1' S 72° 59.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	20 6	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 223°-034°.
1620 G 1702	-Costanera, E.	41° 28.8' S 72° 57.0' W	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	23 7	2	STARBOARD (B) R, pipe; 23.	
1624 G 1702.2	--Tenglo, E.	41° 28.9' S 72° 57.0' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	2	PORT (B) G, pipe; 16.	
1628 G 1702.3	--Costanera, W.	41° 28.9' S 72° 57.1' W	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	19 6	4	STARBOARD (B) R, pipe; 20.	
1632 G 1702.4	--Tenglo, W.	41° 28.9' S 72° 57.1' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	19 6	4	PORT (B) G, pipe; 20.	
1633 G 1703	--Canal Tenglo Range, front.	41° 29.5' S 72° 58.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	14	White fiberglass tower, red band, rectangular daymark; 11.	Visible 228°-336°.
1634 G 1703.1	---Rear, 20 meters 232° from front.	41° 29.6' S 72° 58.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	43 13	14	White fiberglass tower, red band, rectangular daymark; 11.	Visible 228°-336°.
1636 G 1700	--Malecon de Atraque.	41° 29.0' S 72° 57.3' W	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	31 9	4	STARBOARD (B) R, tower; 13.	Visible 217°-272°.
1638 G 1696.7	--Caleta Puelche.	41° 44.3' S 72° 38.8' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 055°-180°.
1638.2 G 1696.5	--Caleta La Arena.	41° 41.5' S 72° 38.5' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 042°-112°.
-Estuario de Reloncavi:							
1640 G 1697	--Rio Puelo.	41° 39.0' S 72° 20.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 052°-198°.
1644 G 1698	--Bahia Cochamo.	41° 29.0' S 72° 19.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	25 8	5	White fiberglass tower, red band; 11.	Visible 330°-115°.
GOLFO DE ANCUD:							
1652 G 1694	-Estero Quildaco, N. side of entrance.	41° 51.5' S 72° 47.8' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	79 24	6	White fiberglass tower, red band; 13.	Visible 053°-178°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1653	-Caleta Curamin.	41° 52.8' S 72° 49.3' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	16 5	2	White metal pile, red band; 12.	Visible 045°-154°.
1654 G 1706	-Bajo Huelmo.	41° 39.7' S 73° 02.5' W	<b>Fl.(2)G.</b> period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	26 8	5	PORT (B) GW, tower, topmark; 26.	Visible 177°-060°.
1656 G 1684	-Isla Tabon, near W. end.	41° 54.6' S 73° 08.8' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	240 73	10	White concrete tower, red band; 44.	Obscured 175°30'-183°30' and 190°-193°30'.
1658 G 1686	-Banco Amnistia.	41° 57.4' S 73° 07.1' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	20 6	7	ISOLATED DANGER BRB, pile; 20.	<b>Radar reflector.</b>
1660 G 1692	-Isla Queullin, Paso Queullin, on sandy spit extending from Punta Huin.	41° 52.5' S 72° 56.1' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	46 14	10	White cylindrical concrete tower, red band; 28.	Visible 326°-232°.
1662 G 1693.5	-Punta Trentelhue.	41° 54.1' S 72° 50.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	13 4	5	White fiberglass tower, red band, rectangular daymark; 10.	Visible 032°-210°.
1664 G 1693	-Banco San Jose.	41° 50.6' S 72° 55.1' W	<b>Fl.(2+1)R.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	43 13	6	PREFERRED CHANNEL (B) RGR, tower; 43.	
1666 G 1691.5	-Punta Huron.	41° 55.7' S 72° 51.2' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	171 52	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 240°-090°.
1667.5 G 1691	-Bajo Chauchil.	41° 58.4' S 72° 48.8' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	10 3	6	White cylindrical metal pillar, red band; 10.	Visible 314°-131°.
1668 G 1688	-Punta Gualaihue.	42° 01.8' S 72° 41.2' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	39 12	8	White fiberglass tower, red band; 13.	Visible 210°-140°.
1669 G 1689	-Punta Quebraolas.	42° 02.2' S 72° 38.5' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	66 20	6	White fiberglass tower, red band; 13.	Visible 305°-163°.
1672 G 1690	-Rio Negro.	41° 58.2' S 72° 28.4' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	23 7	9	White fiberglass tower, red band, rectangular daymark; 13.	Visible 280°-090°.
1675 G 1657	-Estero Huequi.	42° 14.6' S 72° 46.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	3	White metal pile, red band, daymark; 11.	Visible 060°-340°.
1676 G 1656	-Punta Chulao.	42° 17.9' S 72° 49.9' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	98 30	11	White concrete tower, red band; 33.	Visible 357°-220°.
1680 G 1652.2	-Caleta Ayacara.	42° 19.2' S 72° 47.3' W	<b>Fl.(3)R.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 8	5	STARBOARD (B) R, tower; 11.	Visible 010°-202°.
1684 G 1652	-Caleta Buill.	42° 25.2' S 72° 42.1' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	4	STARBOARD (B) R, tower; 11.	Visible 045°-119°.
1688 G 1651	-Poza de Chumilden.	42° 30.6' S 72° 48.4' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	121 37	7	White fiberglass tower, red band; 13.	Visible 020°-222°.
1692 G 1664	-Peninsula Guapilinao.	41° 57.1' S 73° 31.0' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	170 52	5	PORT (B) G, tower; 11.	Visible 012°-343°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1696 G 1662.5	-Morro Lobos, Isla Caucahue.	42° 06.4' S 73° 23.3' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	249 76	11	White fiberglass tower, red band; 13.	Visible 080°-087° and 090°- 345°.
1704 G 1662	-Quemchi, mole, head.	42° 08.7' S 73° 28.2' W	<b>Fl.(4)G.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	13 4	8	PORT (B) G, tower; 11.	
1705 G 1661.4	-Rocas Peligro.	42° 15.7' S 73° 17.9' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	4	STARBOARD (B) R, pile, topmark; 21.	
1706 G 1661	-Piedra Lilecura.	42° 16.1' S 73° 19.8' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	4	PORT (B) G, pile, topmark; 18.	
1708 G 1655	-Punta Tugnao.	42° 17.0' S 73° 03.2' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	40 12	11	White fiberglass tower, red band; 13.	Visible 160°-334°.
1712 G 1654	-Canal Anihue, Isla Mechuque.	42° 19.0' S 73° 16.3' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	29 9	5	PORT (B) G, tower; 13.	Visible 004°-073°.
1716 G 1653	-Punta Tenaun.	42° 20.3' S 73° 21.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	19 6	8	White fiberglass tower, red band; 13.	Visible 195°-071°.
1720 G 1647.5	-Rada Quetalco.	42° 20.2' S 73° 33.0' W	<b>Fl.G.</b> period 10s fl. 0.5s, ec. 9.5s	20 6	5	PORT (B) G, tower; 11.	Visible 294°-030°.
	-Canal Dalcahue:						
1724 G 1647	--Dalcahue, pier, root.	42° 22.8' S 73° 39.2' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	20 6	7	PORT (B) G, pile; 11.	
1728 G 1646	--Bunocoihue Point Range, front.	42° 23.0' S 73° 40.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	42 13	8	White fiberglass tower, red band; 13.	Visible 220°-045°.
1732 G 1646.1	---Rear, about 328 meters 339° from front.	42° 23.4' S 73° 40.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	72 22	10	White fiberglass tower, red band; 26.	Visible 329°-349°.
1736 G 1644	--Punta Chulequehue Range, front.	42° 26.0' S 73° 39.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	35 11	8	White fiberglass tower, red band; 13.	Visible 138°-226° and 262°- 320°.
1740 G 1644.1	---Rear, about 200 meters 159° from front.	42° 25.9' S 72° 38.9' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	105 32	10	White fiberglass tower, red band; 13.	Visible 149°-169°.
1744 G 1642	Curaco de Velez.	42° 26.1' S 73° 37.0' W	<b>Q.(9)W.</b> period 15s	30 9	5	W. CARDINAL YBY, tower; 28.	
1748 G 1647.7	Punta Palqui, NE. end of Isla Quinchao.	42° 24.6' S 73° 30.5' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	85 26	7	White fiberglass tower, red band; 13.	Visible 128°-048°.
1752 G 1648	-Achao, root of pier.	42° 28.2' S 73° 29.4' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	20 6	9	PORT (B) G, pillar; 11.	
1756 G 1649	Isla Tuequelin, E. end.	42° 27.8' S 73° 14.2' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	141 43	7	White fiberglass tower, red band; 13.	Visible 129°-358°.
1760 G 1640	Punta Aguantao.	42° 32.1' S 73° 34.6' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	7	White fiberglass tower, red band; 13.	Visible 179°-050°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1764 G 1636.5	Punta Animo.	42° 31.9' S 73° 46.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	5	White fiberglass tower, red band, rectangular daymark; 33.	Visible 247°-097°.
1768 G 1637	Punta Peuque, Isla de Chiloe.	42° 31.4' S 73° 47.1' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	3	STARBOARD (B) R, tower; 11.	Visible 018°-255°.
1776 G 1638	Puerto Castro.	42° 28.7' S 73° 45.5' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	7	STARBOARD (B) R, tower; 20.	<b>Aero Radiobeacon</b> 0.8 mile N.
1780 G 1636	Isla Linlinao.	42° 34.4' S 73° 44.8' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	125 38	8	White fiberglass tower, red band; 18.	Visible 172°-057°.
1784 G 1634	Isla de Chiloe, Chonchi, mole, head.	42° 37.1' S 73° 46.0' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	20 6	8	STARBOARD (B) R, pillar; 11.	
1788 G 1632	Islote Yal.	42° 39.5' S 73° 39.5' W	<b>Fl.G.</b> period 10s fl. 0.5s, ec. 9.5s	30 9	6	PORT (B) G, tower; 14.	
1792 G 1630	Isla Quehui, SW. point.	42° 38.8' S 73° 31.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	194 59	7	White concrete tower, red band; 18.	Visible 278°-174°.
1796 G 1631	-Huillo, E. side of entrance to Estero Pindo.	42° 37.1' S 73° 30.1' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	28 8	4	PORT (B) G, tower; 18.	Visible 095°-125°.
1798 G 1649.5	Caleta Cheguian.	42° 34.8' S 73° 24.1' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	16 5	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 356°-098°.
1800 G 1628	Isla Imelev.	42° 37.0' S 73° 24.1' W	<b>Fl.(2)W.R.</b> period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	170 52	W. 6 R. 4	White fiberglass tower, red band; 26.	W. 087°-198°, R.-232°, W.- 058°, R.-087°.
1804 G 1624	Isla Chaulinec, near SE. point.	42° 39.6' S 73° 14.5' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	82 25	13	White cylindrical concrete tower, red band; 25.	Visible 218°-087°.
1808 G 1625	Tres Redes.	42° 37.6' S 73° 17.9' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 093°-277°.
1812 G 1623.5	Isla Chulin.	42° 37.0' S 73° 03.9' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	33 10	7	White fiberglass tower, red band; 13.	Visible 315°-176°.
1816 G 1650	Punta Tengo.	42° 37.2' S 72° 51.1' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	23 7	8	White fiberglass tower, red band; 13.	Visible 005°-196°.
<b>GOLFO CORCOVADO:</b>							
1820 G 1623	-Roca Naranjo, off N. end of Isla Talcan.	42° 41.3' S 73° 00.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	21 6	2	White framework tower, red band; 10.	
1824 G 1622	-Punta Chana.	42° 46.2' S 72° 51.2' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 9	7	White concrete tower, red band; 13.	Visible 344°-180°.
1826 G 1621	-Punta Garcia.	42° 56.0' S 72° 48.5' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	16 5	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 117°-290°30'.
1828 G 1620	-Punta Piedra Blanca.	42° 54.7' S 72° 43.2' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	20 6	9	White fiberglass tower, red band; 13.	Visible 074°-122°.

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<b>CHILE</b>							
1836 G 1610	-Punta Chomio.	42° 53.0' S 73° 27.8' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	39 12	7	White fiberglass tower, red band; 26.	Visible 165°-032°.
1840 G 1611	-Punta Queilen.	42° 54.2' S 73° 29.1' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	5	PORT (B) G, tower; 13.	
1848 G 1613	-Islote Conejos.	42° 54.8' S 73° 35.6' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	46 14	6	ISOLATED DANGER BRB, tower; 18.	
1852 G 1606	-Isla Tranqui, on Punta Centinela.	43° 00.6' S 73° 19.5' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	105 32	7	White fiberglass tower, red band; 26.	Visible 141°-026°.
1856 G 1604	-Estero Huidad, on point, N. side of entrance.	43° 04.4' S 73° 30.8' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	41 12	6	STARBOARD (B) R, tower; 18.	Visible 231°-311°.
1868 G 1603	--Rampa Quellon.	43° 07.3' S 73° 37.3' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	33 10	8	PORT (B) G, pillar; 18.	
1872 G 1598	-Punta Direccion, Isla Cailin.	43° 10.4' S 73° 29.9' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	30 9	6	White cylindrical concrete tower, red band; 20.	Visible 216°-020°.
1874 G 1599	-Punta Yelcho.	43° 12.1' S 73° 35.3' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 8	6	White fiberglass tower, red band; 13.	Visible 300°-226°.
1876 G 1597	-Isla Mauchil.	43° 15.6' S 73° 40.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	16 5	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 356°-098°.
1880 G 1596	-Isla Laitec, S. extremity.	43° 16.3' S 73° 34.6' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	95 29	13	White fiberglass tower, red band; 26.	Visible 186°-090°.
1884 G 1590	<b>Islotes Queitao.</b>	43° 43.5' S 73° 29.8' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	423 129	14	White fiberglass tower, red band; 26.	
1888 G 1592	<b>Isla Guafo.</b>	43° 33.9' S 74° 50.0' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	472 144	19	White cylindrical iron tower, red band, attached dwelling; 26.	Visible 359°-235°.
	<b>RACON</b>		<b>G(- - •)</b> period 30s fl. 21s, ec. 9s	472 144	18		Azimuth coverage 359°-235°. (3 & 10cm).
1892 G 1589	Falsa Melinka, E. end of Isla Ascension	43° 52.7' S 73° 43.9' W	<b>Fl.W.</b> period 12s fl. 1s, ec. 11s	26 8	11	White fiberglass tower, red band; 13.	Visible 160°-010°.
1896 G 1588	Melinca.	43° 54.1' S 73° 44.7' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	3	STARBOARD (B) R, pillar; 16.	Visible 253°-105°.
<b>CANAL MORALEDA:</b>							
1900 G 1586	-Rada Palena.	43° 45.2' S 72° 57.0' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	5	PORT (B) GW, tower; 11.	Visible 345°-097°.
1904 G 1584	-Islote Locos.	43° 58.9' S 73° 27.2' W	<b>Fl.W.</b> period 15s fl. 0.7s, ec. 14.3s	148 45	10	White truncated conical concrete tower, red band; 33.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1908 G 1581	-Isla Mulchey.	44° 07.8' S 73° 26.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	7	White fiberglass tower, red bands; 13.	Visible 198°-012°.
1910 G 1583	-Isla Garrao Chico.	44° 18.6' S 73° 44.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 014°-171°.
1912 G 1582	-Roca Negra, Canal Perez Norte.	44° 06.2' S 73° 45.2' W	<b>Fl.(4)W.</b> period 18s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 2s fl. 0.3s, ec. 10.8s	16 5	5	White iron pile, daymark, red band; 10.	
1916 G 1580	-Isla El Gorro, N. end.	44° 18.2' S 73° 27.7' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	108 33	7	White fiberglass tower, red band; 13.	Visible 160°-006°.
	-Canal Jacaf:						
1917 G 1580.4	--Isla Vico.	44° 18.1' S 73° 16.7' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	43 13	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 041°-287°.
1917.2 G 1580.5	--Roca Chacabuco.	44° 16.3' S 73° 24.1' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	20 6	4	ISOLATED DANGER BRB, post; 26.	
1917.5 G 1580.7	--Roca Orestes.	44° 29.1' S 72° 43.5' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	16 5	5	White fiberglass tower, red band, rectangular daymark; 11.	
1920 G 1575.7	-Paso Galvarino.	44° 23.5' S 72° 36.4' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	52 16	6	White fiberglass tower, red band; 26.	Visible 168°-024°.
1922 G 1575.8	--N. end.	44° 22.7' S 72° 36.1' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	13 4	4	PORT (B) GW, tower; 11.	Visible 142°-357°.
1924 G 1578	-Penon Blanco.	44° 23.0' S 73° 32.3' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	24 7	7	White fiberglass tower, red band; 11.	
1926 G 1576.5	-Canal Perez Sur, Isla Brieva.	44° 37.2' S 73° 51.9' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	15 5	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 145°-340°.
1928 G 1577.5	-Punta Calqueman.	44° 38.3' S 73° 27.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	30 9	7	White fiberglass tower, red band; 13.	Visible 010°-212°.
1932 G 1577	-Cayo Blanco, N. side of entrance to Puerto Frances.	44° 46.9' S 73° 32.2' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	59 18	6	White truncated conical concrete tower, red band; 33.	
1934 G 1576.3	-Islote Cervantes.	44° 52.8' S 73° 42.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 083°-290°.
	-Canal Puyuguapi:						
1936 G 1575.2	--Isla San Andres.	44° 56.3' S 73° 19.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	33 10	6	White fiberglass tower, red band; 18.	Visible 278°-112°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1940 G 1575.3	--Islote Marta.	44° 49.6' S 72° 58.1' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	20 6	5	Cylindrical pipe, white concrete base, red band; 13.	Visible 221°-043°.
1944 G 1575.5	--Puerto Cisnes.	44° 43.3' S 72° 42.0' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	30 9	3	PORT (B) G, tower; 13.	Visible 298°-158°.
1948 G 1576	-Isla Tuap.	44° 55.9' S 73° 31.1' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	39 12	6	White fiberglass tower, red band; 13.	Visible 029°-234°.
1952 G 1574	-Islote Eugenia.	44° 59.0' S 73° 28.6' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	23 7	6	White fiberglass tower, red band; 13.	Visible 159°-017°.
1956 G 1575	-Islote El Morro.	45° 08.6' S 73° 37.5' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	230 70	13	White truncated conical concrete tower, red band; 23.	
1960 G 1573.5	-Islote Precaucion.	45° 09.3' S 73° 29.9' W	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	39 12	7	STARBOARD (B) R, tower; 13.	Visible 010°-231°.
1962 G 1573.4	-Roca West.	45° 12.8' S 73° 31.7' W	<b>Fl.(2)G.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	15 5	6	PORT (B) GW, tower; 11.	
1964 G 1573.3	-Islote Boina.	45° 12.9' S 73° 31.2' W	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	59 18	5	STARBOARD (B) R, tower; 20.	Visible 342°-201°.
1968 G 1568.8	-Islote Santa Maria.	45° 19.6' S 73° 41.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	25 8	6	White fiberglass tower, red band; 13.	Visible 107°-012°.
1970 G 1573	Isla Colorada.	45° 20.6' S 73° 21.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	20 6	8	White fiberglass tower, red band, rectangular daymark; 11.	Visible 296°-216°.
CANAL PILCOMAYO:							
1972 G 1571	-Isla Carvallo, S. end.	45° 16.3' S 73° 27.9' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	6	White fiberglass tower, red band; 20.	Visible 346°-154°.
1976 G 1571.5	-Punta Elisa, NE. side of Island.	45° 17.9' S 73° 19.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	7	White fiberglass tower, red band, daymark; 11.	Visible 095°-274°.
SENO AISEN:							
1980 G 1571.7	-Caleta Bluff, N. side of bay.	45° 28.1' S 72° 52.0' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	56 17	8	White fiberglass tower, red band; 18.	Visible 076°-237°.
1982 G 1572.6	-Puerto Chacabuco, SE. Range, front.	45° 28.3' S 72° 49.1' W	<b>Fl.(4)R.</b> period 12s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 5.6s	39 12	3	STARBOARD (B) R, tower; 26.	Visible 060°-180°.
1982.1 G 1572.61	--Rear, 141° from front.	45° 28.3' S 72° 49.1' W	<b>Fl.(4)R.</b> period 12s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 5.6s	69 21	3	STARBOARD (B) R, tower; 26.	Visible 060°-180°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
1982.2 G 1572.55	--Ferry Terminal D Range, front.	45° 28.2' S 72° 49.1' W	<b>F.R.</b>	43 13	4	Cylindrical iron post, red triangular daymark point up, yellow stripe; 41.	Visible 060°-180°.
1982.3 G 1572.551	---Rear, 43.5 meters 124° from front.	45° 28.2' S 72° 49.0' W	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	63 19	4	Metal base, red triangular daymark point down, yellow stripe; 23.	Visible 060°-180°.
1982.4 G 1572.4	--NE. Range, front.	45° 28.0' S 72° 49.2' W	<b>Fl.(3)G.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	72 22	5	White metal pillar, orange band, white triangular daymark point up, orange stripe; 62.	Visible 013°-123°. Two range beacons in line 051°, Fl.(3)R. 9s, 140 meters SW.
1982.5 G 1572.41	---Rear, 30 meters 053° from front.	45° 28.0' S 72° 49.1' W	<b>Fl.(3)G.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	82 25	5	White metal pillar, orange band, white triangular daymark point up, orange stripe; 20.	Visible 013°-123°.
<b>CANAL ERRAZURIZ:</b>							
1988 G 1570.5	-Islote Errazuriz.	45° 32.0' S 73° 48.7' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	23 7	6	White fiberglass tower, red band; 20.	Visible 201°-031°.
1992 G 1570	-Islote Diego.	45° 40.1' S 73° 51.7' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	33 10	7	White fiberglass tower, red band; 18.	Visible 191°-033°.
1996 G 1570.6	-Isla Raimapu.	45° 48.6' S 73° 34.8' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	29 9	11	White fiberglass tower, red band; 13.	Visible 223°-083°.
2000 G 1570.65	-Islote Los Mogotes.	45° 56.9' S 73° 38.7' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	4	PORT (B) G, tower; 13.	Visible 145°-060°.
<b>CANAL DARWIN:</b>							
2004 G 1569	-Isla Mitahues.	45° 24.7' S 73° 44.6' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	174 53	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 230°-096°30'.
2008 G 1568.5	-Islote del Pangal.	45° 27.0' S 73° 49.6' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	20 6	6	White fiberglass tower, red band; 13.	Visible 050°-250°.
2012 G 1568.3	-Punta Mayhew.	45° 27.2' S 73° 54.3' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	13 4	5	PORT (B) G, tower; 6.	Visible 265°-124°.
2014 G 1568.2	-Islote Maipo.	45° 27.0' S 73° 55.4' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	16 5	5	STARBOARD (B) R, tower; 13.	Visible 128°-348°.
2016 G 1568	-Isla Quemada, Canal Darwin, W. end	45° 25.2' S 74° 01.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	5	White truncated conical concrete tower, red band; 20.	Visible 284°-111°.
2020 G 1567	-Punta Quilan.	45° 23.6' S 74° 07.6' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 8	5	White fiberglass tower, red band; 13.	Visible 064°-297°.
2024 G 1565	-Roca Pajaros.	45° 24.0' S 74° 10.6' W	<b>Fl.(2+1)R.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	26 8	6	PREFERRED CHANNEL (B) RGR, tower; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2028 G 1564.5	-Isla Isquiliac.	45° 25.6' S 74° 20.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	23 7	10	White fiberglass tower, red band; 13.	Visible 274°-120°.
2032 G 1564	<b>-Isla Auchilu.</b>	45° 20.6' S 74° 34.7' W	<b>Fl.W.</b> period 15s fl. 0.3s, ec. 14.7s	230 70	15	White truncated conical concrete tower, red band; 33.	Visible 210°-090°.
2036 G 1563	Isla Inchemo.	45° 48.4' S 74° 58.4' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	105 32	14	White concrete tower, red band; 13.	Visible 231°-118°.
	RACON		<b>M(- -)</b> period 60s	118 36	18		(3 & 10cm).
2037 G 1563.5	Isla Ricardo.	45° 49.4' S 74° 28.2' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	23 7	4	White fiberglass tower, red band; 13.	Visible 055°-219°.
2037.5 G 1563.7	Isla Lucia.	45° 41.9' S 74° 08.2' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	16 5	5	PORT (B) G, tower; 13.	Visible 284°-108°.
2038 G 1563.6	Punta Morro.	45° 46.5' S 74° 20.1' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 8	4	White fiberglass tower, red band, rectangular daymark; 11.	Visible 090°-300°.
2038.5 G 1563.8	Punta Urizar.	45° 41.4' S 74° 16.2' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	18 5	5	White fiberglass tower, red band; 13.	Visible 280°-080°.
2039 G 1563.3	Isla Centro.	45° 47.2' S 74° 40.5' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 258°-119°.
2040 G 1562	<b>Cabo Raper.</b>	46° 48.3' S 75° 38.2' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	200 61	18	White cylindrical concrete tower with house, red band; 46.	Visible 331°-175°.
2041 G 1563.2	Isla Direccion.	45° 49.0' S 74° 46.3' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	33 10	5	White fiberglass tower, red band, rectangular daymark; 11.	Visible 060°-283°.
2043 G 1558.49	-Punta Piedras.	49° 14.6' S 75° 28.1' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	59 18	14	White fiberglass tower, red band; 13.	Visible 245°-080°.
	-RACON		<b>O(- - -)</b> period 60s fl. 15s, ec. 45s	59 18	18		(3 & 10cm).
	CANAL MESSIER:						
2044 G 1558	<b>-Isla San Pedro.</b>	47° 41.9' S 74° 51.9' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	115 35	16	White fiberglass tower, red band; 13.	Visible 124°-328°. <b>Aero Radiobeacon</b> 300 meters N.
2048 G 1557	-Isla Penguin, NE. point of island.	47° 47.5' S 74° 46.4' W	<b>Fl.W.</b> period 12s fl. 0.7s, ec. 11.3s	53 16	10	White fiberglass tower, red band; 13.	Visible 139°-340°.
	CANAL BAKER:						
2049 G 1560.5	-Punta Elena.	47° 58.0' S 73° 47.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 348°-143°.
2049.5 G 1558.5	-Punta Esmeralda.	47° 51.8' S 73° 46.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	33 10	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 340°-135°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2050 G 1559	Tortel Inlet	47° 50.8' S 73° 35.4' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	118 36	5	PORT (B) GW, tower; 11.	
2051 G 1560	Punta Stean.	47° 55.0' S 74° 30.5' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	20 6	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 187°-045°.
2052 G 1556	-Isla Millar, E. side.	47° 58.3' S 74° 40.6' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	33 10	7	White fiberglass tower, red band; 13.	Visible 162°-342°.
2053 G 1560.2	-Punta Stony.	48° 01.4' S 74° 20.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 129°-227°.
2054 G 1560.4	-Punta Laura.	48° 03.3' S 73° 53.4' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	4	White fiberglass tower, red band, rectangular daymark; 11.	Visible 108°-319°.
<b>CANAL FALLOS</b>							
2055 G 1558.45	-Islotes Campino.	47° 57.3' S 75° 15.9' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	49 15	10	White fiberglass tower, red band; 13.	
	-RACON		<b>T(-)</b> period 30s	49 15	18		(3 & 10cm).
2056 G 1555	-Morro Cock.	48° 15.3' S 74° 32.8' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	46 14	8	White fiberglass tower, red band; 26.	Visible 356°-164°.
2060 G 1554	-Isla Middle, W. extremity.	48° 28.7' S 74° 28.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	66 20	8	White fiberglass tower, red band; 13.	Visible 332°-185°.
2064 G 1553	-Islote Direccion.	48° 40.4' S 74° 24.2' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	98 30	9	White cylindrical concrete tower, red band; 33.	
2068 G 1552	-Bajo Cotopaxi.	48° 44.8' S 74° 25.8' W	<b>Fl.(2)G.</b> period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	66 20	6	Green truncated pyramidal metal tower on the wreck Capitan Leonidas; 8.	<b>Radar reflector.</b>
2072 G 1550	-Isla Williams.	48° 45.2' S 74° 21.9' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	14 4	6	PORT (B) G, tower; 13.	Visible 230°-097°.
2076 G 1548	-Isla Daly.	48° 51.5' S 74° 26.9' W	<b>Fl.(4)W.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	36 11	8	White fiberglass tower, red band; 26.	Visible 188°-335°.
2077 G 1547.52	-Punta Oldenburg.	48° 39.2' S 74° 41.0' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	16 5	4	PORT (B) G, tower; 11.	Visible 091°-300°.
2078 G 1547.51	-Punta Millanga.	48° 42.7' S 74° 34.6' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	4	PORT (B) G, tower; 11.	Visible 141°-327°.
2079 G 1547.5	-Cabo Nelson.	48° 40.5' S 74° 27.5' W	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	26 8	4	STARBOARD (B) R, tower; 11.	Visible 234°-065°.
2080 G 1547	-Bahia Liberta, Puerto Gray.	48° 55.1' S 74° 19.5' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	92 28	8	White fiberglass tower, red band; 20.	Visible 024°-334°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2084 G 1546.3	-Islote Eden.	49° 07.9' S 74° 25.0' W	<b>Fl.(2+1)R.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	82 25		2 PREFERRED CHANNEL (B) RGR, tower; 20.	
2086 G 1546.8	-Roca Pascua.	49° 06.3' S 74° 22.6' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	23 7		5 STARBOARD (B) R, pile; 21.	<b>Radar reflector.</b>
2087 G 1546.7	-Bajo Capac.	49° 06.7' S 74° 22.7' W	<b>Fl.(2)G.</b> period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	20 6		5 PORT (B) G, tower; 20.	<b>Radar reflector.</b>
2088 G 1546	-Isla Carlos.	49° 09.0' S 74° 24.3' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	21 6		6 White fiberglass tower, red band; 13.	Visible 226°-137°.
2092 G 1545	-Islotes Guia.	49° 10.1' S 74° 21.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	23 7		7 White fiberglass tower, red band; 13.	
2096 G 1544	-Islote Bouquet.	49° 14.8' S 74° 22.1' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	29 9		5 PORT (B) G, tower; 20.	
2100 G 1542	-Isla Crossover.	49° 16.9' S 74° 22.5' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 11		6 White fiberglass tower, red band; 20.	Visible 192°-359°.
2104 G 1541	-Isla Foot.	49° 22.7' S 74° 23.9' W	<b>Fl.W.</b> period 5s fl. 0.7s, ec. 4.3s	36 11		9 White fiberglass tower, red band; 20.	Visible 003°-211°.
<b>CANAL GRAPPLER:</b>							
2108 G 1540	-Punta Hayman, Isla Saumarez, N. end of Canal Grappler.	49° 24.7' S 74° 22.8' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 10		7 White concrete tower, red band; 20.	Visible 135°-323°.
2112 G 1539	Canal Grappler.	49° 26.6' S 74° 18.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	52 16		6 White fiberglass tower, red band; 18.	Visible 328°-123°.
2116 G 1538	-Cerro Colorado (Red Cape), S. end of Canal Grappler.	49° 32.0' S 74° 13.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9		7 White concrete tower, red band; 20.	Visible 338°-36°-146°.
<b>CANAL WIDE:</b>							
2120 G 1536	-Isla Mason, S. end of Canal Icy, Canal Wide.	49° 38.8' S 74° 20.5' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	82 25		10 White octagonal concrete tower, red band; 31.	Visible 198°-066°.
2124 G 1535	-Punta Cameron.	49° 54.1' S 74° 24.4' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	20 6		10 White fiberglass tower, red band; 13.	Visible 187°-032°.
2128 G 1534.7	-Punta Sunbeam.	50° 04.6' S 74° 39.6' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	33 10		5 White fiberglass tower, red band; 20.	Visible 106°-333°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2132 G 1534.8	-Punta Squire.	50° 05.7' S 74° 36.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	29 9	7	White fiberglass tower, red band; 20.	Visible 039°-218°.
2134 G 1534.5	Cabo Primero.	49° 50.8' S 75° 36.7' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	52 16	9	White fiberglass tower, red band; 13.	Visible 270°-167°.
	RACON		<b>O(---)</b> period 30s fl. 9s, ec. 21s	52 16	15		Azimuth coverage 270°-114°. (3 & 10cm).
CANAL TRINIDAD:							
2136 G 1534.3	-Isla Hernando.	50° 00.4' S 75° 04.4' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 9	7	White fiberglass tower, red band; 20.	Visible 117°-280°.
2140 G 1534.4	Tudor, S. side of Canal Trinidad.	50° 00.1' S 75° 22.1' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	105 32	14	White fiberglass tower, red band; 13.	Visible 074°-152° and 167°- 261°. <b>AIS</b> (MMSI No 997251001). <b>Radar reflector.</b>
	RACON		<b>T(-)</b> period 60s fl. 15s, ec. 45s	118 36	18		(3 & 10cm).
2144 G 1534.2	Isla Medio, Canal Trinidad.	50° 05.8' S 74° 48.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	39 12	5	White fiberglass tower, red band; 13.	Visible 313°-188°.
CANAL CONCEPCION:							
2148 G 1534	-Isla Stratford, W. side of Estrecho de Concepcion.	50° 11.8' S 74° 47.8' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	82 25	7	White octagonal concrete tower, red band; 31.	Visible 220°-055°.
2152 G 1533	-Punta San Miquel, S. extremity of Isla Drummond Hay.	50° 17.7' S 74° 52.8' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	20 6	8	White fiberglass tower; red band; 13.	Visible 248°-162°.
-West Canal:							
2156 G 1531.5	--Islote Bascunan, in Fiordo Eleuterio.	50° 21.6' S 75° 17.3' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	27 8	7	White fiberglass tower, red band; 13.	Visible 240°-095°.
2160 G 1531	--Islote Metalero, E. side of entrance to Fiordo Contreras.	50° 26.7' S 75° 21.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	59 18	8	White fiberglass tower, red band; 13.	Visible 247°-214°.
2162 G 1530.6	--Islote Guia.	50° 28.5' S 75° 16.7' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	6	PORT (B) G., tower; 13.	Visible 238°-149°.
2164 G 1530.3	--Isla Duque de York, Punta Anunciada.	50° 29.9' S 75° 04.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	10	White fiberglass tower, red band; 18.	Visible 096°-283°.
2168 G 1530	Isla Inocentes, E. side.	50° 32.9' S 74° 50.4' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	105 32	9	White concrete tower, red band; 33.	Visible 142°-348°.
2172 G 1529	Islotes Wheeler.	50° 33.9' S 74° 44.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	26 8	6	White fiberglass tower, red band; 20.	Visible 330°-160°.
2176 G 1528	Punta Don.	50° 40.1' S 74° 37.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	7	White fiberglass tower, red band; 20.	Visible 325°-150°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
ANGOSTURA GUIA:							
2180 G 1526	-Punta Porpoise.	50° 44.3' S 74° 31.1' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	52 16	6	PORT (B) GW, tower; 33.	Visible 120°-320°.
2184 G 1527	-Isla Guard.	50° 44.2' S 74° 30.7' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	6	STARBOARD (B) WRW, tower; 13.	Visible 307°-127°.
2188 G 1524	-Isla Escala Alta, N. point of island.	50° 46.3' S 74° 25.7' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	43 13	7	White octagonal concrete tower, red band; 13.	Visible 116°-327°.
CANAL ESTEBAN							
2190 G 1523	-Isla Don Canales.	50° 52.0' S 74° 21.0' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	18 6	10	White fiberglass tower, red band; 13.	Visible 032°-241°.
CANAL SARMIENTO:							
2192 G 1520	-Isla Bonduca.	50° 55.4' S 74° 17.0' W	<b>Fl.W.</b> period 12s fl. 0.7s, ec. 11.3s	89 27	10	White cylindrical concrete tower, red band; 33.	Visible 315°-170°.
2196 G 1518	-Puerto Bueno, Islote Pounds.	50° 59.6' S 74° 13.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	59 18	6	White fiberglass tower, red band; 20.	Obscured by Hoskins Island 144°-156°.
2200 G 1517	-Punta San Marcos.	51° 03.2' S 74° 12.4' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	6	White fiberglass tower, red band; 13.	Visible 321°-161°.
2204 G 1516	-Punta Plumper, Isla Lucia.	51° 09.4' S 74° 09.7' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	36 11	9	White concrete tower, red band; 20.	Visible 340°-168°.
2206 G 1516.5	Isla Del Medio.	51° 17.0' S 74° 21.7' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	26 8	9	White fiberglass tower, red band; 20.	Visible 209°-056°.
2208 G 1514	-Punta Don Pedro, Isla Vancouver.	51° 24.8' S 74° 04.9' W	<b>Fl.W.</b> period 15s fl. 0.7s, ec. 14.3s	75 23	10	White concrete tower, red band; 20.	Visible 171°-342°.
2212 G 1509	-Isla Piazzì.	51° 39.7' S 73° 59.4' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	52 16	10	White fiberglass tower, red band; 20.	Visible 165°-354°.
2216 G 1508.5	-Cabo Gracias, Isla Carrington, W. side.	51° 42.2' S 73° 55.3' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	39 12	8	White fiberglass tower, red band; 13.	Visible 336°-154°.
2220 G 1508	Bahia Gregg.	51° 49.4' S 73° 50.6' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	43 13	7	White octagonal concrete tower, red band; 33.	Visible 150°-000°.
ESTRECHO COLLINGWOOD:							
2224 G 1506	-Isla Quena.	51° 48.8' S 73° 41.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	9	White fiberglass tower, red band; 26.	Visible 300°-180°.
2228 G 1507	-Punta Redfern, Isla Newton.	51° 50.4' S 73° 44.1' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	27 8	6	White fiberglass tower, red band; 13.	Visible 140°-335°.



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2232 G 1504.2	-Arrecife Cloyne.	51° 59.3' S 73° 41.1' W	<b>Fl.(2)G.</b> period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	20 6	6	PORT (B) G, pillar; 16.	
2236 G 1504	-Punta Cork, Isla Brinkley.	51° 59.0' S 73° 41.0' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	42 13	8	White hexagonal concrete tower, red band; 33.	Visible 335°-204°.
2240 G 1504.5	-Roca Bessel.	52° 00.4' S 73° 40.4' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	28 9	4	STARBOARD (B) R, tower; 13.	
SENO ULTIMA ESPERANZA:							
2244 G 1502	-Islote Cisnes.	51° 45.9' S 72° 30.6' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	5	PORT (B) G, pillar; 20.	
CANAL SMYTH:							
2252 G 1496	-Promontorio Stanley.	52° 04.1' S 73° 43.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	43 13	6	White octagonal concrete tower, red band; 20.	Visible 332°-180°.
2254 G 1495.5	Arriagada Islands.	52° 02.2' S 73° 33.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	28 8	8	White fiberglass tower, red band; 13.	Visible 344°-151°.
2256 G 1495	Islotes Thomson.	52° 07.9' S 73° 33.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	34 10	7	White fiberglass tower, red band; 13.	
2260 G 1503.5	-Isla Jaime.	52° 11.0' S 73° 17.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	39 12	9	White fiberglass pillar, red band; 13.	Visible 125°-267°.
2262 G 1503	Cabo Grey.	52° 07.3' S 73° 13.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 9	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 276°-098°.
2264 G 1494	-Isla Cutler, S. end.	52° 15.0' S 73° 38.4' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	49 15	5	White fiberglass tower, red band; 26.	Visible 181°-034°.
2268 G 1493	-Islote Hozven.	52° 16.5' S 73° 40.7' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	23 7	6	White fiberglass tower, red band; 13.	Visible 185°-036°.
2276 G 1492	-Islote Bradbury.	52° 21.2' S 73° 37.4' W	<b>Q.(9)W.</b> period 15s	26 8	8	W. CARDINAL YBY, tower; 13.	
2280 G 1491.5	-Islote Pollo.	52° 22.9' S 73° 41.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	46 14	7	White fiberglass tower, red band; 26.	
2288 G 1490	-Roca Pearse.	52° 30.5' S 73° 37.1' W	<b>Fl.(3)R.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	STARBOARD (B) R, tower; 12.	
2289 G 1490.5	-Roca Alert.	52° 29.8' S 73° 37.2' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	20 6	6	ISOLATED DANGER BRB, tower; 11.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2292 G 1488	-Punta George, Isla Richards.	52° 31.7' S 73° 37.4' W	<b>Fl.(4)G.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 8	6	PORT (B) G, tower; 13.	Visible 168°-024°.
2293 G 1487	-Islotes Adelaide, W. side.	52° 32.0' S 73° 36.8' W	<b>Fl.(4)R.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	3	STARBOARD (B) R, tower; 13.	Visible 039°-222°.
2296 G 1486	-Isla Shoal, W. side.	52° 32.9' S 73° 38.1' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	29 9	7	STARBOARD (B) R, tower; 13.	Visible 348°-209°.
2297 G 1486.5	-Islotes Evans, E. side.	52° 32.6' S 73° 39.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	5	White fiberglass tower, red band; 13.	Visible 237°-084°.
2298 G 1485	-Promontorio Sivel, W. side.	52° 33.5' S 73° 36.9' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	23 7	5	White four-sided concrete tower, red band; 14.	Visible 290°-122°.
2300 G 1484	-Punta Buckley.	52° 34.1' S 73° 38.0' W	<b>Fl.(2)G.</b> period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	20 6	6	PORT (B) G, tower; 13.	Visible 167°-020°.
2304 G 1483	-Islote Green, E extremity.	52° 36.1' S 73° 40.6' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	38 12	8	White fiberglass tower, red band; 26.	Visible 164°-045°.
2308 G 1482.5	-Cabo Walker.	52° 37.4' S 73° 40.2' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	39 12	7	White fiberglass tower, red band; 13.	Visible 035°-188°.
2312 G 1482	-Islote Lautaro.	52° 42.8' S 73° 46.8' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	20 6	6	PORT (B) G, tower; 13.	Visible 225°-037°.
2316 G 1481	-Islote Oscar.	52° 43.7' S 73° 43.8' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	3	STARBOARD (B) R, tower; 20.	Visible 035°-198°.
2320 G 1480	<b>-Islote Fairway.</b>	52° 43.9' S 73° 46.9' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	128 39	19	White hexagonal concrete tower with house, red band; 18.	Obscured 266°-268°.
2322 G 1480.5	-Isla Boston.	52° 46.9' S 73° 46.5' W	<b>Fl.R.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	6	STARBOARD (B) R, tower; 11.	Visible 070°-209°.
2324 G 1498	<b>Islotes Evangelistas.</b>	52° 23.3' S 75° 05.8' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	190 58	30	White steel tower on red concrete structure with white house; 43.	Obscured by islands 186°- 194°, 250°-260°, 312°-30'-318°.
	RACON		<b>N(- •)</b> period 60s fl. 15s, ec. 45s	197 60	15		Azimuth coverage 358°-116°. (3 & 10cm).
ESTRECHO DE MAGALLANES (STRAIT OF MAGELLAN):							
2328 G 1478	<b>-Bahia Felix.</b>	52° 57.6' S 74° 04.1' W	<b>Fl.W.</b> period 15s fl. 0.2s, ec. 14.8s	98 30	21	White iron tower, red and white bands, white house; 46.	Visible 122°-294°.
2330 G 1477	-Isla Falgate.	52° 54.9' S 73° 49.8' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	72 22	9	White fiberglass tower, red band; 13.	Visible 296°-167°.
	-RACON		<b>T(-)</b> period 30s fl. 21s, ec. 9s	66 20	15		Azimuth coverage 296°-167°. (3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2332 G 1476	-Isla Centinela, off Cabo Upright.	53° 05.1' S 73° 35.1' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	72 22	10	White concrete tower, red band; 20.	Visible 111°-037°.
2336 G 1474	-Cabo Cooper Key.	53° 15.1' S 73° 11.9' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	134 41	7	White fiberglass tower, red bands; 13.	Visible 312°-135°.
2340 G 1468	-Monte Radford.	53° 24.6' S 72° 57.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	69 21	8	White round concrete tower, red band; 10.	Visible 124°-309°.
2342 G 1467.5	-Islote Skinner.	53° 25.4' S 72° 49.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	16 5	7	White fiberglass tower, red band; 11.	Visible 300°-131°.
2345 G 1466.8	-Paso Largo.	53° 33.1' S 72° 36.5' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	26 8	9	White fiberglass tower, red band; 13.	Visible 129°-158° and 222°-312°.
	-RACON		<b>T(-)</b> period 60s fl. 45s, ec. 15s	26 8	10		Azimuth coverage 133°-285°. (3 & 10cm).
2348 G 1466	-Cerro El Morrin.	53° 33.9' S 72° 31.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	85 26	9	White fiberglass tower, red band; 13.	Visible 092°-288°.
2352 G 1460	-Cabo Crosstide.	53° 33.7' S 72° 25.2' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	92 28	5	PORT (B) G, pillar; 11.	Visible 083°-264°.
	-Canal Jeronimo:						
2353 G 1456.2	--Punta San Carlos.	53° 30.3' S 72° 23.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	7	White fiberglass tower, red band, triangular daymark; 11.	Visible 298°-144°.
2353.2 G 1456.4	--Islotes Teran.	53° 25.1' S 72° 28.9' W	<b>Fl.(4)R.</b> period 12s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 5.7s	26 8	3	STARBOARD (B) R, tower; 11.	Visible 326°-151°.
2353.4 G 1456.6	--Punta Condor.	53° 21.6' S 72° 30.5' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	23 7	7	White fiberglass tower, red band; 13.	Visible 177°-050°.
2353.6 G 1457	--Isla Corona.	53° 14.8' S 72° 21.9' W	<b>Q.(6)+L.Fl.W.</b> period 15s	26 8	8	S. CARDINAL YB, tower; 11.	Visible 211°-090°.
2353.8 G 1456.8	--Isla Pan de Azucar.	53° 15.7' S 72° 21.9' W	<b>Fl.(2+1)R.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	49 15	4	PREFERRED CHANNEL (B) R, pillar, topmark; 11.	Visible 035°-221°.
	-Seno Otway:						
2354 G 1458	--Isla Vivian.	53° 08.0' S 71° 50.5' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	49 15	9	White fiberglass tower, red band; 26.	Visible 182°-157°.
2355 G 1458.1	--Otway Terminal.	52° 55.2' S 71° 42.0' W	<b>Q.W.</b>	121 37	12	Iron tower, white rectangular daymark, red band; 40.	Visible 246°-019°.
2355.4 G 1456.3	-Ensenada Demarcacion.	53° 26.3' S 72° 29.0' W	<b>Fl.(3)G.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	19 6	3	PORT (B) G, tower; 11.	Visible 151°-326°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2356 G 1456	-Islote Cohorn, Paso Ingles.	53° 33.1' S 72° 20.2' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	40 12	8	White fiberglass tower, red band; 26.	Visible 317°-127°.
	-RACON		O(---) period 60s fl. 45s, ec. 15s	26 8	12		Azimuth coverage 317°-127°. (3 & 10cm).
2360 G 1454	-Isla Rupert, Paso Ingles, NE. side.	53° 39.4' S 72° 12.5' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	82 25	7	White fiberglass tower, red band; 26.	Visible 135°-315°.
2364 G 1450	--Bahia Fortescue.	53° 42.2' S 72° 01.5' W	Fl.(3)W. period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	62 19	6	White fiberglass tower, red band; 13.	Visible 240°-070°.
CANAL BRECKNOCK:							
2365 G 1334.8	-Peninsula Brecknock.	54° 37.5' S 71° 45.7' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	59 18	8	White fiberglass tower, red band; 26.	Visible 255°-050°.
2366 G 1335.2	-Isla London.	54° 38.0' S 71° 59.3' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	23 7	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 134°-313°.
2367 G 1335	-Islotes Nelson.	54° 40.0' S 71° 53.2' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	26 8	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 243°-136°.
2368 G 1449	-Cabo Holland.	53° 47.8' S 71° 41.9' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	26 8	7	White fiberglass pillar, red band; 16.	Visible 307°-113°.
2372 G 1448	-Cabo Froward.	53° 53.6' S 71° 18.7' W	Fl.W. period 3s fl. 0.3s, ec. 2.7s	72 22	7	White fiberglass tower, red band; 13.	Visible 276°-126°.
2373 G 1447.33	--Punta Cono.	54° 07.1' S 70° 50.5' W	Fl.R. period 5s fl. 1s, ec. 4s	164 50	6	STARBOARD (B) WRW, pillar; 13.	Visible 000°-162°.
-Canal Gabriel:							
2374 G 1447.37	--Cabo Expectacion.	54° 14.2' S 70° 12.9' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	115 35	10	White metal pillar, red band; 13.	Visible 124°-336°.
2376 G 1447	-Canal Magdalena, Islotes Anxious.	54° 07.0' S 70° 56.0' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	33 10	10	White fiberglass tower, red band, triangular daymark; 11.	Visible 346°-194°.
2380 G 1446	-Cabo San Isidro.	53° 47.0' S 70° 58.5' W	Fl.W. period 5s fl. 0.4s, ec. 4.6s	92 28	9	White cylindrical concrete tower, white dwelling; 26.	Visible 208°-046°.
2384 G 1444	-Punta Santa Ana, Puerto del Hambre.	53° 37.8' S 70° 54.9' W	Fl.W. period 10s fl. 0.5s, ec. 9.5s	131 40	10	White four-sided concrete tower, red band; 16.	Visible 151°-094°.
2384.1 G 1447.2	-Ite Cenaria.	54° 18.0' S 70° 56.3' W	Fl.(2)W. period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	46 14	4	ISOLATED DANGER BRB, tower; 11.	
2384.2 G 1447.3	-Punta Piramide.	54° 26.1' S 71° 07.3' W	Fl.(3)W. period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	30 9	6	White fiberglass tower, red horizontal band, rectangular daymark; 11.	Visible 113°-278°.
2384.8 G 1447.25	-Punta Pajarito.	54° 21.2' S 70° 54.7' W	Fl.W. period 12s fl. 0.5s, ec. 11.5s	36 11	8	White fiberglass tower, red band; 26.	Visible 043°-228°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2385 G 1447.4	-Isla King.	54° 22.5' S 71° 16.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 112°-000°.
2386 G 1447.5	-Caleta Barrow.	54° 20.3' S 71° 27.6' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	23 7	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 264°-088°.
2387 G 1447.6	-Seno Duntze.	54° 20.6' S 71° 47.9' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	26 8	6	White fiberglass tower, red band, rectangular daymark; 11.	Visible 217°-053°.
2388 G 1442	-Punta Arska.	53° 34.2' S 70° 28.6' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	95 29	8	White fiberglass tower, red band; 13.	Visible 078°-314°.
2392 G 1443.2	-Islote Cuervo.	53° 50.2' S 70° 26.2' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	20 6	6	White fiberglass tower, red band; 13.	
2396 G 1443.3	-Bahia Harris Mole, head.	53° 50.1' S 70° 26.8' W	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	20 6	8	Red steel pipe; 12.	Visible 285°-334°. F.R. at easternmost corner of pier.
	-Canal Whiteside:						
2400 G 1443	--Islote Tesner.	53° 49.7' S 70° 23.8' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	20 6	8	White fiberglass tower, red band; 13.	Visible 314°-278°.
2403 G 1443.5	--Caleta Olguita.	54° 00.0' S 70° 04.8' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	20 6	6	White fiberglass tower, red band; 11.	Visible 001°-155°.
2404 G 1440	-Bahia Porvenir.	53° 18.8' S 70° 27.5' W	<b>Fl.W.</b> period 12s fl. 0.7s, ec. 11.3s	69 21	10	White fiberglass tower, red band; 26.	Visible 276°-131°.
<b>ESTRECHO DE MAGALLANES (STRAIT OF MAGELLAN):</b>							
2405 G 1435.3	-Bahia Catalina, N.	53° 05.8' S 70° 52.3' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	20 6	3	STARBOARD (B) R, pile; 10.	
2406 G 1435.31	--S.	53° 05.9' S 70° 52.4' W	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	10 3	2	PORT (B) G, pile; 10.	
2408 G 1435.4	-Muelle Mardones.	53° 07.6' S 70° 51.5' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	26 8	5	PORT (B) G, pillar; 10.	Visible 138°-014°. Private light.
2412 G 1436	-Cabezo Muelle Prat.	53° 10.2' S 70° 54.4' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	59 18	12	White iron pipe, red bands; 49.	FW. lights shown from cupola of Don Bosco Church.
2414 G 1438	-Munoz Gamero Hulk.	53° 10.6' S 70° 55.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	30 9	7	White metal framework pillar, red band; 11.	Visible 113°-093°.
2426 G 1435	<b>-Bahia Catalina.</b>	53° 00.5' S 70° 51.8' W	<b>Fl.R.</b>		<b>27</b>		<b>Aero Radiobeacon.</b>
2444 G 1426	-Isla Contra maestre.	52° 56.8' S 70° 21.8' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	82 25	9	White cylindrical concrete tower, red band; 20.	Visible 243°-155°.
2448 G 1428	-Isla Magdalena.	52° 55.1' S 70° 34.5' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	161 49	10	White cylindrical concrete tower with white house, red band; 44.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2452 G 1432	-Isla Isabel, on Cabo Torax.	52° 54.7' S 70° 46.9' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	46 14	4	White fiberglass tower, red band; 26.	
2454 G 1431	-Isla Isabel Range, front.	52° 54.7' S 70° 44.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	29 9	7	White fiberglass tower, red band; 13.	Visible 242°30'-082°.
2455 G 1431.1	--Rear, 190 meters 007° from front.	52° 54.5' S 70° 44.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	43 13	10	White fiberglass tower, red band; 30.	Visible 353°30'-022°30'.
2464 G 1425.5	-Cabo San Vicente.	52° 46.6' S 70° 25.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	210 64	10	White fiberglass tower, red band; 13.	Visible 303°-233°.
2468 G 1424	-Cerro Cono.	52° 39.9' S 70° 23.4' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	161 49	7	White fiberglass tower, red band; 13.	Visible 262°-064°.
2472 G 1425	-Segunda Angostura.	52° 44.1' S 70° 10.9' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	66 20	9	White octagonal concrete tower, red band; 20.	Visible 086°-278°.
	-RACON		<b>M(- -)</b> period 48s fl. 3s, ec. 45s		15		(10cm).
2476 G 1422	-Puerto Sara Range, front.	52° 37.4' S 70° 11.9' W	<b>2 F.Y.</b>	49 15	3	White iron pipe, red band, white triangular daymark point up, orange bands; 36.	Private light.
2476.5 G 1422.1	--Rear, 185 meters 334° from front.	52° 37.2' S 70° 12.0' W	<b>2 F.Y.</b>	75 23	3	White triangular metal framework structure, red bands; 16.	Private light.
2478 G 1421.7	-Punta Valle.	52° 33.1' S 70° 00.9' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	59 18	8	SPECIAL Y, tower, "X" topmark; 16.	Visible 273°-030°. Private light.
2481 G 1421	-Punta Piedra.	52° 47.2' S 69° 50.2' W	<b>Fl.(3+1)Y.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 10.5s	33 10	8	SPECIAL Y, tower, "X" topmark; 16.	Visible 108°-227°. Private light.
2484 G 1420	-Crawford.	52° 32.7' S 69° 36.3' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	49 15	17	White fiberglass tower, red bands; 26.	Visible 022°-191°. <b>AIS</b> (MMSI No 997251094). <b>Radar reflector.</b>
2488 G 1419	-Bajo Satellite.	52° 33.4' S 69° 41.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	9	STARBOARD (B) R, tower; 33.	<b>AIS</b> (MMSI No 997251093). <b>Radar reflector.</b>
	-RACON		<b>T(-)</b> period 60s fl. 15s, ec. 45s	33 10	10		(3 & 10cm).
2492 G 1416	-Punta Mendez.	52° 31.7' S 69° 35.0' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	105 32	6	White fiberglass tower, red band; 13.	Visible 040°-226°.
2496 G 1414	-Punta Delgada.	52° 27.4' S 69° 32.8' W	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	69 21	19	White metal tower, red band, masonry base, attached concrete house, red roof; 39.	Visible 229°-039°.
2508 G 1413	-Banco Direccion.	52° 25.6' S 69° 30.0' W	<b>Fl.(2)R.</b> period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	26 8	4	STARBOARD (B) R, tower; 26.	<b>AIS</b> (MMSI No 997251096). <b>Radar reflector.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2512 G 1411.5	-Puerto Progreso.	52° 28.7' S 69° 30.0' W	<b>Fl.(2)G.</b> period 6s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s	26 8	5	PORT (B) G, tower; 26.	<b>AIS</b> (MMSI No 997251095). <b>Radar reflector.</b>
2516 G 1412	-Cerro Direccion.	52° 21.2' S 69° 30.1' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	272 83	11	White fiberglass tower, red band; 36.	Visible 193°-015° and 022°- 025°. <b>AIS</b> (MMSI No 997251099).
	-RACON		<b>O(---)</b> period 60s fl. 15s, ec. 45s	289 88	15		(3 & 10cm).
2520 G 1411	-Punta Anegada.	52° 27.5' S 69° 25.9' W	<b>Fl.G.</b> period 10s fl. 0.5s, ec. 9.5s	26 8	5	PORT (B) G, tower; 11.	Visible 058°-287°.
2524 G 1410.5	-Banco Orange.	52° 24.8' S 69° 21.4' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	20 6	5	PORT (B) G, tower; 20.	<b>AIS</b> (MMSI No 997251097). <b>Radar reflector.</b>
2525 G 1407	-PE-1.	52° 20.8' S 69° 05.2' W	<b>2 Mo.(U)W.</b> period 20s	62 19	10	Platform.	<b>Horn:</b> Mo.(U) 30s.
	-RACON		<b>T(-)</b> period 48s	59 18	14		
2526 G 1407.06	-PE-2.	52° 22.0' S 69° 04.9' W	<b>2 Mo.(U)W.</b> period 20s	59 18	10	Masts on platform.	
	-RACON		<b>M(---)</b> period 48s fl. 3s, ec. 45s	72 22	15		(10cm).
2527 G 1406.5	-PO-2.	52° 19.0' S 69° 03.9' W	<b>Fl.R.</b> period 5s	59 18	6	Platform.	<b>Horn:</b> Mo.(U) 30s.
			<b>4 Mo.(U)W.</b> period 20s	52 16	10		
2527.5 G 1406	-SPN-2.	52° 24.1' S 69° 04.7' W	<b>Fl.G.</b> period 5s	72 22	7	Masts on platform.	2 Mo.(U)W. 20s 18m 10M. Platform SPN-1 0.9M S. Platform SPN-4 2.4M SSE. <b>Horn:</b> Mo.(U) ev. 30s. Platform SPN-3 close by.
			<b>2 Mo.(U)W.</b> period 20s	72 22	10		
2528 G 1409	-Banco Narrow.	52° 18.9' S 69° 19.3' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	33 10	6	STARBOARD (B) R, tower; 33.	<b>AIS</b> (MMSI No 997251098). <b>Radar reflector.</b>
2532 G 1408	-Cabo Posesion, SW. of summit.	52° 17.5' S 68° 57.8' W	<b>Fl.W.</b> period 18s fl. 0.5s, ec. 17.5s	295 90	10	White four-sided concrete tower, red band, white house; 36.	Visible 295°-104° and 115°- 134°.
BAHIA DESOLADA:							
2536 G 1334.6	-Cabo Atracadero.	54° 41.6' S 71° 33.1' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	52 16	4	PORT (B) GW, tower; 11.	Visible 258°-091°.
2537 G 1335.1	Isla Sidney, Punta Carmela.	54° 44.6' S 71° 46.9' W	<b>Fl.W.</b> period 12s fl. 0.3s, ec. 11.7s	36 11	9	White fiberglass tower, red band; 13.	Visible 132°-305°.
2537.5 G 1334.06	Paso Occidental, Islote Penon.	54° 47.6' S 71° 32.6' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	262 80	9	White fiberglass tower, red band; 13.	Visible 090°-290°.
	RACON		<b>O(---)</b> period 60s fl. 15s, ec. 45s	262 80	15		Azimuth coverage 090°-230°. (3 & 10cm).
2538 G 1334.1	Paso Occidental Islote Laberinto.	54° 45.0' S 71° 26.7' W	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	23 7	6	STARBOARD (B) R, tower; 13.	Visible 036°-251°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2539 G 1334.15	Eastern Laberinto Inlet.	54° 44.0' S 71° 29.3' W	<b>Fl.G.</b> period 10s fl. 0.3s, ec. 9.7s	16 5	6	Green fiberglass tower, green rectangular topmark; 11.	
CANAL BALLENERO:							
2540 G 1334.4	-Islote Entrada.	54° 41.7' S 71° 28.0' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	66 20	11	White fiberglass pillar, red band; 13.	Visible 045°-290°.
2544 G 1334.2	-Islote Direccion.	54° 43.0' S 71° 22.1' W	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2.4s fl. 0.5s, ec. 6.6s	56 17	5	ISOLATED DANGER BRB, beacon; 10.	
2548 G 1334	-Isla Burnt.	54° 44.0' S 71° 17.5' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	52 16	8	White fiberglass tower, red band; 26.	Visible 285°-130°.
2552 G 1333.8	Isla Senal, Canal Ballenero.	54° 50.9' S 70° 56.8' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	33 10	8	White fiberglass tower, red band; 13.	Visible 295°-135°.
2554 G 1333.5	-Acevedo.	54° 54.1' S 70° 22.6' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	79 24	8	White fiberglass tower, red band; 13.	Visible 065°-332°.
2556 G 1333.6	Isla Redonda, Canal Ballenero.	54° 55.0' S 70° 38.1' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	52 16	7	White fiberglass tower, red band, rectangular daymark; 10.	Visible 257°-112°.
2557 G 1333.7	-Islote Arancibia Clavel.	54° 51.8' S 70° 22.8' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	20 6	9	White fiberglass tower, red band; 13.	Visible 112°-308°.
2557.5 G 1333.4	-Islote Condor.	54° 53.2' S 70° 19.6' W	<b>Fl.(2+1)G.</b> period 14s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 3.7s fl. 0.3s, ec. 7.7s	85 26	5	PREFERRED CHANNEL (B) GRG, tower; 11.	Visible 294°-114°.
2558 G 1333.2	Islote Termino.	54° 53.2' S 70° 17.4' W	<b>Fl.G.</b> period 5s fl. 0.4s, ec. 4.6s	39 12	4	PORT (B) G, tower; 10.	Visible 108°-074°.
2560 G 1333	Islote Montenares.	54° 52.6' S 70° 06.0' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	43 13	7	White fiberglass tower, red band, rectangular daymark; 11.	
CANAL THOMSON							
2561 G 1333.1	-Isla Maruja.	54° 55.9' S 70° 14.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	39 12	8	White fiberglass tower, red band; 13.	Visible 155°-013°. <b>AIS</b> (MMSI No 997251092).
2562.5 G 1333.17	-Islote Pollera.	55° 04.0' S 70° 12.9' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	82 25	6	STARBOARD (B) R, tower; 11.	<b>AIS</b> (MMSI No 997251008).
2563 G 1333.19	-Islote Salientes.	55° 08.0' S 70° 15.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	39 12	9	White fiberglass tower, red band, rectangular daymark; 11.	Visible 177°-007° and 019°-051°. <b>AIS</b> (MMSI No 997251007).
BAHIA COOK:							
2563.2 G 1333.195	-Islotes Sandwich.	55° 12.2' S 70° 25.3' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	210 64	9	White fiberglass tower, red band; 13.	Visible 239°-057°. <b>AIS</b> (MMSI No 997251006).
	-RACON		<b>O(- - -)</b>	210 64	18		Azimuth coverage 239°-057°. (3 & 10cm).



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
BEAGLE CANAL:							
2563.5 G 1332.5	-Ventisquero Romanche. (A.)	54° 53.3' S 69° 28.4' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	20 6	8	White fiberglass tower, red band; 13.	Visible 286°-105°.
2564 G 1332	-Punta Yamana.	54° 57.9' S 69° 01.8' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	42 13	7	White concrete tower, red band; 16.	Visible 265°-095°.
2566 G 1332.2	-Ventisquero Holanda Glacier.	54° 56.9' S 69° 07.5' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	36 11	7	White round fiberglass tower, red band, rectangular daymark; 11.	Visible 010°-106° and 300°- 320°.
2567 G 1332.3	-Isla Gordon, Punta Divide.	54° 58.2' S 69° 07.9' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	30 9	7	White fiberglass tower, red band, rectangular daymark; 11.	Visible 140°-017°.
2567.5 G 1331	-Cabo Hann.	54° 57.1' S 68° 24.1' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	11 4	6	White metal pile, red band, rectangular daymark; 8.	Visible 142°-327°.
2567.6 G 1331.2	-Punta Oriental.	54° 58.9' S 68° 21.2' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	82 25	4	STARBOARD (B) R, tower; 11.	Visible 333°-129°.
2568 G 1330	-Rocas Contraestre Peron.	54° 55.3' S 68° 34.7' W	<b>Q.W.</b>	72 22	7	N. CARDINAL BY, tower; 26.	
2570 G 1329.5	-Zeballos. (A.)	54° 53.5' S 68° 36.4' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	39 12	7	White conical fiberglass tower, red bands; 26.	
2572 G 1329	-Lapataia. (A.)	54° 51.7' S 68° 33.7' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	26 8	6	Black and white column, black and white cross; 13.	
2576 G 1323	-Paso Chico Range, front. (A.)	54° 50.4' S 68° 15.6' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	30 9	8	White round fiberglass tower, red band; 26.	
2578 G 1323.1	--Rear, 465 meters 019°22' from front, Isla Casco. (A.)	54° 50.1' S 68° 15.4' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	46 14	6	Black tower, white top; 36.	
-Bahia Ushuaia (A.):							
2580 G 1325	--Punta Observatorio. (A.)	54° 49.0' S 68° 18.0' W	<b>Fl.W.</b> period 2s fl. 0.2s, ec. 1.8s	33 10	7	Red truncated pyramidal tower, white bands; 26.	
2584 G 1326	--Muelle Gobernacion, extension, head. (A.)	54° 48.7' S 68° 17.7' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	26 8	5	Metal column, yellow rectangular daymark, black bands; 20.	
2590 G 1326.5	--Muelle Lasserre. (A.)	54° 48.4' S 68° 17.7' W	<b>Iso.Y.Bu.</b> period 6s	13 4	2	Orange tower, yellow band; 16.	
2596 G 1327	--Guardiamarina Moutin. (A.)	54° 48.3' S 68° 17.3' W	<b>Al.Iso.Y.Bu.</b> period 4s	13 4	1	Yellow tower, orange band; 13.	
2600 G 1323.4	-Islas Bridges, W. end. (A.)	54° 52.2' S 68° 16.0' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	46 14	5	Red metal framework tower, white band; 30.	
2604 G 1322.4	-Iturrieta. (A.)	54° 52.7' S 68° 14.5' W	<b>Q.(6)+L.Fl.W.</b>	98 30	4	S. CARDINAL YB, tower; 16.	
2608 G 1322	-Islote Bartlett.	54° 53.7' S 68° 13.8' W	<b>Q.W.</b>	52 16	5	N. CARDINAL BY, tower; 13.	
2609 G 1322.1	-Isla Martinez, Rocas Centinela.	54° 54.7' S 68° 18.2' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	2	PORT (B) GW, pillar; 12.	Visible 336°-241°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2616 G 1323.6	-Escarpados. (A.)	54° 49.1' S 68° 11.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	194 59	6	Black metal framework tower, yellow bands, two white triangular topmarks points together; 33.	
2620 G 1320	-Islotes Les Eclaireurs. (A.)	54° 52.3' S 68° 05.0' W	<b>Fl.W.R.</b> period 5s fl. 0.5s, ec. 4.5s	72 22	W. 10 R. 7	Red truncated conical stone tower, white band; 36.	R. 081°-115°, W. -081°.
2624 G 1319.4	-Punta San Juan. (A.)	54° 51.3' S 67° 59.4' W	<b>Fl.W.</b> period 8s fl. 1s, ec. 7s	75 23	7	White truncated pyramidal tower; 26.	
2632 G 1318	-Rocas Lawrence. (A.)	54° 52.6' S 67° 52.6' W	<b>V.Q.(6)+L.Fl.W.</b>	30 9	8	S. CARDINAL YB, tower; 30.	<b>Radar reflector.</b>
2636 G 1317.8	-Punta Parana. (A.)	54° 52.8' S 67° 45.7' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	72 22	6	Red round tower, white band; 13.	
2638 G 1314.3	-Banco Herradura.	54° 54.0' S 67° 36.2' W	<b>Q.W.</b>	20 6	5	N. CARDINAL BY, beacon, topmark.	
2640 G 1316	-Punta Gusano, end of peninsula.	54° 55.3' S 67° 36.3' W	<b>Fl.(3)R.</b> period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	30 9	5	STARBOARD (B) R, tower; 10.	
2641 G 1317.1	-Puerto Williams Tower.	54° 56.0' S 67° 36.5' W	<b>Fl.(2)W.</b> period 4s		5	Radio mast.	
2664 G 1315	-Direccion. (A.)	54° 52.8' S 67° 36.0' W	<b>Fl.(2)W.</b> period 16s fl. 1s, ec. 3s fl. 1s, ec. 11s	79 24	6	Red and yellow tower; 23.	
	-Isla Gable (A.):						
2668 G 1314	--W. end of island range, front. (A.)	54° 53.6' S 67° 32.1' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	157 48	6	White metal framework tower, orange bands; 20.	Visible 000°-250°.
2672 G 1314.1	---Rear, 353 meters 090° from front. (A.)	54° 53.6' S 67° 31.9' W	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	236 72	6	Orange metal framework tower; 26.	
2676 G 1313	-Punta Trucco Range, front.	54° 55.4' S 67° 31.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	32 10	8	White fiberglass tower, red band; 26.	Visible 075°-180°.
2680 G 1313.1	--Rear, about 200 meters 140° from front.	54° 55.5' S 67° 31.7' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	73 22	14	White fiberglass tower, black band; 26.	Visible 130°-150°.
2684 G 1311	-Punta Espora. (A.)	54° 54.7' S 67° 29.7' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	52 16	8	White round tower, red bands; 26.	
2688 G 1312	-Rosales Point Range, front.	54° 55.5' S 67° 27.4' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	23 7	6	White fiberglass tower, red band; 13.	Visible 075°-180°.
2692 G 1312.1	--Rear, about 720 meters 100° from front.	54° 55.5' S 67° 26.8' W	<b>Fl.(3)W.</b> period 9s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 1.7s fl. 0.3s, ec. 4.7s	52 16	7	White fiberglass tower, red band; 13.	
2696 G 1310	-Punta Mackinlay, on Isla Gable. (A.)	54° 54.7' S 67° 24.9' W	<b>Fl.R.</b> period 2s fl. 0.5s, ec. 1.5s	31 9	6	Red and white checkered cylindrical fiberglass tower, white four-sided truncated concrete base, red band; 23.	<b>Radar reflector.</b>
2700 G 1308	-Isla Martillo. (A.)	54° 54.6' S 67° 22.5' W	<b>Fl.W.</b> period 7s fl. 1s, ec. 6s	25 8	7	White concrete framework tower, red bands; 25.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CHILE</b>							
2704 G 1307	-Isla Barlovento.	54° 55.4' S 67° 18.6' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	37 11	5	White fiberglass tower, red bands; 26.	
2708 G 1306	-Ponsati. (A.)	54° 53.2' S 67° 17.8' W	<b>Fl.(2)W.</b> period 16s fl. 1s, ec. 4s fl. 1s, ec. 10s	30 9	6	White metal framework tower, black bands; 23.	
2710 G 1303.4	-Isla Snipe.	54° 57.2' S 67° 08.9' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	151 46	8	White fiberglass tower, red band; 16.	
2710.02 G 1304	-Pampa De Los Indios. (A.)	54° 54.6' S 67° 05.4' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s		6	White round concrete tower, black bands; 20.	
2710.05 G 1302	-Islas Becasses. (A.)	54° 57.2' S 67° 01.8' W	<b>Fl.W.</b> period 3s fl. 0.6s, ec. 2.4s	125 38	6	Red round concrete tower, white bands; 13.	
2710.07 G 1300	-Davison. (A.)	54° 56.5' S 66° 54.1' W	<b>Fl.(2)W.</b> period 16s fl. 1s, ec. 4s fl. 1s, ec. 10s	26 8	6	White concrete framework tower, red bands; 23.	
2710.09 G 1298	-Isla Gardiner.	55° 00.5' S 66° 55.5' W	<b>Fl.(4)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	62 19	7	White fiberglass tower, red band; 20.	Visible 116°-290°.
2710.12 G 1296	-Punta Moat. (A.)	55° 00.2' S 66° 43.0' W	<b>Fl.W.</b> period 8s fl. 1s, ec. 7s		8	Metal framework tower, yellow bands, black rectangular daymark; 39.	
2710.16 G 1294	-Punta Waller, Isla Nueva.	55° 10.4' S 66° 33.3' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	39 12	13	White fiberglass tower, red band; 20.	Visible 060°-262°.
<b>PASO PICTON:</b>							
2710.5 G 1303	-Puerto Toro.	55° 04.7' S 67° 03.8' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	23 7	6	White fiberglass tower, red band; 13.	Visible 150°-301°.
2711 G 1295	-Isla Nueva, Cabo Graham.	55° 16.6' S 66° 31.2' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	886 270	14	White fiberglass tower, red band; 13.	Visible 210°-060°.
2711.4 G 1295.2	Isla Epave.	55° 47.9' S 67° 22.5' W	<b>Fl.R.</b> period 10s fl. 1s, ec. 9s	16 5	6	STARBOARD (B) R, tower; 11.	Visible 093°-295°.
2711.6 G 1295.4	Rocas Gonzalez.	55° 48.0' S 67° 19.0' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	20 6	4	STARBOARD (B) R, tower; 11.	
2712 G 1336	Cabo de Hornos (Cape Horn), on southern extremity of Isla Hornos.	55° 58.7' S 67° 15.7' W	<b>Fl.W.</b> period 12s fl. 0.5s, ec. 11.5s	132 40	7	White fiberglass tower, red band; 13.	Visible 249°-080°.
2713 G 1336.5	Monumental (Isla Hornos).	55° 57.9' S 67° 13.3' W	<b>Fl.W.</b> period 5s fl. 0.7s, ec. 4.3s	202 62	12	White round iron tower, red band; 38.	Visible 127°-056°.
<b>RACON</b>							
			<b>N(- •)</b> period 60s fl. 15s, ec. 45s	187 57	15		Azimuth coverage 127°-056°. (3 & 10cm).
2714 G 1295.5	Paso del Mar.	55° 52.8' S 67° 11.0' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	98 30	4	PORT (B) WGW, pile, topmark; 8.	Visible 155°-345°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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**CHILE**

2718 G 1338	Islas Diego Ramirez.	56° 31.3' S 68° 43.4' W	Fl.W. period 15s fl. 0.4s, ec. 14.6s	354 108	22	White fiberglass tower, red band; 16.	Visible 176°-088° and 094°- 150°.
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# Section 3

## Antarctica and South Pacific Islands Including New Hebrides and New Caledonia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ANTARCTICA</b>							
SOUTH SHETLAND ISLANDS:							
2720 G 1388	-King George Island, Ardley Island.	62° 12.6' S 58° 55.6' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	148 45	6	Orange round tower on truncated conical tower, black bands; 20.	
2720.5 G 1388.2	-Clarence Island, Cape Lloyd.	61° 07.8' S 54° 00.1' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	371 113	5	White fiberglass tower, red bands; 11.	
2721 G 1387.9	-Ardley Cove.	62° 12.1' S 58° 57.5' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	16 5	6	White fiberglass tower, red band; 10.	Visible 256°-287°. Shown Nov. to Mar.
2722 G 1387.8	-Suffield Point.	62° 11.3' S 58° 54.4' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	171 52	6	White aluminum truncated pyramid, red band; 16.	Shown Nov. to Mar.
2724 G 1387.6	-Tiniente Camara.	62° 14.4' S 58° 40.7' W	<b>Fl.W.</b> period 10s fl. 0.4s, ec. 9.6s	59 18	6	Black tower, yellow bands; 36.	<b>Radar reflector.</b>
2725 G 1387.7	-Potters Bay.	62° 14.3' S 58° 39.6' W	<b>Fl.W.</b> period 7s	33 10	3	Yellow round truncated conical fiberglass tower, orange bands; 23.	
2728 G 1387.4	-Point Thomas.	62° 09.5' S 58° 28.0' W	<b>L.Fl.W.</b> period 9s fl. 3s, ec. 6s	58 18	8	White tower, red bands, balcony.	
2729 G 1387.5	-Martel Inlet.	62° 05.0' S 58° 23.7' W	<b>Iso.R.</b> period 2s	46 14	10	White rectangular daymark, red band; 13.	Visible 188°-000°.
2730	<b>-Nelson Island, RACON.</b>	62° 18.4' S 59° 12.8' W	<b>O(- - -)</b> period 48s		<b>18</b>		
2732 G 1386	Robert Island, Edwards Point.	62° 27.5' S 59° 30.2' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	82 25	7	Yellow tower, orange bands; 23.	Visible 256°-118°. Shown Nov. to May.
2733 G 1383.5	Pedro Vicente Maldonado Range, front, PVM1.	62° 26.7' S 59° 44.3' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	30 9	6	White beacon, yellow topmark, black stripe.	
2733.5 G 1383.51	-Rear, PVM2, 38 meters 148° from front.	62° 26.9' S 59° 44.5' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	39 12	6	White beacon, yellow topmark, black stripe.	
2736 G 1384	-Fort William.	62° 22.2' S 59° 43.4' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	5	White fiberglass tower, red band; 10.	Visible 320°-165°. Shown Nov. to Mar.
2743 G 1383	Surgidero Iquique.	62° 58.2' S 60° 42.6' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	374 114	5	White tower, orange band; 15.	
2744 G 1381	Deception Island, Grumete Beacon.	62° 58.7' S 60° 39.7' W	<b>Fl.W.</b> period 8s fl. 0.5s, ec. 7.5s	341 104	5	Green round fiberglass tower; 10.	
2745 G 1382	Punta Collins.	62° 59.8' S 60° 35.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	33 10	6	White fiberglass tower, red band; 10.	Visible 120°-271°.
HOPE BAY:							
2756 G 1389	-Grunden Rock, S. side.	63° 23.8' S 56° 58.4' W	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	85 26	6	Red round tower, black bands; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ANTARCTICA</b>							
2760 G 1389.2	-Rocas Denticuladas Range, front.	63° 23.8' S 56° 59.4' W	<b>Iso.W.</b> period 2s	39 12	5	Green column, yellow top, black triangular daymark point up; 10.	
2764 G 1389.21	--Rear, 290 meters 214° from front.	63° 24.0' S 56° 59.6' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	46 14	10	Green column, yellow top, black triangular daymark point down; 10.	
2766	Barrios Island, RACON.	63° 19.1' S 57° 57.2' W	<b>M(- -)</b>		10		(3 & 10cm).
2768 G 1395	Bell Island.	64° 16.4' S 61° 59.2' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	184 56	6	White fiberglass tower, red band; 10.	Visible 130°-040°.
2784 G 1398	Condell, N. extremity of Lautaro Island.	64° 49.0' S 63° 05.5' W	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	59 18	6	White fiberglass tower, red band; 10.	Visible 047°-327°.
2788 G 1399.4	Doumer Island, Py Point.	64° 52.7' S 63° 35.6' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	233 71	5	Red framework tower; 35.	
2792 G 1400	Buenos Aires (Prevot Island).	64° 53.3' S 63° 56.8' W	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	120 37	5	Square metal framework tower; 20.	
2793 G 1401	Cape Renard.	65° 01.4' S 63° 45.8' W	<b>Fl.W.</b> period 10s fl. 0.7s, ec. 9.3s	23 7	5	White fiberglass tower, red band; 10.	Visible 092°-270°.
2794	Avian Island, RACON.	67° 46.7' S 68° 53.9' W	<b>B(- • • •)</b>		10		Azimuth coverage 085°-315° (3 & 10cm).
2795 G 1401.7	San Martin.	68° 11.8' S 67° 09.3' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	59 18	9	Red round fiberglass tower, black top; 13.	

#### SOUTH PACIFIC ISLANDS

ILES TUAMOTU:							
-Iles Gambier							
2799.7 K 5006.4	--Ile Aukena Range, front.	23° 08.4' S 134° 55.0' W	<b>Iso.G.</b> period 4s	20 6	6	White and red column; 20.	
2799.71 K 5006.41	--Rear, 940 meters 086°30' from front.	23° 08.4' S 134° 54.4' W	<b>Iso.G.</b> period 4s	59 18	6	White column, red bands; 59.	
2799.87 K 5006.65	--Mitirapa.	23° 07.2' S 134° 56.7' W	<b>V.Q.(9)W.</b> period 10s	16 5	3	W. CARDINAL YBY, beacon, topmark; 29.	
2799.9 K 5006.7	--Pointe Kureru Range, front.	23° 06.1' S 134° 57.1' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	20 6	6	White column, concrete base, white square daymark; 23.	
2799.91 K 5006.71	---Rear, 400 meters 005°10' from front.	23° 05.9' S 134° 57.0' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	36 11	6	White column, concrete base, white square daymark; 39.	
-Ile Hoa:							
2812 K 5008.2	--Passe Kaki, E. side.	18° 04.2' S 141° 00.0' W	<b>Fl.(2)W.</b> period 10s	66 20	18	Red metal column, white bands; 66.	
-Hikueru Atoll:							
2812.5 K 5004.86	--Tupatapi, N.W.	17° 32.6' S 142° 40.2' W	<b>Fl.W.</b> period 5s	59 18	18	White metal column, red bands; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
-Faaite:							
2813 <i>K 5003.1</i>	--Patatini Reef.	16° 42.3' S 145° 20.9' W	<b>Q.(6)W.+L.Fl.W.</b> period 15s	10 3	4	S. CARDINAL YB, beacon, topmark; 19.	
2813.5 <i>K 5003.2</i>	---Tetaparua.	16° 42.0' S 145° 20.6' W	<b>Q.R.</b>	10 3	3	PORT (A) R, beacon; 19.	
2813.7 <i>K 5003.3</i>	---Peruheua.	16° 41.7' S 145° 20.2' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	3	PORT (A) R, beacon; 19.	
2813.9 <i>K 5003.4</i>	---Teavatika.	16° 41.6' S 145° 20.1' W	<b>Q.W.</b>	10 3	4	N. CARDINAL BY, beacon, topmark; 19.	
2814 <i>K 5002</i>	--Passe Teporioha Range, front.	16° 42.1' S 145° 21.1' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	20 6	3	White metal column; 23.	
2814.5 <i>K 5002.1</i>	---Rear, 200 meters 119° from front.	16° 42.1' S 145° 21.1' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	39 12	5	White metal column; 39.	Synchronized with front.
2815 <i>K 5003</i>	--Hitianu Village.	16° 42.0' S 145° 21.2' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	5	Red beacon, red square daymark; 20.	
-Makemo:							
2816 <i>K 5004</i>	--Pouheva.	16° 37.6' S 143° 34.4' W	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	83 25	18	White and red column, on tower; 75.	
-Fakarava:							
2816.8 <i>K 5000.4</i>	--Torea.	16° 04.0' S 145° 41.6' W	<b>Fl.W.</b> period 5s	98 30	19	Red and white column; 92.	
2817 <i>K 5000.6</i>	--Passe Garuae.	16° 05.0' S 145° 43.3' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	23 7	5	STARBOARD (A) G, beacon, topmark; 30.	
2817.1 <i>K 5001</i>	Haut-fond.	16° 03.9' S 145° 38.4' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	16 5	4	PORT (A) R, beacon, topmark; 39.	
2817.2 <i>K 5001.2</i>	Recif Kopuapiro.	16° 03.7' S 145° 37.3' W	<b>Q.W.</b>	10 3	4	N. CARDINAL BY, beacon, topmark; 13.	Channel between Rotoava Anchorage and Tumakohua Pass marked by lighted lateral beacons.
2817.4 <i>K 5001.36</i>	--Passe Tumakohua Range, front.	16° 30.8' S 145° 27.9' W	<b>Iso.R.</b> period 4s	20 6	3	Red and white column; 23.	
2817.41 <i>K 5001.38</i>	---Rear, 150 meters 336°24' from front.	16° 30.7' S 145° 27.9' W	<b>Iso.R.</b> period 4s	26 8	3	Red and white column; 26.	
2817.5 <i>K 5001.4</i>	--SW.	16° 30.6' S 145° 27.8' W	<b>Q.G.</b>	10 3	3	STARBOARD (A) G, beacon, topmark; 17.	
2817.55 <i>K 5001.6</i>	--N.	16° 30.3' S 145° 27.8' W	<b>Q.W.</b>	20 6	4	N. CARDINAL BY, beacon, topmark; 20.	
-Raroia Atoll:							
2817.6 <i>K 5004.76</i>	--Ngarumaova channel.	16° 01.5' S 142° 27.5' W	<b>Q.G.</b>	13 4	4	STARBOARD (A) G, beacon; 19.	
2817.7 <i>K 5001.7</i>	--Arikitamiro Pass.	15° 56.9' S 145° 10.8' W	<b>Iso.R.</b> period 4s		6	PORT (A) R, beacon, topmark; 33.	
2817.75 <i>K 5001.72</i>	--Motu Toetoe.	15° 51.8' S 145° 07.4' W	<b>Fl.G.</b> period 4s	26 8	7	STARBOARD (A) G, beacon, topmark; 33.	
2817.8 <i>K 5001.74</i>	--Au NW.	15° 50.7' S 145° 07.8' W	<b>Fl.R.</b> period 2.5s	13 4	5	PORT (A) R, beacon, topmark; 20.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
2817.85 K 5001.76	--Tearavero Village.	15° 49.5' S 145° 07.0' W	<b>Fl.R.</b> period 2.5s	13	4	PORT (A) R, beacon, topmark; 20.	
-Katiu Atoll:							
2817.9 K 5003.7	--Passe Pakata Range, front.	16° 22.2' S 144° 21.3' W	<b>Iso.R.</b> period 4s	20	6	3 Red and white pylon; 23.	
2817.91 K 5003.71	---Rear, 90 meters 192°36' from front.	16° 22.3' S 144° 21.3' W	<b>Iso.R.</b> period 4s	33	10	3 Red pylon, white band; 36.	Synchronized with front.
2817.94 K 5003.8	--NE.	16° 22.0' S 144° 21.2' W	<b>Q.R.</b>	13	4	2 PORT (A) R, beacon, topmark; 20.	
2817.95 K 5003.85	--S.	16° 22.1' S 144° 21.2' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	13	4	3 PORT (A) R, beacon, topmark; 20.	
-Toau Atoll:							
2817.96 K 5000.2	--Passe Otugi Range, front.	15° 55.8' S 145° 55.0' W	<b>Iso.R.</b> period 4s	20	6	6 White beacon, green top; 20.	
2817.97 K 5000.21	---Rear, 130 meters 242°48' from front.	15° 55.9' S 145° 55.1' W	<b>Iso.R.</b> period 4s	33	10	6 White beacon, green top; 37.	Synchronized with front.
2817.98 K 5000.3	--Passe Tehere Range, front.	15° 48.2' S 146° 09.0' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	20	6	6 White beacon, green top; 23.	
2817.99 K 5000.31	---Rear, 100°48' from front.	15° 48.2' S 146° 08.9' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	26	8	6 White beacon, green top; 29.	Synchronized with front.
-Rangiroa:							
2818 K 4988	--Mota Maherehoniae.	14° 55.5' S 147° 51.2' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	98	30	20 White pylon; 92.	
2820 K 4993	--Passe Tiputa Range, front.	14° 58.0' S 147° 38.2' W	<b>Iso.G.</b> period 4s	33	10	5 White beacon; 33.	
2824 K 4993.1	---Rear, 140 meters 216° from front.	14° 58.9' S 147° 38.2' W	<b>Iso.G.</b> period 4s	46	14	5 White beacon; 49.	
2828 K 4994	--Tiputa Village.	14° 58.8' S 147° 37.8' W	<b>Q.R.</b>	13	4	2 PORT (A) R, beacon; 20.	
2832 K 4990	--Passe Avatoru Range, front.	14° 56.5' S 147° 42.6' W	<b>Iso.W.</b> period 4s	33	10	6 White beacon; 36.	
2836 K 4990.1	---Rear, 150 meters 172°36' from front.	14° 56.6' S 147° 42.6' W	<b>Iso.W.</b> period 4s	33	10	6 White beacon; 49.	
2840 K 4992	--Avatoru Village.	14° 56.9' S 147° 42.7' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	13	4	3 PORT (A) R, beacon; 20.	
-Ahe Atoll:							
2841 K 4998.52	--Passe Tiareroa.	14° 27.5' S 146° 21.4' W	<b>Iso.R.</b> period 4s	20	6	6 PORT (A) R, beacon, topmark; 23.	
2841.1 K 4998.53	--Motu Rahokoro.	14° 27.6' S 146° 20.5' W	<b>V.Q.(6)+L.Fl.W.</b> period 10s	13	4	4 S. CARDINAL YB, beacon, topmark; 17.	
2841.11 K 4998.54	---Poripare.	14° 28.2' S 146° 21.3' W	<b>Fl.G.</b> period 2.5s	10	3	5 STARBOARD (A) G, beacon, topmark; 16.	
2841.12 K 4998.55	---Kamoka.	14° 29.2' S 146° 21.3' W	<b>Fl.R.</b> period 2.5s	10	3	4 PORT (A) R, beacon, topmark; 16.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
2841.13 <i>K 4998.56</i>	---Ro.	14° 30.0' S 146° 21.3' W	<b>Q.(9)W.</b> period 15s	16 5	4	W. CARDINAL YBY, beacon, topmark; 19.	
2841.14 <i>K 4998.57</i>	--Tenukupara Village.	14° 31.5' S 146° 21.5' W	<b>Fl.R.</b> period 2.5s	16 5	4	PORT (A) R, beacon, topmark; 19.	
2841.15 <i>K 4998.58</i>	---Anchorage.	14° 31.8' S 146° 21.6' W	<b>Q.G.</b>	10 3	4	STARBOARD (A) G, beacon, topmark; 16.	
2841.16 <i>K 4998.59</i>	---Wharf.	14° 32.3' S 146° 21.5' W	<b>Fl.(2)G.</b> period 4s	10 3	5	STARBOARD (A) G, beacon, topmark; 19.	
2841.17 <i>K 4998.6</i>	---N.	14° 32.2' S 146° 21.5' W	<b>Q.R.</b>	13 4	4	PORT (A) R, beacon, topmark; 19.	
2841.18 <i>K 4998.61</i>	--Motu Tamarahi.	14° 27.3' S 146° 19.5' W	<b>Q.G.</b>	16 5	4	STARBOARD (A) G, beacon, topmark; 23.	
2841.19 <i>K 4998.62</i>	---Terekia.	14° 26.9' S 146° 17.2' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	16 5	5	STARBOARD (A) G, beacon, topmark; 19.	
2841.2 <i>K 4998.63</i>	---Rokati.	14° 26.5' S 146° 16.0' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	4	PORT (A) R, beacon, topmark; 19.	
2841.21 <i>K 4998.64</i>	---Pirake Keke.	14° 26.3' S 146° 15.6' W	<b>Q.R.</b>	13 4	4	PORT (A) R, beacon, topmark; 19.	
ILES AUSTRALES:							
-Tubai:							
2842 <i>K 5020</i>	--Passe de Te Ara Moana Range, front.	23° 21.0' S 149° 30.2' W	<b>Iso.G.</b> period 4s	20 6	6	White beacon, red bands; 20.	
2842.5 <i>K 5020.1</i>	---Rear, 144 meters 156° from front.	23° 21.0' S 149° 30.2' W	<b>Iso.G.</b> period 4s	33 10	4	White beacon, red band; 33.	Synchronized with front.
-Raivavae:							
2843 <i>K 5025</i>	--Passe Mohanaton Ledge Range, front.	23° 51.5' S 147° 40.2' W	<b>Iso.R.</b> period 4s	56 17	6	Red pylon, white band; 46.	
2843.5 <i>K 5025.1</i>	---Rear, 300 meters 167°18' from front.	23° 51.7' S 147° 40.2' W	<b>Iso.R.</b> period 4s	112 34	6	Column, red stripe, white rectangular daymark; 16.	Synchronized with front.
ILES MARQUISES:							
2844 <i>K 5058</i>	-Hiva Oa, Atuona, Baie Taaoa.	9° 48.5' S 139° 02.2' W	<b>Fl.W.R.G.</b> period 2.5s fl. 0.5s, ec. 2s	157 48	W. R. G. 5 5	White tower; 10.	G. 313°30'-332°30', W.- 339°30', R.-358°30'.
2848 <i>K 5060</i>	--Taa Huku Bay.	9° 48.5' S 139° 01.1' W	<b>Q.G.</b>	23 7	2	Green pylon; 10.	
2850 <i>K 5057</i>	-Baie de Vaipae Pointe Matatehotu, Ua-Huka.	8° 56.5' S 139° 34.1' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	30 9	5	Green beacon; 16.	
2856 <i>K 5052</i>	--Fort Collet.	8° 54.9' S 140° 05.7' W	<b>Iso.R.</b> period 2s	112 34	6	White column, red bands, on dwelling; 20.	
ILES DE LA SOCIETE (F):							
-Tahiti:							
2860 <i>K 4952</i>	--Pointe Venus.	17° 29.7' S 149° 29.7' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	102 31	27	White tower; 108.	
2862 <i>K 4952.25</i>	--Passe d' Arue.	17° 31.2' S 149° 31.5' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	16 5	5	Green beacon, green triangular daymark; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
2863 K 4952.7	--Passe de Taunoa Range, front.	17° 31.5' S 149° 33.1' W	<b>Iso.R.</b> period 4s	26 8	6	White pylon, red bands; 26.	
2863.5 K 4952.71	--Rear, 126 meters 173°42' from front.	17° 31.5' S 149° 33.1' W	<b>Iso.R.</b> period 4s	43 13	6	White pylon, red bands; 39.	Synchronized with front.
2863.8 K 4952.8	--Pointe Iriti.	17° 31.3' S 149° 32.8' W	<b>V.Q.(6)+L.FI.W.</b> period 10s	13 4	4	S. CARDINAL YB, beacon, topmark; 16.	
2864 K 4953	---Beacon.	17° 31.2' S 149° 33.2' W	<b>FI.G.</b> period 2.5s fl. 0.5s, ec. 2s	16 5	5	STARBOARD (A) G, topmark; 13.	
2868 K 4953.4	---Beacon.	17° 31.4' S 149° 33.3' W	<b>FI.R.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	3	PORT (A) R, topmark; 13.	
2872 K 4953.8	---Beacon.	17° 31.4' S 149° 33.5' W	<b>Q.G.</b>	13 4	3	STARBOARD (A) G, topmark; 16.	
2876 K 4954	---Beacon.	17° 31.4' S 149° 33.6' W	<b>FI.G.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	3	STARBOARD (A) G, topmark; 16.	
2880 K 4954.2	---Beacon.	17° 31.4' S 149° 33.9' W	<b>Q.R.</b>	16 5	3	PORT (A) R, topmark; 19.	
2882 K 4954.4	---Beacon.	17° 31.5' S 149° 34.1' W	<b>FI.R.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	3	PORT (A) R, topmark; 16.	
2884 K 4956	--Tipaerui Range, front.	17° 32.6' S 149° 34.8' W	<b>Oc.(2)G.</b> period 8s lt. 1s, ec. 2s lt. 3s, ec. 2s	75 23	8	White column, red bands, white square daymark; 59.	Visible 012°-282°. Range lights lead through Papeete Pass.
2888 K 4956.1	--Rear, 222 meters 148°30' from front.	17° 32.8' S 149° 34.7' W	<b>Oc.(2)G.</b> period 8s lt. 1s, ec. 2s lt. 3s, ec. 2s	112 34	8	White column, red bands, white square daymark; 98.	Visible 012°-282°. Synchronized with front.
2889 K 4963	--Fara Ute Range, front.	17° 32.0' S 149° 34.3' W	<b>FI.R.</b> period 3s fl. 1s, ec. 2s	52 16	5	White metal column, red bands, white rectangular daymark; 52.	
2890 K 4963.1	---Rear, 110 meters 026°24' from front.	17° 32.0' S 149° 34.2' W	<b>FI.R.</b> period 3s fl. 1s, ec. 2s	66 20	5	White metal column, red bands, white rectangular daymark; 66.	
2892 K 4962	--Papeete Inner Range, front.	17° 32.4' S 149° 34.3' W	<b>Oc.G.</b> period 4s lt. 3s, ec. 1s	56 17	5	White metal column, red bands, white rectangular daymark; 30.	
2896 K 4962.1	---Rear, 60 meters 087°36' from front.	17° 32.4' S 149° 34.3' W	<b>Oc.G.</b> period 4s lt. 3s, ec. 1s	69 21	5	White metal column, red bands, white rectangular daymark; 62.	Synchronized with front.
2900 K 4958	--Papeete Harbor, A1, E. side of Recif Soatooi.	17° 32.5' S 149° 35.1' W	<b>FI.G.</b> period 2.5s fl. 0.5s, ec. 2s	19 6	4	STARBOARD (A) G, beacon, topmark; 13.	
2904 K 4958.3	--S. side of Recif Soatooi.	17° 32.5' S 149° 35.1' W	<b>V.Q.(6)+L.FI.W.</b> period 10s	10 3	4	S. CARDINAL YB, beacon, topmark.	
2908 K 4964	--Chenal de Faa.	17° 32.6' S 149° 35.3' W	<b>Q.G.</b>	13 4	3	STARBOARD (A) G, beacon, topmark; 20.	
2916 K 4964.3	--Chenal de Faa.	17° 32.7' S 149° 35.9' W	<b>FI.R.</b> period 2.5s fl. 0.5s, ec. 2s	16 5	5	PORT (A) R, beacon, topmark; 20.	
2920 K 4959	---A2, on reef.	17° 32.3' S 149° 34.9' W	<b>FI.R.</b> period 2.5s fl. 0.5s, ec. 2s	19 6	4	PORT (A) R, beacon, topmark; 26.	
2922 K 4958.6	---N.	17° 32.2' S 149° 34.9' W	<b>Q.W.</b>	13 4	3	N. CARDINAL BY, beacon, topmark.	
2924 K 4964.51	--Pointe Faaa, NW.	17° 33.1' S 149° 37.9' W	<b>FI.(2)G.</b> period 6s	43 13	7	White pylon; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
2925 <i>K 4964.65</i>	--Chenal de Faa.	17° 33.8' S 149° 37.3' W	<b>Iso.G.</b> period 4s	13 4	3	STARBOARD (A) G, beacon, topmark; 10.	
2926 <i>K 4965.2</i>	--Chenal de Faa.	17° 35.4' S 149° 37.0' W	<b>Q.R.</b>	13 4	3	Red beacon, red square daymark; 23.	
2926.3 <i>K 4964.25</i>	---N.	17° 32.6' S 149° 35.7' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	3	STARBOARD (A) G, beacon, topmark; 20.	
2933 <i>K 4966.8</i>	--Passe de Papeiri Range, front.	17° 42.9' S 149° 18.6' W	<b>Iso.W.</b> period 4s	312 95	8	Red and white column; 20.	
2933.1 <i>K 4966.81</i>	--Rear, 160 meters 242°42' from front.	17° 43.0' S 149° 18.6' W	<b>Iso.W.</b> period 4s	371 113	8	Column, white rectangular daymark, red stripe; 7.	
2935 <i>K 4966.9</i>	--Taravao.	17° 43.2' S 149° 18.3' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	7 2	3	STARBOARD (A) G, beacon, topmark; 16.	
2936 <i>K 4966</i>	--Mouillage de Vairoa Range, front.	17° 47.4' S 149° 17.3' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	236 72	8	Pylon, white rectangular daymark; 39.	
2940 <i>K 4966.001</i>	--Rear, 106 meters 057° from front.	17° 47.4' S 149° 17.8' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	285 87	8	White rectangular daymark; 13.	Synchronized with front.
2940.5 <i>K 4967</i>	--Boudeuse Pass, S. side.	17° 36.5' S 149° 17.8' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	5	PORT (A) R, beacon, topmark; 23.	
-Huahine:							
2944 <i>K 4969</i>	--Avamoa Pass Range, front.	16° 43.0' S 151° 02.0' W	<b>Iso.G.</b> period 4s	105 32	6	White column, red bands, white rectangular daymark; 49.	Visible on range line only.
2948 <i>K 4969.1</i>	--Rear, 180 meters 126°18' from front.	16° 43.2' S 151° 01.7' W	<b>Iso.G.</b> period 4s	131 40	5	White column, red bands, white rectangular daymark; 49.	Visible on range line only. Synchronized with front.
2948.4 <i>K 4969.35</i>	--S. side.	16° 42.8' S 151° 02.4' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	17 5	5	STARBOARD (A) G, beacon, topmark; 27.	
2948.6 <i>K 4969.4</i>	--S. side.	16° 43.0' S 151° 02.3' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	14 4	3	STARBOARD (A) G, beacon, topmark; 23.	
2948.8 <i>K 4969.45</i>	--Beacon.	16° 43.1' S 151° 02.1' W	<b>Q.(3)W.</b> period 10s	14 4	4	E. CARDINAL BYB, beacon, topmark.	
2949 <i>K 4969.48</i>	--Point Ofaioirio, NW.	16° 43.2' S 151° 02.1' W	<b>Q.G.</b>	10 3	3	STARBOARD (A) G, beacon, topmark; 40.	
2949.2 <i>K 4969.5</i>	--Avapehi Pass, front.	16° 43.6' S 151° 02.2' W	<b>Oc.G.</b> period 4s lt. 3s, ec. 1s	43 13	6	Green pylon, white top; 50.	
2949.4 <i>K 4969.51</i>	---Rear, 180 meters 094°30' from front.	16° 43.6' S 151° 02.1' W	<b>Oc.G.</b> period 4s	69 21	6	White rectangular daymark; 10.	Synchronized with front.
2949.6 <i>K 4969.6</i>	--S. side.	16° 43.7' S 151° 02.8' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	17 5	5	STARBOARD (A) G, beacon, topmark; 30.	
2949.8 <i>K 4969.65</i>	--N. side.	16° 43.6' S 151° 02.5' W	<b>V.Q.(6)+L.Fl.W.</b> period 10s	10 3	4	S. CARDINAL YB, beacon, topmark; 40.	
2951 <i>K 4969.7</i>	--Farerea Pass Range, front.	16° 44.9' S 150° 58.8' W	<b>Iso.G.</b> period 4s	23 7	6	Green metal pylon, white top; 30.	
2951.1 <i>K 4969.71</i>	---Rear, 385 meters 262°30' from front.	16° 44.9' S 150° 58.8' W	<b>Iso.G.</b> period 4s	52 16	6	Green metal pylon, white top; 49.	
-Raiatea:							
2952 <i>K 4970</i>	--N. Pass Range, front.	16° 44.7' S 151° 26.2' W	<b>Oc.R.</b> period 4s lt. 3s, ec. 1s	62 19	7	Red column, white bands; 69.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
2956 K 4970.1	--Rear, 280 meters 268.9° from front.	16° 44.6' S 151° 26.2' W	<b>Oc.R.</b> period 4s lt. 3s, ec. 1s	102 31	7	Red column, white bands on truncated pyramidal base; 36.	Synchronized with front.
2957 K 4970.3	--Ile Ofetaro, N. end.	16° 44.6' S 151° 25.2' W	<b>Q.G.</b>	16 5	5	Green beacon, green square daymark; 26.	
2958 K 4970.5	--Beacon.	16° 44.5' S 151° 25.3' W	<b>Iso.R.</b> period 3s	16 5	4	Red beacon, red square daymark; 20.	
2959 K 4970.4	--Ile Taoru, S. end.	16° 44.7' S 151° 25.3' W	<b>Iso.R.</b> period 3s	16 5	4	Red beacon, red triangular topmark point up; 20.	
2959.5 K 4970.7	--Pointe Tonoj, NE.	16° 44.1' S 151° 25.8' W	<b>Iso.G.</b> period 3s	16 5	5	STARBOARD (A) G, beacon, topmark; 13.	
2968 K 4971.55	-- <b>Pointe Motutapu</b> AVIATION LIGHT.	16° 43.5' S 151° 27.6' W	<b>U.Q.(5)W.</b> period 12s	33 10	30	Pylon.	F.R. on Mount Tapioi 1 mile SE. 2 F.R. 0.5 mile SW. Occasional.
2968.5 K 4971.3	--Beacon.	16° 43.6' S 151° 26.1' W	<b>Fl.(2)G.</b> period 6s	16 5	5	STARBOARD (A) G, beacon, topmark; 16.	
2969 K 4971.32	--Pointe Ofaiputupu.	16° 43.4' S 151° 26.5' W	<b>Q.W.</b>	10 3	5	N. CARDINAL BY, beacon, topmark; 30.	
2969.5 K 4971.33	--N.	16° 43.2' S 151° 26.8' W	<b>Oc.(2)Y.</b> period 6s	10 3	5	SPECIAL Y, beacon, "X" topmark; 30.	
2970 K 4971.34	--Passage Tearearahi.	16° 42.7' S 151° 27.5' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	5	STARBOARD (A) G, beacon, topmark; 20.	
2970.5 K 4971.36	--Beacon.	16° 42.9' S 151° 27.8' W	<b>Q.W.</b>	10 3	4	N. CARDINAL BY, beacon, topmark; 16.	
2971 K 4971.4	--Teruaheve Reef, E. passage, E. side.	16° 42.5' S 151° 27.6' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	16 5	5	STARBOARD (A) G, beacon, topmark; 26.	
2972 K 4971.5	--Rautoanui Passage Range, front.	16° 45.5' S 151° 29.5' W	<b>Fl.G.</b> period 2.5s	13 4	5	White metal column; 16.	
2976 K 4971.51	--Rear, 129 meters 083°30' from front.	16° 45.5' S 151° 29.4' W	<b>Fl.G.</b> period 2.5s	33 10	5	White metal column; 33.	Synchronized with front.
2977 K 4971.85	--Pointe Tenape.	16° 44.7' S 151° 29.3' W	<b>Iso.R.</b> period 4s	13 4	5	PORT (A) R, beacon, topmark; 13.	
2977.5 K 4971.65	--Pointe Oporo.	16° 43.7' S 151° 28.8' W	<b>V.Q.(9)W.</b> period 10s	13 4	4	W. CARDINAL YBY, beacon, topmark; 20.	
-Bora Bora:							
2982 K 4982	-- <b>Pte. Te turi roa.</b>	16° 32.8' S 151° 47.4' W	<b>Fl.W.</b> period 5s	43 13	15	White pylon; 43.	
2984 K 4982.6	--Passe de Teavanui Range, front.	16° 30.2' S 151° 45.2' W	<b>Iso.R.</b> period 4s	26 8	5	White pylon, red bands; 26.	
2984.1 K 4982.61	--Rear, 200 meters 113°30' from front.	16° 30.2' S 151° 45.1' W	<b>Iso.R.</b> period 4s	52 16	5	White pylon, red bands; 53.	Synchronized with front.
2986 K 4982.9	--No. 5.	16° 30.3' S 151° 45.7' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	7 2	5	STARBOARD (A) G, beacon, topmark; 30.	
2988 K 4983.05	--Vaitape.	16° 30.4' S 151° 45.2' W	<b>Fl.R.</b> period 2.5s	16 5	4	PORT (A) R, column, topmark; 20.	
2992 K 4983	--Pointe Pahua.	16° 29.7' S 151° 45.8' W	<b>Q.(9)W.</b> period 15s	10 3	4	W. CARDINAL YBY, beacon, topmark; 20.	
2996 K 4983.4	--Pointe Papuaa.	16° 27.8' S 151° 45.4' W	<b>Fl.G.</b> period 2.5s	10 3	5	STARBOARD (A) G, beacon, topmark; 20.	
3000 K 4983.5	--Motu Mute AVIATION LIGHT.	16° 26.6' S 151° 45.3' W	<b>Fl.(3+1)W.</b> period 12s	59 18		Tower; 49.	Occasional. <b>Aero Radiobeacon.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
3001 K 4983.7	--Baie Taimou.	16° 27.9' S 151° 43.9' W	<b>Fl.R.</b> period 4s	10 3	3	PORT (A) R, beacon, topmark; 26.	
3001.1 K 4983.78	--Pointe Puhia.	16° 28.7' S 151° 43.0' W	<b>Q.R.</b>	7 2	3	PORT (A) R, beacon, topmark; 16.	
3001.2 K 4983.74	--NE.	16° 28.6' S 151° 42.9' W	<b>V.Q.(3)W.</b> period 5s	7 2	3	E. CARDINAL BYB, beacon, topmark; 16.	
3001.3 K 4983.78	--E.	16° 28.2' S 151° 43.1' W	<b>Q.R.</b>	7 2	3	PORT (A) R, beacon, topmark; 16.	
3001.4 K 4983.76	--ENE.	16° 28.6' S 151° 42.9' W	<b>Q.G.</b>	7 2	3	STARBOARD (A) G, beacon, topmark; 16.	
3002 K 4984.2	--Pointe Mohia.	16° 31.1' S 151° 43.1' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	3	PORT (A) R, beacon, topmark; 16.	
3002.1 K 4983.8	--Tianoa.	16° 29.0' S 151° 42.9' W	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	10 3	3	STARBOARD (A) G, beacon, topmark; 16.	
3002.2 K 4984	--Tuiahora.	16° 29.5' S 151° 42.7' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	3	STARBOARD (A) G, beacon, topmark; 16.	
3003 K 4984.1	--East Channel.	16° 29.8' S 151° 42.6' W	<b>V.Q.(9)W.</b> period 10s	10 3	5	W. CARDINAL YBY, beacon, topmark; 23.	
3006 K 4967.5	<b>-Tetiaroa Atoll.</b>	17° 02.9' S 149° 32.9' W	<b>Fl.(2)W.</b> period 10s	49 15	15	White pylon, red top; 49.	
	-Moorea:						
3008 K 4968.2	<b>--Pointe Aroa.</b>	17° 28.4' S 149° 46.5' W	<b>Fl.(4)W.</b> period 20s	75 23	18	White pylon; 72.	
3009 K 4968	--Pointe Pavau Range, front.	17° 29.3' S 149° 49.1' W	<b>Iso.R.</b> period 4s	26 8	4	White pylon; 26.	
3009.5 K 4968.1	---Rear, 143 meters 148°12' from front.	17° 29.4' S 149° 49.1' W	<b>Iso.R.</b> period 4s	39 12	4	White pylon; 33.	Synchronized with front.
3015 K 4968.13	--Paopao Range, front.	17° 30.0' S 149° 49.4' W	<b>Iso.W.</b> period 4s	17 5	4	White pylon, red bands; 19.	
3015.5 K 4968.14	---Rear, 178 meters 191°12' from front.	17° 30.1' S 149° 49.4' W	<b>Iso.W.</b> period 4s	29 9	4	White pylon, red bands; 33.	Synchronized with front.
3016 K 4968.12	--Beacon.	17° 29.8' S 149° 49.1' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	13 4	4	Red beacon, red square daymark; 20.	
3018 K 4968.15	--Paopao.	17° 30.3' S 149° 49.2' W	<b>Q.R.</b>	16 5	4	Red column, red square daymark; 20.	
3020 K 4968.3	--Vaiare Range, front.	17° 31.4' S 149° 46.4' W	<b>Iso.R.</b> period 4s	26 8	7	White metal column, red top; 26.	
3021 K 4968.31	---Rear, 300 meters 272° from front.	17° 31.4' S 149° 46.6' W	<b>Iso.R.</b> period 4s	46 14	7	White metal column, red top; 49.	Synchronized with front.
3021.2 K 4968.25	--Point Ofairau.	17° 31.2' S 149° 46.5' W	<b>Q.G.</b>	16 5	4	STARBOARD (A) G, beacon, topmark; 20.	
3021.5 K 4968.5	--Passe Vaiare, N. side.	17° 31.4' S 149° 45.8' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	20 6	5	STARBOARD (A) G, beacon, topmark; 23.	
3024 K 4968.6	---S. side.	17° 31.5' S 149° 45.8' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	20 6	5	PORT (A) R, beacon, topmark; 26.	
3024.2 K 4968.91	--Passe Tareu Range, front.	17° 30.5' S 149° 51.1' W	<b>Fl.R.</b> period 4s	16 5	6	Pylon, white rectangular daymark; 23.	
3024.4 K 4968.92	---Rear, 200 meters 156°54' from front.	17° 30.6' S 149° 51.1' W	<b>Fl.R.</b> period 4s	39 12	6	Pylon, white rectangular daymark; 46.	Synchronized with front.

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<b>SOUTH PACIFIC ISLANDS</b>							
3025 K 4968.4	--Pointe Paroa.	17° 36.3' S 149° 49.0' W	<b>Fl.(3)W.</b> period 15s	43 13	18	White column, red band; 43.	
COOK ISLANDS (N.Z.):							
-Rarotonga:							
3038 K 4551.5	--Pokoinu AVIATION LIGHT.	21° 12.1' S 159° 48.9' W	<b>Fl.W.</b> period 4s			White concrete structure.	Occasional.
3052 K 4552	--Avarua Range, front.	21° 12.4' S 159° 46.5' W	<b>Oc.Bu.</b> period 8s		2	Orange triangular daymark point up.	
3056 K 4552.1	---Rear, 18 meters 177°44' from front.	21° 12.4' S 159° 46.5' W	<b>Oc.Bu.</b> period 8s		2	Orange triangular daymark point down.	
3060 K 4559	--Avatiu Harbor Range, front.	21° 12.3' S 159° 47.1' W	<b>F.Bu.</b>	20 6	2	Orange triangular daymark point up; 30.	
3064 K 4559.1	---Rear, 50 meters 193°01' from front.	21° 12.4' S 159° 47.1' W	<b>F.Bu.</b>	39 12	2	Orange triangular daymark point down; 39.	
3076 K 4570	-Aitutaki Atoll.	18° 50.3' S 159° 46.8' W	<b>Fl.(2)W.</b> period 9s fl. 0.5s, ec. 1s fl. 0.5s, ec. 7s	423 129	7	Red and white framework tower; 16.	3 F.R. (vert.) 8M on tower 0.9 mile NNE. 3 F.R. (horiz.) 6M 1 mile NE.
3077 K 4571	--Arutunga Anchorage Range, front.	18° 51.9' S 159° 48.0' W	<b>F.R.</b>			White mast, red triangular daymark point up.	Occasional.
3077.1 K 4571.1	---Rear, 280 meters 145°49' from front.	18° 52.0' S 159° 47.9' W	<b>F.R.</b>			White mast, red triangular daymark point up.	Occasional.
SAMOA ISLANDS:							
-Tutuila:							
--Pago Pago Harbor:							
3088 K 4576	---Breaker Point, E. side of entrance.	14° 17.4' S 170° 39.8' W	<b>Fl.W.R.</b> period 6s	190 58	W. 8 R. 6	Column, black and white checkered diamond daymark; 27.	Red 150°-170°. Visible from channel between Tutuila Island and Aunuu Island into Pago Pago harbor.
3092 K 4580	---N. shore of Harbor Range, front.	14° 16.1' S 170° 40.5' W	<b>Q.R.</b>	36 11		Framework tower, red rectangular daymark, white stripe.	Visible 338°-346°.
3096 K 4580.1	----Rear, 231 meters 342° from front.	14° 16.0' S 170° 40.5' W	<b>Iso.R.</b> period 6s	184 56		Square structure, red rectangular daymark, white stripe; 10.	Visible 338°-346°.
-Upolu:							
3108 K 4594	--Fanuatapu.	14° 00.0' S 171° 22.8' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	209 64	20	Aluminum column; 10.	Visible 131°-052°.
--Apia Harbor:							
3112 K 4598	---Range, front.	13° 49.8' S 171° 46.0' W	<b>Fl.G.</b>	54 16	10	White wooden tower, red bands; 54.	
3116 K 4598.1	----Rear, Mount Vaea Vorberg, 0.76 mile 194° from front.	13° 50.5' S 171° 46.1' W	<b>Fl.W.</b> period 3s	220 67	20	White metal tower, red bands; 20.	
3118 K 4600	---E. breakwater, head.	13° 49.5' S 171° 45.8' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	31 9	5	White metal tower.	
3119 K 4602	---RoRo jetty, head.	13° 49.5' S 171° 45.7' W	<b>Fl.Y.</b> period 4s			Beacon.	
3120 K 4603	---Wharf, head.	13° 49.7' S 171° 46.2' W	<b>Fl.R.</b> period 4s	11 3	3	Post.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
3128 K 4608	--Malua, on reef.	13° 45.7' S 171° 50.2' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	10 3	10	Square concrete tower; 10.	
3132 K 4612	--Mulifanua Range, front.	13° 48.9' S 172° 02.3' W	<b>L.Fl.W.</b> period 8s	18 5	6	White metal framework tower, red top; 20.	
3136 K 4612.1	---Rear, 0.18 mile 148° from front.	13° 49.0' S 172° 02.2' W	<b>F.W.</b> period 4s	26 8	6	White concrete column; 26.	
3138 K 4613	--Range, front.	13° 49.4' S 172° 01.9' W	<b>F.R.</b>	33 10		White metal column, red bands; 33.	
3139 K 4613.1	---Rear, 170 meters 129° from front.	13° 49.5' S 172° 01.8' W	<b>F.R.</b>	39 12		White metal column, red bands; 39.	
3139.5 K 4613.5	--Manono.	13° 49.9' S 172° 06.7' W	<b>Fl.R.</b> period 4s	13 4	3	ISOLATED DANGER BRB, beacon, topmark.	
3139.56 K 4613.6	---SE.	13° 50.5' S 172° 05.5' W	<b>Fl.W.</b> period 4s	16 5	6	SAFE WATER RW, beacon, topmark.	
3140 K 4614	-- <b>Apolima.</b>	13° 48.8' S 172° 08.5' W	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	279 85	20	Round metal tower; 23.	Visible 020°-276°.
-Savaii:							
3144 K 4620	--Salelologa Range, front.	13° 45.0' S 172° 12.0' W	<b>Fl.W.</b> period 2s	21 6	6	White concrete column.	
3148 K 4620.1	---Rear, 0.33 mile 312° from front.	13° 44.6' S 172° 12.6' W	<b>Iso.W.</b> period 4s	26 8	6	White concrete column.	
3150 K 4620.5	--On reef.	13° 44.5' S 172° 12.6' W	<b>L.Fl.R.</b> period 9s fl. 2s, ec. 7s	6 2	2	White concrete column.	
ILES WALLIS:							
3152 K 4760	-Ile Uvea, Honikulu Pass Range, front.	13° 22.7' S 176° 10.5' W	<b>F.Bu.</b>	26 8	3	White column, white triangular daymark point up; 26.	
3152.1 K 4760.1	---Rear, 2.7 miles 032°18' from front.	13° 20.4' S 176° 09.0' W	<b>Iso.W.</b> period 4s	322 98	8	Gray wall; 23.	
3152.3 K 4760.35	--No. 2.	13° 23.2' S 176° 10.9' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	5	PORT (A) R, beacon, topmark; 13.	
3152.4 K 4760.5	--No. 3.	13° 23.1' S 176° 10.7' W	<b>Q.G.</b>	10 3	3	STARBOARD (A) G, beacon, topmark; 13.	
3153 K 4760.7	-Faioa Pass, No. 6.	13° 22.0' S 176° 08.7' W	<b>L.Fl.R.</b> period 10s fl. 3s, ec. 7s	10 3	3	PORT (A) R, beacon, topmark; 13.	
3153.3 K 4760.75	--No. 7.	13° 22.0' S 176° 08.5' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	3	STARBOARD (A) G, beacon, topmark; 13.	
3153.6 K 4760.8	--No. 10.	13° 21.6' S 176° 08.3' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	3	PORT (A) R, beacon, topmark; 13.	
3154 K 4760.9	-Matalaa Anchorage, No. 11.	13° 21.2' S 176° 07.7' W	<b>Q.G.</b>	10 3	3	STARBOARD (A) G, beacon, topmark.	
3154.5 K 4761	--No. 16.	13° 20.7' S 176° 07.5' W	<b>Q.(3)W.</b> period 10s	10 3	4	E. CARDINAL BYB, beacon, topmark; 13.	
3155 K 4761.2	-Mata Utu Bay, No. 18.	13° 19.9' S 176° 07.3' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	10 3	3	PORT (A) R, beacon, topmark; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
3155.2 <i>K 4761.3</i>	--No. 20.	13° 18.8' S 176° 07.5' W	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	3	PORT (A) R, beacon, topmark; 13.	
3155.4 <i>K 4761.35</i>	--No. 15.	13° 18.7' S 176° 07.5' W	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	3	STARBOARD (A) G, beacon, topmark; 13.	
3155.6 <i>K 4761.5</i>	--Anchorage, No. 22.	13° 18.0' S 176° 07.4' W	<b>Q.(3)W.</b> period 10s	10 3	4	E. CARDINAL BYB, beacon, topmark; 13.	
3155.8 <i>K 4761.55</i>	--No. 17.	13° 17.5' S 176° 07.2' W	<b>Fl.(2)G.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	10 3	3	STARBOARD (A) G, beacon, topmark; 13.	
TONGA ISLANDS:							
-Niue (Savage) Island:							
3170 <i>K 4622</i>	--Muitolo Point.	18° 37.9' S 174° 04.5' W	<b>L.Fl.W.</b> period 12s fl. 2s, ec. 10s	174 53	10	Aluminum tower; 30.	
-Vavau Group:							
3172 <i>K 4623</i>	--Neiaiu Range, front.	18° 38.9' S 173° 59.7' W	<b>Q.R.</b>		4		
3176 <i>K 4623.1</i>	---Rear, 410 meters 065°30' from front.	18° 38.9' S 173° 59.7' W	<b>Iso.R.</b> period 6s		4		
3180 <i>K 4624</i>	--Foiata.	18° 43.7' S 174° 09.0' W	<b>Q.(3)W.</b> period 10s	195 59	10	Red metal framework tower.	Visible 225°-072° and 106°154°.
-Ha'Apai Group:							
3182 <i>K 4628</i>	--Ha'ano Island, Mutoa Point.	19° 39.8' S 174° 18.1' W	<b>Fl.(2)W.</b> period 10s	39 12	10	Framework tower; 30.	
3184 <i>K 4630</i>	--Lifuka, Hakau Muikuku.	19° 46.0' S 174° 22.0' W	<b>Fl.R.</b> period 6s	22 7	4	Metal mast, round concrete base; 22.	
3184.5 <i>K 4630.5</i>	--Hakau Mataleingale.	19° 47.0' S 174° 21.7' W	<b>Q.(3)G.</b> period 6s	20 6	4	Pile.	
3184.7 <i>K 4631</i>	--Pukefeo.	19° 47.3' S 174° 21.6' W	<b>Fl.W.</b> period 3s	20 6	4	Pile.	
3185 <i>K 4631.5</i>	--Hakau Vonu.	19° 48.1' S 174° 21.6' W	<b>Fl.G.</b> period 3s	20 6	4	Pile.	
3192 <i>K 4632</i>	--Hakau Loa, N. end.	19° 48.4' S 174° 22.6' W	<b>Fl.G.</b> period 5s	20 6	4	Pile.	
3194 <i>K 4635</i>	--Kito Reef, Uoleva Island.	19° 50.1' S 174° 25.4' W	<b>Fl.W.</b> period 5s	20 6	6	Pile.	
3194.2 <i>K 4636</i>	--Makuata Island.	19° 50.7' S 174° 31.4' W	<b>Fl.W.</b> period 10s	39 12	10	Framework tower; 30.	Visible 140°-100°.
3194.6 <i>K 4636.5</i>	--Tatafa Island.	19° 52.1' S 174° 25.9' W	<b>Fl.G.</b> period 5s	20 6	5	Pile.	
-Lulunga Group:							
3197 <i>K 4637</i>	--Ha'afeva Island.	19° 57.5' S 174° 41.3' W	<b>Fl.(4)W.</b> period 12s	20 6	10	Pile.	
3198 <i>K 4637.5</i>	--Fetoa Island.	19° 57.9' S 174° 43.7' W	<b>Fl.R.</b> period 6s	59 18	4	Framework tower; 20.	Visible 260°-090°.
3198.5 <i>K 4638.5</i>	--Kito Island.	19° 59.8' S 174° 47.6' W	<b>Q.(3)W.</b> period 10s	39 12	10	Framework tower; 30.	Visible 350°-240°.



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<b>SOUTH PACIFIC ISLANDS</b>							
3200 K 4639	--Nukulai Island.	20° 03.0' S 174° 44.0' W	<b>Oc.W.R.G.</b> period 7s fl. 4s, ec. 3s	80 24	8	Metal tower; 30.	G. 354°-110°, W.-113°, R.- 160°, W.-180°, R.-224°, W.-elsewhere.
3204 K 4639.5	--Tokulu Island, center.	20° 06.2' S 174° 47.6' W	<b>Fl.W.</b> period 3s	39 12	10	Metal tower; 30.	
	-Nomuka Iki:						
3208 K 4640	--Muifuiva.	20° 16.1' S 174° 48.9' W	<b>Fl.(2)W.</b> period 5s	49 15	10	Metal tower; 30.	
	-Tongatapu:						
3212 K 4646	--Hakau Mamao Beacon.	21° 00.0' S 175° 12.5' W	<b>Fl.G.</b> period 10s fl. 1.5s, ec. 8.5s	29 9	8	Aluminum tower.	
3214 K 4646.8	--Maria Bay Range, front.	21° 03.9' S 175° 15.4' W	<b>Q.W.</b>	20 6	4	Aluminum tower.	
3214.5 K 4646.81	---Rear, about 200 yards 141°38' from front.	21° 04.0' S 175° 15.3' W	<b>Iso.W.</b> period 4s	46 14	6	Aluminum tower.	
3215 K 4644.5	--Malinoa Range, front.	21° 01.9' S 175° 07.9' W	<b>Q.W.</b>	20 6	7	Aluminum tower.	
3216 K 4644.51	---Rear, 570 yards 145° from front.	21° 02.2' S 175° 07.7' W	<b>Iso.W.</b> period 6s	49 15	8	Red and white aluminum tower; 39.	
3220 K 4647	--Ualanga Lalu.	21° 06.1' S 175° 11.5' W	<b>Fl.W.R.</b> period 3s fl. 0.5s, ec. 2.5s	20 6	W. 7 R. 5	Aluminum framework tower.	W. 273°-278°, R.-273°.
3224 K 4647.4	--Ualanga Uta.	21° 06.9' S 175° 11.8' W	<b>Fl.G.</b> period 6s fl. 1s, ec. 5s	19 6	4	Aluminum framework tower.	
3226 K 4647.44	--Jetty, NW. head.	21° 07.8' S 175° 11.8' W	<b>Fl.G.</b>				
3226.5 K 4647.45	--SE., root.	21° 07.8' S 175° 11.8' W	<b>Fl.R.</b>				
3228 K 4647.6	--Monu Reef.	21° 07.5' S 175° 11.1' W	<b>L.Fl.G.</b> period 5s fl. 2s, ec. 3s	19 6	4	Aluminum framework tower.	
3228.2 K 4647.7	---SE.	21° 07.7' S 175° 11.0' W	<b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s	10 3	1	STARBOARD (A) G, beacon, topmark.	
3229 K 4648	--Pangaimotu Island, W. Reef.	21° 07.2' S 175° 10.1' W	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s	10 3	1	PORT (A) R, beacon, topmark.	
3230 K 4649.2	--Touliki Moor, W. side.	21° 08.3' S 175° 10.6' W	<b>Fl.G.</b> period 3s	10 3	4		
3230.5 K 4649.25	---E. side.	21° 08.3' S 175° 10.6' W	<b>Fl.R.</b> period 3s	10 3	4		
3232 K 4649.3	--Boat harbor, E. mole.	21° 08.2' S 175° 11.0' W	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	16 5	2	Red triangular metal tower.	
3233 K 4655	--Mui Hopohoponga.	21° 08.9' S 175° 02.0' W	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s	33 10	10		
3234 K 4651	--Piha Passage Range, front.	21° 06.9' S 175° 09.1' W	<b>Q.R.</b>	23 7	4	Aluminum tower.	
3234.5 K 4651.1	---Rear, 380 yards 264°56' from front.	21° 06.9' S 175° 09.2' W	<b>Iso.R.</b> period 6s	43 13	4	Aluminum tower.	Visible 167°-005°.
3235 K 4651.5	--The Narrows Range, front.	21° 05.3' S 175° 09.2' W	<b>V.Q.W.</b>	16 5	4	Aluminum tower.	Obscured 075°-116°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOUTH PACIFIC ISLANDS</b>							
3235.5 K 4651.51	--Rear, 400 yards 342°30' from front.	21° 05.0' S 175° 09.3' W	<b>Iso.W.</b> period 4s	36 11	4	Aluminum tower.	Obscured 008°-048°.
3235.7 K 4651.7	--Makaha'a.	21° 06.5' S 175° 09.1' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	19 6	4	Aluminum tower.	
3235.9 K 4650	--Makaha's Passage.	21° 07.2' S 175° 09.3' W	<b>Fl.G.</b> period 4s	10 3	1		
	-Eua Island:						
3245 K 4654.7	--Ohonua.	21° 20.4' S 174° 57.3' W	<b>Oc.R.</b> period 4s lt. 3s, ec. 1s		10	Aluminum tower.	
<b>FIJI ISLANDS</b>							
3252 K 4751	Rock Island.	17° 16.4' S 179° 39.1' W	<b>Fl.(3)W.</b> period 10s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 6.5s	36 11	12	Metal tripod tower; 23.	Visible 262°-250°.
3260 K 4752	<b>Welangilala.</b>	16° 44.6' S 179° 06.4' W	<b>Fl.W.</b> period 5s	95 29	18	White round metal tower; 95.	
3264 K 4756	<b>Nggele Levu.</b>	16° 05.5' S 179° 09.0' W	<b>Fl.(2)W.</b> period 12s	108 33	15	Framework tower; 89.	
	VANUA LEVU:						
3268 K 4748	<b>-Cape Undu.</b>	16° 07.8' S 179° 57.2' W	<b>Fl.(2)W.</b> period 25s	161 49	17	White hexagonal tower, concrete base; 20.	
3272 K 4747	-Malau.	16° 21.5' S 179° 21.9' E	<b>FR.</b>	89 27		On bulk loading tower.	
3276 K 4744	-Point Reef, E. extremity, Savusavu Bay.	16° 49.9' S 179° 16.0' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	25 8	10	White hexagonal concrete tower; 30.	Obscured by land when bearing less than 250°.
3284 K 4746.5	<b>-Kia Island.</b>	16° 13.4' S 179° 05.8' E	<b>Fl.W.</b> period 5s	229 70	15	Metal tower; 26.	Visible 109°-008°.
3288 K 4750	Taveuni Island, on Vuna Point.	16° 57.9' S 179° 51.8' E	<b>L.Fl.W.</b> period 8s	34 10	10	White concrete tower.	Visible 315°-216°.
3292 K 4740	<b>Korolevu.</b>	17° 23.8' S 179° 22.1' E	<b>Fl.(2)W.</b> period 10s	203 62	18	White framework tower; 82.	Obscured by shore when bearing less than 250°.
3296 K 4733	Thakau Momo.	17° 38.7' S 179° 15.5' E	<b>Fl.W.</b> period 2s fl. 0.3s, ec. 1.7s	20 6	9	White concrete tower, red top; 20.	<b>Radar reflector.</b>
3300 K 4736	Nairai Range, front.	17° 49.9' S 179° 24.6' E	<b>F.W.</b>		5	White post, orange daymark.	
3304 K 4736.1	-Rear, about 100 yards 040° from front.	17° 49.7' S 179° 25.0' E	<b>F.W.</b>		5	White post, orange daymark.	
3308 K 4733.4	Makongai, summit.	17° 27.0' S 178° 57.7' E	<b>Fl.W.</b> period 7s fl. 1s, ec. 6s	890 271	14	Red metal framework tower, 13.	Regularly sighted at 38M.
3312 K 4730	<b>Wakaya Reefs.</b>	17° 41.5' S 179° 04.3' E	<b>Fl.(2)W.</b> period 15s fl. 0.3s, ec. 2s fl. 0.3s, ec. 12.4s	74 23	19	White octagonal tower, red band; 82.	
3316 K 4732	<b>Mbatiki Island.</b>	17° 46.5' S 179° 08.2' E	<b>Fl.W.</b> period 4.5s fl. 0.3s, ec. 4.2s	115 35	16	White octagonal tower, square concrete base; 20.	Visible 359°-241°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>FIJI ISLANDS</b>							
3320 K 4734	Singuma Harbor Range, front.	17° 56.9' S 179° 16.3' E	<b>F.Bu.</b>	10 3	5	Mast, orange triangular daymark point up; 20.	
3324 K 4734.1	-Rear, about 70 meters 138° from front.	17° 57.0' S 179° 16.0' E	<b>F.Bu.</b>	40 12	5	Mast, orange triangular daymark point down; 20.	
3328 K 4735	Yaciwa Island.	18° 08.2' S 179° 20.5' E	<b>Fl.W.</b> period 6s	56 17	9	White round concrete tower; 16.	
OVALAU (LEVUKA HARBOR):							
3332 K 4719	-North Ovalau Island, entrance.	17° 33.7' S 178° 50.9' E	<b>Fl.(3)W.</b> period 10s	26 8	10	Black framework tower, concrete base.	
3336 K 4722	-Na Tumbari Range, S. entrance, front.	17° 41.0' S 178° 49.9' E	<b>F.Bu.</b>	48 15	7	Church, orange neon triangular daymark point up.	
3340 K 4722.1	--Rear, 250 meters 263°08' from front.	17° 40.8' S 178° 50.2' E	<b>F.Bu.</b>	100 30	11	Pole, orange neon triangular daymark point down.	
3344 K 4726	-Queens Wharf, end of N. arm.	17° 41.0' S 178° 50.0' E	<b>F.G.</b>	23 7			
3348 K 4727	-Queens Wharf, end of S. arm.	17° 41.0' S 178° 50.5' E	<b>F.G.</b>	23 7		Mast.	
3352 K 4723	-Entrance, S. side of Na Tumbari.	17° 41.0' S 178° 50.9' E	<b>Fl.W.</b> period 2s fl. 0.1s, ec. 1.9s	30 9	5	White tower, tripod; 36.	
3356 K 4714.6	Yandua.	16° 49.1' S 178° 17.9' E	<b>Fl.(2)W.</b> period 15s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	655 200	14	Red metal framework tower; 13.	
3360 K 4716	-Channel E.	17° 16.1' S 178° 32.8' E	<b>Fl.W.</b> period 3s	40 12	11	Black framework tower, concrete pillar.	
3364 K 4717	--W.	17° 16.7' S 178° 29.0' E	<b>Fl.(2)W.</b> period 6s	40 12	11	Black framework tower, concrete pillar.	
VITI LEVU:							
3368 K 4668	-Nasilai Reef, SE. extremity, Rewa River entrance.	18° 08.0' S 178° 41.2' E	<b>L.Fl.(2)W.</b> period 30s fl. 2s, ec. 2s fl. 2s, ec. 24s	45 14	12	White square tower, red bands; 53.	
3372 K 4670	-Makuluva.	18° 11.3' S 178° 31.2' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	59 18	9	White mast, concrete structure.	F.R. lights on mast 7.1 miles N.
-Suva Harbor:							
3376 K 4686	--Walu Bay Range, front.	18° 07.9' S 178° 25.6' E	<b>F.Bu. (neon)</b>			Mast, orange triangular daymark point up.	
3380 K 4686.1	---Rear, 200 meters 102°13' from front.	18° 07.9' S 178° 25.7' E	<b>F.Bu. (neon)</b>			Mast, orange triangular daymark point up.	
3384 K 4687	--Hospital.	18° 08.1' S 178° 25.9' E	<b>F.R.</b>			Flagstaff on Hospital roof.	
3388 K 4684	--Tamavua, S. end of reef N. of Walu Creek.	18° 07.5' S 178° 25.5' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	4	Red beacon, triangular topmark point up; 16.	F.R. on radio mast about 1 mile 059°.
3392 K 4682	--Lami.	18° 07.6' S 178° 24.5' E	<b>Q.R.</b>	15 5	4	Red hexagonal tower, round top.	
3396 K 4672	--North Side Range, front.	18° 06.6' S 178° 24.2' E	<b>Oc.Bu.</b> period 5s	130 40	15	Red square tower, white stripe.	Visible 320°-038°.
3400 K 4672.1	---Rear, 1,189 meters 010°15' from front.	18° 05.9' S 178° 24.3' E	<b>Oc.Bu.</b> period 5s	338 103	15	Red square tower, white stripe.	Visible 325°-055°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>FIJI ISLANDS</b>							
3404 K 4678	--N. extremity of E. reef.	18° 08.2' S 178° 24.2' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	34 10	8	Green tower; 36.	<b>Radar reflector.</b>
3408 K 4677	--About 229 meters S. of NE. end of reef	18° 08.0' S 178° 23.7' E	<b>Fl.R.</b> period 6s	6 2	3	Beacon.	
3412 K 4676	--Near SE. extremity of W. reef at entrance	18° 08.6' S 178° 23.5' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	30 9	5	White round tower, red and white base; 33.	<b>Radar reflector.</b>
3416 K 4673	--E. side.	18° 07.3' S 178° 23.8' E	<b>Q.(2)R.</b> period 5s	18 5	4	Red concrete tower; 20.	
3424 K 4702	-Navula Reef, S. end.	17° 55.4' S 177° 12.7' E	<b>Fl.R.</b> period 3s		5		
3428 K 4706	-Navula Point.	17° 53.2' S 177° 14.9' E	<b>Fl.G.</b> period 2s		5		
3432 K 4704	-- <b>Momi Bay Range</b> , front.	17° 54.9' S 177° 16.4' E	<b>Iso.R.</b> period 2s	43 13	15	Concrete tripod, orange daymark, white stripe.	Obscured locally.
3436 K 4704.1	---Rear, about 1.9 km 077°15' from front.	17° 54.6' S 177° 17.5' E	<b>Iso.R.</b> period 2s	207 63	15	Tower, orange daymark, white stripe; 23.	Obscured locally.
3436.4 K 4706.5	-Black Rocks, AVIATION LIGHT.	17° 47.4' S 177° 12.7' E	<b>Fl.W.</b> period 7s	10 3	5	Wooden post, concrete base.	
3437 K 4708	-Tomba ko Nandi, AVIATION LIGHT.	17° 45.6' S 177° 26.8' E	<b>Al.Fl.W.G.</b> period 3.8s	141 43		Control tower; 75.	Occasional.
3440 K 4710	-Naikorokoro, W. end of reef, 2.2 km S. of point.	17° 39.2' S 177° 22.6' E	<b>Fl.(2)W.</b> period 6s	42 13	10	White structure, on black piles; 49.	<b>Aero Radiobeacon</b> 8.5 miles SSE.
3441 K 4710.5	-Pinder Reef, S.	17° 36.3' S 177° 24.2' E	<b>Fl.W.</b> period 8s	20 6	6	White structure, black stripe.	
3444 K 4712	-Vio, off N. end.	17° 36.1' S 177° 26.0' E	<b>Fl.W.</b> period 3s		4		
3448 K 4711	--Off SW. point.	17° 36.4' S 177° 25.9' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	20 6	5	Beacon.	
3452 K 4711.2	--Off SE. point.	17° 36.5' S 177° 26.1' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	20 6	5	Beacon.	
3456 K 4712.4	-Mbekana Island, on reef.	17° 35.6' S 177° 26.2' E	<b>Fl.(2)W.</b> period 5s	3 1	2	Concrete pile; 7.	
3460 K 4714	-Viwa, NW. point.	17° 07.0' S 176° 55.6' E	<b>Fl.(3)W.</b> period 15s	57 17	12	White metal framework tower; 49.	
3464 K 4661	- <b>Vatulele</b> .	18° 30.5' S 177° 36.4' E	<b>Fl.W.</b> period 10s	136 41	17	White concrete tower.	Visible 051°-304°. Partially obscured 304°-317° and 355°-007°.
3468 K 4695	SW. reef.	18° 30.2' S 177° 58.6' E	<b>Fl.(2)W.</b> period 5s	33 10	8	Mast on concrete structure; 30.	
3472 K 4694	<b>Mbengga</b> .	18° 24.3' S 178° 09.9' E	<b>Fl.(3)W.</b> period 12s	39 12	15	White metal tripod, yellow band.	Visible 240°-022°.
3476 K 4666	North Astrolabe Reef, (Solo Rock).	18° 38.2' S 178° 31.7' E	<b>L.Fl.W.</b> period 30s fl. 3s, ec. 27s	96 29	10	Red metal tower, white bands; 105.	
3480 K 4662	Cape Washington, W. end of Kandavu.	19° 06.6' S 177° 57.4' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	208 63	11	White metal framework tower; 26.	Obscured by shore when bearing less than 007°.
3484 K 4663	<b>Vanuatambu</b> .	19° 01.4' S 178° 28.4' E	<b>Fl.W.</b> period 2s fl. 0.1s, ec. 1.9s	165 50	15	Metal framework tower.	Visible 215°-055°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>FIJI ISLANDS</b>							
3488 <i>K 4758</i>	<b>Totoya Island.</b>	18° 59.4' S 179° 52.6' W	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 4.5s	249 76	20	Framework tower; 49.	Visible 251°-164°.
3492 <i>K 4759</i>	<b>Vatua.</b>	19° 48.4' S 178° 14.4' W	<b>Fl.W.</b> period 5s	229 70	21	Framework tower; 98.	Partially obscured by trees 300°-325° and 340°- 005°.
<b>NEW HEBRIDES</b>							
ESPIRITU SANTO ISLAND:							
3496 <i>K 4880</i>	-Palikoulo Point.	15° 28.4' S 167° 15.4' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 11.5s	75 23	14	White pylon; 69.	
3500 <i>K 4880.4</i>	-Luganville, Million Dollar Point.	15° 31.4' S 167° 14.8' E	<b>Fl.(4)W.</b> period 60s	39 12	8	Tower; 33.	
3504 <i>K 4880.6</i>	Aore Island.	15° 32.0' S 167° 12.8' E	<b>Fl.(2)W.R.G.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	79 24	W. 8 R. 6 G. 6	Pylon; 66.	W. 262°-270°, G.-321°, W.- 325°, R.-262°, obscured 308°-322°.
3508 <i>K 4880.7</i>	-Second (Segond) channel.	15° 34.9' S 167° 08.0' E	<b>Q.W.</b>	23 7	4	Pylon; 13.	
3512 <i>K 4877</i>	Tutuba.	15° 33.9' S 167° 17.8' E	<b>L.Fl.W.</b> period 5s fl. 2s, ec. 3s	79 24	7	White pylon; 69.	
3516 <i>K 4873</i>	Port Stanley.	16° 04.4' S 167° 26.2' E	<b>Fl.(3)W.</b> period 10s	39 12	8	White pylon; 20.	
3520 <i>K 4870</i>	-Sarmette (Meadus) Bay.	16° 11.0' S 167° 32.0' E	<b>2 F.W.</b>			Beacons, white triangular topmark point up.	Lights in range 233°. Shown on request.
3524 <i>K 4868</i>	-Lamap Point.	16° 25.8' S 167° 47.8' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	115 35	7	White post.	
AMBRYM ISLAND:							
3528 <i>K 4866</i>	-Ranon Anchorage Range, front.	16° 08.0' S 168° 07.0' E	<b>F.W.</b>	16 5		Beacon, white circular daymark.	Occasional.
3532 <i>K 4866.1</i>	--Rear 319° from front.	16° 08.4' S 168° 07.0' E	<b>F.W.</b>			Beacon, white circular daymark.	Occasional.
3536 <i>K 4867</i>	-Craig Point.	16° 15.6' S 167° 55.4' E	<b>Fl.W.</b> period 5s	62 19	10	White pylon; 20.	
EPI:							
3540 <i>K 4862</i>	-The Foreland.	16° 41.4' S 168° 07.4' E	<b>Fl.(4)W.</b> period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 15s	680 207	10	White metal framework tower; 66.	
EFATE:							
3552 <i>K 4854</i>	-Port-Vila.	17° 44.2' S 168° 18.9' E	<b>Dir.W.R.G</b>	141 43	10	Orange tower, orange triangular daymark point up.	F.G. 076°11.4'-077°45', F.W.- 078°15', F.R.-079°41.4'. Range 4M by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW HEBRIDES</b>							
3560 K 4858	-Eretoka Island.	17° 38.2' S 168° 09.3' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	315 96	8	Pylon; 66.	
3564 K 4855	-Pointe Mele AVIATION LIGHT.	17° 41.6' S 168° 16.0' E	<b>Iso.G.</b> period 4s	49 15	7	Mast; 49.	
3568 K 4855.5	--AVIATION LIGHT, 1.5 miles NNW.	17° 40.2' S 168° 15.4' E	<b>Iso.R.</b> period 4s	617 188	7	Mast.	
3572 K 4852	-Pango Point, S. extremity.	17° 46.9' S 168° 15.6' E	<b>Fl.W.</b> period 6s	72 22	11	White pylon.	
3576 K 4847	Erromango, Ountovin Point.	18° 51.8' S 168° 59.6' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	548 167	10	White pylon; 49.	
<b>NEW CALEDONIA</b>							
ILES LOYAUTE (LOYALTY ISLANDS):							
3584 K 4834	<b>-Ile Lifou.</b>	21° 03.5' S 167° 27.1' E	<b>Fl.(2+1)W.</b> period 15s fl. 0.1s, ec. 2.5s fl. 0.1s, ec. 6.1s fl. 0.1s, ec. 6.1s	295 90	15	White pylon, black top; 98.	
3585 K 4835	-Port de We Range, front.	20° 55.1' S 167° 16.8' E	<b>Fl.W.</b> period 4s	10 3	6	White post, white triangular topmark point up.	
3585.5 K 4835.1	--Rear, 16 meters 197° from front.	20° 55.0' S 167° 16.7' E	<b>Fl.W.</b> period 4s	33 10	6	Black column, white triangular topmark point down; 23.	
3586 K 4835.2	-Musoir.	20° 54.9' S 167° 16.9' E	<b>Q.R.</b>	27 8	4	Red and white tower; 16.	
3587 K 4836	-Port de Tadine, breakwater, head.	21° 32.8' S 167° 52.6' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	27 8	4		
ILE DES PINS:							
3598 K 4830	-Ilot Infernal.	22° 42.0' S 167° 22.2' E	<b>Fl.(3)W.</b> period 12s	49 15	13	White metal pylon.	
3599 K 4799.76	-Pic Meunier Range, front.	22° 38.3' S 167° 25.8' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	36 11	9	Pylon; 20.	
3599.1 K 4799.77	--Rear, 1841 meters 059°30' from front.	22° 38.8' S 167° 26.7' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	433 132	9	Metal support; 3.	On top of Pic Meunier. Synchronized with front.
3600 K 4790	<b>Puareti.</b>	22° 05.8' S 166° 55.8' E	<b>Fl.(4)W.</b> period 15s	295 90	24	Gray pylon; 59.	Visible 148°-328°.
CANAL DE LA HAVANNAH:							
3604 K 4795	-Passe de Goro.	22° 19.7' S 167° 02.3' E	<b>Fl.W.</b> period 4s fl. 1s, ec. 3s	82 25	11	White tower; 85.	
	-RACON		<b>G(- - •)</b>				(3 & 10cm).
PASSE DE BOULARI:							
3608 K 4797	-Recif Ioro.	22° 23.1' S 166° 57.7' E	<b>Iso.R.</b> period 4s	23 7	5	White tower, red top, marked "IORO" in black; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW CALEDONIA</b>							
3612 K 4794	-Cap N'Doua.	22° 23.3' S 166° 55.9' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	180 55	16	White pylon; 10.	Intensified 244°-250°. Reserve light range 8M.
3616 K 4794.1	--Middle, 280 meters 247° from front.	22° 23.5' S 166° 55.6' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	374 114	16	White pyramid; 10.	Intensified 244°-250°. Synchronized with front.
3620 K 4794.2	--Common rear, summit of cape, 830 meters 247° from Cap N'Doua front, 190 meters 339° from Cap N'Doua, point front.	22° 23.6' S 166° 55.3' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	620 189	14	White support; 20.	Synchronized with front.
3621 K 4794.21	-Cap N'Doua Range, point, front.	22° 23.7' S 166° 55.3' E	<b>Q.W.</b>	410 125	11	Metal mast; 3.	Visible 330°-348°.
<b>BAIE DU PRONY:</b>							
3624 K 4799	-Baie Est, E. entrance.	22° 23.8' S 166° 53.1' E	<b>Iso.W.G.</b> period 4s	36 11	W. 8 G. 6	White tower, green top; 39.	W. 274°-097°, G.-274°.
3626 K 4799.2	Ouara Bay, No. 1.	22° 24.7' S 166° 51.2' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	13 4	3	STARBOARD (A) G, beacon, topmark.	
3626.2 K 4799.24	-No. 3.	22° 25.1' S 166° 50.9' E	<b>Fl.(2)G.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	13 4	3	STARBOARD (A) G, beacon, topmark.	
3626.4 K 4799.28	-No. 5.	22° 25.3' S 166° 50.8' E	<b>Fl.(3)G.</b> period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	13 4	3	STARBOARD (A) G, beacon, topmark.	
3628 K 4799.6	Canal Woodin, S. side, Ile Ouen.	22° 23.6' S 166° 49.1' E	<b>Fl.W.R.</b> period 2.5s fl. 0.5s, ec. 2s	210 64	W. 9 R. 6	Red and white pylon, marked "Ile Ouen"; 23.	R. 180°-000°, W.-180°. Forms range 088° with Cap N'Doua common rear.
3632 K 4799.5	-N. side.	22° 23.0' S 166° 48.0' E	<b>Iso.W.G.</b> period 4s	39 12	W. 8 G. 5	White tower; 36.	W. 282°-288°, G.-045°, W.-064°, obsc.-282°.
3634 K 4799.68	-Recif Moziman.	22° 23.4' S 166° 50.9' E	<b>Q.(6)+L.Fl.W.</b> period 15s	23 7	6	S. CARDINAL YB, buoyant beacon, topmark.	
3635 K 4799.95	Ilot Tareti.	22° 23.2' S 166° 38.0' E	<b>Fl.(2+1)W.R.G.</b> period 10s	23 7	W. 11 R. 7 G. 7	White beacon.	W. 107°-110°, R.-273°, W.-289°, G.-107°.
3636 K 4800	Ilot Porc-Epic.	22° 19.6' S 166° 34.2' E	<b>Fl.(3)W.G.</b> period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	118 36	W. 11 G. 8	White tower; 16.	W. 291°-299°, G.-077°, W.-089°, obsc.-291°.
3637 K 4800.1	Basse Prevoyante.	22° 20.0' S 166° 32.5' E	<b>Q.W.</b>	13 4	5	N. CARDINAL BY, buoyant beacon, topmark.	<b>Radar reflector.</b>
<b>PASSE DE BOULARI:</b>							
3640 K 4802	-Passe Nord Range, front.	22° 28.7' S 166° 28.0' E	<b>Dir.Iso.W.</b> period 6s	56 17	11 6	Pylon on black and white tower; 59.	Intensified 047°-053°.
3644 K 4802.1	--Ile Amedee, rear, 210 meters 050° from front.	22° 28.6' S 166° 28.1' E	<b>Fl.(2)W.</b> period 10s	174 53	20	White tower; 174.	
3644.5 K 4803	---Shoal.	22° 28.6' S 166° 27.4' E	<b>Fl.G.</b> period 4s		4	STARBOARD (A) G, buoyant beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW CALEDONIA</b>							
3645 K 4800.3	-Basse Thisbe.	22° 26.8' S 166° 27.0' E	<b>Fl.(2)G.</b> period 6s			4 STARBOARD (A) G, buoyant beacon, topmark.	
3648 K 4804	-Recife Tabou, E. side.	22° 28.9' S 166° 27.0' E	<b>Oc.(4)W.R.</b> period 12s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 5s, ec. 1s	42 13	W. 10 R. 7	White tower, red top; 46.	W. 169°-179°, R.-282°, W.- 022°, obsc.-169°.
3648.1 K 4804.3	-Recif To.	22° 30.6' S 166° 27.3' E	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s			2 PORT (A) R, buoyant beacon, topmark.	
3648.2 K 4805	-Recif Le Sournois, NE.	22° 31.2' S 166° 27.2' E	<b>Q.W.</b>			6 N. CARDINAL BY, buoyant beacon, topmark.	
3649 K 4799.8	Recif Ila.	22° 27.2' S 166° 45.8' E	<b>Fl.W.R.G.</b> period 4s fl. 1s, ec. 3s			W. 8 R. 5 G. 5	White pylon; 23. W. 133°-148°, R.-299°, G.- 133°.
3650 K 4799.9	Ilot Mbe.	22° 28.8' S 166° 33.7' E	<b>Fl.(2)W.R.G.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s			W. 8 R. 5 G. 5	White pylon. W. 135°-152°, R.-287°, W.- 303°, G.-135°.
3652 K 4800.5	Ile Maitre.	22° 20.7' S 166° 25.5' E	<b>Q.R.</b>	33 10		5 White tower, red top; 36.	
3653 K 4807	Recif Abore.	22° 27.8' S 166° 31.2' E	<b>Fl.(3)G.</b> period 12s	23 7		6 STARBOARD (A) G, beacon, topmark.	
3654 K 4802.5	-W.	22° 27.8' S 166° 30.3' E	<b>Fl.(2)R.</b> period 6s	23 7		6 PORT (A) R, beacon, topmark.	
NOUMEA:							
3656 K 4812	-Ile Nou Range, front.	22° 16.3' S 166° 25.0' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	82 25		12 White metal support; 33.	Intensified 337°-357°.
3660 K 4812.1	--Sommet Ducos, rear, 380 meters 347° from front.	22° 16.1' S 166° 25.0' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	233 71		12 Square shelter; 10.	Intensified 337°-357°. Synchronized with front.
3660.1 K 4809.15	-Ilot Te Ndu.	22° 17.7' S 166° 16.0' E	<b>Fl.(3)G.</b> period 12s	16 5		5 STARBOARD (A) G, buoyant beacon, topmark.	
3660.2 K 4809.13	-Laregnere Reef, No. 3.	22° 19.4' S 166° 17.8' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	16 5		6 STARBOARD (A) G, buoyant beacon, topmark.	
3660.3 K 4809.1	-Recif Senez, No. 5.	22° 17.5' S 166° 19.7' E	<b>Fl.(2)G.</b> period 6s	16 5		4 STARBOARD (A) G, buoyant beacon, topmark.	
3660.5 K 4820	-Banc de l'Infernal.	22° 16.6' S 166° 26.0' E	<b>Fl.(3)G.</b> period 12s	13 4		4 STARBOARD (A) G, buoyant beacon, topmark.	
3660.8 K 4820.5	-Ile aux Canards.	22° 19.0' S 166° 26.0' E	<b>Fl.(3)G.</b> period 12s			4 STARBOARD (A) G, buoyant beacon, topmark.	
3660.9 K 4821	-Recif du Prony, No. 4.	22° 16.2' S 166° 20.1' E	<b>Fl.(2)R.</b> period 6s	16 5		4 PORT (A) R, buoyant beacon, topmark.	
3661 K 4811.5	-Grande Rade Range, front.	22° 15.9' S 166° 26.5' E	<b>L.Fl.W.</b> period 10s	26 8	17	White column; 39.	Intensified 114°30'-120°30'.



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW CALEDONIA</b>							
3662 <i>K 4811.51</i>	--Rear, 425 meters 117° from front.	22° 16.0' S 166° 26.7' E	<b>Dir.W.R.G.</b>	312 95	21	White tower; 26.	F.G. 115°18'-116°06', Al.W.G.-116°42', F.W.- 117°24', Al.W.R.-118°06', F.R.-118°48'. 4 F.R. mark radio tower 50 meters NW.
			<b>Iso.W.</b> period 4s		14		Visible 253°-107°.
3664 <i>K 4811</i>	-Ile Nou, NW. point.	22° 14.9' S 166° 23.2' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	98 30	6	White square hut; 13.	Visible 335°-245°, intensified 046°30'-051°30'.
3666 <i>K 4810.8</i>	-Lestelle Point.	22° 14.3' S 166° 23.1' E	<b>Fl.(3)R.</b> period 12s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 7s	19 6	4	PORT (A) R, buoyant beacon, topmark.	
3676 <i>K 4816</i>	-Petit Passe, front.	22° 16.4' S 166° 26.7' E	<b>Q.W.</b>	151 46	15	SE. tower of cathedral with white lantern; 85.	Intensified 052°-058°.
3680 <i>K 4816.1</i>	--Rear, on hill, 155 meters 055° from front.	22° 16.3' S 166° 26.7' E	<b>Q.W.</b>	194 59	15	White metal columns; 26.	Intensified 050°30'-059°30'. Synchronized with front.
3681 <i>K 4816.2</i>	-Denouel Point.	22° 17.0' S 166° 25.7' E	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	23 7	4	PORT (A) R, buoyant beacon, topmark.	
3681.2 <i>K 4816.24</i>	-Pointe de l'Artilerie.	22° 16.9' S 166° 25.9' E	<b>Fl.(2)G.</b> period 6s	20 6	4	STARBOARD (A) G, buoyant beacon, topmark.	
3681.4 <i>K 4816.26</i>	-Ilot Brun.	22° 17.2' S 166° 25.6' E	<b>Fl.G.</b> period 4s	23 7	4	STARBOARD (A) G, buoyant beacon, topmark.	
3682 <i>K 4817</i>	-Ile de Brun, E. landing stage, head.	22° 17.5' S 166° 25.7' E	<b>Q.R.</b>	19 6	1	White column, red top; 13.	
3683 <i>K 4825</i>	Passe de Dumbea, No. 1.	22° 21.2' S 166° 15.7' E	<b>Q.(9)W.</b> period 15s	16 5	5	W. CARDINAL YBY, buoyant beacon, topmark.	<b>Radar reflector.</b>
3685 <i>K 4825.5</i>	Recif Mbere.	22° 20.9' S 166° 14.9' E	<b>Mo.(D)W.</b> period 10s fl. 1s, ec. 9s	30 9	6	PORT (A) R, beacon, topmark.	
	RACON		<b>D(- • •)</b>		6		(3 & 10cm).
3686 <i>K 4827</i>	Ilot M'ba.	22° 13.1' S 166° 12.0' E	<b>Fl.W.R.G.</b> period 4s fl. 1s, ec. 3s		W. R. G.	8 5 5	White pylon. W. 136°-142°, G.-277°, W.- 283°, R.-136°.
3688 <i>K 4827.5</i>	Passe de Uitoe.	22° 10.2' S 166° 06.4' E	<b>Q.(6)+L.Fl.W.</b> period 15s	16 5	6	S. CARDINAL YB, buoyant beacon, topmark.	
3700 <i>K 4787.4</i>	-S.	21° 24.0' S 164° 56.7' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	29 9	7	White column, green top; 33.	
3708 <i>K 4786</i>	Hienghene.	20° 41.5' S 164° 56.8' E	<b>Fl.W.R.G.</b> period 4s	79 24	W. R. G.	6 4 4	White column; 10. W. 187°30'-197°, R.-012°, G.- 187°30'. Forms range 192° with beacon 600 meters NNE.
3708.2 <i>K 4785.85</i>	Touho, Passe de l' Est.	20° 46.1' S 165° 14.9' E	<b>Fl.G.</b> period 2s	23 7	2	STARBOARD (A) G, beacon, topmark.	
3708.3 <i>K 4785.852</i>	-SE.	20° 46.2' S 165° 15.1' E	<b>Fl.R.</b> period 2s	20 6	2	PORT (A) R, beacon, topmark.	
3709 <i>K 4785.6</i>	Recif Maronu, off W. edge.	21° 09.3' S 165° 45.0' E	<b>Q.(9)W.</b> period 15s	23 7	6	W. CARDINAL YBY, buoyant beacon, topmark.	<b>Radar reflector.</b>
3709.5 <i>K 4785.62</i>	Passes Ouest de Houailou, Passe SE.	21° 08.7' S 165° 43.7' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	20 6	7	STARBOARD (A) G, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
<b>NEW CALEDONIA</b>								
3710 K 4785.72	Passe Est de Houailou, No. 4.	21° 15.9' S 165° 43.2' E	<b>Fl.(2)R.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	7	PORT (A) R, buoyant beacon, topmark.		
3710.2 K 4785.66	Approaches to Koua, No. 5.	21° 18.2' S 165° 48.0' E	<b>Fl.(3)G.</b> period 12s fl. 1s, ec. 1.5s fl. 1s, ec. 1.5s fl. 1s, ec. 6s	16 5	7	STARBOARD (A) G, buoyant beacon, topmark.		
3710.4 K 4784.78	Baie de Kouaoua, No. 3.	21° 20.3' S 165° 50.5' E	<b>Fl.(2)G.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s	20 6	7	STARBOARD (A) G, buoyant beacon, topmark.		
3710.6 K 4784.66	Cap Begat.	21° 21.5' S 165° 52.6' E	<b>Q.W.</b>	23 7	6	N. CARDINAL BY, beacon, topmark.		
3711 K 4784.8	Passe de Kouaoua Entrance Range, front.	21° 23.4' S 165° 49.1' E	<b>Fl.(2)W.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		6	Beacon.		
3711.1 K 4784.81	-Rear, 430 meters 212° from front.	21° 25.2' S 165° 47.9' E	<b>Fl.(2)W.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		6	Beacon.	Synchronized with front.	
3712 K 4784.7	<b>Baie Laugier Range</b> , front.	21° 23.1' S 165° 52.9' E	<b>Iso.W.</b> period 4s		16	Beacon; 7.	Intensified 127°-133°.	
3712.1 K 4784.71	-Rear, 130° from front.	21° 23.5' S 165° 52.9' E	<b>Iso.W.</b> period 4s		16	Beacon.	Intensified 127°-133°. Synchronized with front.	
3713 K 4784.63	Cap Dumoulin.	21° 23.3' S 165° 56.8' E	<b>V.Q.(6)+L.Fl.W.</b> period 10s	23 7	6	S. CARDINAL YB, beacon, topmark.		
3714 K 4784.6	Recifs de Bogota.	21° 24.9' S 165° 59.2' E	<b>V.Q.W.</b>	23 7	7	N. CARDINAL BY, beacon, topmark.		
3715 K 4784.33	Nakety, No. 1.	21° 29.3' S 166° 08.6' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s		7	STARBOARD (A) G, buoyant beacon, topmark.		
3716 K 4784.3	-No. 2.	21° 30.8' S 166° 10.3' E	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	20 6	7	PORT (A) R, buoyant beacon, topmark.		
3717 K 4783	Passe de Thio.	21° 32.2' S 166° 17.4' E	<b>V.Q.(3)W.</b> period 5s	20 6	7	E. CARDINAL BYB, buoyant beacon, topmark.	<b>Radar reflector.</b>	
3718 K 4783.3	-Entrance.	21° 35.5' S 166° 15.1' E	<b>Fl.(2)W.</b> period 6s fl. 1s, ec. 1s fl. 1s, ec. 3s		5	ISOLATED DANGER BRB, buoyant beacon, topmark.		
3719 K 4784	<b>-Range</b> , front.	21° 36.4' S 166° 13.0' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	144 44	16	Pylon, white triangular daymark point up; 26.	Intensified 224°-230°.	
3719.1 K 4784.1	--Rear, 395 meters 227° from front.	21° 36.6' S 166° 12.8' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	276 84	16	Pylon, white triangular daymark point up; 30.	Intensified 224°-230°. Synchronized with front.	
3726 K 4788.5	Ilot Deverd.	20° 45.9' S 164° 19.6' E	<b>Q.W.R.G.</b>	39 12	W. R. G.	7 4 4	Pylon; 33.	W. 226°-229°, G.-246°, R.- 104°30', W.-109°30', G.- 226°.
3728 K 4788.75	Passe de Koumac.	20° 40.3' S 164° 14.9' E	<b>Q.(3)W.</b> period 10s	23 7	7	E. CARDINAL BYB, beacon, topmark.		
3728.2 K 4788.76	-Ilot Kendec.	20° 40.1' S 164° 15.2' E	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	23 7	5	STARBOARD (A) G, beacon, topmark.		
3728.4 K 4789	-Recif de l'Internet.	20° 37.6' S 164° 15.3' E	<b>Q.R.</b>	13 4	2	PORT (A) R, beacon, topmark.		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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**NEW CALEDONIA**

3729 K 4788.6	Grand Recif Mathieu.	20° 45.0' S 164° 14.3' E	<b>V.Q.W.</b>	20 6	5	N. CARDINAL BY, buoyant beacon, topmark.	
3729.2 K 4788.65	Passe Deverd.	20° 44.8' S 164° 15.8' E	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	20 6	4	PORT (A) R, buoyant beacon, topmark; 20.	

NORFOLK ISLAND:

3740 K 4528	<b>Mount Pitt</b> AVIATION LIGHT.	29° 01.6' S 167° 56.4' E	<b>Al.Fl.W.G.</b> period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	1060 323	W. 28 G. 24		
			<b>Oc.R.</b> period 1.5s lt. 1s, ec. 0.5s	1066 325	11		

# Section 4

## North Island of New Zealand and Chatham Islands

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-CHATHAM ISLANDS</b>							
3752 <i>K 4547</i>	Skirmish Bay (Kaingaroa).	43° 44.1' S 176° 14.5' W	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	191 <b>58</b>	9	Aluminum tower; 13.	
3756 <i>K 4547.4</i>	Kaingaroa Harbor Range, front.	43° 44.2' S 176° 15.4' W	<b>Q.G.</b>	60 <b>18</b>		Beacon, white triangular daymark point up, orange stripe; 13.	
3760 <i>K 4547.41</i>	-Rear, 53 meters 169°33' from front.	43° 44.2' S 176° 15.4' W	<b>Iso.G.</b> period 4s	74 <b>23</b>		Beacon, white triangular daymark point up, orange stripe; 13.	
3764 <i>K 4545</i>	Somes Point.	43° 50.4' S 176° 52.6' W	<b>Fl.(4)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 8.5s	128 <b>39</b>	9	Aluminum tower; 13.	
3768 <i>K 4543</i>	Weeding Point.	43° 56.6' S 176° 34.4' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	190 <b>58</b>	7	Metal column; 10.	Lights are shown at Point Hanson Jetty 1km. E.
3772 <i>K 4541</i>	Durham Point.	44° 00.6' S 176° 40.6' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	125 <b>38</b>	9	Aluminum tower; 13.	Visible 350°36'-006°36' and 008°18'-227°.
3776 <i>K 4547.7</i>	Owenga Range, front.	44° 01.8' S 176° 21.8' W	<b>Q.G.</b>	39 <b>12</b>		White triangular daymark point up; 7.	
3780 <i>K 4547.71</i>	-Rear, 33 meters 142°10' from front.	44° 01.8' S 176° 21.8' W	<b>Iso.G.</b> period 4s	56 <b>17</b>		Beacon, white triangular daymark point up, orange stripe; 13.	
3782 <i>K 4549</i>	Cape Fournier.	44° 03.1' S 176° 20.0' W	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	400 <b>122</b>	9	Aluminum tower; 13.	
<b>NEW ZEALAND-NORTH ISLAND</b>							
3792 <i>K 3686</i>	Cape Maria van Diemen.	34° 28.7' S 172° 38.7' E	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	297 <b>91</b>	9	White fiberglass tower; 10.	Visible 314°-130° and 146°-206°.
3796 <i>K 3688</i>	<b>Cape Reinga.</b>	34° 25.7' S 172° 40.7' E	<b>Fl.W.</b> period 12s fl. 0.1s, ec. 11.9s	542 <b>165</b>	19	White concrete tower; 33.	Visible 000°-011° and 013°-263°. Reserve light range 10M.
3800 <i>K 3690</i>	<b>North Cape.</b>	34° 25.0' S 173° 03.1' E	<b>Fl.W.</b> period 8s fl. 0.1s, ec. 7.9s	326 <b>99</b>	18	White concrete tower; 13.	Obscured shore-135°.
3804 <i>K 3690.4</i>	Perengarenga Harbor.	34° 31.3' S 172° 58.1' E	<b>Fl.(2)W.</b> period 5s fl. 0.3s, ec. 1s fl. 0.3s, ec. 3.4s	155 <b>47</b>	6	Orange square tower; 16.	
3808 <i>K 3690.6</i>	Cape Perpendicular.	34° 49.5' S 173° 10.1' E	<b>Fl.W.</b> period 4s fl. 0.3s, ec. 3.7s	318 <b>97</b>	6	Square beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-NORTH ISLAND</b>							
3812 K 3694	Cape Karikari.	34° 47.0' S 173° 23.9' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	194 59	10	White tower; 10.	
3813 K 3697.5	Albert Reef.	34° 55.2' S 173° 31.1' E	<b>V.Q.(3)W.</b> period 5s	13 4	2	E. CARDINAL BYB, beacon, topmark; 13.	
3817 K 3696.5	Mangonui Harbor. Cole Point.	34° 58.9' S 173° 31.5' E	<b>Q.G.</b>	10 3	5	STARBOARD (A) G, post, topmark; 10.	
3820 K 3697	-Port Mangonui, wharf.	34° 59.0' S 173° 32.0' E	<b>2 F.G.</b> (vert.)			Shed.	
3824 K 3699	Nukutaunga.	34° 58.6' S 173° 57.9' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	363 111	7	White metal tower; 13.	
3826 K 3698	S., head.	35° 00.3' S 173° 46.1' E	<b>Fl.(2)W.R.</b> period 12s fl. 1s, ec. 1s fl. 1s, ec. 9s	344 105	W. 6 R. 4	White metal column.	W. 121°-232°, R.-282°.
3828 K 3698.1	Kingfish Point, entrance to Whangaroa Harbor.	35° 01.0' S 173° 45.0' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	42 13	7	Post; 20.	
3829 K 3700.55	Motupapa Island.	35° 11.9' S 174° 03.0' E	<b>Q.R.</b>	10 3	2	PORT (A) R, pile beacon, topmark.	Channel marked by beacons.
<b>BAY OF ISLANDS:</b>							
3832 K 3700	-Russell, Fraser Rock, on summit.	35° 14.5' S 174° 07.0' E	<b>Fl.W.R.</b> period 6s fl. 0.7s, ec. 5.3s	43 13	W. 9 R. 8	Red concrete tower; 10.	W. 239°-229°, R.-239°.
3836 K 3700.5	The Brothers.	35° 11.9' S 174° 03.9' E	<b>Q.(2)W.</b> period 5s	16 5	5	ISOLATED DANGER BRB, pile, topmark; 16.	
3840 K 3701	<b>-Waitangi.</b>	35° 16.3' S 174° 05.0' E	<b>Dir.W.R.G.</b>	30 9	15	White pile beacon.	F.G. 211°12'-213°, Al.W.G.- 213°18', F.W.-214°36', Al.W.R.-215°06', F.R.- 216°36'. Range 9M by day.
3852 K 3703	Ti Point, Waitangi River entrance.	35° 16.4' S 174° 05.0' E	<b>Q.G.</b>		1	STARBOARD (A) G, beacon, topmark.	
3856 K 3702	-Government Wharf, head.	35° 15.7' S 174° 07.2' E	<b>2 F.R.</b> (vert.)	23 7	2	Post.	
3858 K 3704	-Taylor Island.	35° 16.6' S 174° 05.8' E	<b>Fl.G.</b> period 2.5s	10 3	5	STARBOARD (A) G, beacon, topmark.	
3862 K 3705.1	-Channel Range, front.	35° 18.3' S 174° 06.5' E	<b>Q.W.</b>	170 52	9	White and orange metal framework tower, neon daymark; 59.	
3864 K 3705.2	--Rear, 460 meters from front.	35° 18.5' S 174° 06.6' E	<b>F.Bu.</b>	276 84	5	Metal post; 20.	Oc.W. 6s shown by day.
3868 K 3705.4	--Beacon No. 1.	35° 15.8' S 174° 06.1' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	3	Green beacon.	
3872 K 3705.5	--Beacon No. 2.	35° 15.8' S 174° 06.2' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	3	Red beacon.	
3876 K 3705.6	--Beacon No. 3.	35° 16.6' S 174° 06.2' E	<b>Fl.G.</b> period 2.5s fl. 0.3s, ec. 2.2s	16 5	3	Green beacon.	
3880 K 3705.7	--Beacon No. 4.	35° 16.6' S 174° 06.3' E	<b>Fl.R.</b> period 2.5s fl. 0.3s, ec. 2.2s	16 5	3	Red beacon.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
3884 K 3706	--Beacon No. 5.	35° 17.9' S 174° 06.4' E	<b>Fl.G.</b> period 2.5s fl. 0.3s, ec. 2.2s	13	3	STARBOARD (A) G, beacon, topmark.	
3886 K 3707	--Beacon No. 6.	35° 18.2' S 174° 06.9' E	<b>Q.R.</b>		2		
3904 K 3708	-Opua Wharf, head.	35° 18.7' S 174° 07.2' E	<b>2 F.G.</b> (vert.)	20	6	1 On shed.	
3904.1 K 3708.2	--Base.	35° 18.7' S 174° 07.3' E	<b>2 F.G.</b> (vert.)	20	6	1 Shed.	
3905 K 3708.3	--N.	35° 18.7' S 174° 07.2' E	<b>Q.W.</b>	16	5	2 N. CARDINAL BY, beacon, topmark.	
3906 K 3708.5	-Marina, outer breakwater, N. end.	35° 18.8' S 174° 07.3' E	<b>Q.R.</b>	13	4	1 Gray pile.	Breakwater marked by Q.R. lights.
3906.1 K 3708.9	--Inner breakwater, E. end.	35° 19.0' S 174° 07.3' E	<b>Q.G.</b>	13	4	1 Gray pile.	
3906.2 K 3708.93	-Ashby's breakwater, N.	35° 19.1' S 174° 07.2' E	<b>2 F.G.</b> (vert.)	10	3	1 Metal pile; 10.	
3906.3 K 3708.95	--S.	35° 19.1' S 174° 07.1' E	<b>2 F.G.</b> (vert.)	10	3	1 Metal pile; 10.	
3906.5 K 3707.8	Waikare Inlet.	35° 18.7' S 174° 07.9' E	<b>Q.R.</b>	13	4	2 PORT (A) R, pile, topmark; 13.	
3907 K 3710.05	Pakatahi Island.	35° 13.9' S 174° 12.1' E	<b>Q.G.</b>	7	2	2 STARBOARD (A) G, post, topmark; 7.	
3908 K 3710	-Beacon.	35° 13.5' S 174° 13.6' E	<b>V.Q.(9)W.</b> period 10s	10	3	2 W. CARDINAL YBY, topmark; 10.	
3912 K 3709	<b>Cape Brett.</b>	35° 10.5' S 174° 20.0' E	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	479	17	146 White tower; 13.	Obscured 205°-212°30' by Piercy (Motuhokako) Island, over a greater arc when within 3 miles, and 106°- shore inside Bay of Islands. Old light structure (14m) close SW.
3914 K 3709.5	Hat Island.	35° 13.0' S 174° 15.2' E	<b>Q.G.</b>	13	4	2 STARBOARD (A) G, post, topmark; 7.	
3916 K 3710.1	Paramena Reef.	35° 14.2' S 174° 13.1' E	<b>Q.(2)W.</b> period 5s	16	5	2 ISOLATED DANGER BRB, beacon, topmark.	
3917 K 3710.2	Shag Rock.	35° 14.3' S 174° 14.2' E	<b>Q.(9)W.</b> period 15s	16	5	2 W. CARDINAL YBY, beacon, topmark; 13.	
3920 K 3711	<b>Poor Knights Islands.</b>	35° 23.9' S 174° 44.3' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	518	17	158 White metal tower; 13.	Visible 039°-317°.
3924 K 3712	<b>South Gable.</b>	35° 36.7' S 174° 32.8' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	302	19	92 White metal tower; 13.	Visible 166°-006°.
3925 K 3712.1	Tutukaka Harbor Range, front.	35° 36.9' S 174° 31.9' E	<b>Fl.R.</b> period 3s	10	3	5 PORT (A) R, pile beacon, topmark; 7.	
3925.1 K 3712.11	-Rear, 175 meters 270°07' from front.	35° 37.0' S 174° 31.9' E	<b>Fl.W.</b> period 1.5s	23	7	5 Black metal pile beacon, white square daymark; 3.	
3926 K 3712.12	-T1.	35° 36.9' S 174° 31.9' E	<b>Q.G.</b>		1	STARBOARD (A) G, pile, topmark.	Channel marked by lighted beacons.
WHANGAREI HARBOR:							
3928	-Fairway Buoy.	35° 53.2' S 174° 33.1' E	<b>L.Fl.W.</b> period 10s			SAFE WATER RW, pillar, topmark.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
3932 K 3713	-Bream Head.	35° 50.7' S 174° 34.9' E	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	563 172	10	White metal tower; 13.	Visible 170°-320° and 323°-326°30'.
3933 K 3716	-Marsden Point.	35° 50.3' S 174° 30.0' E	<b>Dir.W.R.G.</b>	72 22	10	Metal framework tower, orange triangular daymark point down.	F.G. 314°24'-319°24', Al.W.G.-320°06', F.W.- 321°06', Al.W.R.-321°48', F.R.-326°48'. Range W. 7M, R. 5M and G. 5M by day. R. lights on chimney 540m WSW.
3933.5 K 3716.699	-Sinclair Point Range, front.	35° 49.8' S 174° 28.8' E	<b>Fl.W.</b> period 2.5s	16 5	5	Yellow and white beacon.	
3934 K 3716.7	--Rear, 1400 meters 287° from front.	35° 49.5' S 174° 27.9' E	<b>F.R.</b>	26 8	5	Pile, orange rectangular daymark; 13.	Visible 200°-340°.
3936 K 3718.8	-Passage Islet, SW. extremity.	35° 49.8' S 174° 29.8' E	<b>Fl.(3)G.</b> period 10s	21 6	4	STARBOARD (A) G, beacon, topmark.	
3937 K 3716.65	-Snake Bank.	35° 49.7' S 174° 29.1' E	<b>Fl.G.</b> period 4s	16 5	3	STARBOARD (A) G, beacon, topmark; 20.	
3939 K 3717.43	-Lort Point Beacon.	35° 49.9' S 174° 30.3' E	<b>Fl.(2)W.</b> period 5s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 3.4s	3 1	1	ISOLATED DANGER BRB, beacon, topmark; 7.	
3940 K 3717.45	-Passage Island.	35° 49.7' S 174° 29.8' E	<b>Fl.(2)W.</b> period 5s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 3.4s	7 2	1	ISOLATED DANGER BRB, beacon, topmark; 7.	
3941 K 3717.47	-Taurikura.	35° 49.7' S 174° 31.3' E	<b>Fl.(2)W.</b> period 5s fl. 0.2s, ec. 1.2s fl. 0.2s, ec. 3.4s	7 2	1	ISOLATED DANGER BRB, beacon, topmark; 7.	
3948 K 3717	-One Tree Point, E. of point.	35° 49.1' S 174° 27.8' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	16 5	7	PORT (A) R, beacon, topmark.	
3949 K 3718.759	-Whangarei Heads.	35° 49.0' S 174° 29.9' E	<b>Fl.G.</b> period 5s	13 4	1		Visible 066°-246°.
3950 K 3718.751	-Shoal Bay, S.	35° 49.0' S 174° 29.6' E	<b>Q.(6)+L.Fl.W.</b> period 15s	13 4	1	S. CARDINAL YB, pile, topmark.	
3950.1 K 3718.755	--W.	35° 47.9' S 174° 28.2' E	<b>Q.(9)W.</b> period 15s	13 4	1	W. CARDINAL YBY, pile, topmark.	
3950.2 K 3718.757	--E.	35° 48.0' S 174° 27.1' E	<b>Q.(3)W.</b> period 10s	13 4	1	E. CARDINAL BYB, pile, topmark.	
3951 K 3717.4	-Lort Point Range, front.	35° 49.1' S 174° 28.3' E	<b>F.G.</b>	16 5	6	Concrete pile.	Visible 035°-195°.
3951.1 K 3717.41	--Rear, 1.65 miles 115°21' from front.	35° 49.8' S 174° 30.1' E	<b>F.R.</b>	59 18	6	Metal tower.	Visible 035°-195°.
3952 K 3719.2	-No. T1.	35° 47.5' S 174° 24.6' E	<b>Q.G.</b>	15 5	1	STARBOARD (A) G, beacon, topmark.	
3964 K 3719	-Stevens Point.	35° 46.5' S 174° 23.0' E	<b>Dir.W.R.G.</b>	42 13	W. 13 R. 12 G. 12	Metal framework tower, orange square daymark; 43.	F.G. 309°36'-311°06', F.W.- 311°36', F.R.-313°06'.
3972 K 3720	Ross.	35° 46.7' S 174° 23.3' E	<b>Fl.(2)R.</b> period 6s	20 6	5	PORT (A) R, beacon, topmark.	
3973 K 3720.8	Wellington Rock.	35° 46.6' S 174° 22.4' E	<b>Iso.R.</b> period 2s	16 5	4	PORT (A) R, beacon, topmark.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
3976 K 3714	Marotiri, E. Island, E. end.	35° 53.2' S 174° 46.8' E	Fl.W. period 5s fl. 1s, ec. 4s	476 145	9	White metal tower; 10.	Partially obscured by islands of the Hen and Chickens group. Liable to be obscured by fog and mist.
3980 K 3715	Taranga, island, W. side.	35° 57.5' S 174° 41.9' E	Fl.W. period 10s fl. 1s, ec. 9s	390 119	9	Metal column, white rectangular daymark; 10.	Visible 209°-227°30' and 324°-184°, except where obscured by Sail Rock and Marotere Islands.
MANUKAU HARBOR:							
3981.1 K 4116.1	-Wairopa Channel, No. 1.	37° 00.9' S 174° 36.8' E	Q.(2)G. period 3s		7 2	2 STARBOARD (A) G, beacon, topmark.	Channel marked by lighted beacons.
MOKOHINAU ISLANDS:							
3984 K 3734	-Burgess Islet.	35° 54.4' S 175° 06.9' E	Fl.W. period 10s fl. 1s, ec. 9s	400 122	19	White stone tower; 46.	Reserve light range 10M.
3988 K 3735	Sentinel Rock.	36° 04.9' S 174° 36.2' E	Fl.W. period 5s fl. 0.5s, ec. 4.5s	52 16	4	Column; 7.	
3992 K 3736.6	Cape Rodney.	36° 16.7' S 174° 49.3' E	Fl.(4)W. period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	174 53	8	White metal tower; 13.	Visible 127°30'-358°.
3996 K 3737	Leigh Harbor, Panetiki.	36° 17.4' S 174° 49.1' E	Fl.G. period 5s fl. 0.3s, ec. 4.7s	59 18	3	White column; 23.	Visible 193°30'-093°30'.
4000 K 3736	Motuhaku, summit.	36° 09.9' S 175° 17.5' E	Fl.W. period 15s fl. 1s, ec. 14s	390 119	9	White metal column; 13.	Obscured by islands on certain bearings.
4004 K 3737.4	Whangateau Harbor Entrance.	36° 19.2' S 174° 47.0' E	Q.G.	13 4	2	Black metal post, green triangular topmark point up.	
4006 K 3738.3	Maori Rock.	36° 22.9' S 174° 51.5' E	Fl.G. period 4s fl. 0.5s, ec. 3.5s	20 6	2	STARBOARD (A) G, beacon; 20.	
4008 K 3738.2	Kawati Point, Kawan Island, N. end.	36° 23.5' S 174° 50.4' E	Iso.W.R. period 6s	112 34	W. 8 R. 6	White metal tower; 13.	W. 080°30'-096°12' (partially obscured 080°30'-083°30'), R.-134°30', W.-221°42', R.-241°, W.-271°54', R.-295°, obsc.-shore.
4010 K 3738.4	Pembles Island.	36° 24.3' S 174° 49.3' E	Fl.W. period 5s fl. 1s, ec. 4s	39 12	1	White pole; 7.	Partially obscured by trees 142°30'-244°30'.
4011 K 3738.5	North Cove.	36° 24.7' S 174° 49.2' E	Q.(9)W. period 15s	10 3	1	W. CARDINAL YBY, beacon, topmark; 7.	
4011.5 K 3738.68	Half Tide Rock.	36° 23.8' S 174° 45.4' E	V.Q.(3)W. period 5s	10 3	2	E. CARDINAL BYB, beacon, topmark; 7.	
4012 K 3738.7	Matakana River, E. entrance.	36° 23.8' S 174° 44.5' E	Fl.G. period 3s	13 4	2	White post.	
4013 K 3738.71	-W. entrance.	36° 23.9' S 174° 44.5' E	Fl.R. period 3s	10 3	2	PORT (A) R, beacon, topmark; 10.	
4014 K 3738.64	Mullet Point.	36° 26.1' S 174° 46.8' E	V.Q.W.	10 3	2	N. CARDINAL BY, beacon, topmark; 7.	



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<b>NEW ZEALAND-NORTH ISLAND</b>							
4016 K 3738.6	Dyson on Martello Rock.	36° 25.9' S 174° 48.5' E	<b>Fl.(3)W.R.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	26 8	W. 8 R. 6	White metal column; 13.	W. 018°42'-103°42', R.-171° W.-201°, R.-342°18', W.- 349°12', R.-018°42'.
4020 K 3738	Flat Rock, Kawau Island, E.	36° 26.7' S 174° 55.5' E	<b>Fl.W.</b> period 7s fl. 1s, ec. 6s	44 13		8 White tower, concrete base; 26.	
4024 K 3739	Motuketekete.	36° 28.2' S 174° 48.7' E	<b>Fl.W.R.</b> period 10s fl. 1s, ec. 9s	112 34	W. 8 R. 5	White metal column; 10.	W. 140°18'-191°30', R.- 221°06', W.-009°30'.
4025 K 3739.5	Te Haupa Island.	36° 30.9' S 174° 44.8' E	<b>V.Q.(6)+L.Fl.W.</b> period 15s	10 3		2 S. CARDINAL YB, beacon, topmark.	
4028 K 3740	<b>Tiritiri Matangi Island.</b>	36° 36.3' S 174° 53.8' E	<b>Fl.W.</b> period 15s	299 91		18 White round metal tower; 66.	Obscured within 4M by NW end of island.
4032 K 3741	Huaroa Point.	36° 35.6' S 174° 50.3' E	<b>Fl.W.R.</b> period 5s fl. 1s, ec. 4s	121 37	W. 8 R. 5	White metal column; 13.	R. 092°30'-136°, W.-345°30', except where obscured by island.
4032.5 K 3741.5	Hobbs Bay, Gulf Harbor Marina.	36° 37.5' S 174° 47.2' E	<b>Fl.W.R.</b> period 3s fl. 0.6s, ec. 2.4s	16 5	W. 5 R. 3	Metal mast; 13.	R.302°00'-326°48', W.- 025°06', R.-053°.
4032.6 K 3741.51	-Gulf Harbor Range, front.	36° 37.4' S 174° 47.4' E	<b>Q.W.</b>				Mark lines of deep water channel.
4032.61 K 3741.52	--Rear, 040° from front.	36° 37.4' S 174° 47.4' E	<b>Q.W.</b>				
4032.7 K 3741.81	-Marina Range, front.	36° 37.1' S 174° 47.4' E	<b>Q.W.</b>			Pole.	Mark lines of deep water channel.
4032.71 K 3741.82	--Rear, 025° from front.	36° 37.1' S 174° 47.4' E	<b>Q.W.</b>			Pole.	
4033 K 3741.6	Hobbs Bay, E. breakwater.	36° 37.6' S 174° 47.2' E	<b>Oc.G.</b> period 5s lt. 3s, ec. 2s	10 3		2 Metal post; 7.	
4034 K 3741.65	-W. breakwater.	36° 37.5' S 174° 47.2' E	<b>Oc.R.</b> period 5s lt. 3s, ec. 2s	10 3		2 Metal post; 7.	
4034.1 K 3741.71	-No. 1.	36° 37.7' S 174° 47.1' E	<b>Q.G.</b>	10 3		2 STARBOARD (A) G, beacon, topmark.	
4034.2 K 3741.72	-No. 2.	36° 37.6' S 174° 47.1' E	<b>Q.R.</b>	10 3		2 PORT (A) R, beacon, topmark.	
4035 K 3741.91	Long Bay Marine Reserve, NW.	36° 39.0' S 174° 43.6' E	<b>Fl.(5)Y.</b> period 20s	16 5		1 Pole.	
4035.3 K 3741.92	-NE.	36° 39.0' S 174° 44.7' E	<b>Q.R.</b>	7 2		1 PORT (A) R, beacon, topmark.	
4035.5 K 3741.93	-SW.	36° 41.8' S 174° 45.7' E	<b>Fl.(5)Y.</b> period 20s	16 5		1 Pole.	
4035.7 K 3741.94	-Tipau Point.	36° 42.7' S 174° 45.8' E	<b>Q.(2)G.</b> period 5s	7 2		1 STARBOARD (A) G, beacon, topmark.	
4036 K 3742	The Noises, on Maria Island.	36° 42.5' S 175° 00.3' E	<b>Fl.(3)W.R.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	125 38	W. 7 R. 4	White column; 13.	W. 231°48'-279°12', R.- 289°30', W.-058°, R.- 231°48'.
4038 K 3742.2	Rakino Island, Little Sandy Point.	36° 43.7' S 174° 57.1' E	<b>Fl.W.</b> period 4s fl. 0.4s, ec. 4.6s	125 38		3 Black column; 3.	Visible 333°-015°.
4039 K 3845.3	Motutapu Island, E. point.	36° 44.5' S 174° 56.1' E	<b>Fl.G.</b> period 2s fl. 0.5s, ec. 1.5s	21 6		1 White post; 7.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4044 K 3743	Wairau River.	36° 45.8' S 174° 45.9' E	<b>Dir.W.R.G.</b>		13 4	1 Column.	F.G. 265°48'-270°12', F.W.- 270°42', F.R.-275°12'.
AUCKLAND HARBOR:							
4046 K 3743.2	-Rahopara Point, Milford Reef.	36° 45.6' S 174° 46.3' E	<b>Fl.G.</b> period 5s		10 3	2 STARBOARD (A) G, beacon, topmark.	
4048 K 3744	-Rangitoto Island.	36° 46.9' S 174° 49.3' E	<b>Fl.R.</b> period 12s fl. 1.5s, ec. 10.5s		69 21	7 Red concrete tower, white bands.	
4051 K 3744.1	-Duder Spit Rock.	36° 47.6' S 174° 49.4' E	<b>Q.(3)R.</b> period 8s		7 2	1 PORT (A) R, beacon, topmark.	
4052 K 3745	<b>-Approach.</b>	36° 47.9' S 174° 47.3' E	<b>Dir.W.R.G.</b>		75 23	W. 21 R. 17 G. 17 Metal column.	F.G. 213°30'-214°30', A.I.G.W.-215°30', F.W.- 216°30', A.I.W.R.-217°30', F.R.-218°30'. Range 4M by day.
4056 K 3746	-Rangitoto Channel Range, front.	36° 49.5' S 174° 50.5' E	<b>Fl.(2)W.</b> period 4s fl. 0.4s, ec. 1s fl. 0.4s, ec. 2.2s		33 10	14 White concrete pile structure, red bands.	Range 4M by day.
4060 K 3746.1	--Rear, 1.5 miles 142°09' from front.	36° 50.6' S 174° 51.7' E	<b>Dir.W.R.G.</b>		26 8	W. 12 R. 11 G. 11 White pile, red square daymark.	F.G. 141°00'-141°30', F.W.- 142°48', F.R.-143°18'.
4064 K 3748	-Bean Rocks.	36° 50.0' S 174° 49.9' E	<b>Fl.(3)W.R.</b> period 8s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s		50 15	W. 14 R. 11 White metal framework tower.	R. 050°-070°, W.-086°, R.- 156°, W.-164°, R.-244°, W.-260°, R.-284°. <b>Bell:</b> 1 bl. ev. 60s (stroke 5s, si. 55s).
4072 K 3756	-Okahu Point, Orakei Wharf, NE corner.	36° 50.6' S 174° 48.9' E	<b>Oc.R.</b> period 6s lt. 4s, ec. 2s		26 8	3 On tower.	
-Orakei Boat Harbor:							
4076 K 3758	--E. detached breakwater, E. head.	36° 50.7' S 174° 48.9' E	<b>V.Q.(4)G.</b> period 7s		13 4	2 Pile.	
4080 K 3758.2	---W. head.	36° 50.7' S 174° 48.5' E	<b>V.Q.(4)R.</b> period 7s		13 4	2 Pile.	
4084 K 3758.4	--W. detached breakwater, E. head.	36° 50.8' S 174° 48.5' E	<b>V.Q.(4)G.</b> period 7s		13 4	2 Pile.	
4088 K 3758.6	---W. head.	36° 50.9' S 174° 47.9' E	<b>V.Q.(4)R.</b> period 7s		13 4	2 Pile.	
4090 K 3759	--Hobson Point.	36° 51.1' S 174° 48.3' E	<b>Fl.R.</b> period 5s		10 3	2 Wooden pile, red square daymark; 10.	
-Devonport:							
4096 K 3767	--Calliope Dock Pier, near extremity.	36° 49.9' S 174° 47.3' E	<b>F.R.</b>		22 7		
4097 K 3768	--Calliope South Wharf, SE corner.	36° 49.9' S 174° 47.2' E	<b>2 F.R.</b> (vert.)		36 11 30 9		2 meters apart.
4098 K 3768.2	---SW. corner.	36° 49.9' S 174° 47.0' E	<b>2 F.G.</b> (vert.)		36 11		2 meters apart.
4105 K 3771	-Mechanics Bay, breakwater, head.	36° 50.8' S 174° 47.3' E	<b>Oc.R.</b> period 6s lt. 4s, ec. 2s		16 5	3 Wooden pile.	
4106 K 3772	--Elbow.	36° 50.7' S 174° 47.3' E	<b>V.Q.(2+1)G.</b> period 6s		16 5	3 Wooden pile.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4107 K 3773	-Compass Dolphin.	36° 50.6' S 174° 47.5' E	<b>Fl.(2)W.</b> period 4s	16 5	3	ISOLATED DANGER BRB, pile, topmark.	
4108 K 3774	-Fergusson Container Terminal.	36° 50.4' S 174° 47.0' E	<b>F.R.Y.R.</b> (vert.)	16 5	2	Metal post.	Visible 197°-343°. Flashes for 3 minutes when vessels are underway in the commercial area.  LED.
4146 K 3770	Bayswater Wharf Approach Channel, S. end.	36° 49.7' S 174° 46.0' E	<b>Fl.R.</b> period 3s	7 2		Metal pile, red square daymark; 20.	Channel marked by light beacons.
4147 K 3770.01	-No. 1.	36° 49.7' S 174° 46.0' E	<b>Fl.G.</b> period 3s	16 5	1	STARBOARD (A) G, beacon, topmark.	
4148 K 3770.03	-No. 2.	36° 49.5' S 174° 46.0' E	<b>Fl.(2)R.</b> period 5s	16 5	1	PORT (A) R, beacon, topmark.	
-Freemans Bay:							
4150 K 3797.2	--Viaduct Harbor, E. breakwater.	36° 50.4' S 174° 45.7' E	<b>F.R.</b>	16 5			
4151 K 3797.4	---W. breakwater.	36° 50.4' S 174° 45.7' E	<b>F.G.</b>	16 5			
4168 K 3798	--Wynyard Wharf Range, front.	36° 50.4' S 174° 45.4' E	<b>F.Bu.</b>	26 8	2	Building, red triangular daymark point up.	LED.
4169 K 3798.1	---Rear, 55 meters 229°45' from front.	36° 50.5' S 174° 45.4' E	<b>F.Bu.</b>	43 13	2	Building, red rectangular daymark.	LED.
-Westhaven Boat Harbor.							
4176 K 3800	--E. Entrance, E. side.	36° 50.2' S 174° 45.4' E	<b>Oc.R.</b> period 6s	10 3	5	Red beacon, red square daymark.	
4177 K 3818	---W. side.	36° 50.2' S 174° 45.2' E	<b>Fl.G.</b> period 5s fl. 0.7s, ec. 4.3s	10 3	5	White concrete pillar.	Five F.W. on bulk cement jetty 0.2 mile S.
4178 K 3819	--S. Mole, off, head.	36° 50.3' S 174° 45.2' E	<b>Oc.G.</b> period 6s lt. 4s, ec. 2s	10 3	6	Wooden pile, green triangular daymark point up.	
4179 K 3820	--W. Entrance, E. side.	36° 50.1' S 174° 44.9' E	<b>Oc.R.</b>	16 5	5	Wooden pile.	
4180 K 3822	---W. side.	36° 50.1' S 174° 44.9' E	<b>Oc.G.</b>	16 5	5	Wooden pile.	
4181 K 3829	-Harbor Bridge.	36° 49.8' S 174° 44.8' E	<b>F.Y.G.R.</b> (vert.)	161 49			On upstream and downstream sides of bridge. Aero.Q.R. and 5 F.R. lights mark top of bridge. <b>Horn:</b> (120 meters SSW.) 1 bl. ev. 8s. (bl. 2s, si. 6s).
4182 K 3832	Kauri Point.	36° 49.4' S 174° 41.8' E	<b>F.G.</b>	10 3	2	White tower on metal pile; 10.	
4184 K 3847	Browns Island, off N. side.	36° 49.4' S 174° 53.9' E	<b>Fl.W.R.</b> period 4s fl. 1s, ec. 3s	32 10	W. 6 R. 4	Yellow metal tripod tower.	R. 060°-082°, W.-096°, R.- 217°, W.-222°, R.-274°, W.-287°, R.-351°, Obsc.- 060°. <b>Radar reflector.</b>
4188 K 3847.5	Iliomoana Rock.	36° 48.5' S 174° 53.2' E	<b>Q.W.R.</b>	7 2	W. 5 R. 3	Black and white metal pile.	R. 062°-249°30', W.-062°. <b>Radar reflector.</b>
4192 K 3845	Motuihe Wharf, extension, head.	36° 48.4' S 174° 56.1' E	<b>Q.W.</b>	14 4			
4193 K 3845.1	Motuihe channel.	36° 47.7' S 174° 56.2' E	<b>Fl.R.</b> period 3s	10 3	1	PORT (A) R, beacon, topmark.	
4193.1 K 3845.2	Motuike Island, E. point.	36° 48.5' S 174° 57.7' E	<b>Q.(3)W.</b> period 10s	7 2	1	E. CARDINAL BYB, beacon, topmark.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4194 K 3845.25	Emu Point.	36° 47.8' S 174° 54.9' E	<b>V.Q.(6)+L.FI.W.</b> period 10s	10	3	2 S. CARDINAL YB, beacon, topmark.	
4196 K 3845.4	Matiatia Bay.	36° 46.8' S 174° 59.5' E	<b>Dir.Oc.W.R.G.</b> period 6s	66	20	3 White metal structure.	G. 074°24'-076°24', W.- 077°54', R.-079°54'.
4204 K 3846	Putiki Bay.	36° 48.8' S 175° 01.3' E	<b>FI.W.R.</b> period 10s fl. 1s, ec. 9s	65	20	W. 7 White metal column; 10. R. 5	R. 226°-301°30', W.-076°48', R.-102°30'. Obscured by Park Point 093°- 096°18'.
4208 K 3850.55	Maraetai, S. breakwater, head.	36° 52.6' S 175° 02.5' E	<b>Q.R.</b>	7	2	3 Red metal pole.	Q.G. 2m 3M marks head of N. breakwater.
4212 K 3848	Tamaki, W. head.	36° 50.5' S 174° 52.6' E	<b>Mo.(N)W.R.</b> period 6.5s fl. 1s, ec. 0.5s fl. 0.3s, ec. 4.7s	16	5	W. 7 White pile beacon, white R. 5 triangular daymark point up, red bands.	W. 103°42'-323°42', R.- 103°42'.
4216 K 3848.5	-E. side.	36° 50.7' S 174° 53.7' E	<b>Q.R.</b>	13	4	2 PORT (A) R, beacon, topmark.	
4220 K 3846.5	Musick Point.	36° 50.6' S 174° 54.0' E	<b>Oc.R.</b> period 6s	13	4	3 PORT (A) R, beacon, topmark.	
FIRTH OF THAMES:							
4224 K 3852	-Sandspit Passage.	36° 54.0' S 175° 11.0' E	<b>FI.W.R.</b> period 2s fl. 0.5s, ec. 1.5s	20	6	W. 7 White metal column, on wooden R. 4 piles; 20.	W. 091°18'-124°, R.-287°48', W.-303°18, R.-000°. Obscured by Ponui Island 139°-277°.
4228 K 3850.6	-Passage Rock.	36° 51.4' S 175° 07.8' E	<b>FI.(2)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	45	14	8 White metal tower; 3.	
4232 K 3851	-Pakatoa Island, NW. end of wharf.	36° 47.6' S 175° 11.3' E	<b>2 F.R.</b> (vert.)	13	4	2 Gray metal mast; 13.	
4235 K 3853	-Wharekawa Quarry, N. end of channel.	37° 03.8' S 175° 18.0' E	<b>Q.G.</b>	20	6	3 Post, concrete pier; 10.	
4235.5 K 3854	-S. end of channel.	37° 03.8' S 175° 18.0' E	<b>Q.R.</b>	26	8	3 On wreck; 13.	
4235.7 K 3855	-Kaiaua Boat Ramp.	37° 06.6' S 175° 18.1' E	<b>F.W.</b>	10	3	2 Grey metal pole; 10.	
4236 K 3856	-Piako River entrance.	37° 10.1' S 175° 29.6' E	<b>FI.W.R.</b> period 3s fl. 0.3s, ec. 2.7s	10	3	W. 5 Red pile beacon. R. 3	W. 138°24'-153°48', R.- 346°36', W.-002°48', R.- 138°24'.
-Waihou River:							
4240 K 3868	--Outer Channel, N. side.	37° 09.2' S 175° 30.7' E	<b>FI.R.</b> period 5s fl. 0.6s, ec. 4.4s	16	5	3 Red pile beacon.	F.W. marks passage through Hauraki Bridge 3.3 miles SE.
4244 K 3860	--Kauaeranga Channel, sewer outfall, outer end.	37° 08.2' S 175° 31.3' E	<b>FI.R.</b> period 15s	13	4	3 White square structure, on piles; 13.	
4248 K 3862	--Kauaeranga Channel, N. side, No. 6.	37° 09.0' S 175° 32.0' E	<b>Q.R.</b>	13	4	3 Red beacon.	
4252 K 3864	--Kauaeranga Channel, E. side, No. 8.	37° 08.8' S 175° 32.2' E	<b>Q.R.</b>	13	4	3 Red beacon.	
4260 K 3878	Coronandel Harbor.	36° 48.3' S 175° 24.1' E	<b>L.FI.W.</b> period 8s fl. 2s, ec. 6s	108	33	9 Square concrete tower; 10.	
4262 K 3879.5	-Sugarloaf Ramp Point.	36° 48.3' S 175° 28.4' E	<b>FI.W.</b> period 20s	39	12	3 Metal post; 23.	
4263 K 3879.8	-Whangarahi Stream.	36° 46.0' S 175° 29.0' E	<b>FI.(3)G.</b> period 20s	26	8	2 STARBOARD (A) G, pole, topmark; 26.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4264 K 3880	-Wharf, head.	36° 45.8' S 175° 29.0' E	<b>F.R.</b>	26 8	2	Metal post; 20.	
4266 K 3880.5	-Little Passage.	36° 46.2' S 175° 27.4' E	<b>Fl.(3)G.</b> period 10s	26 8	2	STARBOARD (A) G, pole, topmark; 26.	
4268 K 3879	Tekouma Head, S. end.	36° 49.5' S 175° 25.4' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	128 39	5	Metal column; 13.	
4272 K 3882	Channel Island.	36° 25.3' S 175° 19.9' E	<b>Fl.(2)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 8s	259 79	9	White metal tower; 13.	
4276 K 3736.2	Tryphena Point.	36° 19.2' S 175° 28.8' E	<b>Fl.(3)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2.5s	85 26	4	White metal column; 10.	
4280 K 3888	Port Charles.	36° 30.7' S 175° 29.4' E	<b>Fl.(4)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	509 155	9	Metal column; 13.	
4284 K 3886	<b>Cuvier Island.</b>	36° 26.4' S 175° 47.1' E	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	390 119	19	White metal tower; 49.	Obscured 086°-129° within 8M, obscured off Cape Colville when bearing more than 089°. Reserve light range 10M.
4288 K 3892	Ohinau Island, near W. point.	36° 43.6' S 175° 52.6' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	344 105	9	White round metal tower; 13.	
4292 K 3890	Old Man Rock.	36° 42.6' S 175° 50.8' E	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	210 64	8	Concrete pedestal.	
4296 K 3893	Whitianga, entrance.	36° 49.6' S 175° 42.8' E	<b>Fl.W.R.</b> period 3s fl. 0.3s, ec. 2.7s	99 30	W. 7 R. 4	White mast; 16.	W. 060°-239°, R.-246°, W.- 301°24'. Partially obscured by Motukorure Island.
4300 K 3896	Slipper Island, E. side.	37° 02.9' S 175° 57.2' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	338 103	9	White metal tower; 13.	Visible 044°-056°, 092°-125°, and 148°30'-041°.
4304 K 3897	Whangamata Entrance Range, front.	37° 12.0' S 175° 53.0' E	<b>F.R.</b>	33 10	4	Gray concrete post, neon rectangular daymark.	
4308 K 3897.1	-Rear, 18 meters 288°17' from front.	37° 12.3' S 175° 52.7' E	<b>F.R.</b>	39 12	4	Gray concrete post, neon rectangular daymark.	
4309 K 3897.2	-Outer.	37° 12.2' S 175° 53.0' E	<b>Q.G.</b>	10 3	2	STARBOARD (A) G, beacon, topmark.	
4310 K 3897.3	-Inner.	37° 12.1' S 175° 52.8' E	<b>Q.G.</b>	10 3	1	STARBOARD (A) G, beacon, topmark.	
4312 K 3898	Mayor Island, S. extremity.	37° 18.6' S 176° 15.5' E	<b>Fl.(3)W.R.</b> period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 11.5s	99 30	W. 7 R. 4	White metal column; 13.	W. 236°-248°30', R.-274°30', W.-094°30'.
TAURANGA HARBOR:							
4316 K 3899	<b>-The Mount.</b>	37° 37.6' S 176° 10.4' E	<b>Fl.W.</b> period 15s	262 80	24	White square concrete structure; 3.	Visible 132°-311°30'. F.R. 0.2 mile S.
4318 K 3899.05	-Beacon A.	37° 36.1' S 176° 10.7' E	<b>V.Q.(3)W.</b> period 5s	46 14	6	E. CARDINAL BYB, topmark.	<b>Radar reflector.</b>

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4320 K 3899.1	-North Rock.	37° 37.4' S 176° 10.5' E	<b>Fl.W.R.</b> period 3s fl. 0.3s, ec. 2.7s	36 11	W. 3 R. 2	Red metal column, concrete base; 16.	R. 273°-003°, W.- elsewhere.
4328 K 3899.4	-No. 1 Reach Range, front.	37° 38.0' S 176° 09.5' E	<b>F.G.</b>	36 11		Beacon, white neon rectangular daymark, black stripe; 43.	
	-Cutter Channel, outbound, 298°15'.		<b>Dir.W.R.G.</b>	39 12	W. 6 R. 4 G. 4		F.G. 292°30'-293°, Al.W.G.-298° (W. phase increasing with bearing), F.W.-298°30', Al.W.R.-303°30', (R. phase increasing with bearing), F.R.-305°30', Iso.R.-307°30'.
	--209°.		<b>Dir.W.R.G.</b>	39 12			Al.W.G. 207°15'-208°08', F.W.-209°53', Al.W.R.-210°45' (Directional approach light operated on request only, contact Port of Tauranga).
4332 K 3899.41	--Rear, 252 meters 209° from front.	37° 38.1' S 176° 09.4' E	<b>F.G.</b>	56 17		Beacon, white neon triangular daymark point down, black stripe.	F.R. at close NW. and .14M NNE. in line 217°, mark E. boundary of No. 1 Reach dredged channel.
4336 K 3899.2	-Northwest Rock.	37° 37.7' S 176° 10.0' E	<b>Fl.W.</b> period 2s fl. 0.3s, ec. 1.7s	23 7	5	Metal column.	
4340 K 3899.7	-No. 2 Reach Range, front.	37° 38.9' S 176° 09.8' E	<b>Iso.G.</b> period 2s	36 11	6	Concrete pile beacon, white triangular daymark point up.	
			<b>Dir.W.R.G.</b>	13 4	8	Same structure.	Q.G. 177°30'-179°42', Q.W.-180°12', Q.R.-187°30'.
4344 K 3899.8	--Rear, 752 meters 180°10' from front.	37° 39.3' S 176° 09.8' E	<b>Dir.W.R.G.</b>	16 5		Metal tripod, concrete base, orange triangular daymark point up; 49.	F.G. 175°12'-175°54', Al.W.G.-179°54' (W. phase increasing with bearing), F.W.-180°24', Al.W.R.-184°24' (R. phase increasing with bearing), F.R.-185°12'.
4348 K 3900	-Stoney Point.	37° 38.2' S 176° 10.1' E	<b>Q.(2)R.</b> period 3s	20 6	4	PORT (A) R, beacon, topmark; 3.	
4352 K 3900.4	-Beacon No. 1.	37° 38.3' S 176° 10.2' E	<b>V.Q.(9)W.</b> period 10s	16 5		W. CARDINAL YBY, beacon, topmark.	
4364 K 3903	--No. 7.	37° 38.4' S 176° 10.7' E	<b>Q.(6)+L.Fl.W.</b> period 15s	13 4	4	S. CARDINAL YB, beacon, topmark.	
4366 K 3904	-Salisbury Ferry Jetty, elbow.	37° 38.4' S 176° 10.9' E	<b>F.W.R.</b> (vert.)	30 9	2	Mast.	Visible 358°-133°. One meter apart.
4368 K 3904.1	-Tug Berth Jetty, head.	37° 38.5' S 176° 10.9' E	<b>2 F.Y.</b> (vert.)				
4377 K 3904.3	--Cutter Channel.	37° 38.7' S 176° 11.1' E	<b>F.G.</b>	128 39		Framework tower, triangular neon daymark point down.	
4381 K 3904.5	-Mount Maunganui Wharf, N. end.	37° 38.5' S 176° 10.9' E	<b>2 F.G.</b> (vert.)	23 7	5		
4382 K 3905.1	--Ro Ro berth.	37° 39.0' S 176° 11.0' E	<b>2 F.R.</b> (vert.)				
4383 K 3907	--S. end.	37° 39.6' S 176° 10.9' E	<b>2 F.Y.</b> (vert.)	33 10	2	Column.	Visible 008°-188°.
4392 K 3919	-Western Channel, Hunters Creek.	37° 38.4' S 176° 08.1' E	<b>Q.(2+1)G.</b> period 6s	23 7	5	PREFERRED CHANNEL (A) GRG, beacon, topmark.	Western channel marked by lighted buoys and beacons.
4394 K 3920.6	-W. Otumoetai.	37° 39.1' S 176° 08.8' E	<b>Q.(9)W.</b> period 15s	10 3	2	W. CARDINAL YBY, beacon, topmark.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4396 K 3906	-The Leaner, No. 19.	37° 39.4' S 176° 10.6' E	<b>Q.(2+1)G.</b> period 6s		5	PREFERRED CHANNEL (A) GRG, beacon, topmark.	Marks entrance to Otumoetai channel, marked by lighted beacons.
4397.5 K 3920.21	--Marina Fuel Pier.	37° 39.6' S 176° 09.9' E	<b>3 F.R.</b> (vert.)	18 5	2		1 meter apart.
4398 K 3920.35	-Otumoetai Channel, beacon C.	37° 39.5' S 176° 09.8' E	<b>Q.(2+1)R.</b> period 6s			PREFERRED CHANNEL (A) RGR, beacon, topmark.	Visible 249°30'-118°.
4399 K 3911	-Tanker Berth, N. end.	37° 39.9' S 176° 10.8' E	<b>F.W.Y.</b> (vert.)				
4400 K 3911.1	--S. end.	37° 39.9' S 176° 10.8' E	<b>F.W.G.</b> (vert.)				
4401 K 3912	-Butters Crane Landing.	37° 40.1' S 176° 10.8' E	<b>F.R.W.</b> (vert.)	20 6		Beacon.	F.R. lights on chimneys 0.1 mile NE. Identification lights for Aerodrome Wharf, Whareroa Point.
4402 K 3916	-Mission Point Slipway.	37° 40.4' S 176° 10.4' E	<b>3 F.G.</b> (vert.)			Pile.	
4403 K 3917	-Coronation Pier.	37° 41.0' S 176° 10.3' E	<b>F.W.</b>	20 6			
4408 K 3922	Motiti Island.	37° 36.4' S 176° 25.1' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	207 63	8	White metal column; 13.	
4409 K 3924	<b>Whakatane AVIATION LIGHT.</b>	37° 55.5' S 176° 54.9' E	<b>Fl.W.</b> period 3.7s	46 14	15		Occasional.
4428 K 3929	Cape Runaway.	37° 32.3' S 177° 59.0' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	187 57	9	White fiberglass tower; 10.	
4432 K 3930	Matakaoa Point.	37° 33.4' S 178° 18.8' E	<b>Fl.(4)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 13.5s	67 20	8	White square metal tower; 13.	Visible 105°-303°.
4436 K 3932	<b>East Cape.</b>	37° 41.3' S 178° 32.9' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	505 154	19	White round metal tower; 46.	Visible 140°-146° and 153°-026°, except where obscured by East Island. Reserve light range 10M.
4456 K 3950	<b>Gable End Foreland.</b>	38° 31.5' S 178° 17.4' E	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	689 210	19	White metal tower; 13.	
4460 K 3954	Tuaheni Point.	38° 42.1' S 178° 03.9' E	<b>L.Fl.W.</b> period 8s fl. 2s, ec. 6s	420 128	10	White metal column; 13.	
GISBORNE:							
4464 K 3958	-W. of Turanganui River on Waikanae Beach Range, front.	38° 40.5' S 177° 59.3' E	<b>F.G.</b>	39 12	7	Metal framework tower, orange neon triangular daymark point up, black stripe; 33.	
4468 K 3958.1	--Rear, 400 meters 332°06' from front.	38° 40.3' S 177° 59.1' E	<b>F.G.</b>	69 21	7	Metal framework tower, orange neon triangular daymark point down, black stripe; 69.	AERO Fl.W. 5s (occasional) 0.6 mile N.
4472 K 3962	-S. breakwater, head.	38° 40.7' S 178° 01.1' E	<b>Iso.G.</b> period 3s	20 6	4	Green metal tower.	Visible 349°-236°.
4473 K 3962.15	-Butlers Wall, S. end.	38° 40.6' S 178° 01.2' E	<b>Iso.R.</b> period 3s	20 6	4	Red tubular structure; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-NORTH ISLAND</b>							
4476 K 3966	-Entrance Channel Range, front.	38° 40.4' S 178° 01.6' E	<b>F.W.R.G.</b>		23 7	Black metal tower, orange triangular daymark point up, black stripe; 23.	R. 043°06'-050°30' over Tokomaru Rock, W.- 052°54', G.-056°06', R.- 064°42', W.-068°30'.
4480 K 3966.1	--Rear, 270 meters 054°31' from front.	38° 40.3' S 178° 01.8' E	<b>F.G.</b>		36 11	Black metal tower, orange neon triangular daymark point down, black stripe; 36.	
4484 K 3969	Table Cape.	39° 06.8' S 177° 59.7' E	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s		617 188	9 White round tower; 10.	May be obscured 028°-031° by Portland Island.
4488 K 3970	Portland Island, S. extremity.	39° 18.3' S 177° 52.1' E	<b>Fl.W.</b> period 15s fl. 1s, ec. 14s		318 97	9 White metal tower; 13.	
NAPIER:							
4496 K 3980.05	-AVIATION LIGHT.	39° 26.2' S 176° 52.0' E	<b>Oc.R.</b> period 1.5s		26 8		Obstruction. Occasional.
4506 K 3981	<b>-Westshore.</b>	39° 27.5' S 176° 52.3' E	<b>Fl.W.R.G.</b> period 10s fl. 0.3s, ec. 9.7s		49 15	W. 16 R. 13 G. 13	White metal tower; 43. W. 228°-248°, R.-272°, G.- 278°18' and R. 281°36'- 287°36'.
			<b>Dir.W.R.G.</b>		49 15	14	Same structure. F.G. 278°15'-279°30', F.W.- 280°30', F.R.-281°45'. Range 4M by day.
4516 K 3984	-Inner harbor, on E. pier.	39° 28.7' S 176° 53.8' E	<b>Dir.W.R.G.</b>		33 10	11	Blue hut; 13. G. 202.1°-204.4°, W.-205.6°, R.-209.6°.
			<b>Iso.R.</b> period 4s		33 10	6	Same structure. Range 3M by day.
4517 K 3981.6	--W. entrance.	39° 28.7' S 176° 53.7' E	<b>Fl.(5)G.</b> period 20s		13 4	4	STARBOARD (A) G, beacon; 7.
4520 K 3982.5	Napier Approach.	39° 28.7' S 176° 54.5' E	<b>Dir.W.R.G.Y.</b>		23 7	11	White tower; 13. Y. 179°-181°, G.-182°, W.- 184°, R.-189°. Range 2M by day.
4524 K 3981.7	-Inner Harbor.	39° 29.1' S 176° 53.6' E	<b>Dir.W.R.G.</b>		20 6	7	Yellow metal tower; 13. G. 186.8°-191.5°, W.-191.9°, R.-196.6°. Range 1M by day.
4536 K 3983	-Breakwater Harbor, front.	39° 28.5' S 176° 54.8' E	<b>F.R.</b>		62 19		Red and yellow pole, red neon triangular daymark point up.
4540 K 3983.1	--Rear, 335 meters 168° from front.	39° 28.6' S 176° 54.9' E	<b>F.R.</b>		82 25		Red and yellow pole, red neon triangular daymark point down.
4541 K 3982.7	-Range, front.	39° 28.5' S 176° 54.7' E	<b>F.Bu. (neon)</b>		33 10	1	
4542 K 3982.71	--Rear, 100 meters 171° from front.	39° 28.5' S 176° 54.7' E	<b>F.Bu. (neon)</b>		62 19	1	
4552 K 3983.2	-Breakwater, N. end.	39° 28.2' S 176° 55.2' E	<b>V.Q.(2)W.</b> period 5s fl. 0.3s, ec. 0.3s fl. 0.3s, ec. 4.1s		39 12	5	White mast; 30.
4554 K 3983.3	--Mole, head.	39° 28.2' S 176° 54.9' E	<b>Oc.R.</b> period 3s lt. 2.5s, ec. 0.5s		30 9	4	White metal tower; 23.
4554.1 K 3983.25	--Tower.	39° 28.5' S 176° 55.3' E	<b>F.Bu. (neon)</b>		112 34	1	Tower. Floodlit.
4555 K 3983.15	--Inner.	39° 28.4' S 176° 55.3' E	<b>Dir.W.R.G.</b>		92 28	2	Tower. Floodlit. F.G. 094°-102°, Al.W.G.-107°, FW.-116°, Al.W.R.-121°, FR.-129°.



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-NORTH ISLAND</b>							
4556 K 3990	N. of Tukituki River Range, front.	39° 35.2' S 176° 56.2' E	<b>F.R.</b>	23 7	10	Pile, orange neon triangular daymark point up.	Marks submarine pipeline.
4560 K 3990.1	--Rear, 175 meters 245°49' from front.	39° 35.3' S 176° 56.2' E	<b>F.R.</b>	33 10	10	White pole, orange neon triangular daymark point up.	
4564 K 3992	Cape Kidnappers.	39° 38.7' S 177° 05.5' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	367 112	8	White metal tower; 13.	
4568 K 3993	Blackhead Point.	40° 13.0' S 176° 47.2' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	134 41	9	White metal tower; 13.	
4572 K 3994	<b>Castle Point.</b>	40° 54.0' S 176° 13.9' E	<b>Fl.(3)W.</b> period 30s fl. 0.2s, ec. 2s fl. 0.3s, ec. 2s fl. 0.2s, ec. 25.3s	171 52	26	White metal tower; 75.	Visible 209°-029°. Reserve light range 10M.
4576 K 3998	Honeycomb Rock.	41° 20.6' S 175° 49.6' E	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s	187 57	10	White metal tower; 13.	
4580 K 4000	<b>Cape Palliser.</b>	41° 36.7' S 175° 17.4' E	<b>Fl.(2)W.</b> period 20s	256 78	26	White metal tower, red bands, concrete base; 59.	Reserve light range 10M.
WELLINGTON HARBOR:							
4584 K 4004	-Baring Head.	41° 24.5' S 174° 52.3' E	<b>Oc.W.</b> period 15s fl. 9s, ec. 6s	286 87	10	White concrete tower; 39.	Visible 301°-169°.
4588 K 4006	-Pencarrow Head.	41° 21.6' S 174° 50.9' E	<b>Fl.(3)W.R.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 18	W. 12 R. 10	White tower, concrete base; 56.	W. 000°30'-081°, R.-176°30', W.-187°30'.
4592 K 4010	-Range, front, E. side of entrance channel.	41° 19.1' S 174° 51.3' E	<b>Q.W.</b>	23 7	21	White tower on black metal pile structure; 13.	Emergency light range 16M. Reserve light range 19M.
4596 K 4010.1	<b>-Hope Shoal</b> , rear, 1.34 miles 016°24' from front.	41° 17.8' S 174° 51.8' E	<b>Iso.W.R.G.</b> period 4s	56 17	W. 22 R. 8 G. 11	Round metal structure, orange and yellow stripes on seaward side of round metal structure.	W. (intens.)014°-019°, W.-123°, W.(intens.)-124°, G.(intens.)-133°, G.-183°, W.(intens.)-218°, R.-357°, W.-014°. Iso.W. 4s 4M by day. Intensified on 014°-019° by request.
4600 K 4013	-Seatoun Wharf.	41° 19.1' S 174° 49.8' E	<b>F.R.</b>	20 6		Post, neon daymark; 10.	
4604 K 4011	-Steeple Rock.	41° 19.5' S 174° 50.7' E	<b>Iso.W.R.</b> period 6s	23 7	W. 9 R. 8	White round tower, red band.	W. 133°-190°, R.-015°.
4606 K 4012	-Falcon Shoals.	41° 18.3' S 174° 51.0' E	<b>Fl.R.</b> period 3s	20 6	3	Red pile, white bands.	
4608 K 4054	-Days Bay, wharf, head.	41° 16.8' S 174° 54.3' E	<b>F.W.G.</b> (vert.)	23 7			
4612 K 4055	-Seaview Wharf, S. end, head.	41° 15.5' S 174° 53.9' E	<b>2 F.G.</b> (vert.)			Dolphin.	
4616 K 4056	-Howard Point, wharf, head.	41° 15.2' S 174° 54.0' E	<b>F.G.</b>				
4617 K 4057.2	--Entrance, N.	41° 15.1' S 174° 54.1' E	<b>Q.(2)R.</b> period 5s			Wooden pile; 7.	
4617.1 K 4057.4	---S.	41° 15.1' S 174° 54.1' E	<b>Q.(2)G.</b> period 5s			Wooden pile; 7.	
4618 K 4057.5	-Seaview Marina, outer breakwater, head.	41° 15.1' S 174° 54.1' E	<b>Q.(2)G.</b> period 5s	16 5	2	Wooden mast; 13.	

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4619 K 4057.6	--Inner breakwater, head.	41° 15.1' S 174° 54.1' E	<b>Q.(2)R.</b> period 5s	16 5	4	Wooden mast; 13.	Visible 071°42'-326°24'.
4619.1 K 4057	--Elbow.	41° 15.0' S 174° 54.0' E	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	16 5	4	Wooden mast; 13.	
4620 K 4014	-Somes Island.	41° 15.6' S 174° 51.8' E	<b>L.Fl.W.</b> period 10s fl. 4s, ec. 6s	95 29	7	White tower.	Visible 314°-107°. F.R. 2.5 miles NW. R. lights on radio tower 4.2 miles NW.
4624 K 4058	-Petone, wharf, head.	41° 13.8' S 174° 52.2' E	<b>2 F.R.</b> (vert.)	30 9	4		Two meters apart.
-Lambton Harbor, Wellington:							
4635 K 4045	--Thorndon Container Terminal, off SE. end.	41° 16.9' S 174° 47.4' E	<b>Oc.G.</b> period 3s fl. 2s, ec. 1s	20 6		Pile beacon.	<b>Radar reflector.</b>
4637 K 4047	---SE. end, outer.	41° 16.8' S 174° 47.4' E	<b>F.R.</b>				
4639 K 4043	--Off SW. corner.	41° 16.9' S 174° 47.1' E	<b>F.G.</b>	20 6		Pile beacon.	
4653 K 4053	--Berthing.	41° 16.0' S 174° 47.3' E	<b>Q.R.</b>	33 10	3	White metal mast; 20.	
			<b>2 F.R.</b> (horiz.)	20 6	1		
4654 K 4052.2	--No. 2.	41° 16.0' S 174° 47.3' E	<b>F.R.</b>	10 3	3		
4668 K 4032	--Chaffers Marina.	41° 17.3' S 174° 47.0' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s		3	Wooden pile.	
4669 K 4032.1	---S.	41° 17.4' S 174° 47.0' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	10 3	3	Wooden pile.	
4682 K 4022	-Evans Bay, 184°30'.	41° 19.0' S 174° 48.4' E	<b>Iso.W.R.G.</b> period 4s	26 8	4	Gray pole; 16.	G. 180°-182°, W.-187°, R.-189°.
4684 K 4019.6	--	41° 18.6' S 174° 48.4' E	<b>Q.G.</b>	10 3	5	Black pile.	
4686 K 4021.4	--Breakwater, head.	41° 18.7' S 174° 48.0' E	<b>Q.G.</b>	10 3	2	Pile beacon.	
4688 K 4024	-Jerningham Point, on N. extremity of point.	41° 17.1' S 174° 48.2' E	<b>Q.R.</b>	20 6	5	White beacon; 13.	
4692 K 4021	-Miramar Wharf, outer end.	41° 18.8' S 174° 48.6' E	<b>2 F.R.</b> (vert.)	30 9			
4696 K 4021.4	-Marina entrance.	41° 19.0' S 174° 48.0' E	<b>Q.R.</b>	10 3	2	Pile beacon.	
4704 K 4020	-Burnham Wharf, middle of N. end.	41° 18.6' S 174° 48.7' E	<b>2 F.G.</b> (vert.)	30 9			Two meters apart.
4708 K 4018	<b>-Point Halswell.</b>	41° 17.0' S 174° 49.6' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	26 8	15	Black and white checkered concrete tower; 20.	Visible 070°-294°. Red light on mast 0.67M SSE.
4714 K 4061	Island Bay Range, front.	41° 20.7' S 174° 46.3' E	<b>F.R.</b>				Occasional.
4715 K 4061.1	-Rear, about 25 meters 012°18' from front.	41° 20.6' S 174° 46.3' E	<b>F.R.</b>				Occasional.
4717 K 4062.1	Tongue Point.	41° 20.4' S 174° 39.6' E	<b>Fl.W.R.</b> period 4s fl. 0.8s, ec. 3.2s	144 44	W. 9 R. 6	White metal tower; 13.	R. 297°24'-012°, W.-139°18'.

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<b>NEW ZEALAND-NORTH ISLAND</b>							
4720 K 4063.4	Oteranga Bay, cable area N. limit.	41° 17.7' S 174° 37.1' E	<b>L.F.I.W.R.</b> period 20s	82 25	W. 8 R. 5	Beacon, orange stripe, white triangular daymark point up.	R. 017°-107°, W.-197°.
4724 K 4063	-S. limit.	41° 19.1' S 174° 38.1' E	<b>Fl.(3)W.R.</b> period 20s fl. 1.5s, ec. 0.5s fl. 1.5s, ec. 0.5s fl. 1.5s, ec. 14.5s	295 90	W. 7 R. 4	Beacon, orange stripe, white triangular daymark point up.	W. 328°-058°, R.-148°.
4728 K 4066.2	Ohau Point.	41° 14.4' S 174° 38.7' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	341 104	8	White metal tower; 13.	Visible 094°-shore at Makara Bay.
4732 K 4067	<b>Paraparaumu Airport</b> AVIATION LIGHT.	40° 54.1' S 174° 59.5' E	<b>Fl.W.</b> period 3.5s	79 24	15	Tower.	Shown from sunset to 2200. A F.R. light is occasionally shown from a water tower 0.4 mile NW.
4733 K 4068	Waikane.	40° 51.8' S 175° 01.1' E	<b>Iso.G.</b> period 6s	20 6	5		Visible 060°-216°.
WANGANUI RIVER:							
4746 K 4074	--S. mole.	39° 57.0' S 174° 58.9' E	<b>Fl.G.</b> period 1.5s fl. 0.4s, ec. 1.1s	33 10	5	STARBOARD (A) G, beacon; 15.	
4747 K 4082	--Te Anau.	39° 56.9' S 174° 59.5' E	<b>Q.G.</b>	20 6	2	On bow of hulk.	Marks wreck Te Anau.
4750 K 4075	--N. mole.	39° 56.9' S 174° 58.8' E	<b>Fl.R.</b> period 1.5s fl. 0.4s, ec. 1.1s	26 8	5	PORT (A) R, beacon; 15.	
4752 K 4078	-N. Head Range, front.	39° 56.7' S 174° 59.4' E	<b>F.R.</b>	52 16		White neon rectangular beacon, black "X".	Moved as necessary to mark channel over the bar. Traffic signals.
4756 K 4078.1	--Rear, 76 meters 059° from front.	39° 56.7' S 174° 59.4' E	<b>F.R.</b>	75 23		White triangular beacon, black stripe, black neon round daymark, white border.	Range lights altered to agree with channel over bar.
4780 K 4084	Patea River, E. side of entrance.	39° 46.2' S 174° 29.5' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	135 41	7	White column and base; 16.	Visible 310°30'-110°30'. F.R. on water tower 14.5 miles NW.
4782 K 4084.5	Kupe Platform.	39° 51.0' S 174° 07.2' E	<b>Mo.(U)W.</b> period 15s	79 24	10	Platform.	1 on each corner. Horn: Mo.(U) 30s.
RACON							
<b>U(• • -)</b>							
4784	Hawera.	39° 35.5' S 174° 16.9' E	<b>F.R.</b> (neon)			Water tower.	
4786 K 4089	Puniho.	39° 11.6' S 173° 47.5' E	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	9	White metal tower; 13.	
4788 K 4088	<b>Cape Egmont.</b>	39° 16.6' S 173° 45.2' E	<b>Fl.W.</b> period 8s fl. 1s, ec. 7s	108 33	19	White iron tower; 66.	Visible 352°-200°. Reserve light range 10M.
4792 K 4087	Maui A.	39° 33.3' S 173° 27.0' E	<b>Mo.(U)W.</b> period 15s fl. 0.4s, ec. 0.5s fl. 0.4s, ec. 0.5s fl. 1.2s, ec. 12s	89 27	10		<b>Horn:</b> Mo.(U) 3 bl. ev. 30s (bl. 0.7s, si. 1s, bl. 0.7s, si. 1s, bl. 2.5s, si. 24.1s).
			<b>Oc.(2)R.</b> period 6s lt. 1s, ec. 1s lt. 3s, ec. 1s	161 49	11	On NE side.	Visible 226°30'-256°30', marks pipeline.
			<b>Oc.R.</b> period 10s lt. 6s, ec. 4s	69 21	5	On SW side.	Visible 038°-060°, marks pipeline.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-NORTH ISLAND</b>							
4793 K 4087.5	-Maui B.	39° 38.7' S 173° 19.0' E	<b>Mo.(U)W.</b> period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 3s, ec. 8s	59 18	15	At N and S corners.	<b>Horn:</b> Mo.(U) 3 bl. ev. 30s. (bl. 0.7s, si. 1s, bl. 0.7s, si. 1s, bl. 2.5s, si. 24.1s).
			<b>Fl.(3)R.</b> period 10s	62 19	5	On NE side.	Visible 208°30'-252° (marks pipeline).
4795 K 4084.75	FPSO Raroa.	39° 58.5' S 173° 17.8' E	<b>Mo.(U)W.</b> period 15s fl. 0.7s, ec. 0.2s fl. 0.7s, ec. 0.2s fl. 1.5s, ec. 11.7s		10	On foremast.	<b>Horn:</b> Mo.(U) 3 bl. ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
			<b>Mo.(U)R.</b> period 15s fl. 0.7s, ec. 0.2s fl. 0.7s, ec. 0.2s fl. 1.5s, ec. 11.7s		10	On port and starboard bridge wings; 66.	
4795.1 K 4084.6	Maari Platform.	39° 59.3' S 173° 17.5' E	<b>Mo.(U)W.</b> period 15s fl. 0.7s, ec. 0.2s fl. 0.7s, ec. 0.2s fl. 1.5s, ec. 11.7s	89 27	10	Platform.	<b>Horn:</b> Mo.(U) 3 bl. ev. 30s (bl. 0.75s, si. 1s, bl. 0.75s, si. 1s, bl. 2.5s, si. 24s).
4796 K 4086	-Oaonui, N. limit.	39° 22.1' S 173° 46.9' E	<b>F.W.R.</b>	95 29	W. 12 R. 10	Black metal structure, white stripes.	R. 342°-057°, W.-132°. Marks northern boundary of Maui prohibited anchorage area.
4800 K 4085	--S. limit.	39° 25.6' S 173° 49.2' E	<b>Iso.W.R.</b> period 6s	121 37	W. 12 R. 10	Black metal structure, white stripes; 36.	W. 347°-062°, R.-137°. Marks southern boundary of Maui prohibited anchorage area.
NEW PLYMOUTH:							
4804 K 4090	-Mikotahi.	39° 03.3' S 174° 01.8' E	<b>Fl.(2)W.</b> period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	98 30	10	Gray metal tower, white top.	Visible 066°-127°, 133°-159°, and 171°-242°.
4806 K 4093.3	-Turning Basin Center.	39° 03.1' S 174° 02.3' E	<b>Fl.Y.</b> period 5s	13 4	1	White pole; 3.	Visible 280°-063°.
4808 K 4092	-Outer breakwater, head.	39° 03.0' S 174° 02.5' E	<b>Fl.G.</b> period 2s fl. 0.4s, ec. 1.6s	43 13	10	Black mast, orange bands; 20.	Fl.Y. 2s marks wave recorder 480 meters SE.
4812 K 4092.8	-Lee breakwater, head.	39° 03.3' S 174° 02.7' E	<b>Q.(4)R.</b> period 6s	43 13	5	Black column, yellow bands; 30.	
4820 K 4093	-Entrance Range, front.	39° 03.7' S 174° 02.5' E	<b>2 V.Q.R.</b>	30 9	12 5	Orange pyramidal beacon, orange neon circular daymark.	Red strip light, 1 meter long.
4824 K 4093.1	--Rear, 140 meters 197°16' from front.	39° 03.7' S 174° 02.5' E	<b>2 V.Q.R.</b>	66 20	12 5	Orange pyramidal beacon, orange neon circular daymark.	Red strip light, 1 meter long.
4825 K 4094	-Moturoa Wharf Range, front.	39° 03.4' S 174° 01.9' E	<b>V.Q.W.</b>	26 8	4	Metal mast, orange triangular daymark point up; 23.	
4825.1 K 4094.1	--Rear, 121 meters 242°47' from front.	39° 03.4' S 174° 01.8' E	<b>V.Q.W.</b>	43 13	4	Building, orange triangular daymark point up; 23.	
4826 K 4094.5	-Blyde Wharf Range, front.	39° 03.4' S 174° 02.0' E	<b>V.Q.G.</b>	49 15	3	Metal mast, orange triangular daymark point up; 30.	
4826.1 K 4094.51	--Rear, 62 meters 247°31' from front.	39° 03.5' S 174° 01.9' E	<b>V.Q.G.</b>	66 20	3	Building, orange triangular daymark point up; 39.	
4827 K 4095	-Breakwater Berth Range, front.	39° 03.3' S 174° 02.1' E	<b>V.Q.R.</b>	59 18	3	Metal mast; 39.	
4827.1 K 4095.1	--Rear, 118 meters 285°06' from front.	39° 03.3' S 174° 02.0' E	<b>V.Q.R.</b>	79 24	3	Metal mast; 59.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-NORTH ISLAND</b>							
4827.5 K 4095.2	-Marina.	39° 03.4' S 174° 02.8' E	<b>Q.R.</b>	10 3	1	Yellow metal pile; 10.	
4828 K 4091	-AVIATION LIGHT.	39° 00.5' S 174° 10.8' E	<b>Fl.W.</b> period 3.7s fl. 0.2s, ec. 3.5s	138 42	15	Control tower.	Occasional. <b>Aero Radiobeacon</b> 0.5 mile N.
4832 K 4095.5	Waitara River.	38° 59.9' S 174° 14.1' E	<b>Dir.W.R.G.</b>	43 13	W. 8 R. 6 G. 6	Shed.	F.R. 146°54'-151°18', F.W.-152°06', F.G.-156°24'. Vessels should not attempt to enter without recent local knowledge.
4833 K 4095.8	Pohokura B.	38° 54.7' S 174° 16.3' E	<b>2 Mo.(U)W.</b> period 15s	79 24	10	Platform.	<b>Horn:</b> Mo.(U) 3 bl. ev. 30s (bl. 0.7s, si. 1s, bl. 0.7s, si. 1s, bl. 2.5s, si. 24.1s).
			<b>3 Mo.(U)R.</b> period 15s	79 24	4		
4836 K 4096	Ironsand Terminal.	38° 10.1' S 174° 42.3' E	<b>L.Fl.(2)W.</b> period 20s	118 36	12	Tower, red and white bands; 39.	
4844 K 4104	Raglan Harbor, Putoetoe Point, front.	37° 48.0' S 174° 52.0' E	<b>F.R.</b>	23 7	12	Orange triangular daymark point up, white border; 23.	
4848 K 4104.1	-Middle, 402 meters 089°18' from front.	37° 48.1' S 174° 52.1' E	<b>F.R.</b>	43 13	12	Orange triangular daymark, white border; 30.	
4852 K 4104.2	--Rear, about 926 meters 089°18' from front.	37° 48.0' S 174° 52.4' E	<b>F.W.R.G.</b>	85 26	W. 22 R. 20 G. 20	Orange diamond daymark, white border; 26.	Alignment of white sector may be altered to indicate deepest water.
4856 K 4107	-Ninepin Rock.	37° 03.0' S 174° 30.2' E	<b>Fl.(4)W.</b> period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	95 29	14	Pedestal; 3.	<b>Radar reflector.</b>
MANUKAU:							
4868 K 4108	-Manukau Heads.	37° 03.1' S 174° 32.7' E	<b>Oc.W.</b> period 6s lt. 4s, ec. 2s	768 234	12	White wooden structure.	Visible 028°-130°. Signal station. <b>Radar reflector.</b>
4870 K 4109	-Papakura Channel.	37° 01.5' S 174° 40.1' E	<b>Dir.W.R.</b>	13 4	7	Red metal tripod structure, red square daymark.	F.I.W. 077°30'-079° (W. phase increasing with bearing), F.W.-081°, Fl.W.R.-082°30' (R. phase increasing with bearing).
			<b>Q.R.</b>	20 6	3	Same structure.	Channel marked by beacons 1-10.
4872 K 4115	-Mill Point.	36° 59.4' S 174° 37.0' E	<b>Fl.W.</b> period 5s	20 6	5	Red metal column, white bands.	
4876 K 4119	-Onehunga Wharf.	36° 56.0' S 174° 47.0' E	<b>F.R.</b>	17 5	3		
4880 K 4114	-Puketuta Island, reef at W. end of island.	36° 57.6' S 174° 43.7' E	<b>Q.W.</b>	16 5	2	Tower.	
4884 K 4122	<b>Piha.</b>	36° 58.2' S 174° 28.1' E	<b>Fl.W.</b> period 15s fl. 0.5s, ec. 14.5s	873 266	20	White concrete tower; 16.	
KAIPARA HARBOR:							
4888 K 4132	-S. head.	36° 25.7' S 174° 14.2' E	<b>Fl.W.</b> period 7.5s fl. 0.5s, ec. 7s	135 41	8	White round tower; 13.	
4890 K 4133	-Kaipara River.	36° 29.2' S 174° 19.4' E	<b>Iso.G.</b> period 5s	7 2	5	STARBOARD (A) G, pole, topmark; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-NORTH ISLAND</b>							
4892 K 4134	-Shelly Beach, E. side of channel.	36° 31.0' S 174° 22.7' E	<b>Fl.W.R.</b> period 10s fl. 0.5s, ec. 9.5s	20 6	W. 4 R. 2	Red beacon on round concrete base; 7.	R. 082°-123°, W.-elsewhere.
4894 K 4135	-Auahine.	36° 36.0' S 174° 23.1' E	<b>Fl.G.</b> period 6s fl. 1.5s, ec. 4.5s	7 2		STARBOARD (A) G, pole, topmark; 7.	
4896 K 4136	-Helensville, near mouth of Kaipara River.	36° 36.8' S 174° 24.2' E	<b>Fl.G.</b> period 4s	13 4		Gray metal beacon; 13.	
4900 K 4140	-Sail Point.	36° 11.7' S 174° 03.7' E	<b>Fl.W.R.</b> period 10s fl. 0.5s, ec. 9.5s	33 10	W. 6 R. 4	White round metal tower; 10.	R. 296°-337°, W. elsewhere.
4904 K 4130	-Pouto Point.	36° 21.8' S 174° 10.9' E	<b>Fl.W.</b> period 5s fl. 0.3s, ec. 4.7s	20 6		White tower; 13.	Visible 190°-356°.
HOKIANGA RIVER:							
4908 K 4152	-Takataka Rock.	35° 23.0' S 173° 33.0' E	<b>Q.(3)W.</b> period 10s	7 2		E. CARDINAL BYB, beacon, topmark.	
AHIPARA BAY:							
4912 K 4153	-Reef Point.	35° 11.1' S 173° 03.5' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1.5s fl. 1s, ec. 6.5s	213 65		White fiberglass tower; 10.	

# Section 5

## South Island of New Zealand

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
4916 <i>K 4180</i>	-Cape Farewell, Pillar Point.	40° 30.2' S 172° 42.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	546 <b>166</b>	9	White metal tower; 13.	
4920 <i>K 4182</i>	<b>Bush End Point.</b>	40° 32.7' S 173° 00.5' E	<b>Fl.W.R.</b> period 15s fl. 0.3s, ec. 14.7s	98 <b>30</b>	W. <b>19</b> R. <b>15</b>	White metal framework tower, orange top; 89.	W. 117°-297°, R.-336°48', W.-089°30', obsc.-117°. Reserve light range 10M. <b>Radar reflector.</b>
4937 <i>K 4198</i>	Main Ledge Range, front.	40° 49.5' S 172° 53.9' E	<b>F.Bu.</b>	26 <b>8</b>	7	Wooden mast, white neon triangular daymark point up.	
4937.1 <i>K 4198.1</i>	-Rear, 32 meters 138°50' from front.	40° 49.5' S 172° 53.9' E	<b>F.Bu.</b>	33 <b>10</b>	7	Wooden mast, neon daymark.	
4940 <i>K 4199</i>	Tarakohe Harbor, E. outer mole, head.	40° 49.2' S 172° 53.6' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	20 <b>6</b>	3	Round metal tower; 7.	Obscured 201°-245°, until 2.6M from harbour entrance.
WAITAPU:							
4940.1 <i>K 4199.1</i>	-W. outer mole, head.	40° 49.3' S 172° 53.6' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	20 <b>6</b>	4	Round metal tower; 7.	
4944 <i>K 4204</i>	Separation Point.	40° 46.9' S 172° 59.9' E	<b>Fl.W.</b> period 8s fl. 0.5s, ec. 7.5s	59 <b>18</b>	8	White metal tower; 10.	Visible 099°-328°.
4948 <i>K 4206</i>	Pitt Head.	40° 56.9' S 173° 04.0' E	<b>Fl.(2)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	75 <b>23</b>	W. <b>7</b> R. <b>4</b>	Square orange daymark, white stripe; 10.	R. shore-191°, W.-337°, R.- 348°.
MOTUEKA HARBOR:							
4960 <i>K 4212</i>	-Motueka.	41° 08.2' S 173° 01.8' E	<b>Q.G.</b>	10 <b>3</b>	2	Green wooden pile.	Q.R. 2m 2M marks training wall close S. Vessels should not attempt to enter without recent local knowledge.
4968 <i>K 4214</i>	-Channel, N. side.	41° 08.2' S 173° 01.7' E	<b>Iso.G.</b> period 4s	10 <b>3</b>	2	Green wooden pile.	
PORT NELSON:							
4996 <i>K 4224</i>	<b>-Landfall.</b>	41° 15.3' S 173° 16.8' E	<b>Fl.(2)W.R.</b> period 12s fl. 0.2s, ec. 2.8s fl. 0.2s, ec. 8.8s	72 <b>22</b>	W. <b>20</b> R. <b>17</b>	Metal frameword tower; 59.	R. 067°-095°, W.-216°.
4996.5 <i>K 4225.6</i>	-Fairway Beacon.	41° 14.0' S 173° 14.2' E	<b>Q.W.</b>	43 <b>13</b>	9	N. CARDINAL BY, beacon, topmark.	
4996.8 <i>K 4225.8</i>	-Approach beacon.	41° 15.4' S 173° 15.2' E	<b>Oc.R.</b> period 4s lt. 3s, ec. 1s	26 <b>8</b>	5	PORT (A) R, beacon, topmark.	
4997 <i>K 4226</i>	-Main entrance, S. side.	41° 15.8' S 173° 15.3' E	<b>Iso.G.</b> period 2s	10 <b>3</b>	7	Green metal pile.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
4998 K 4225	-Range, front.	41° 16.1' S 173° 15.4' E	<b>Dir.W.R.G.</b>	26 8	W. 14 R. 11 G. 11	White triangular daymark point up, on piles.	F.G. 157°-12'-162°-12', Al.W.G.-164° (W. phase increasing with bearing), F.W.-165°-30', Al.W.R.-167°-15' (R. phase increasing with bearing), F.R.-177°-15'. <b>Radar reflector.</b>
4998.1 K 4225.1	--Rear, 600 meters from front.	41° 16.5' S 173° 15.5' E	<b>F.Bu.</b> (neon)	88 27	10	White triangular daymark point down.	Visible 130°-200°, partially obscured 174°-188°.
4999 K 4227.4	--N. side, No. 1.	41° 15.7' S 173° 15.5' E	<b>Q.R.</b>	10 3	5	Pile beacon.	N. side of channel marked by Iso.R. 2s lights on piles.
5000 K 4230	-Brunt Quay, NW. corner.	41° 15.6' S 173° 16.3' E	<b>Iso.G.</b> period 2s			Green metal pole.	3 Iso.G. 2s mark dolphins 500 meters SW.
5001 K 4230.15	-Main Wharf, SW. corner.	41° 15.7' S 173° 16.1' E	<b>Iso.G.</b> period 2s	16 5	3		
5002 K 4230.2	--SW. entrance.	41° 15.8' S 173° 16.0' E	<b>Iso.G.</b> period 2s				
5004 K 4227	-Range, front.	41° 16.0' S 173° 15.7' E	<b>F.G.</b>	20 6		White neon triangular daymark point up.	
5008 K 4227.1	--Rear, 306 meters from front.	41° 16.1' S 173° 15.9' E	<b>F.G.</b> (neon)	30 9		White triangular daymark point down.	Visible 122°-148°.
5012 K 4228	-Haulashore Island Range, N. end, front.	41° 15.9' S 173° 15.5' E	<b>F.W.</b>	10 3		Beacon, white diamond daymark.	
5016 K 4228.1	--Rear, about 103 meters from front.	41° 15.9' S 173° 15.4' E	<b>F.W.</b>	13 4	3	White triangular daymark point up, on pile.	
5020 K 4222	<b>Schnapper Point.</b>	41° 12.2' S 173° 19.4' E	<b>L.Fl.(4)W.R.</b> period 20s fl. 2s, ec. 1s fl. 2s, ec. 1s fl. 2s, ec. 1s fl. 2s, ec. 9s	43 13	W. 15 R. 8	Metal column; 36.	R. 031°-047°, W.-225°. <b>Radar reflector.</b>
5022 K 4233	Croisilles Harbor.	41° 04.6' S 173° 39.9' E	<b>Fl.W.R.</b> period 5s	47 14	W. 5 R. 4	White post, on rock; 3.	W. 124°-139°, R.-124°.
5024 K 4234	Okuri Point.	40° 58.6' S 173° 45.7' E	<b>Fl.W.R.</b> period 4s fl. 0.8s, ec. 3.2s	112 34	W. 8 R. 5	White metal tower; 10.	R. 160°-210°, W.-160°, except where obscured by land.
5028 K 4238	French Pass, Channel Point.	40° 55.4' S 173° 50.1' E	<b>F.W.R.</b>	10 3	W. 10 R. 7	White house.	R. 034°-053° (obscured in Waikawa Bay by Two Island Point), W.-148°, R.-238°.
5032 K 4240	-Reef.	40° 55.4' S 173° 50.0' E	<b>Fl.W.</b> period 1.5s fl. 0.5s, ec. 1s	16 5	4	White beacon; 16.	
FRENCH PASS:							
5036 K 4237.4	-Kapowai Bay.	40° 54.2' S 173° 50.4' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	13 4	1	White square tower.	
5038 K 4237	-Anatakupu Island.	40° 53.8' S 173° 52.2' E	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	102 31	4	Fiberglass column; 7.	
5040 K 4241	Elmslie Bay Wharf.	40° 55.6' S 173° 50.6' E	<b>Fl.G.</b> period 3s	10 3	1	Cargo shed.	
5044 K 4236	<b>Stephens Island.</b>	40° 39.9' S 174° 00.0' E	<b>Fl.W.</b> period 6s fl. 0.1s, ec. 5.9s	600 183	18	White metal tower; 49.	Visible 054°-350°. Reserve light range 10M.
5048 K 4242	Ninepin Rock.	40° 54.9' S 174° 03.3' E	<b>Fl.W.</b> period 4s fl. 0.8s, ec. 3.2s	55 17	8	White metal tower; 10.	



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<b>NEW ZEALAND-SOUTH ISLAND</b>							
5049 K 4242.05	Oke Rock.	40° 55.5' S 174° 01.6' E	<b>Fl.G.</b> period 10s fl. 1s, ec. 9s	20 6	3	STARBOARD (A) G, beacon, topmark; 23.	<b>Radar reflector.</b>
5052 K 4242.1	Maud Island.	41° 01.0' S 173° 54.4' E	<b>Fl.W.</b> period 15s	79 24	10	White post; 7.	Visible 088°-031°.
5056 K 4242.15	Dart Rock.	41° 02.7' S 173° 49.0' E	<b>Fl.(2)W.</b> period 20s fl. 0.5s, ec. 1s fl. 0.5s, ec. 18s	10 3	5	ISOLATED DANGER BRB, post, topmark.	
5060 K 4242.2	Tawero Point, N.	41° 04.0' S 173° 58.0' E	<b>Fl.W.</b> period 5s	30 9	5	White post; 7.	Visible 099°-320°.
5064 K 4242.3	-S.	41° 03.9' S 173° 56.8' E	<b>Fl.W.</b> period 10s	36 11	5	White post; 7.	Visible 217°-052°.
5066 K 4242.17	-Flax Point.	41° 05.5' S 173° 47.0' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	30 9	2	White post; 7.	
5068 K 4242.4	Turn Point, N.	41° 08.3' S 173° 52.2' E	<b>Fl.(2)W.</b> period 15s	20 6	5	White post; 7.	Visible 040°-233°.
5072 K 4242.5	-S.	41° 08.6' S 173° 52.1' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	23 7	5	White post; 7.	Visible 357°-190°.
5076 K 4242.6	Marainatia Point, N.	41° 11.4' S 173° 51.9' E	<b>Fl.W.</b> period 10s	23 7	5	White post; 7.	Visible 178°-008°.
5080 K 4242.7	-S.	41° 11.7' S 173° 51.8' E	<b>Fl.G.</b> period 10s	20 6	3	White post; 7.	Visible 187°-022°.
5082 K 4242.9	-Black Point.	41° 14.4' S 173° 51.0' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	7 2	5	White post; 7.	
5084 K 4243	Havelock approach, beacon No. 1.	41° 15.2' S 173° 50.3' E	<b>Fl.G.</b> period 2s fl. 0.5s, ec. 1.5s	7 2	3		
COOK STRAIT:							
5088 K 4244	-Cape Jackson.	40° 59.7' S 174° 18.8' E	<b>Fl.(3)W.</b> period 20s	284 87	9	White metal tower; 13.	Visible 050°-003°. May be obscured by cliffs within 50 meters of light.
5089 K 4244.5	--Jackson, head.	40° 59.4' S 174° 19.2' E	<b>Fl.W.</b> period 4s fl. 0.4s, ec. 3.6s	49 15	3	White round tower, concrete base; 49.	
5092 K 4248	-Queen Charlotte Sound.	41° 06.0' S 174° 16.6' E	<b>Fl.(2)W.</b> period 10s fl. 0.4s, ec. 1.6s fl. 0.4s, ec. 7.6s	92 28	8	White metal framework tower; 16.	
5094 K 4249	-Edgecombe Point.	41° 09.3' S 174° 12.0' E	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	10 3	5	White post; 10.	
5095 K 4249.5	-Farnham Point.	41° 10.4' S 174° 12.0' E	<b>L.Fl.W.R.G.</b> period 10s fl. 2s, ec. 8s	20 6	10	White metal tower.	G. 219°-221°, W.-224°, R.- 226°.
5096 K 4250	--Kurakura Point.	41° 11.0' S 174° 12.1' E	<b>Fl.(3)W.</b> period 15s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 1.2s fl. 0.8s, ec. 10.2s	93 28	10	White metal column, red top; 10.	
5100 K 4252	-Dieffenbach Point, Queen Charlotte Sound.	41° 13.9' S 174° 08.8' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	39 12	6	White tower; 10.	
5104 K 4253	-Luke Rock.	41° 13.2' S 174° 08.3' E	<b>Fl.G.</b> period 5s fl. 0.3s, ec. 4.7s	10 3	5	STARBOARD (A) G, column, topmark.	

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<b>NEW ZEALAND-SOUTH ISLAND</b>							
5106 K 4253.5	-Allports Island.	41° 14.3' S 174° 03.4' E	<b>Q.(5)W.</b> period 10s	10 3	5	White post; 7.	
5108 K 4254	-The Snout.	41° 15.0' S 174° 02.9' E	<b>Fl.(3)W.</b> period 10s	46 14	7	White post; 7.	
5110 K 4254.5	-Waikawa Bay Marina.	41° 15.9' S 174° 02.4' E	<b>Oc.W.R.G.</b> period 3s fl. 2.5s, ec. 0.5s	16 5	8	White metal post; 13.	G. 212°-217°, W.-227°, R.-232°.
5112 K 4255	-Picton Point.	41° 15.2' S 174° 02.2' E	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	2	White post; 10.	
5116 K 4256	-Mabel Island, S. end.	41° 16.2' S 174° 00.9' E	<b>Fl.W.</b> period 2s fl. 0.3s, ec. 1.7s	14 4	4	White concrete post.	Visible 183°30'-108°30'.
5118 K 4256.2	-Picton Harbor Approach.	41° 16.6' S 174° 00.5' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	7 2	1		
5119 K 4256.7	-Shelly Beach.	41° 16.9' S 174° 00.7' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	5	White metal post.	
5120 K 4257	-Picton Harbor, main wharf, head.	41° 16.9' S 174° 00.4' E	<b>Fr.</b>  <b>Q.Bu.</b>	24 7 46 14	6 5	Metal framework floodlighting tower.  Occasional. Shown during large ship movements. For working details contact Picton Harbour Radio.	F.G. (neon) at the head and root of ferry wharf.
5121 K 4257.5	--W. breakwater.	41° 17.3' S 174° 00.5' E	<b>FG.</b>				
5122 K 4260	-Wedge Point.	41° 15.5' S 174° 00.7' E	<b>Mo.(A)W.</b> period 8s fl. 0.2s, ec. 1.4s fl. 3s, ec. 3.4s	26 8	5	White post; 7.	
5122.2 K 4260.4	-Shakespeare Bay, W.	41° 16.0' S 174° 00.3' E	<b>Q.(5)G.</b> period 10s	7 2	3	White post; 7.	
5122.3 K 4260.3	--SW.	41° 16.4' S 173° 59.8' E	<b>L.Fl.G.</b> period 5s	7 2	3	White post; 3.	
5122.5 K 4260.2	--E.	41° 16.3' S 174° 00.2' E	<b>Q.(4)R.</b> period 6s	7 2	3	White post; 7.	
5123 K 4261	-Onahau Bay.	41° 15.2' S 173° 58.4' E	<b>Fl.G.</b> period 3s	7 2	2	STARBOARD (A) G, beacon, topmark.	<b>Radar reflector.</b>
5124 K 4268.4	-Fighting Bay, Prohibited Anchorage Area, S. limit.	41° 20.1' S 174° 10.5' E	<b>L.Fl.(2)W.R.</b> period 20s fl. 2s, ec. 0.5s fl. 2s, ec. 15.5s	384 117	W. 7 R. 5	Beacon, white triangular daymark point up, orange stripe.	R. 271°-301°, W.-051°. Daymark 301° 200m marks S limit of cable area.
5128 K 4268.3	---N. limit.	41° 18.4' S 174° 14.1' E	<b>Fl.(4)W.R.</b> period 20s fl. 1s, ec. 0.5s fl. 1s, ec. 0.5s fl. 1s, ec. 0.5s fl. 1s, ec. 14.5s	620 189	W. 7 R. 4	Beacon, white triangular daymark point up, orange stripe.	W. 221°-263°, R.-310°. Daymark 263° 100m N limit of cable area.
-Tory Channel:							
5132 K 4268	--Ruamoko Point, E.	41° 14.6' S 174° 10.0' E	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6.5s	72 22	5	White post; 7.	
5136 K 4268.2	--W.	41° 14.5' S 174° 09.7' E	<b>Q.W.</b>	31 9	5	White post; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
5140 K 4268.21	--Otamango Point.	41° 15.0' S 174° 09.5' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	20 6	4	White post; 7.	
5144 K 4267.4	--Arrowsmith Point.	41° 14.6' S 174° 12.0' E	<b>Fl.(4)W.</b> period 15s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 10s	13 4	5	White post.	Visible 082°-270°30'.
5148 K 4267.1	--Clay Point, E. side.	41° 14.2' S 174° 15.2' E	<b>Fl.G.</b> period 3s	59 18	4	White wood post; 7.	An old light tower (3m) is situated close W.
5152 K 4267	---W. side.	41° 14.2' S 174° 15.0' E	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	26 8	6	White metal pole; 10.	
5156 K 4266.1	--Motukina Point.	41° 14.0' S 174° 16.0' E	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	46 14	4	White post; 7.	
5160 K 4266	--Scraggy Point.	41° 12.9' S 174° 18.3' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s	59 18	5	White post; 7.	
5162 K 4264.5	--Wheki Rock.	41° 12.4' S 174° 18.3' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	7 2	2	Green pillar, triangular daymark point up.	
5164 K 4262	--head, W. side of entrance channel.	41° 12.8' S 174° 18.9' E	<b>Mo.(N)W.R.</b> period 10s fl. 1s, ec. 1s fl. 0.5s, ec. 7.5s	151 46	8	White tower; 13.	R. 010°-052°, obsc.-095°, W-246°, R.-270°, W.-010°. R. obstruction light 2.7 miles NE.
5166 K 4265	--E. head.	41° 12.6' S 174° 19.4' E	<b>Dir.W.R.G.</b>	115 35	3	Wooden post; 3.	F.G. 082°42'-086°42', Al.W.G.-090°42', F.W.-094°48', Al.W.R.-098°48', F.R.-102°48'.
5168 K 4264	--Okukari Bay Range, front.	41° 12.2' S 174° 18.3' E	<b>Q.W.</b>	24 7	11	White triangular daymark point up, orange stripe; 20.	
5172 K 4264.1	--Rear, 130 meters 311°45' from front.	41° 12.1' S 174° 18.2' E	<b>Iso.W.</b> period 2s	89 27	11	White triangular daymark point up, orange stripe; 20.	
5176 K 4246	<b>-The Brothers.</b>	41° 06.2' S 174° 26.5' E	<b>Fl.W.</b> period 10s	259 79	19	White wooden tower; 40.	Reserve light range 10M.
			<b>Fl.R.</b> period 10s	230 70	10		Visible 164°30'-169°30' over Cook Rock, obscured within 0.8M of light, visible 008°-014° over Awash Rocks. Reserve light range 9M.
5180 K 4269	-Robertson Point.	41° 21.1' S 174° 07.1' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	5	White concrete column; 7.	
5184 K 4272	--Blenheim AVIATION LIGHT.	41° 30.7' S 173° 52.2' E	<b>Al.Fl.W.G.</b> period 3.7s				
5188 K 4274	<b>-Cape Campbell.</b>	41° 43.7' S 174° 16.6' E	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	154 47	19	White metal tower, black bands; 72.	Obscured by land when bearings more than 010°.
5192 K 4275	Point Kean, Kaikoura Peninsula.	42° 25.4' S 173° 42.9' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	135 41	9	Yellow metal tower; 13.	
5198 K 4277	Kaikoura, S. breakwater, head.	42° 25.5' S 173° 40.9' E	<b>Iso.G.</b> period 2s	16 5	6	Metal post, black and white bands; 10.	
5212 K 4279	Gibson Point.	42° 53.0' S 173° 19.1' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	249 76	10	Red metal tower, white bands; 10.	Visible 202°-027°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
5216 K 4282	Motunau River Range, front.	43° 03.1' S 173° 04.6' E	<b>F.R.</b>	20 6	3	Mast.	Vessels should not attempt to enter without recent local knowledge.
5220 K 4282.1	--Rear, 13 meters 036°13' from front.	43° 03.1' S 173° 04.6' E	<b>F.R.</b>	39 12	3	Mast.	
PORT LYTTTELTON:							
5240 K 4304	-Camp Bay Range, front.	43° 37.4' S 172° 46.8' E	<b>F.R.</b>	45 14		White beacon.	
5244 K 4304.1	--Rear, 46 meters 195°30' from front.	43° 37.4' S 172° 46.8' E	<b>F.R.</b>	60 18		White beacon.	
5248 K 4291	-N. of Parson Rock.	43° 36.8' S 172° 45.1' E	<b>Fl.(2)R.</b> period 10s	22 7	4	PORT (A) R, beacon, topmark.	
5250 K 4288	<b>-Purua Bay.</b>	43° 37.5' S 172° 44.6' E	<b>Dir.Oc.W.R.G.</b> period 12s lt. 8s, ec. 4s	177 54	15	Gray concrete shed, red roof; 10.	G. 236°-240°, W.-242°, R.-246°. Range 5M by day.
5252 K 4293	-Sticking Point Breakwater, head.	43° 36.6' S 172° 44.0' E	<b>Fl.(2)G.</b> period 5s	26 8	5	White pile.	
5256 K 4290	-Shag Reef Range, front.	43° 36.8' S 172° 42.8' E	<b>Fl.W.</b> period 1.5s fl. 0.5s, ec. 1s	33 10	3	White conical tower.	
5260 K 4290.1	--Rear, 963 meters 260°39' from front.	43° 36.9' S 172° 42.1' E	<b>L.Fl.W.</b> period 5s fl. 2s, ec. 3s	59 18	5	White concrete tower, red and yellow checkered on E. facing.	White beacons in line indicate limits of dredged channel. <b>Radar reflector.</b>
5264 K 4296	-Naval Point Reclamation Area Range, front.	43° 36.6' S 172° 42.8' E	<b>F.R.</b>	26 8		White beacon, neon triangular daymark point up.	
5268 K 4296.1	--Rear, 570 meters 301°54' from front.	43° 36.4' S 172° 42.4' E	<b>F.R.</b>	37 11		Beacon, neon triangular daymark point down.	
5269 K 4301	--S. Range, front.	43° 36.7' S 172° 42.7' E	<b>F.R.</b>	26 8	1	Wooden pile, white neon triangular daymark point up; 33.	Marks southern limit of channel.
5269.1 K 4301.1	--Rear, 475 meters 301°54' from front.	43° 36.5' S 172° 42.4' E	<b>F.R.</b>	36 11	1	Wooden pile, white neon triangular daymark point down.	
5272 K 4300	-Harbor entrance, E. breakwater.	43° 36.6' S 172° 43.1' E	<b>Oc.G.</b> period 6s lt. 5s, ec. 1s	26 8	2	Black metal pipe.	G 303°-278°, obscured by shed -303°.
5276 K 4299	--W. breakwater.	43° 36.5' S 172° 43.0' E	<b>Oc.R.</b> period 6s	25 8	2	Black and white pylon.	
5278 K 4289	<b>-Governors Bay.</b>	43° 37.3' S 172° 38.9' E	<b>Dir.W.R.G.</b>	213 65	19	Gray concrete shed, red roof; 10.	F.G. 258°-260°, F.W.-261°, F.R.-263°. Light oscillates at the margins of the white sector. Range 8M by day.
5280 K 4310	<b>Steep Head.</b>	43° 44.7' S 173° 07.6' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	512 156	19	White metal tower; 13.	Visible 161°-001°. Light is liable to be obscured by fog and mist.
5284 K 4314	<b>Akaroa Head.</b>	43° 53.4' S 172° 58.6' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	223 68	19	White fiberglass tower; 10.	Visible 262°-116°, except when obscured from seaward by Timutimu Head when bearing more than 071°.
5285 K 4315	-Akaroa Harbor Range, front.	43° 49.2' S 172° 54.2' E	<b>F.G.</b>	33 10	7	Wooden power pole; 23.	
5286 K 4315.1	--Rear, 0.88 mile 331°20' from front.	43° 48.2' S 172° 53.4' E	<b>F.G.</b>	272 83	7	Wooden pole; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
FRENCH BAY:							
5288 K 4316	-Green Point, on reef.	43° 49.0' S 172° 56.8' E	<b>F.I.G.</b> period 5s	13 4	2	White wooden post; 16.	
TIMARU:							
5292 K 4324	-AVIATION LIGHT.	44° 18.1' S 171° 13.4' E	<b>Fl.W.</b> period 3.7s fl. 0.2s, ec. 3.5s	102 31	15		Location beacon.
5296 K 4322	-Fairway Beacon.	43° 36.6' S 172° 42.7' E	<b>Mo.(A)W.</b> period 10s	26 8	9	SAFE WATER RW.	
5304 K 4331	-War Memorial.	44° 23.9' S 171° 15.2' E	<b>F.W.</b>	143 44	14	Mast.	Range 10M by day.
5308 K 4329.4	-Outer N. mole.	44° 23.2' S 171° 15.7' E	<b>F.I.G.</b> period 10s	33 10	6	White wooden mast; 26.	
5312 K 4332	-N. molehead, about 853 meters 40° from light on bluff.	44° 23.3' S 171° 15.6' E	<b>F.I.G.</b> period 2s fl. 0.3s, ec. 1.7s	20 6	5	White framework tower inclined 45° from vertical.	Lights in railyard visible from seaward when approaching from S.
5316 K 4330	-E. mole head Range, front.	44° 23.4' S 171° 15.6' E	<b>F.R. (neon)</b>	23 7	2	Metal box; 13.	R. 003°-244°.
5320 K 4330.1	--Rear, 640 meters 228° from front.	44° 23.6' S 171° 15.3' E	<b>F.R.</b>	66 20	2	Metal box on framework tower, neon daymark. Floodlit.	
5323 K 4328	-Benvenue Cliff Range, front.	44° 23.1' S 171° 15.5' E	<b>F.G.</b>	52 16	5	White concrete post, orange neon triangular daymark point up.	
5324 K 4328.1	--Middle, 982 meters 267°10' from front.	44° 23.1' S 171° 14.8' E	<b>Dir.W.R.G.</b>	82 25	W. 21 R. 17 G. 17	Beacon, orange triangular daymark point up; 13.	F.G. 264°30'-266°, Al.W.G.- 266°42' (W. phase increasing with bearing), F.W.-267°30', Al.W.R.- 268°12' (R. phase increasing with bearing), F.R.-269°42'. Daytime range 5nM.
			<b>F.G.</b>	82 25	10	Neon daymark.	Range 5M by day.
5328 K 4328.2	--Rear, 210 meters 267°10' from middle.	44° 23.1' S 171° 14.6' E	<b>F.G.</b>	98 30	7	Beacon, orange neon triangular daymark point up; 13.	
5332 K 4329	-Eastern Extension Mole Spur Breakwater, head.	44° 23.2' S 171° 16.0' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	56 17	11	Tower.	F.R. lights on radio mast 2.5 miles N.
5336 K 4335	--No. 3 Wharf Range, front.	44° 23.5' S 171° 15.4' E	<b>F.G.</b>	20 6	4	Metal box, neon daymark.	
5340 K 4335.2	--Rear, 230 meters 228° from front.	44° 23.5' S 171° 15.2' E	<b>F.G.</b>	66 20	4	Metal box, neon daymark.	
5344 K 4340	Tuhawaiki Point.	44° 26.6' S 171° 15.6' E	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s	95 29	9	White metal tower; 30.	
OAMARU:							
5356 K 4350	-Holmes wharf.	45° 06.4' S 170° 58.7' E	<b>F.G.</b>	13 4	2	Lamp post.	
5358 K 4348	-Breakwater, head.	45° 06.3' S 170° 58.8' E	<b>Fl.R.</b> period 5s	25 8	5	Framework tower.	
5368 K 4360	Katiki Point.	45° 23.7' S 170° 52.1' E	<b>Iso.W.</b> period 12s	184 56	10	White wooden tower; 26.	Visible 181°-018°.

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<b>NEW ZEALAND-SOUTH ISLAND</b>							
5372 K 4358	-Range, front.	45° 21.6' S 170° 51.0' E	<b>Q.W.</b>		36 11	6 Mast; 13.	
5376 K 4358.1	--Rear, 550 meters 216°31' from front.	45° 21.9' S 170° 50.7' E	<b>Iso.W.</b> period 4s		167 51	6 Mast; 13.	
5380 K 4359	-Wharf, head.	45° 21.6' S 170° 52.0' E	<b>Iso.R.</b> period 3.5s		16 5	2 White post, red top.	
OTAGO HARBOR:							
5384 K 4362	-Heyward Point.	45° 45.4' S 170° 41.5' E	<b>Fl.W.R.</b> period 5s fl. 0.7s, ec. 4.3s		82 25	W. 9 R. 7 White tower; 13.	W. shore-259°, R.-306°30'. Bearing 043° is approximate shoreline limit.
5388 K 4363	-Fairway.	45° 45.1' S 170° 43.6' E	<b>Fl.(2)R.</b> period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		29 9	5 PORT (A) R, articulated beacon, topmark.	
5392 K 4366	<b>Approach.</b>	45° 47.9' S 170° 43.1' E	<b>Dir.W.R.G.</b>		62 19	W. 21 R. 17 G. 17 White tower, red triangular daymark point up; 16.	F.G. 183°39'-185°06', Al.W.G.-185°24' (W. phase increasing with bearing), F.W.-186°48', Al.W.R.-187°12' (R. phase increasing with bearing), F.R.-188°36'. An overspill of white light is visible at night to the eastward and westward of the F.R. and F.G. sectors. Vessels should ensure they have crossed the R. or G. sectors before turning on to the leading line. Range 5M when sighted outside main directional light sectors.
5396 K 4364	<b>-Taiaroa Head.</b>	45° 46.4' S 170° 43.7' E	<b>L.Fl.(2)W.</b> period 18s fl. 2s, ec. 4s fl. 2s, ec. 10s		197 60	18 White stone tower; 39.	Visible 158°-300°.
5400 K 4365	-N. mole.	45° 46.2' S 170° 43.2' E	<b>Fl.(3)W.</b> period 5s		30 9	5 E. CARDINAL BYB, beacon, topmark; 20.	Channel marked by lit beacons. <b>Radar reflector.</b>
5400.3 K 4367.1	-Harrington Point.	45° 47.0' S 170° 43.4' E	<b>F.Y.</b>		10 3	4 Red metal beacon; 10.	Visible 177°-182°.
			<b>Oc.R.</b> period 10s lt. 9s, ec. 1s			2	
5400.4 K 4367.12	-Spit Tide Gauge.	45° 47.2' S 170° 43.1' E	<b>Oc.G.</b> period 4s		10 3	3 STARBOARD (A) G, pile, topmark.	
5400.6 K 4369.83	-No. 25, Rocky Point.	45° 48.3' S 170° 37.8' E	<b>F.G.+Dir.R.Y.</b>		10 3	6 STARBOARD (A) G, beacon, topmark; 10.	R. 345°-350°, Y.-355°. Range 2M by day. <b>Radar reflector.</b>
5400.8 K 4369.86	-Multipurpose Berth.	45° 48.6' S 170° 37.7' E	<b>F.G.</b>			Neon daymark.	
5401 K 4370.25	-Port Chalmers, Container Wharf.	45° 48.7' S 170° 37.6' E	<b>8 F.W. (horiz.)</b>				Starboard from Beacon No.27, Q.G. marks corner of wharf 450 meters NE. Q.R. marks corner of wharf 470 meters N. Boat harbor marked by F.G. lights.
5401.8 K 4372.4	-Range, front, 2A.	45° 49.8' S 170° 37.5' E	<b>Fl.(2)R.</b> period 4s		10 3	1 PORT (A) R, beacon, topmark.	
5401.81 K 4372.5	--Rear, 100 meters 208°20' from front.	45° 49.9' S 170° 37.5' E	<b>Q.R.</b>		10 3	1 White beacon.	

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<b>NEW ZEALAND-SOUTH ISLAND</b>							
5402 K 4372	-Range, front, 32.	45° 49.2' S 170° 37.9' E	<b>Q.(2)R.</b> period 4s	10 3	1	Red beacon, white band, red square daymark.	<b>Radar reflector.</b>
5402.01 K 4372.1	--Rear, 170 meters 028°20' from front.	45° 49.2' S 170° 38.0' E	<b>Q.R.</b>	10 3	1	Red beacon.	
5402.1 K 4371.5	-Wharf, SW.	45° 49.2' S 170° 37.6' E	<b>V.Q.(6)+L.FI.W.</b> period 15s	10 3	1	S. CARDINAL YB, beacon, topmark; 10.	<b>Radar reflector.</b>
5402.2 K 4373	-No. 1, Goat Island.	45° 49.6' S 170° 37.6' E	<b>Q.G.</b>	10 3	1	Pile beacon.	
5402.4 K 4373.2	-No. 2, Quarantine Island.	45° 49.6' S 170° 37.7' E	<b>Q.R.</b>	10 3	2	Pile beacon.	
5402.6 K 4374.73	-Ravensbourne Wharf.	45° 52.2' S 170° 32.6' E	<b>2 F.G.</b> (vert.)	10 3	1		F.G. (neon) on E. and W. ends of T-head pier.
5402.8 K 4374.9	-LPG Wharf.	45° 52.5' S 170° 31.5' E	<b>F.G.</b>	7 2	1	Dolphin, neon daymark.	
5403 K 4374.91	-Leith Wharf.	45° 52.4' S 170° 31.4' E	<b>F.G.</b>	10 3	1	Side of pumphouse, neon daymark.	
5403.2 K 4374.96	--Oil Jetty, head.	45° 52.5' S 170° 31.3' E	<b>2 F.G.</b> (vert.)	29 9	3	16.	One meter apart.
5403.4 K 4375.2	--Rattray Wharf.	45° 52.7' S 170° 30.8' E	<b>2 F.G.</b> (vert.)	55 17	1	Shed.	
5403.6 K 4375.5	--Birch Street Wharf.	45° 52.8' S 170° 30.7' E	<b>F.G.</b>				
5404 K 4376	Cape Saunders.	45° 52.9' S 170° 43.7' E	<b>L.FI.W.</b> period 10s fl. 2s, ec. 8s	190 58	10	White metal tower; 13.	Visible 254°-064°.
5408 K 4380	Nugget Point.	46° 26.9' S 169° 49.1' E	<b>L.FI.(2)W.</b> period 12s fl. 2s, ec. 2s fl. 2s, ec. 6s	246 75	10	White stone tower; 30.	Reserve light range 10M.
5412 K 4381	Tautuku Peninsula.	46° 36.7' S 169° 26.3' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	108 33	8	White metal tower; 13.	
5416 K 4382	Slope Point.	46° 40.5' S 169° 00.1' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	108 33	8	White round metal tower; 10.	Visible 268°-098°.
5420 K 4384	Waipapa Point.	46° 39.6' S 168° 50.8' E	<b>Fl.(5)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 11s	69 21	9	White wooden tower; 43.	
5424 K 4387	Bushy Point.	46° 36.4' S 168° 31.1' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	23 7	8	White metal tower; 13.	
5428 K 4394	<b>Dog Island.</b>	46° 39.1' S 168° 24.6' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	151 46	19	White round stone tower, black bands; 121.	Reserve light range 10M.
<b>BLUFF HARBOR:</b>							
5432 K 4397	-Entrance.	46° 37.5' S 168° 20.5' E	<b>Fl.W.R.</b> period 3s fl. 1s, ec. 2s	62 19	W. 11 R. 8	Wooden tower, white triangular daymark point up; 20.	R. 247°30'-342°, W.-077°30'.
5436 K 4398	-Stirling Point.	46° 36.7' S 168° 21.6' E	<b>F.R.</b>	36 11	6	On roof of building; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
5444 K 4400	-No. 1 Reach, front.	46° 36.2' S 168° 22.4' E	<b>F.G.</b>	20	10	White metal framework pyramid tower, neon daymark; 13.	Range 2M by day.
5448 K 4400.1	--Rear, 0.59 mile 031° from front.	46° 35.7' S 168° 22.8' E	<b>F.G.</b>	39	12	White metal framework pyramidal tower, neon daymark; 39.	Range 3M by day.
5452 K 4402	-No. 2 Reach Range, front.	46° 36.0' S 168° 21.7' E	<b>FR.</b>	20	6	Structure, white neon triangular daymark point up.	
5456 K 4402.1	--Rear, 200 meters 351° from front.	46° 35.9' S 168° 21.6' E	<b>FR.</b>	26	8	Structure, white neon triangular daymark point up.	
5460 K 4405	-No. 3 Reach Range, front.	46° 35.5' S 168° 20.6' E	<b>Iso.G.</b> period 2s fl. 0.5s, ec. 1.5s	23	7	White tower on pile beacon.	
5464 K 4405.1	--Rear, 335 meters 313°25' from front.	46° 35.4' S 168° 20.4' E	<b>Fl.W.</b> period 1.5s fl. 0.5s, ec. 1s	39	12	White tower on metal structure.	Visible 043°30' - 223°30'.
5468 K 4404	--Inner Davey Range, front.	46° 36.3' S 168° 21.9' E	<b>Q.W.</b>	10	3	White struture on black dolphin.	
5472 K 4404.1	--Outer Davey, rear, 235 meters 133°25' from front.	46° 36.4' S 168° 22.0' E	<b>Iso.W.</b> period 2s	20	6	White structure on black dolphin.	
5476 K 4406	-No. 1.	46° 36.2' S 168° 21.7' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	10	3	STARBOARD (A) G, beacon.	
5480 K 4407	-Channel Rocks.	46° 36.2' S 168° 21.5' E	<b>Fl.R.</b> period 2s fl. 0.7s, ec. 1.3s	23	7	PORT (A) R, beacon.	
5484 K 4408	-No. 2.	46° 36.0' S 168° 21.5' E	<b>Q.(2)G.</b> period 3s	17	5	STARBOARD (A) G, beacon.	
5488 K 4413	-No. 3.	46° 35.9' S 168° 21.2' E	<b>Fl.(3)G.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 1s fl. 0.5s, ec. 2.5s	20	6	STARBOARD (A) G, beacon.	
5490 K 4410	-Argyle.	46° 36.0' S 168° 21.3' E	<b>Q.(2)R.</b> period 5s	16	5	PORT (A) R, beacon, topmark.	
5492 K 4415	-No 4.	46° 35.7' S 168° 21.2' E	<b>Q.G.</b>	9	3	STARBOARD (A) G, beacon.	
5496 K 4411	-Tide gauge.	46° 36.0' S 168° 21.2' E	<b>Q.R.</b>	19	6	PORT (A) R, beacon.	
5504 K 4424	-Range, front.	46° 35.5' S 168° 20.0' E	<b>F.G.</b>			White neon triangular daymark point down.	Occasional.
5508 K 4424.1	--Rear, 21 meters 279°01' from front.	46° 35.5' S 168° 19.9' E	<b>F.G.</b>			White neon triangular daymark point down.	Occasional.
5512 K 4388	Ackers Point, Stewart Island.	46° 53.7' S 168° 09.8' E	<b>Fl.(3)W.R.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	66	W. 7 R. 4	White metal tower; 16.	W. 118°-250°, R.-255°, W.-000°, partially obscured 118°-160° and 320°-000°.
5513 K 4389	Half Moon Bay.	46° 53.8' S 168° 08.1' E	<b>Fl.R.</b> period 5s	7	2	Red square on red metal pipe.	
5516 K 4432	Howells Point.	46° 23.0' S 168° 01.8' E	<b>Fl.W.R.</b> period 5s fl. 1s, ec. 4s	92	W. 9 R. 6	White column; 13.	W. shore-298°, R.-317°, W.-009°30', R.-shore.
5520 K 4433	Jacobs River Estuary, Range Lights, No. 1 Reach, front.	46° 21.3' S 168° 01.5' E	<b>F.G.</b>	16	5	Beacon, white neon triangular daymark point up; 10.	
5524 K 4433.1	-Rear, 46 meters 307°12' from front.	46° 21.4' S 168° 01.5' E	<b>FR.</b>	16	5	Beacon, white neon triangular daymark point down; 10.	
5528 K 4434	-No. 2 Reach Range, front.	46° 21.6' S 168° 01.3' E	<b>FR.</b>	11	3	Beacon, white neon triangular daymark point up; 10.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
5532 K 4434.1	--Rear, 19 meters from front.	46° 21.7' S 168° 01.3' E	<b>F.G.</b>	10 3	2	Beacon, red neon triangular daymark point down; 10.	
5536 K 4438	<b>Centre Island.</b>	46° 27.6' S 167° 50.7' E	<b>Fl.W.R.</b> period 15s fl. 1s, ec. 14s	266 81	W. 19 R. 15	White wooden tower; 39.	R. 191°-299°, W.-114°, R.-141°, obscured elsewhere. Reserve light range W. 10M, R. 7M.
5540 K 4440	Long Point.	46° 15.4' S 167° 06.4' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 8s	75 23	9	Aluminum tower; 13.	
5545 K 4442	<b>Puysegur Point.</b>	46° 09.4' S 166° 36.6' E	<b>Fl.W.</b> period 12s fl. 0.1s, ec. 11.9s	148 45	19	White metal tower; 16.	Reserve light range 10M.
5548 K 4444	Cape Providence.	45° 59.9' S 166° 27.0' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	197 60	9	White fiberglass tower; 13.	
5552 K 4446	Five Fingers Point.	45° 43.9' S 166° 27.6' E	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	545 166	9	Metal framework tower; 30.	
5556 K 4452	Southwest Point.	45° 13.5' S 166° 52.4' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	171 52	9	Metal pedestal; 7.	Visible 007°-207°.
5560 K 4464	St. Anne Point.	44° 34.5' S 167° 46.9' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	89 27	8	White tower; 20.	Visible 071°-316°.
5560.5 K 4464.5	Harrison Cove.	44° 37.8' S 167° 54.1' E	<b>Q.R.</b>				
5561 K 4465	Milford Sound Deep Water Basin.	44° 41.1' S 167° 54.6' E	<b>Q.(2)W.</b> period 5s	7 2	5	Gray metal pile; 10.	
5564 K 4466	Jackson's, head.	43° 57.7' S 168° 37.3' E	<b>Q.(2)W.</b> period 15s	509 155	9	White metal tower; 13.	Visible 091°-238°.
5568 K 4468	Heretaniwha Point.	43° 35.6' S 169° 33.0' E	<b>Q.(3)W.</b> period 10s	253 77	9	White fiberglass tower.	
<b>GREYMOUTH HARBOR:</b>							
5572 K 4470	-S. breakwater, 145 meters from head.	42° 26.4' S 171° 11.4' E	<b>L.Fl.W.</b> period 10s fl. 3.5s, ec. 6.5s	56 17	9	White wooden pole.	Visible 016°-196°.
5576 K 4473	-N. breakwater, head.	42° 26.3' S 171° 11.5' E	<b>FR.</b>	35 11	3	White concrete column.	
5580 K 4472	-S. breakwater, 32 meters from front.	42° 26.7' S 171° 12.0' E	<b>F.G.</b>	36 11	3	White concrete column.	
5584 K 4478	-Main wharf.	42° 26.7' S 171° 12.0' E	<b>Fl.(2+1)G.</b> period 6s fl. 0.3s, ec. 0.4s fl. 0.3s, ec. 1.2s fl. 0.3s, ec. 3.5s	16 5	1	Green wooden pile, red band; 7.	
5588 K 4475	-Richmond Quay Range, front.	42° 26.8' S 171° 12.1' E	<b>FR.G.R.</b>	46 14		Tower, orange neon triangular daymark point up, black diamond on each side.	F.R. neon light on each side, in line with rear light, indicates limits of channel. Channel liable to change.
5592 K 4475.1	--Rear, about 160 meters 128°15' from front.	42° 26.8' S 171° 12.2' E	<b>F.G.</b>	62 19		Beacon, white neon triangular daymark point up.	
5596 K 4476	-Tidal wall.	42° 26.5' S 171° 11.7' E	<b>Q.R.</b>	16 5	3	Metal pile; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NEW ZEALAND-SOUTH ISLAND</b>							
5600 K 4486	Cape Foulwind.	41° 45.0' S 171° 27.9' E	<b>Fl.W.</b> period 12s fl. 1.2s, ec. 10.8s	230 70	9	White concrete tower; 30.	F.R. lights on radio mast 110 meters SSE.
WESTPORT HARBOR:							
5604 K 4491	-W. breakwater, head.	41° 43.7' S 171° 35.2' E	<b>Fl.G.</b> period 2s fl. 0.5s, ec. 1.5s	30 9	5	White concrete tower, green band; 16.	F.R. lights on radio mast 0.9 mile SSW.
5608 K 4490	-W. breakwater.	41° 43.8' S 171° 35.2' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	66 20	6	White concrete tower, red band.	Coast Radar Station 1800 meters SE.
5612 K 4494	-Outer Range, front.	41° 44.2' S 171° 35.5' E	<b>F.G.</b>	33 10		Metal column, yellow reflective panels, red neon cross daymark; 20.	Channel liable to change. F.R. and F.Bu. black post, white bands, neon daymark, 11m, close S.
5616 K 4494.1	--Rear, 360 meters 165°35' from front.	41° 44.4' S 171° 35.5' E	<b>F.G.</b>	49 15		Rectangular framework, red and white stripes, orange reflective panels, red neon diamond daymark; 36.	
5620 K 4492	-E. breakwater, head.	41° 43.6' S 171° 35.4' E	<b>Fl.R.</b> period 2s fl. 0.5s, ec. 1.5s	30 9	5	White concrete tower, red band at top; 16.	
5624 K 4498	-E. full-tide wall.	41° 44.5' S 171° 35.6' E	<b>Iso.R.</b> period 1.5s	10 3	2	Red metal framework tower.	
5628 K 4497	-Western Full-tide Wall, N. end.	41° 44.3' S 171° 35.4' E	<b>Q.(3)G.</b> period 5s	20 6		Tripod on black and white metal tower; 20.	
5632 K 4496	-Inner Range, front.	41° 44.8' S 171° 35.6' E	<b>Q.R.</b>	13 4		Beacon, red and white bands.	2 F.R. (vert.) on N. end of Coal Terminal 0.1 mile E.
5636 K 4496.1	--Rear, 213 meters 169°42' from front.	41° 45.0' S 171° 35.6' E	<b>L.Fl.R.</b> period 5s fl. 2s, ec. 3s	24 7		Beacon, red and white bands; 7.	
5638 K 4499	-Crane Wharf, head.	41° 44.7' S 171° 35.7' E	<b>2 F.R.</b> (vert.)	16 5	1		Visible 105°-160°.
5640 K 4506	Kahurangi Point.	40° 46.6' S 172° 13.0' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	151 46	9	White metal tower; 59.	

# Section 6

## Southeast Coast of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
5660 <i>K 2912</i>	<b>Double Island Point.</b>	25° 56.0' S 153° 11.4' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	315 96	18	White round metal tower, red cupola; 39.	Visible 109°-037°.
5664 <i>K 2908.3</i>	Mooloolaba Harbor Channel Range, front.	26° 41.0' S 153° 08.1' E	<b>F.Bu.</b>			Red and white beacon.	F.Y. by day.
			<b>Fl.R.</b> period 4s				Not visible from seaward. Channel to wharf marked by beacons.
5668 <i>K 2908.31</i>	-Rear, 85 meters 131°24' from front.	26° 41.1' S 153° 08.1' E	<b>F.Bu.</b>				F.Y. by day.
5670	-Goat Island Bridge.	26° 41.3' S 153° 07.4' E	<b>F.Bu.</b>				Both sides of bridge marked with F.Bu. lights.
5672 <i>K 2907.8</i>	<b>Point Cartwright.</b>	26° 40.8' S 153° 08.3' E	<b>Fl.(2)W.R.</b> period 15s	174 53	W. 20 R. 9	White pentagonal concrete tower and lantern; 105.	R. 088°-180°, W.-345°. Reserve light range W. 19M, R. 8M.
			<b>F.R.</b>	161 49	7		Visible 202°-250°.
MORETON BAY:							
5676 <i>K 2856</i>	<b>-Caloundra Head.</b>	26° 48.1' S 153° 09.0' E	<b>L.Fl.W.R.</b> period 10s	101 31	W. 17 R. 14	Building; 56.	W. 180°-307°, R.-001°30'. 3 Aero Q.R. close NW.
5680 <i>K 2857</i>	-NW. Channel Range, front.	26° 49.6' S 153° 07.9' E	<b>Q.Bu.</b>	49 15	8	White tower; 49.	
			<b>Q.W.R.</b>		10		R. 215°-243°, W.-275°. F.Y. by day.
5684 <i>K 2857.1</i>	--Rear, 1.7 km. 328°15' from front.	26° 48.8' S 153° 07.3' E	<b>Iso.Bu.</b> period 2s	89 27	8	White tower; 62.	F.Y. by day.
5684.4 <i>K 2856.5</i>	--NW. Fairway.	26° 48.7' S 153° 10.6' E	<b>Iso.W.</b> period 4s			SAFE WATER RW, buoyant beacon, topmark.	
5684.6 <i>K 2857.4</i>	--NW2.	26° 49.8' S 153° 09.0' E	<b>Fl.Y.</b> period 2.5s	30 9	6	SPECIAL Y, buoyant beacon, "X" topmark.	
5684.8 <i>K 2857.5</i>	--NW1.	26° 51.1' S 153° 09.0' E	<b>Q.G.</b>			STARBOARD (A) G, beacon, topmark.	
5685 <i>K 2857.7</i>	--NW4.	26° 51.5' S 153° 09.3' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
5685.3 <i>K 2857.9</i>	--NW6.	26° 53.6' S 153° 10.7' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
5685.6 <i>K 2858</i>	--NW8.	26° 55.6' S 153° 12.2' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
5686 <i>K 2858.2</i>	--NW3.	26° 57.8' S 153° 13.4' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5686.5 <i>K 2858.4</i>	--NW10.	27° 00.0' S 153° 14.5' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
5687 <i>K 2858.6</i>	--NW12.	27° 02.3' S 153° 15.5' E	<b>Q.(9)W.</b> period 15s	26 8		W. CARDINAL YBY, beacon, topmark.	
5688 <i>K 2858.8</i>	-Spitfire Channel Range, front.	27° 00.7' S 153° 10.3' E	<b>Q.W.</b>	49 15		Beacon, triangular daymark point up; 46.	F.W. by day. Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
5692 <i>K 2858.81</i>	--Rear, 926 meters 290° from front.	27° 00.5' S 153° 09.8' E	<b>Iso.W.</b> period 2s		75 23	Beacon, triangular daymark point down; 62.	F.W. by day. Occasional.
5692.7 <i>K 2858.93</i>	--Woorim.	27° 03.2' S 153° 12.0' E	<b>Fl.Y.</b> period 2.5s			SPECIAL Y, beacon, "X" topmark.	
5693 <i>K 2859.5</i>	--Main Channel, M2.	27° 03.5' S 153° 18.8' E	<b>Fl.R.</b> period 4s				
5693.2 <i>K 2859.7</i>	--M4.	27° 05.2' S 153° 18.9' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
5693.3 <i>K 2859.6</i>	--M3.	27° 05.6' S 153° 18.4' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5693.4 <i>K 2859.8</i>	--M6.	27° 06.6' S 153° 20.2' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
5693.45 <i>K 2859.9</i>	--M5.	27° 07.3' S 153° 20.5' E	<b>Fl.(4)Y.</b> period 10s			SPECIAL Y, beacon, "X" topmark.	
5693.5 <i>K 2860</i>	--M7.	27° 08.3' S 153° 20.8' E	<b>V.Q.(3)W.</b> period 5s		26 8	E. CARDINAL BYB, buoyant beacon, topmark.	
5693.55 <i>K 2860.2</i>	--M9.	27° 09.5' S 153° 20.2' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
5693.6 <i>K 2860.4</i>	--M8.	27° 12.1' S 153° 17.2' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
5694 <i>K 2861</i>	--East Channel, E1.	27° 10.7' S 153° 20.6' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
5694.2 <i>K 2861.9</i>	--E3.	27° 12.8' S 153° 20.1' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
5694.3 <i>K 2862.2</i>	--E2.	27° 13.5' S 153° 20.5' E	<b>Fl.R.</b> period 4s		23 7	PORT (A) R, beacon, topmark.	
5694.4 <i>K 2862.8</i>	--E5.	27° 13.9' S 153° 19.9' E	<b>V.Q.(3)W.</b> period 5s			E. CARDINAL BYB, beacon.	
5694.6 <i>K 2862.6</i>	--E4.	27° 13.8' S 153° 20.4' E	<b>Fl.R.</b> period 4s		23 7	PORT (A) R, beacon, topmark.	
5695.8 <i>K 2863.6</i>	--South Point, SE.	27° 06.6' S 153° 10.8' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5695.85 <i>K 2863.506</i>	--Pumicestone Channel.	27° 04.8' S 153° 09.1' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
5696 <i>K 2863.4</i>	--Entrance.	27° 07.0' S 153° 10.0' E	<b>Q(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
5696.2 <i>K 2863.53</i>	--Old Bribie.	27° 03.2' S 153° 08.0' E	<b>Fl.Y.</b> period 2.5s			SPECIAL Y, beacon, "X" topmark.	
5698 <i>K 2864.52</i>	--Scarborough Channel, No. 1.	27° 11.0' S 153° 05.6' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
5699 <i>K 2864.5</i>	--Scarborough Range, front.	27° 12.5' S 153° 05.6' E	<b>Q.Bu.</b>			Beacon, triangular daymark point up.	Channel is marked by 6 beacons.
5699.1 <i>K 2864.51</i>	--Rear, 300 meters 183° from front.	27° 13.0' S 153° 05.5' E	<b>F.Bu.</b>			Beacon, triangular daymark point down.	F.Y. by day.
5704 <i>K 2864.3</i>	--Boat harbor entrance channel, No. 1.	27° 11.0' S 153° 06.1' E	<b>Fl.Y.</b> period 2.5s			SPECIAL Y, beacon, "X" topmark.	Channel marked by lighted beacons.
5708 <i>K 2864.6</i>	--North Reef.	27° 11.0' S 153° 08.0' E	<b>Fl.G.</b> period 4s fl. 0.3s, ec. 3.7s			Beacon, green triangular daymark point up.	
5712 <i>K 2865</i>	--Redcliffe Jetty, head.	27° 14.0' S 153° 07.0' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
5713 <i>K 2865.5</i>	--Garnet Rock.	27° 14.5' S 153° 07.4' E	<b>Fl.G.</b> period 6s			STARBOARD (A) G, beacon, topmark.	

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<b>AUSTRALIA-EAST COAST</b>							
5714 <i>K 2866.3</i>	-Otter Rock.	27° 16.6' S 153° 06.8' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5715.05 <i>K 2866.85</i>	--Pine River Approaches.	27° 16.8' S 153° 05.0' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
5715.1 <i>K 2866.8</i>	--S. side.	27° 19.4' S 153° 06.4' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon, "X" topmark.	
5715.2 <i>K 2866.9</i>	--Pine River, entrance.	27° 16.6' S 153° 04.6' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	
5715.3 <i>K 2866.91</i>	---Bridge.	27° 16.6' S 153° 04.4' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	
5716 <i>K 2867</i>	-Cabbage Tree Range, front.	27° 19.8' S 153° 05.4' E	<b>Q.Y.</b>			Beacon, triangular daymark point up.	
5720 <i>K 2867.1</i>	--Rear, 300 meters 232°18' from front.	27° 19.9' S 153° 05.2' E	<b>Iso.W.</b> period 2s			Beacon, triangular daymark point down.	
5724 <i>K 2866</i>	-Woody Point.	27° 14.7' S 153° 06.1' E	<b>F.Y.</b>	232 71		Tower.	
-Brisbane River:							
5728 <i>K 2868</i>	--Range, front.	27° 15.8' S 153° 14.5' E	<b>Q.Bu.</b>	33 10	6	Beacon, triangular daymark point up.	Visible 026°-038°.
			<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s		4		Visible 038°-026°.
5732 <i>K 2868.1</i>	---Rear, 1.0 mile 031°57' from front.	27° 15.0' S 153° 15.1' E	<b>Iso.Bu.</b> period 4s	66 20	7	Beacon, triangular daymark point down.	Visible 026°-038°.
			<b>Mo.(A)W.</b> period 6s fl. 0.3s, ec. 0.6s fl. 1s, ec. 4.1s		4		Visible 038°-026°.
--Outer Bay Cutting:							
5734 <i>K 2868.3</i>	---Entrance Range, front.	27° 23.7' S 153° 09.0' E	<b>Q.Bu.</b>			White tower, red top.	F.Y. by day. Shoulder range lights F.G. (F.Y. by day) and F.R. (F.Y. by day) shown 30 meters each side of range. Entrance marked by synchronized lighted beacons.
5735 <i>K 2868.31</i>	---Rear, 1520 meters 211°57' from front.	27° 24.4' S 153° 08.5' E	<b>Iso.Bu.</b> period 4s	82 25		White tower, black stripe.	F.Y. by day.
5736 <i>K 2868.8</i>	---Entrance, W. side, No. 1.	27° 18.6' S 153° 12.5' E	<b>Fl.G.</b> period 4s			Green beacon, triangular daymark point up.	Synchronized with odd number beacons, No.1 through 21.
5740 <i>K 2868.6</i>	----E. side, No. 2.	27° 18.7' S 153° 12.6' E	<b>Fl.Y.</b> period 4s			SPECIAL Y, beacon, "X" topmark.	Synchronized with even number beacons, No. 2 through 22.
5741 <i>K 2869.1</i>	---Coffee Pot, W. side, No. 11.	27° 20.0' S 153° 11.5' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	Visible on range line only. Forms range 303°54' with beacon No. 12.
5742 <i>K 2869</i>	----E. side, No. 12.	27° 20.1' S 153° 11.6' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	Visible on range line only.
			<b>Q.Bu.</b>				Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
--Inner Bar Cutting:							
5743 K 2869.4	---W. side, No. 21.	27° 21.6' S 153° 10.4' E	<b>Fl.Y.</b> period 4s			SPECIAL Y, beacon, "X" topmark.	Old Bar Cutting marked by Fl.R. 2.5s and Fl.G. 2.5s. Tide signal.
5744 K 2869.5	---E. side, No. 22.	27° 21.7' S 153° 10.6' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	Q.Y. and Iso.Y. 2s lights in line 032° indicate when 183 meters from wharf.
5748 K 2869.8	---Luggage Point.	27° 22.7' S 153° 09.6' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5750 K 2870	---North Range, front.	27° 22.8' S 153° 09.4' E	<b>F.Bu.</b>			White triangular daymark point up, red border.	
			<b>Q.Bu.</b>				F.Y. by day.
5752 K 2870.1	----Rear, 125 meters 005°41' from front.	27° 22.8' S 153° 09.4' E	<b>F.Bu.</b>			White triangular daymark point down, red border.	
			<b>Iso.Bu.</b> period 2s				F.Y. by day.
5754 K 2870.3	---South Range, front.	27° 24.5' S 153° 09.2' E	<b>F.Bu.</b>			White triangular daymark point up, red border.	
			<b>Q.Bu.</b>				F.Y. by day.
5756 K 2870.4	----Rear 230 meters 185°41' from front.	27° 24.6' S 153° 09.2' E	<b>F.Bu.</b>			Red chevron daymark point down.	
			<b>Iso.Bu.</b> period 2s				F.Y. by day.
--Lytton Rocks Cutting:							
5758 K 2870.5	---W. side, N. end.	27° 23.8' S 153° 09.2' E	<b>V.Q.(3)W.</b> period 5s			E. CARDINAL BYB, buoyant beacon, topmark.	
5760 K 2871.23	----S. end.	27° 24.2' S 153° 09.0' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, buoyant beacon, topmark.	
5762 K 2871.15	---E. side.	27° 24.0' S 153° 09.3' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
5763 K 2871.2	---Clara Rock.	27° 24.2' S 153° 09.1' E	<b>V.Q.R.</b>			PORT (A) R, buoyant beacon, topmark.	
5765 K 2871.25	---Caltex Products Wharf.	27° 24.6' S 153° 08.9' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
5766 K 2870.6	---North Range, front.	27° 23.6' S 153° 09.3' E	<b>Q.Bu.</b>		16 5	Beacon, white rectangular daymark, black stripe.	Visible 290°-110°.
			<b>Fl.R.</b> period 2.5s				Visible 110°-290°.
5766.1 K 2870.7	----Rear, 2593 meters 019°20' from front.	27° 22.3' S 153° 09.8' E	<b>Iso.Bu.</b> period 2s			Beacon, white rectangular daymark, black stripe.	
5767 K 2871	---South Range, front.	27° 25.0' S 153° 08.8' E	<b>F.Bu.</b>			White triangular daymark point up, red border.	
			<b>Q.Bu.</b>				F.Y. by day.
5767.1 K 2871.1	----Rear, 400 meters 199°20' from front.	27° 25.2' S 153° 08.7' E	<b>F.Bu.</b>			White triangular daymark point down, red border.	
			<b>Iso.Bu.</b> period 2s				F.Y. by day.
5767.3 K 2871.4	---Range, No. 7F, front.	27° 25.6' S 153° 08.1' E	<b>F.Bu.</b>			White triangular daymark point up, red border.	F.Y. by day.
5767.4 K 2871.41	---No. 7R, Rear, 268 meters 217°30' from front.	27° 25.7' S 153° 08.0' E	<b>F.Bu.</b>			White triangular daymark point down, red border.	F.Y. by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
5767.5 K 2873.51	--Range, No. 10FS, front.	27° 26.6' S 153° 06.7' E	<b>F.R.</b>				F.Y. by day.
5767.6 K 2873.52	---No. 10RS, rear, 162 meters from front.	27° 26.6' S 153° 06.8' E	<b>F.R.</b>				F.Y. by day.
5768 K 2881	--D'Arcy Lyton boat channel.	27° 25.7' S 153° 12.0' E	<b>Fl.Y.</b> period 2s	16 5		SPECIAL Y, beacon, "X" topmark.	
5769 K 2872.7	---Parker Island, No. 11, - 216°36'.	27° 26.0' S 153° 06.9' E	<b>Dir.W.R.G.</b>			White triangular daymark point up, red border.	F.G. 206°48'-213°24', Al.W.G.-216°, F.W.- 217°12', Al.W.R.-219°48', F.R.-226°24'.
			<b>Q.Bu.</b>				
5770 K 2874.22	---Quarries Reach.	27° 26.9' S 153° 05.5' E	<b>Fl.R.</b> period 3s				
5772 K 2882	-Fisherman Island.	27° 24.0' S 153° 11.0' E	<b>Fl.G.</b> period 3s	12 4		STARBOARD (A) G, beacon, topmark.	Q.G. 360 meters NW. S. side of Boat Channel marked by Port beacons, Fl.R. 3s.
5773 K 2877.5	-Mud Island, W. side.	27° 20.5' S 153° 13.8' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
5773.2 K 2877.6	--S. side.	27° 21.0' S 153° 14.6' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
5774 K 2885	-Manly Boat Harbor Range, front.	27° 27.2' S 153° 11.4' E	<b>F.Bu.</b>			Beacon, triangular daymark point up.	F.Y. by day.
5774.1 K 2885.1	--Rear, 416 meters 242° from front.	27° 27.3' S 153° 11.1' E	<b>F.Bu.</b>			Beacon, triangular daymark point down.	F.Y. by day.
5775 K 2885.2	--No. 1.	27° 26.7' S 153° 12.2' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by lighted port and starboard beacons.
5782 K 2878.5	-St. Helena Island, NW. side.	27° 22.8' S 153° 13.6' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5782.2 K 2878.3	--N. side.	27° 22.2' S 153° 14.0' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
5782.3 K 2878.4	--NW. side.	27° 21.9' S 153° 13.9' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
5782.6 K 2878.2	--North Point.	27° 22.2' S 153° 14.2' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
5783 K 2878.7	--Jetty.	27° 23.3' S 153° 13.4' E	<b>Fl.G.</b> period 4s				
5783.1 K 2878	--SE. side.	27° 24.3' S 153° 14.4' E	<b>Q(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	F.R. on 2 radio masts 1.3 miles N.
5783.3 K 2880.9	-Green Island, N. side.	27° 24.9' S 153° 13.6' E	<b>V.Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
5783.5 K 2880.8	--NW. side.	27° 25.1' S 153° 13.3' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
5783.7 K 2880.7	--NE. side.	27° 24.9' S 153° 14.6' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
5783.9 K 2880.6	--S. side.	27° 26.4' S 153° 14.5' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
5784 K 2886.8	-Hope Bank.	27° 26.1' S 153° 17.4' E	<b>Fl.(2)W.</b> period 6s			ISOLATED DANGER BRB, beacon, topmark.	
5788 K 2897	-Chain Banks, SW. side.	27° 25.3' S 153° 18.3' E	<b>Fl.G.</b> period 2.5s			Green beacon, triangular daymark point up.	
5792 K 2900.88	Amity Banks, SW. side.	27° 27.1' S 153° 19.6' E	<b>Fl.G.</b> period 6s			STARBOARD (A) G, beacon.	Beacon Fl.G. 4s close ESE.

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<b>AUSTRALIA-EAST COAST</b>							
5800 K 2898.7	-Hanlon.	27° 28.2' S 153° 21.0' E	Fl.R. period 6s fl. 0.3s, ec. 5.7s			6 PORT (A) R, beacon, topmark.	
5801 K 2898.8	--Close W.	27° 28.2' S 153° 20.9' E	Fl.R. period 2.5s			PORT (A) R, beacon, topmark.	
5802 K 2901	-The Gutter Range, front.	27° 29.5' S 153° 21.0' E	Q.Y.				
5803 K 2901.01	--Rear, 64 meters 194°46' from front.	27° 29.6' S 153° 20.6' E	Iso.W. period 2s				
5804 K 2899.4	-W.A. Douglas.	27° 29.6' S 153° 22.9' E	Q.(6)+L.Fl.W. period 15s			S. CARDINAL YB, beacon, topmark.	
5805 K 2899.9	-Dunwich Range, front.	27° 29.6' S 153° 24.3' E	F.Bu.				F.Y. by day.
5806 K 2899.91	--Rear, 80 meters 103° from front.	27° 29.6' S 153° 24.2' E	F.Bu.				F.Y. by day.
5807.8 K 2899.98	-Myora Bank.	27° 28.9' S 153° 24.0' E	Fl.R. period 4s			PORT (A) R, beacon, topmark.	
5808 K 2900	-Myora.	27° 28.4' S 153° 24.3' E	Fl.R. period 6s fl. 0.3s, ec. 5.7s	20 6		PORT (A) R, beacon, topmark.	
5808.4 K 2900.1	-Capembah.	27° 28.3' S 153° 24.6' E	Fl.R. period 3s			PORT (A) R, beacon, topmark.	
5809 K 2900.2	-Rainbow Channel.	27° 28.1' S 153° 24.9' E	Q.(9)W. period 15s			W. CARDINAL YBY, beacon, topmark.	
5810 K 2900.52	-Wanga Wallen, S. end.	27° 27.2' S 153° 25.0' E	Fl.R. period 4s			PORT (A) R, beacon, topmark.	
5810.2 K 2900.62	--N. end.	27° 25.4' S 153° 25.1' E	Fl.R. period 3s			PORT (A) R, beacon, topmark.	
5813 K 2898.3	--N.	27° 30.2' S 153° 17.2' E	V.Q.W.			N. CARDINAL BY, beacon, topmark.	
5816 K 2863	-Kounungai.	27° 17.6' S 153° 24.1' E	Fl.W.R. period 6s			3 White triangular daymark point up, black stripe.	W. 066°-121°, R.-066°.
5817 K 2863.2	-Coonungai Bank.	27° 19.5' S 153° 21.5' E	Q.(9)W. period 15s			W. CARDINAL YBY, beacon, topmark.	
5818 K 2901.4	-Fison Channel, No 1.	27° 32.5' S 153° 18.3' E	Fl.G. period 2.5s			STARBOARD (A) G, beacon, topmark.	
5818.1 K 2901.45	--No 2.	27° 32.1' S 153° 17.8' E	Fl.R. period 1.5s			PORT (A) R, beacon, topmark.	
5818.6 K 2901.7	-Banana Bank, N.	27° 32.0' S 153° 20.0' E	Q.(9)W. period 15s			W. CARDINAL YBY, beacon, topmark.	
5820 K 2901.87	-Wallen Wallen, S.	27° 33.6' S 153° 24.1' E	Fl.R. period 2.5s			PORT (A) R, beacon, topmark.	
5821 K 2901.85	-Pelican Banks, N.	27° 33.9' S 153° 24.3' E	Fl.G. period 2.5s			STARBOARD (A) G, beacon, topmark.	
5825 K 2903.015	-Barge ramp.	27° 36.8' S 153° 18.8' E	Fl.G. period 3s			STARBOARD (A) G, beacon, topmark.	
5828 K 2861.5	-Tangalooma Range No. 1, front.	27° 11.4' S 153° 22.1' E	Q.Bu.	32 10		Triangular daymark point up.	Visible 070°18'-074°18'.
5832 K 2861.51	--Rear, 180 meters 072°19' from front.	27° 11.4' S 153° 22.2' E	Iso.Bu. period 2s	229 70		Triangular daymark point down.	Visible 070°18'-074°18'.
5836 K 2861.7	--Range No. 2, front.	27° 10.4' S 153° 22.4' E	Q.Bu.			Triangular daymark point up.	Visible 027°36'-031°36'.
5840 K 2861.71	---Rear, 030°50' from front.	27° 10.6' S 153° 22.3' E	Iso.Bu. period 2s			Triangular daymark point down.	Visible 027°36'-031°36'.



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<b>AUSTRALIA-EAST COAST</b>							
5844 K 2859	-Cowan Point.	27° 08.5' S 153° 21.9' E	<b>Fl.W.R.G.</b> period 2s	30 9	10	Square metal framework tower, orange and yellow square daymarks on NW. and SW. facings; 30.	G. 346°-016°30', R.-048°30', W.-055°, R.-132°, W.-141°, R.-193° (partially obscured by trees).
5848 K 2854	-North Point Range, front.	27° 01.4' S 153° 27.3' E	<b>Q.W.R.</b>	81 25	W. 9 R. 8	White square concrete building; 23.	W. 104°-192°, R.-244°, W.-258°, R.-294°.
5852 K 2854.1	--Cape Moreton, rear, 0.86 mile 132°30' from front.	27° 01.9' S 153° 28.0' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 9.7s	400 122	16	White stone tower, red bands and cupola; 75.	
5860 K 2852	<b>Point Lookout.</b>	27° 25.9' S 153° 32.4' E	<b>Fl.(3)W.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	256 78	16	White square concrete tower; 16.	
5864 K 2847	<b>Coolangatta AVIATION LIGHT.</b>	28° 09.9' S 153° 30.5' E	<b>Al.Fl.W.G.</b> period 7.4s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 3.5s	61 19	W. 28 G. 24		
SOUTHPORT:							
5866 K 2850.2	-Gold Coast Seaway Range, front.	27° 56.0' S 153° 25.9' E	<b>Fl.G.</b> period 4.3s		5		
5866.1 K 2850.21	--Rear, 1.45 miles 290°54' from front.	27° 55.5' S 153° 24.3' E	<b>Oc.W.</b> period 5s	344 105	8	Building.	F.W. by day.
5866.5 K 2850	-Entrance Range, front.	27° 56.3' S 153° 25.0' E	<b>Iso.Bu.</b> period 4s			White tower; 16.	
5866.6 K 2850.1	--Rear, 1000 meters 255° from front.	27° 56.4' S 153° 24.5' E	<b>F.Bu.</b>			White pole.	F.Y. by day.
5868 K 2845	-Point Danger, Captain Cook Memorial.	28° 09.9' S 153° 33.0' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	148 45	11	White concrete tower; 66. Floodlit.	Visible 170°-330°.
5869 K 2846.2	-N. breakwater, head.	28° 10.1' S 153° 33.3' E	<b>Fl.G.</b> period 3s	30 9	5		
5869.1 K 2846.4	-S. breakwater, head.	28° 10.2' S 153° 33.3' E	<b>Fl.R.</b> period 3s	30 9	5		
5869.2 K 2846.6	-Spur wall, head.	28° 10.2' S 153° 32.9' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s		1	Red beacon; 10.	
5869.3 K 2846.8	-Terranora Creek, training wall.	28° 11.0' S 153° 33.0' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
5872 K 2844	<b>Fingal Head.</b>	28° 12.0' S 153° 34.3' E	<b>Fl.W.R.</b> period 5s	80 24	W. 17 R. 14	White stone tower and lantern; 23.	R. 251°-294°, W.-251°. Obscured by Cook Island 229°-242° when near the island.
5876 K 2841	Brunswick River, N. breakwater head.	28° 32.0' S 153° 33.0' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s		3	Post.	
5880 K 2840	-S. breakwater, head.	28° 32.3' S 153° 33.5' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s		3	Post.	
5884 K 2838	<b>Cape Byron.</b>	28° 38.3' S 153° 38.2' E	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	387 118	27	White concrete tower and lantern; 72.	
			<b>F.R.</b>	364 111	8		Visible 148°-189°.

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<b>AUSTRALIA-EAST COAST</b>							
5888 K 2834	Ballina Head.	28° 52.0' S 153° 35.5' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	115 35	14	White masonry tower and lantern; 23.	
5892 K 2835	-N. breakwater, head.	28° 52.0' S 153° 35.5' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	23 7	3	Mast.	
5896 K 2836	-S. breakwater, head.	28° 51.8' S 153° 35.4' E	<b>Fl.R.</b> period 3s	30 9	2	Mast; 10.	
5898 K 2834.5	AVIATION LIGHT.	28° 48.9' S 153° 30.8' E	<b>Oc.R.</b> period 1.5s	495 151		Tower.	
5900 K 2829	Evans, head.	29° 07.1' S 153° 26.9' E	<b>Fl.W.R.</b> period 5s fl. 1s, ec. 4s	167 51	W. 9 R. 7	White fiberglass hut; 13.	R. 323°-027°, W.-323°.
EVANS RIVER:							
5904 K 2830	-N. breakwater.	29° 06.0' S 153° 26.2' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	30 9	3		
5908 K 2831	-S. breakwater, head.	29° 07.0' S 153° 26.0' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s		3	Mast; 26.	
CLARENCE RIVER:							
5916 K 2819	-S. breakwater, Range, front.	29° 25.7' S 153° 22.3' E	<b>Oc.R.</b> period 3s	13 4	6	Post.	
5920 K 2818	<b>Clarence Head</b> , common rear, 237°36' from front.	29° 26.0' S 153° 21.8' E	<b>Fl.(3)W.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	135 41	16	White concrete tower and lantern; 56.	Visible 171°-000°.
	-131°30' from front.		<b>F.Bu.</b>				Forms range with North Channel light.
5924 K 2818.4	-N. breakwater, head.	29° 25.5' S 153° 22.4' E	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	20 6	6	Post.	
5932 K 2819.9	-Half tide training wall, entrance Range, front.	29° 25.6' S 153° 21.0' E	<b>Q.Bu.</b>			Beacon, triangular daymark point up.	Visible on range line only. Moved to meet changes in the channel.
5936 K 2820	--Common rear, 278°32' from front.	29° 25.6' S 153° 20.6' E	<b>Oc.Bu.</b> period 3s			Beacon, triangular daymark point down.	Visible on range line only.
	--177°58' from front.		<b>Fl.R.</b> period 3s				
5940 K 2820.1	---Front, 770 meters from common rear.	29° 25.1' S 153° 20.6' E	<b>Fl.R.</b> period 3s		3		Visible on range line only.
5945 K 2822	-North channel Range, front.	29° 25.5' S 153° 21.3' E	<b>Fl.Bu.</b> period 2s		4	Beacon, triangular daymark point up.	Forms range 131°30' with Clarence Head light.
5948 K 2824	-Range, front.	29° 26.0' S 153° 22.0' E	<b>F.G.</b>	49 15		Beacon, triangular daymark point up, black stripe.	
5952 K 2824.1	--Center, 64 meters from front.	29° 26.0' S 153° 21.6' E	<b>F.G.</b>			Beacon.	
5956 K 2824.2	--Rear, 145 meters 142°30' from front.	29° 26.0' S 153° 21.7' E	<b>F.R.</b>	118 36	8	Beacon, triangular daymark point down.	
5960 K 2814	Wooli River Entrance Range, front.	29° 53.1' S 153° 16.2' E	<b>Iso.Bu.</b> period 2s	18 5	2	Post.	

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<b>AUSTRALIA-EAST COAST</b>							
5960.1 <i>K 2814.1</i>	-Rear, 252°11' from front.	29° 53.1' S 153° 16.2' E	<b>Fl.Bu.</b> period 3s		3		
5964 <i>K 2815.4</i>	-N. breakwater, head.	29° 53.3' S 153° 16.1' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	18 5	3	Post.	
5968 <i>K 2815</i>	-S. breakwater, head.	29° 53.2' S 153° 16.2' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	14 4	3	Post.	
5969 <i>K 2815.6</i>	-Channel beacon.	29° 53.5' S 153° 15.9' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon.	
5972 <i>K 2813</i>	North Solitary Island, summit.	29° 55.5' S 153° 23.4' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	190 58	10	White fiberglass hut; 13.	
5973 <i>K 2812.51</i>	Arrawarra.	30° 03.1' S 153° 12.1' E	<b>Fl.Bu.</b> period 3s		3		
5975 <i>K 2812.5</i>	Green Bluff.	30° 06.6' S 153° 12.2' E	<b>Fl.Y.</b> period 3s		4		
5976 <i>K 2812</i>	<b>South Solitary Island.</b>	30° 12.4' S 153° 16.1' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	190 58	17	White round masonry tower and lantern; 66.	
5979 <i>K 2803.2</i>	-N. AVIATION LIGHT.	30° 15.8' S 153° 07.2' E	<b>Iso.R.</b> period 2s	1017 310		Tower.	Obstruction.
COFFS HARBOR:							
5980 <i>K 2805</i>	-Jetty, head.	30° 18.4' S 153° 08.6' E	<b>Q.(3)W.</b> period 10s				Shown when a vessel is expected.
5982 <i>K 2803.6</i>	-Korffs Islet.	30° 19.0' S 153° 09.4' E	<b>Q.(3)W.</b> period 10s	85 26	5		
5984 <i>K 2804.5</i>	-E. breakwater.	30° 18.5' S 153° 09.2' E	<b>Q.R.</b>	36 11	6	Post.	
5988 <i>K 2804</i>	-Range, front.	30° 18.5' S 153° 08.2' E	<b>F.Bu.</b>				
5992 <i>K 2804.1</i>	--Rear, 187 meters 270°42' from front.	30° 18.5' S 153° 08.1' E	<b>F.Bu.</b>				
5993 <i>K 2806</i>	-Boat harbor, E. breakwater, head.	30° 18.3' S 153° 08.7' E	<b>Fl.G.</b> period 3s	24 7	3	Mast; 16.	
5993.5 <i>K 2807</i>	-Boat harbor, W. breakwater, head.	30° 18.3' S 153° 08.6' E	<b>Fl.R.</b> period 3s	24 7	3	Mast; 16.	
5996 <i>K 2803</i>	-AVIATION LIGHT.	30° 19.4' S 153° 06.8' E	<b>Al.FI.W.G.</b> period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	58 18	W. 28 G. 24	Metal tower; 49.	Aero.Iso.R. 2s 1.2 miles NE. and 2.7 miles N.
5999 <i>K 2800</i>	Macleay River, Bar Range, front.	30° 52.6' S 153° 01.0' E	<b>F.Bu.</b>		3	White neon triangular daymark point up, black stripe; 10.	Visible 233°-253°.
5999.1 <i>K 2800.1</i>	-Rear, 75 meters 243° from front.	30° 52.7' S 153° 01.0' E	<b>F.Bu.</b>		3	White neon triangular daymark point down, black stripe; 16.	Visible 233°-253°.
6002 <i>K 2799.6</i>	-S. breakwater, head.	30° 52.3' S 153° 01.7' E	<b>Q.R.</b>	26 8	5		
6003 <i>K 2799.25</i>	Laggers Point.	30° 52.5' S 153° 04.0' E	<b>Fl.R.</b> period 3s		3		
6008 <i>K 2799.2</i>	Point Briner.	30° 53.0' S 153° 02.0' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	10 3	3	Post.	

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<b>AUSTRALIA-EAST COAST</b>							
6016 K 2796	<b>Smoky Cape.</b>	30° 55.4' S 153° 05.2' E	<b>Fl.(3)W.</b> period 20s fl. 0.1s, ec. 3.1s fl. 0.1s, ec. 3.1s fl. 0.1s, ec. 13.5s	420 128	25	White octagonal tower; 57.	3 F.R. on tower 8.7 miles SW.
6016.5 K 2796.1	-Fish Rock.	30° 56.4' S 153° 06.1' E	<b>Fl.(2)W.</b> period 10s		5	Beacon; 3.	
PORT MACQUARIE:							
6017 K 2790	-Bar.	31° 25.6' S 152° 54.9' E	<b>Oc.W.R.G.</b> period 4s				G. 239°-244°, W.-249°, R.-269°.
6019 K 2792	-S. breakwater.	31° 25.6' S 152° 55.1' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	30 9	3	White octagonal tower and lantern.	
6020 K 2791	-N. breakwater.	31° 25.5' S 152° 55.1' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	30 9	3		
6024 K 2788	<b>Tacking Point.</b>	31° 28.5' S 152° 56.2' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 9.7s	111 34	16	White masonry tower and dwelling with white lantern; 26.	
6028 K 2784	<b>Crowdy Head.</b>	31° 50.6' S 152° 45.2' E	<b>Fl.(2)W.R.</b> period 10s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 6.6s	201 61	W. 16 R. 13	White masonry tower and lantern; 23.	R. 197-227°, W.-197°.
CAPE HAWKE HARBOR:							
6034 K 2782.4	-Approach Range, front.	32° 10.4' S 152° 30.6' E	<b>F.Bu.</b>	30 9	6		Entrance marked by beacons.
6034.1 K 2782.41	--Rear, 326 meters 256°24' from front.	32° 10.5' S 152° 30.4' E	<b>F.Bu.</b>	55 17	6		
6036 K 2781	-S. breakwater.	32° 10.4' S 152° 30.7' E	<b>Q.R.</b>	33 10	4	Mast.	
6040 K 2780	-N. breakwater.	32° 10.4' S 152° 30.6' E	<b>Oc.G.</b> period 3s	33 10	4	Mast.	
6044 K 2783	-Training Wall.	32° 10.5' S 152° 30.4' E	<b>Fl.G.</b> period 5s		5	Beacon.	
6048 K 2776	<b>Sugarloaf Point.</b>	32° 26.5' S 152° 32.3' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	259 79	25	White round masonry tower with lantern; 49.	
			<b>F.R.</b>	240 73	13		Visible 307°-010° over Seal Rocks and adjacent dangers.
6050 K 2775.9	Little Broughton Island.	32° 37.4' S 152° 20.1' E	<b>Q.(3)W.</b> period 10s	338 103	5		
PORT STEPHENS:							
6052 K 2770	<b>-Point Stephens.</b>	32° 44.8' S 152° 12.1' E	<b>Fl.(4)W.</b> period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 14.9s	126 38	17	White stone tower and lantern; 69.	
6054 K 2770.5	-Tomaree, head.	32° 42.7' S 152° 11.3' E	<b>Fl.R.</b> period 4s fl. 1s, ec. 3s	46 14	5		Visible 110°-320°.

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<b>AUSTRALIA-EAST COAST</b>							
6057 K 2771.2	-Fly Point Range, front.	32° 43.0' S 152° 09.0' E	<b>F.Bu.</b>	46 14	4	Beacon, rectangular daymark.	
6057.1 K 2771.21	--Rear, 64 meters 091°55' from front.	32° 43.0' S 152° 09.0' E	<b>F.Bu.</b>	72 22	4	Beacon, rectangular daymark.	
6061 K 2771.5	-Breakwater, NW.	32° 43.1' S 152° 08.7' E	<b>Iso.G.</b> period 2s	14 4	4		
6061.1 K 2771.6	-Breakwater, SE.	32° 43.2' S 152° 08.7' E	<b>Iso.R.</b> period 2s	14 4	4		
6062 K 2770.8	-Corrie Island.	32° 41.0' S 152° 08.1' E	<b>Dir.Iso.W.R.G.</b> period 4s	56 17	W. 8 R. 6 G. 6	Green beacon.	G. 291°-292°, W.-295°, R.-296°.
6063 K 2727	Approach to Newcastle.	32° 55.8' S 151° 47.0' E	<b>F.R.</b>	180 55			Occasional.
NEWCASTLE HARBOR:							
6064 K 2728	<b>-Nobby's Head.</b>	32° 55.1' S 151° 47.9' E	<b>Fl.(2+1)W.</b> period 20s fl. 0.3s, ec. 2.7s fl. 0.3s, ec. 8.2s fl. 0.3s, ec. 8.2s	115 35	24	White masonry tower and lantern; 33.	Visible 201°-037°. Traffic signals. <b>Siren:</b> 1 bl. ev. 20s (bl. 10s, si. 10s). Tide signal.
6068 K 2732	-Stockton Range, front, N. breakwater, head.	32° 54.8' S 151° 47.9' E	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	40 12	5	Black wooden framework tower, orange triangular daymark point up.	
6069 K 2732.1	--Rear, 980 meters 265° from front.	32° 54.8' S 151° 47.3' E	<b>F.G.</b>	95 29	6		
6070 K 2733	-Entrance.	32° 54.8' S 151° 47.9' E	<b>F.G.</b>	30 9	2		
6072 K 2730	-S. breakwater, head.	32° 55.0' S 151° 48.2' E	<b>Oc.W.R.</b> period 3s	45 14	W. 8 R. 5	Black wooden framework tower, orange square daymark.	W. 084°-306°, R.-084°.
6076 K 2740	-Entrance Channel Range, front, 403 meters 056°06' from common rear.	32° 55.5' S 151° 46.8' E	<b>F.R.</b>	105 32	5	Metal mast, orange stripe.	F.W. by day.
6078 K 2740.01	--NW. Shoulder Range, front, 054°47' from common rear.	32° 55.5' S 151° 46.8' E	<b>F.G.</b>			Metal pole, orange rectangular daymark, stripe; 39. Floodlit.	<b>Siren:</b> 1 bl. ev. 15s (bl. 5s, si. 10s).
6079 K 2740.02	--SE. Shoulder Range, front, 058°25' from common rear.	32° 55.5' S 151° 46.8' E	<b>F.G.</b>			Metal pole, orange rectangular daymark, stripe; 39. Floodlit.	
6080 K 2740.1	--Common rear.	32° 55.7' S 151° 46.6' E	<b>F.W.</b>	167 51	5	Metal mast, orange stripe.	
6088 K 2729	-Approach Range, front.	32° 55.2' S 151° 47.2' E	<b>F.G.</b>	50 15	10	Mast, orange stripe; 49.	Visible 236°-115°, intensified 237°18'-252°18'. Shown 24 hours.
6092 K 2729.1	--Dyke Point, rear, 1,000 meters 244°50' from front.	32° 55.4' S 151° 46.6' E	<b>F.G.</b>	80 24	10	Mast, orange stripes; 79.	Visible 190°-110°, intensified 237°18'-252°18'.
6093 K 2750	-Pilot Wharf.	32° 55.4' S 151° 47.3' E	<b>2 F.R.</b>				Occasional.
6094 K 2742	-Queens Wharf, NW. corner.	32° 55.5' S 151° 46.8' E	<b>Fl.R.</b> period 3s				
6094.1 K 2742.2	--NE. corner.	32° 55.5' S 151° 46.9' E	<b>Fl.R.</b> period 3s				
6096 K 2759	-W. Basin.	32° 55.2' S 151° 46.1' E	<b>F.R.</b>	203 62	10	Silo.	Visible 167°-347°. F.W. by day. F.G. marks SE. corner of W. Basin.

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<b>AUSTRALIA-EAST COAST</b>							
6097 K 2757.5	-Throsby No. 1.	32° 55.4' S 151° 45.7' E	Dir.W.R.G.	111 34	15	Gray metal tower; 105.	F.G. 272°06'-273°42', Al.W.G.-274°18' (W. phase increasing with bearing), F.W.-274°54', Al.W.R.-275°36' (R. phase increasing with bearing), F.R.-277°06'. 3 Fl.R. 3s shown along Lee Wharf.
6100 K 2743	-Horse Shoe Range, front.	32° 55.4' S 151° 47.4' E	F.R.	31 9		Mast, orange triangular daymark point up.	
6104 K 2743.1	--Rear, 180 meters 102°31' from front.	32° 55.4' S 151° 47.5' E	F.R.	47 14		Metal framework tower, orange triangular daymark point down.	
6108 K 2758	-Wickham Range, front.	32° 55.5' S 151° 47.2' E	F.R.	56 17		Mast, red triangular daymark point up.	
6112 K 2758.1	--Rear, 203 meters 094°37' from front.	32° 55.5' S 151° 47.5' E	F.R.	85 26		Mast, red triangular daymark point down.	
6116 K 2762	-Stockton Crossing Range, front.	32° 54.4' S 151° 46.8' E	F.R.	19 6	4	Pile beacon, orange triangular daymark point up.	
6120 K 2762.1	--Rear, 197 meters 039°38' from front.	32° 54.3' S 151° 46.9' E	F.R.	30 9	6	Metal framework tower, orange triangular daymark point up, white border.	
6121 K 2760.5	-Steelworks Channel Range, front.	32° 55.1' S 151° 46.4' E	Oc.G. period 20s	92 28	6	Orange square daymark.	Visible 095°-255°. 5 Fl.R. 3s mark dockyard berths.
	-AVIATION LIGHT.		F.R.	92 28			Obstruction.
6121.2 K 2760.51	--Rear, 388 meters 174°41' from front.	32° 55.3' S 151° 46.4' E	F.G.	112 34	6	Orange square daymark.	Visible 095°-255°.
6125 K 2760	-Port Waratah.	32° 53.2' S 151° 46.2' E	F.W.G.	210 64	W. 14 G. 12	Metal column; 197.	G. 349°42'-354°42', W.- 359°42'. 2 W. lights (horiz.) visible when within center of 10 meter channel.
			F.W.R.	210 64	W. 14 R. 12		W. 349°42'-354°42', R.- 359°42'.
6126 K 2764	-Hunter River, No. 1.	32° 53.4' S 151° 47.3' E	Fl.G. period 3s			Beacon, green triangular daymark point up.	
6127 K 2765.2	-Stockton Bridge, center.	32° 53.1' S 151° 47.2' E	F.Bu.				On N. and S. sides.
6127.1 K 2765	--W. side.	32° 53.1' S 151° 47.2' E	Fl.R. period 3s				On N. and S. sides.
6127.2 K 2765.4	--E. side.	32° 53.1' S 151° 47.2' E	Fl.G. period 3s				On N. and S. sides.
6128 K 2766	-Hunter River, No. 4.	32° 52.7' S 151° 47.0' E	Fl.R. period 3s			Red beacon, red square daymark.	Channel marked by lighted buoys and beacons No. 5 to No. 15.
6134 K 2722	-Moon Island.	33° 05.4' S 151° 40.0' E	Iso.W.R. period 2s	39 12	5		W. 078°-010°, R.-078°.

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<b>AUSTRALIA-EAST COAST</b>							
CATHERINE HILL BAY:							
6152 <i>K 2712</i>	<b>-Norah Head.</b>	33° 16.9' S 151° 34.7' E	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	151 46	26	White concrete tower and lantern; 89.	
			<b>F.R.</b>	128 39	8		Visible 210°-241°.
			<b>F.G.</b>	144 44	7		Visible 000°-040°.
6154 <i>K 2711</i>	Terrigal.	33° 27.2' S 151° 26.5' E	<b>Fl.W.G.</b> period 2s	246 75	W. 5 G. 2		G. 205°-225°, W.-349°.
BROKEN BAY:							
6156 <i>K 2702</i>	<b>-Barranjoey Head.</b>	33° 34.8' S 151° 19.8' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	371 113	19	Red round stone tower with white lantern; 66.	Visible 012°-343°.
CROOKHAVEN RIVER:							
6160 <i>K 2710</i>	-Lobster Beach.	33° 32.0' S 151° 20.0' E	<b>Fl.G.</b> period 3s			Green beacon.	
6164 <i>K 2710.2</i>	--	33° 31.8' S 151° 20.4' E	<b>Fl.G.</b> period 3s			Green beacon.	
6172 <i>K 2707.8</i>	-Flat Rock Point.	33° 33.0' S 151° 14.0' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s			Red beacon.	
PORT JACKSON:							
6176 <i>K 2637</i>	-Outer N. head.	33° 49.4' S 151° 18.0' E	<b>Iso.G.</b> period 2s	240 73	3	Mast.	
6180 <i>K 2636</i>	<b>-Hornby.</b>	33° 50.0' S 151° 16.9' E	<b>L.Fl.W.</b> period 5s fl. 2s, ec. 3s	90 27	15	White tower, red stripes; 30.	F.R. obstruction lights mark 3 radio masts on Middle Head.
6184 <i>K 2638</i>	-Entrance Range, front.	33° 49.1' S 151° 15.7' E	<b>Oc.(4)W.R.G.</b> period 15s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 1s, ec. 1s lt. 8s, ec. 1s	61 19	W. 12 R. 9 G. 9	White tower.	G. 276°-288°, W.-306°, R.-312°.
6188 <i>K 2638.1</i>	--Rosherville, rear, 1,690 yards 293°53' from front.	33° 48.7' S 151° 14.8' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	142 43	12	White tower.	F.R. and Oc.R. lights on two towers 2.6 miles W.
6190 <i>K 2641</i>	-Manly Cove.	33° 48.1' S 151° 17.1' E	<b>Fl.(2)W.</b> period 7s fl. 1s, ec. 1s fl. 1s, ec. 4s			ISOLATED DANGER BRB, beacon, topmark.	
6190.1 <i>K 2641.1</i>	--Manley Wharf, E. side.	33° 48.0' S 151° 17.0' E	<b>2 F.R.</b>				
6190.2 <i>K 2641.102</i>	---W. side.	33° 48.0' S 151° 17.0' E	<b>2 F.G.</b>				
6191 <i>K 2638.52</i>	-Middle Harbor, Spit Bridge, N. channel, N. side.	33° 48.1' S 151° 14.8' E	<b>F.G.</b>				On both sides of bridge.
6191.1 <i>K 2638.57</i>	---S. side.	33° 48.1' S 151° 14.8' E	<b>F.R.</b>				On both sides of bridge.

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<b>AUSTRALIA-EAST COAST</b>							
6191.5 K 2638.53	--S. channel, N. side.	33° 48.2' S 151° 14.8' E	<b>F.G.</b>				On both sides of bridge.
6191.6 K 2638.55	--S. side.	33° 48.2' S 151° 14.8' E	<b>F.R.</b>				On both sides of bridge.
6192 K 2644	-Western Channel Beacon.	33° 50.4' S 151° 15.9' E	<b>Oc.R.</b> period 3s lt. 2s, ec. 1s	26 8	5	White beacon, on piles.	
6193 K 2643	--Georges Head.	33° 50.3' S 151° 15.8' E	<b>Q.G.</b>			STARBOARD (A) G, pile, topmark.	
6196 K 2652	-Eastern Channel Beacon, SE. end of shoal.	33° 50.5' S 151° 16.3' E	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	26 8	5	White beacon, on piles.	
SYDNEY HARBOR:							
6200 K 2650	-E. side of entrance to Vaucluse Bay Range, front.	33° 51.0' S 151° 16.4' E	<b>F.R.</b>	52 16	5	White tower.	Visible 143°-231°.
6204 K 2650.1	--Rear, 945 meters 185°25' from front.	33° 51.5' S 151° 16.4' E	<b>F.R.</b>	275 84	5	White tower.	
6204.7 K 2652.5	-Bottle and Glass Point.	33° 50.8' S 151° 16.3' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
6205 K 2653.5	-Shark Bay.	33° 51.0' S 151° 15.9' E	<b>Q.R.</b>			PORT (A) R, pile, topmark.	
6205.5 K 2654	--Point.	33° 51.2' S 151° 15.7' E	<b>Fl.Y.</b> period 3s fl. 0.5s, ec. 2.5s			Dolphin.	
6206 K 2653	-Vaucluse.	33° 51.7' S 151° 16.5' E	<b>Oc.W.R.</b> period 3s	423 129	4	Tower.	R. 084°-097°30', W.-165°. F.R. 138 meters and 123 meters on water tower 1.6 miles SW.
6208 K 2656	-Shark Island.	33° 51.4' S 151° 15.4' E	<b>Fl.(3)R.</b> period 8s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 3s	40 12	6	White tower.	Visible in fairway of harbor between Shark Point and Point Piper.
6209 K 2657	--Off W. side.	33° 51.5' S 151° 15.3' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
6210 K 2656.6	--Off S. side.	33° 51.6' S 151° 15.5' E	<b>Q.(6)+L.Fl.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
6214 K 2663.7	-Athol Bay, Athol Wharf, W. side.	33° 50.8' S 151° 14.4' E	<b>F.G.</b>				
6215 K 2663.6	---E. side.	33° 50.8' S 151° 14.4' E	<b>F.R.</b>				
6216 K 2662	-Bradley, head.	33° 51.2' S 151° 14.8' E	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	22 7	6	White tower.	
6217 K 2662.2	--Off E. side.	33° 51.1' S 151° 14.9' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	
6218 K 2663	-Clarke Island, S.	33° 51.8' S 151° 14.5' E	<b>Q.G.</b>			STARBOARD (A) G, beacon, topmark.	
6219 K 2663.5	-Darling Point, NW.	33° 52.0' S 151° 14.1' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
6220 K 2664	-Cremorne Point.	33° 50.9' S 151° 14.0' E	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	25 8	5	White round tower; 26.	
6222 K 2665	-Garden Island.	33° 51.4' S 151° 13.8' E	<b>Q.R.</b>			PORT (A) R, pile, topmark.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
6224 K 2666	-Fort Denison.	33° 51.3' S 151° 13.6' E	<b>Fl.(4)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	61 19	5	Concrete tower.	
6226 K 2668	--Off SW. extremity.	33° 51.3' S 151° 13.5' E	<b>Oc.G.</b> period 3s lt. 2s, ec. 1s	20 6	6	White tapered structure.	
6236 K 2673.5	-Wudyong Point breakwater, head.	33° 50.8' S 151° 13.2' E	<b>Iso.R.</b> period 6s				
6244 K 2674	-Kirribilli Point Reef.	33° 51.2' S 151° 13.1' E	<b>F.G.</b>	11 3	3	White tapered structure.	
6248 K 2678	-Bennelong Point.	33° 51.4' S 151° 12.9' E	<b>FR.</b>	12 4	3	Red beacon, cage topmark.	
6252 K 2682	-Sydney Cove, entrance, W. side.	33° 51.3' S 151° 12.7' E	<b>FR.</b>	23 7	6	Red beacon, cage topmark.	
6256 K 2676	-Bridge between Milsons Point and Dawes Point.	33° 51.1' S 151° 12.7' E	<b>F.R.Y.</b>	172 52	5	Neon diamond daymark, yellow stripe.	
6257 K 2676.2	--W. side.	33° 51.1' S 151° 12.6' E	<b>F.R.Y.</b>	171 52	5	Neon diamond daymark, yellow stripe.	
6260 K 2684	-Dawes Point.	33° 51.3' S 151° 12.6' E	<b>FR.</b>	23 7	6	Tower.	
6261 K 2686	--NW.	33° 51.2' S 151° 12.5' E	<b>Oc.R.</b> period 3s lt. 2s, ec. 1s	39 12	3	Shed.	
6264 K 2676.4	-AVIATION LIGHT.	33° 51.1' S 151° 12.6' E	<b>Oc.R.</b> period 1.5s lt. 1s, ec. 0.5s	453 138	25	Top of center span.	
6268 K 2688	-Blues Point.	33° 51.0' S 151° 12.2' E	<b>Iso.G.</b> period 2s	58 18	6	White framework tower.	
6272 K 2695	-Goat Island.	33° 51.1' S 151° 11.9' E	<b>Oc.W.</b> period 3s lt. 2s, ec. 1s	43 13	3	White octagonal wooden tower.	F.W. by day.
6276 K 2692	-Range, front.	33° 51.1' S 151° 11.8' E	<b>F.G.</b>				
6280 K 2692.1	--Rear, 55 meters 354°44' from front.	33° 51.1' S 151° 11.8' E	<b>F.G.</b>				
6284 K 2693	-Range, front.	33° 51.1' S 151° 11.9' E	<b>FR.</b>				
6288 K 2693.1	--Rear, 50 meters 354°20' from front.	33° 51.1' S 151° 11.9' E	<b>FR.</b>				
6289 K 2695.45	-Pier, SE. end.	33° 51.2' S 151° 11.8' E	<b>F.G.</b>		2		
6292 K 2695.4	--Coal loader, NW. extremity.	33° 51.1' S 151° 11.7' E	<b>Iso.R.</b> period 2s	26 8	6		
6293 K 2695.5	-Simmons Point.	33° 51.3' S 151° 11.6' E	<b>FR.</b>			PORT (A) R, beacon, topmark.	
6294 K 2696	-Peacock Point.	33° 51.6' S 151° 11.8' E	<b>Oc.G.</b> period 2s lt. 1.5s, ec. 0.5s	13 4	2	Pile structure.	
6295 K 2696.4	-White Bay Container Terminal.	33° 51.7' S 151° 11.5' E	<b>Q.W.</b>				
6295.5 K 2696.55	-Glebe Island.	33° 51.8' S 151° 11.2' E	<b>FR.</b>	10 3			

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<b>AUSTRALIA-EAST COAST</b>							
6295.6 <i>K 2696.71</i>	--Old bridge.	33° 52.1' S 151° 11.2' E	<b>F.W.</b>				Shown from each end of pontoon. Fl.G. 3s marks E. side of pontoon.
6295.63 <i>K 2696.73</i>	--New bridge, W. side.	33° 52.1' S 151° 11.1' E	<b>F.G.</b>				On N. and S. side.
6295.65 <i>K 2696.74</i>	--E. side.	33° 52.2' S 151° 11.2' E	<b>F.R.</b>				On N. and S. side.
6296.1 <i>K 2689.5</i>	--S.	33° 51.5' S 151° 12.1' E	<b>F.G.</b>				
6298 <i>K 2696.84</i>	-Balls, head.	33° 50.9' S 151° 11.6' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s			6 Beacon.	
6299 <i>K 2696.82</i>	-Gore Cove.	33° 50.4' S 151° 11.2' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s			6 Beacon.	
6300 <i>K 2697</i>	-Mann's Point.	33° 50.6' S 151° 11.3' E	<b>F.G.</b>			Post on dolphin.	
6304 <i>K 2697.2</i>	-Longnose Point.	33° 50.8' S 151° 11.2' E	<b>F.R.</b>			4	
6305 <i>K 2696.9</i>	-Snails Bay.	33° 51.0' S 151° 11.4' E	<b>Iso.R.</b> period 2s			Dolphin.	Iso.R. 2s marks dolphin 90 meters SE. Q.Y. lights mark dolphins close SW. and NW.
6306 <i>K 2698.2</i>	-Birkenhead Point Marina.	33° 51.3' S 151° 10.0' E	<b>Fl.Y.</b> period 4s		16 5		Marina marked by Fl.G. 4s and Fl.Y. 4s.
6308 <i>K 2697.9</i>	-Spectacle Island, off NE. side.	33° 50.8' S 151° 09.9' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon.	
6309 <i>K 2697.92</i>	--Off NW. side.	33° 50.8' S 151° 09.8' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon.	
6310 <i>K 2698</i>	--Off S. side.	33° 51.0' S 151° 09.8' E	<b>F.G.</b>			STARBOARD (A) G, pile.	
6311 <i>K 2697.5</i>	-Fern Bay Marina.	33° 50.6' S 151° 09.7' E	<b>F.W.</b>				
6312 <i>K 2698.35</i>	-Wrights Point.	33° 50.5' S 151° 09.3' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s			PORT (A) R, beacon, topmark.	
6313 <i>K 2698.36</i>	-Tarban Point.	33° 50.3' S 151° 09.0' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	
6316 <i>K 2632</i>	<b>-Macquarie.</b>	33° 51.2' S 151° 17.1' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 1.9s fl. 0.1s, ec. 7.9s		344 105	25 White masonry tower and lantern; 85.	Visible 204°-359°.
BOTANY BAY:							
6324 <i>K 2623</i>	-Henry Head, Endeavour.	33° 59.9' S 151° 14.3' E	<b>Oc.W.R.</b> period 3s lt. 2s, ec. 1s		89 27	7 White round tower; 13.	R. 285°-320°, W.-103°, R.-140°.  Visible 260°-114°.
6325 <i>K 2624.4</i>	-Inscription Point.	34° 00.3' S 151° 13.7' E	<b>Iso.W.R.</b> period 2s	103 31	W. 7 R. 5	Mast; 26.	W. 127°30'-312°, R.-344°.
6327 <i>K 2624</i>	-312°.	33° 58.0' S 151° 11.1' E	<b>Dir.W.R.G.</b>	56 17	W. 13 R. 5 G. 5		F.G. 288°30'-310°06', Al.W.G.-311°18', F.W.- 312°36', Al.W.R.-313°48', F.R.-326°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
6344 K 2625	-Range, front, about 372 meters 200° from La Perouse Tower.	33° 59.5' S 151° 13.8' E	<b>F.G.</b>	62 19	8		Visible 043°-103°.
6348 K 2625.1	--Rear, about 914 meters 073°10' from front.	33° 59.4' S 151° 14.4' E	<b>F.G.</b>				Visible 043°-103°.
6349 K 2625.5	-Range, front.	33° 59.9' S 151° 12.4' E	<b>FL.Y.</b> period 3s fl. 1s, ec. 2s			White beacon, red rectangular daymark.	Iso.Y. 2s lights form ranges 271°22' and 273°53' close NW.
6349.1 K 2625.51	--Rear, 224 meters 252°48' from front.	34° 00.0' S 151° 12.2' E	<b>FL.Y.</b> period 3s fl. 1s, ec. 2s			White beacon, red triangular daymark point down.	
6352 K 2626	-Refinery jetty, head.	33° 59.9' S 151° 12.6' E	<b>F.R.</b>	37 11	3		Private light.
			<b>Iso.R.</b> period 2s				
6356 K 2624.5	-Refinery jetty approach.	34° 00.0' S 151° 13.0' E	<b>Q.W.</b>	26 8	7	N. CARDINAL BY, topmark.	
6358 K 2626.4	-Channel beacon No. 1.	33° 59.2' S 151° 12.8' E	<b>FL.G.</b> period 3s			STARBOARD (A) G, pile, topmark.	
6358.2 K 2626.42	--No. 2.	33° 59.3' S 151° 12.7' E	<b>FL.R.</b> period 3s			PORT (A) R, pile, topmark.	Channel marked by lighted buoys and beacons.
6358.8 K 2626.48	-Jetty, head.	33° 58.9' S 151° 12.5' E	<b>Q.Bu.</b>	75 23	4		In line 312° with beacon Q.Bu. 16m 4M close SE.
			<b>Dir.W.R.G.</b>	56 17			F.G. 173°48.6'-176°38.4', Al.W.G.-179°28.2', F.W.- 182°23.4', Al.W.R.- 185°13.2', F.R.-188°09.6'.
6376 K 2626.7	--RoRo berth 3.	33° 58.0' S 151° 13.1' E	<b>Iso.R.</b> period 3s	23 7	3		
6380 K 2626.76	-Brotherson Dock, S. quay, W. corner.	33° 58.3' S 151° 12.7' E	<b>FL.G.</b> period 3s fl. 1s, ec. 2s	23 7	4		
6381 K 2626.8	-Brotherson Dock, N. Range, front.	33° 58.1' S 151° 13.2' E	<b>F.R.</b>	59 18			
6381.1 K 2626.81	--Rear, 46 meters 073°21' from front.	33° 58.0' S 151° 13.3' E	<b>F.R.</b>	75 23			
6382 K 2626.9	--S. Range, front.	33° 58.1' S 151° 13.2' E	<b>F.R.</b>	59 18			
6382.1 K 2626.91	--Rear, 46 meters 068°49' from front.	33° 58.1' S 151° 13.3' E	<b>F.R.</b>	75 23			
6383 K 2626.95	--N. jetty, head.	33° 58.1' S 151° 13.2' E	<b>Iso.R.</b> period 2s	23 7	2		3 Fl.(2)W. 5s mark dolphins.
6384 K 2626.93	--S. jetty, head.	33° 58.2' S 151° 13.1' E	<b>F.R.</b>	33 10			
6386 K 2628	-Sydney Airport, runway, W. side.	33° 58.4' S 151° 11.5' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	E. side marked by 3 E. Cardinal beacons Q.(3)W. 10s.
6388 K 2630	-S. breakwater, head.	33° 57.1' S 151° 10.1' E	<b>FL.R.</b> period 3s		3	Post.	
6392 K 2631.8	-Georges River, Captain Cook Bridge.	34° 00.5' S 151° 07.7' E	<b>F.R.</b>	54 16		Top of center span.	River marked by various IALA aids to navigation.
6393 K 2630.6	--Entrance.	33° 59.5' S 151° 09.4' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	W. shore of Botany Bay marked by 7 E. and 1 S. cardinal lighted beacons.

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<b>AUSTRALIA-EAST COAST</b>							
6397 K 2631.996	Woolaware Bay Range, front.	34° 01.2' S 151° 07.6' E	<b>F.R.</b>	26 8	1		Pelican Point marked by W. cardinal beacon Q.(9) 15s.
6397.1 K 2631.997	-Rear, 226°05' from front.	34° 01.2' S 151° 07.6' E	<b>F.R.</b>	39 12	1		
6400 K 2629	<b>-Kingsford Smith Airport, AVIATION LIGHT.</b>	33° 56.9' S 151° 10.1' E	<b>Al.FI.W.G.</b> period 8s	75 23	W. 28 G. 25	Tower.	On request.
6401 K 2626.3	-Kurnell Beach.	34° 00.4' S 151° 12.5' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
6402 K 2626.35	--W. end.	34° 00.3' S 151° 11.5' E	<b>Fl.Y.</b> period 2s			SPECIAL Y, beacon, "X" topmark.	
6404 K 2622	Cape Baily.	34° 02.1' S 151° 13.3' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	180 55	13	White square concrete tower and lantern; 30.	
6408 K 2619	Port Hacking, Glaisher Point.	34° 04.2' S 151° 09.4' E	<b>Oc.W.R.</b> period 3s lt. 2s, ec. 1s	33 10	W. 12 R. 9	White mast; 16.	R. 202°-245°, W.-280°, R.-314°, W.-004°.
6409 K 2619.3	-Entrance channel.	34° 04.4' S 151° 09.2' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s			STARBOARD (A) G, beacon, topmark.	Channel is marked by lighted and unlighted beacons.
6412 K 2619.5	-Burraneer Point.	34° 04.4' S 151° 08.4' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	
WOLLONGONG HARBOR:							
6416 K 2614	<b>-Wollongong Head.</b>	34° 25.3' S 150° 54.6' E	<b>Oc.W.R.</b> period 6s lt. 4.5s, ec. 1.5s	131 40	W. 18 R. 15	White round concrete tower and lantern; 82.	R. 188°-213°, W.-312°, R.-358°, W.-008°.
6420 K 2616	-E. breakwater, head.	34° 25.1' S 150° 54.4' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	26 8	3	White column; 16.	
6424 K 2617	-W. breakwater, elbow.	34° 25.2' S 150° 54.3' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s		3	Post; 10.	
6428 K 2618	-Entrance Range, front.	34° 25.3' S 150° 54.3' E	<b>F.Bu.</b>			Blue triangular daymark point up.	
6432 K 2618.1	--Rear, 50 meters 195°30' from front.	34° 25.3' S 150° 54.3' E	<b>F.Bu.</b>			Blue triangular daymark point down.	
PORT KEMBLA:							
6437 K 2602	-Port Kembla, Range, front.	34° 28.5' S 150° 54.3' E	<b>Dir.W.R.G.</b>	52 16	12	White round metal pylon with platform, orange triangular daymark point up.	F.G. 210°24'-211°36', Al.G.W.-212°18' (W. phase increasing with bearing), F.W.-213°30', Al.W.R.-214°12' (R. phase increasing with bearing), F.R.-215°24'. Shown 24 hours.
6437.1 K 2602.1	--Rear, 481 meters 212°54' from front.	34° 28.7' S 150° 54.0' E	<b>F.Bu.</b>	109 33	5	Orange triangular daymark point down.	
6440 K 2601	-N. breakwater, head.	34° 27.9' S 150° 54.6' E	<b>Q.G.</b>	39 12	6	White round metal tower with platform.	
6444 K 2600	-E. breakwater, head.	34° 27.9' S 150° 54.8' E	<b>Q.R.</b>	56 17	6	White round metal tower with platform.	F.R. 14m lights 200 and 400 meters S. mark remainder of breakwater.

F.R.

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<b>AUSTRALIA-EAST COAST</b>							
6452 K 2604	-Jetty No. 4, outer head.	34° 28.2' S 150° 54.7' E	<b>F.G.</b>	20	6	1 Square framework mast, red daymark.	F.Bu. at light tower.
6460 K 2608.1	-No. 6 Jetty, head.	34° 28.1' S 150° 54.3' E	<b>F.Bu.</b> (neon)			Gray round metal pylon.	F.Bu. shown at root of jetty.
6464 K 2610	-Inner harbor Range, front.	34° 27.2' S 150° 52.8' E	<b>F.G.</b>	112	34	3 Metal framework tower, orange triangular daymark point up and rectangular daymark; 95.	
6464.1 K 2610.1	--Rear, 600 meters 300°17' from front.	34° 27.2' S 150° 52.8' E	<b>F.G.</b>	151	46	3 Metal framework tower, orange triangular daymark point down; 75.	
6468 K 2612	-N. mole, head.	34° 27.8' S 150° 54.0' E	<b>2 F.G.</b> (vert.)			Metal pole.	
6472 K 2612.2	--Root.	34° 27.7' S 150° 53.9' E	<b>5 F.G.</b> (vert.)			Metal pole.	
6476 K 2611	-S. mole, head.	34° 27.9' S 150° 54.0' E	<b>2 F.R.</b> (vert.)			Black metal pole.	
6480 K 2611.2	--Root.	34° 27.8' S 150° 53.9' E	<b>5 F.R.</b> (vert.)			Metal pole.	
6495 K 2599.72	Shell Harbor, E. breakwater, head.	34° 34.7' S 150° 52.6' E	<b>Fl.G.</b> period 3s				Fl.R. 3s marks W. breakwater.
6495.5 K 2599.8	-Range, front.	34° 34.7' S 150° 52.2' E	<b>F.Bu.</b>				
6495.6 K 2599.81	--Rear, 248° from front.	34° 34.7' S 150° 52.2' E	<b>F.Bu.</b>				
6496 K 2598	<b>Kiama Harbor.</b>	34° 40.3' S 150° 51.7' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	119	36	16 White round brick tower; 51.	2 Iso.R. 2s 6M form entrance range 212°.
6498 K 2598.5	-S., head.	34° 40.3' S 150° 52.0' E	<b>Fl.R.</b> period 3s	52	16	6	
6500 K 2594	Crookhaven River, entrance.	34° 53.9' S 150° 46.2' E	<b>Q.W.</b>	72	22	8 White round tower; 23.	F.Bu. range lights, moved as channel alters, lead over bar.
JERVIS BAY:							
6504 K 2588	<b>-Perpendicular Point.</b>	35° 05.6' S 150° 48.3' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	311	95	18 White fiberglass hut on white metal framework tower; 62.	Visible 231°-028° and in Jervis Bay. F.R. lights on radio masts 5M SW.
6505 K 2588.5	-No. 6.	35° 07.6' S 150° 45.1' E	<b>Fl.W.R.</b> period 5s			Beacon.	W. 145°-194°, R.-145°.
6506 K 2590	-Captain Point.	35° 07.3' S 150° 43.0' E	<b>Iso.R.</b> period 2s	16	5	3	Fl.Y. (occasional) range lights shown from Currumbene Creek.
6508 K 2589	-Beacon No. 2.	35° 08.0' S 150° 43.0' E	<b>Fl.W.R.</b> period 5s			White post, diamond daymark.	W. 150°-240°, R.-270°.
6512 K 2591	-- No. 1.	35° 07.0' S 150° 43.0' E	<b>Oc.W.R.</b> period 5s lt. 3s, ec. 2s			White framework tower.	R. 180°-200°, W.-310°.
6514	-Dent Rock.	33° 27.2' S 150° 40.5' E	<b>Fl.(2)W.</b> period 7s			ISOLATED DANGER BRB, beacon, topmark.	
6518 K 2593.3	-Huskisson Reef.	35° 02.1' S 150° 40.7' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	

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<b>AUSTRALIA-EAST COAST</b>							
6519 K 2592.6	-Currumbene Creek Range, front.	35° 02.3' S 150° 40.2' E	<b>F.Bu.</b>				Red triangular daymark point up.
6519.1 K 2592.61	--Rear, 64 meters 243°06' from front.	35° 02.3' S 150° 40.2' E	<b>F.Bu.</b>				Red triangular daymark point down.
6520 K 2584	Warden, head.	35° 21.9' S 150° 29.5' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	112 34	14	White metal tower and lantern; 39.	
6524 K 2587	-Ulladulla, N. breakwater.	35° 21.3' S 150° 28.7' E	<b>Fl.G.</b> period 3s fl. 1s, ec. 2s	30 9	3	White post; 10.	
6528 K 2586	--S. Breakwater.	35° 21.4' S 150° 28.7' E	<b>Fl.R.</b> period 3s fl. 1s, ec. 2s	30 9	3	White post; 10.	
6532 K 2585	--Range, front.	35° 21.4' S 150° 28.5' E	<b>F.Bu.</b>	13 4	3	Blue triangular daymark point up; 13.	
6536 K 2585.1	---Rear, 30 meters 269°06' from front.	35° 21.4' S 150° 28.5' E	<b>F.Bu.</b>	23 7	3	Blue triangular daymark point down; 23.	
6540 K 2577.8	Brush Island.	35° 31.7' S 150° 25.0' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	158 48	9	White hut; 11.	
6544 K 2582	Batemans Bay Range, front.	35° 43.1' S 150° 11.8' E	<b>F.Bu.</b>	23 7	4	Blue triangular daymark point up; 23.	
6548 K 2582.1	-Rear, 275 meters 279°42' from front.	35° 43.1' S 150° 11.8' E	<b>F.Bu.</b>	33 10	4	Blue triangular daymark point down; 33.	
6550 K 2581	-Square, head.	35° 42.7' S 150° 12.8' E	<b>Iso.W.</b> period 2s	79 24	10	Pole.	Visible 300°18'-304°48' and 323°42'-327°12'.
6552 K 2582.4	-S. breakwater, head.	35° 43.2' S 150° 11.9' E	<b>Fl.R.</b> period 3s	14 4		Orange tower.	Fl.R. 5s and Fl.G. 5s mark W. and E. extremities of breakwater wall.
6556 K 2577.6	Burrewarra Point.	35° 50.0' S 150° 14.0' E	<b>Fl.(4)W.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	203 62	9	White tower; 33.	
<b>MORUYA RIVER:</b>							
6560 K 2578.3	-Entrance Range, front.	35° 54.3' S 150° 09.0' E	<b>F.Bu.</b>				Orange triangular daymark point up.
6564 K 2578.31	--Rear, 585 meters 268°54' from front.	35° 54.3' S 150° 08.6' E	<b>F.Bu.</b>				Orange triangular daymark point down.
6565 K 2578.2	-Breakwater.	35° 54.3' S 150° 09.4' E	<b>Fl.G.</b> period 3s				
6567 K 2577.2	Wagonga River, breakwater.	36° 12.6' S 150° 08.1' E	<b>Fl.G.</b> period 3s	20 6	4		
6568 K 2576	<b>Montague Island.</b>	36° 15.1' S 150° 13.6' E	<b>Fl.W.</b> period 15s fl. 0.2s, ec. 14.8s	262 80	20	Gray round stone tower; 69.	At Wagonga and Moruya Rivers Fl.R. and Fl.G. range lights, moved as channel alters, lead over bars shown only when vessels are expected.
6572 K 2574	Bermagui Bay.	36° 25.3' S 150° 04.5' E	<b>Iso.W.</b> period 2s		10	Mast.	
6576 K 2572	Twofold Bay, Lookout Point, S. extremity.	37° 04.5' S 149° 54.8' E	<b>Oc.W.R.</b> period 3s lt. 2s, ec. 1s	128 39	W. 12 R. 9	White metal framework tower; 46.	R. 198°-246°30', W.-288°, R.-337°30', W.-091°. <b>Aero Radiobeacon</b> 9.7 miles N.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
6580 <i>K 2572.6</i>	Snug Cove, breakwater, head.	37° 04.5' S 149° 54.4' E	<b>Oc.W.</b> period 3s	31 <b>9</b>	5	Mast.	Leading light and beacon 328°, 2 F.Bu., 1000 meters NW.
6584 <i>K 2573.2</i>	-Quarantine Bay, breakwater, head.	37° 04.7' S 149° 53.0' E	<b>Oc.R.G.</b> period 3s lt. 2s, ec. 1s	19 <b>6</b>	5		R. 220°-300°, G.-220°.
6586 <i>K 2573.58</i>	East Boyd Bay Wharf Range, front.	37° 06.4' S 149° 55.8' E	<b>F.Bu.</b>		3	Beacon, triangular daymark point up.	
6586.1 <i>K 2573.59</i>	-Rear, 112° from front.	37° 06.4' S 149° 55.8' E	<b>F.Bu.</b>		3	Beacon, triangular daymark point down.	
6588 <i>K 2570</i>	<b>Green Cape.</b>	37° 15.7' S 150° 03.0' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	128 <b>39</b>	17	White fiberglass hut on white metal framework tower; 49.	

# Section 7

## Tasmania and Bass Strait

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
6592 <i>K 2558</i>	<b>Gabo Island.</b>	37° 34.0' S 149° 55.0' E	<b>Fl.(3)W.</b> period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 13.1s	180 55	16	Red granite tower, white lantern; 154.	
	RACON		<b>G(- - •)</b>		20		(3 & 10cm).
6595 <i>K 2560.2</i>	Bastion Point.	37° 34.2' S 149° 45.8' E	<b>F.Bu.</b>	30 9	13	Beacon.	
6596 <i>K 2561</i>	Mallacoota Inlet.	37° 33.6' S 149° 45.8' E	<b>Iso.Bu.</b> (neon) period 6s	46 14	6	Metal tower.	
6598 <i>K 2557.5</i>	<b>Little Rame Head.</b>	37° 41.1' S 149° 40.4' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	187 57	19	White fiberglass hut; 7.	
6600 <i>K 2557</i>	Wingan Point.	37° 44.9' S 149° 31.0' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	6	Pole; 16.	
6604 <i>K 2556</i>	Point Hicks.	37° 48.1' S 149° 16.5' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	184 56	10	White round tower; 72.	
6608 <i>K 2555</i>	Cape Conran.	37° 48.8' S 148° 43.8' E	<b>Fl.W.</b> period 8s fl. 1s, ec. 7s	48 15	10	Metal tower; 16.	
6612 <i>K 2554</i>	Snowy River, E. side of entrance.	37° 48.0' S 148° 32.1' E	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	100 30	4	Metal framework tower.	
6617 <i>K 2542.3</i>	South West Island.	39° 31.2' S 147° 07.5' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	328 100	10	White fiberglass hut; 7.	
6618 <i>K 2542.4</i>	<b>North East Island.</b>	39° 26.7' S 147° 22.6' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 10s	351 107	16	White fiberglass hut; 13.	
6620 <i>K 2542.5</i>	<b>Craggy Island.</b>	39° 41.2' S 147° 40.7' E	<b>Fl.W.</b> period 10s	374 114	18	White fiberglass hut; 7.	
6625 <i>K 2543.85</i>	Flounder A RACON.	38° 18.8' S 148° 26.3' E	<b>Q(- - • -)</b>		15	Platform.	Azimuth coverage 250°-010°. (3 & 10cm).
6627 <i>K 2543.24</i>	Kingfish B RACON.	38° 36.0' S 148° 11.3' E	<b>B(- • • •)</b>		16	Platform on piles.	Azimuth coverage 305°-065°. (3 & 10cm).
<b>TASMANIA</b>							
6630 <i>K 3600.5</i>	Outer Sister Island.	39° 39.0' S 148° 00.0' E	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	567 173	10	White fiberglass hut; 13.	
6632 <i>K 3600.6</i>	Flinders Island, Holloway Point.	39° 43.6' S 147° 57.7' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	31 9	8	White fiberglass hut; 13.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
6636 <i>K 3600.8</i>	<b>Cat Island, summit.</b>	39° 57.0' S 148° 21.2' E	<b>Fl.W.</b> period 2.5s fl. 0.1s, ec. 2.4s	102 31	16	White fiberglass hut; 13.	
6640 <i>K 3600.4</i>	Kangaroo Island.	40° 11.2' S 147° 54.9' E	<b>Fl.W.</b> period 4s fl. 1s, ec. 3s		6		
6644 <i>K 3600</i>	<b>Goose Island.</b>	40° 18.7' S 147° 48.1' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 1.2s fl. 0.1s, ec. 8.6s	118 36	18	White masonry tower, white lantern; 98.	Visible 319°-161°, faintly visible elsewhere. Partially obscured beyond islands.
6644.5 <i>K 3601</i>	Pigs Head.	40° 16.4' S 148° 07.3' E	<b>Fl.W.</b> period 1.5s fl. 0.5s, ec. 1s		6		
6645.2 <i>K 3601.22</i>	-Great Dog Island, 257°55'.	40° 14.8' S 148° 15.8' E	<b>Dir.W.R.G.</b>	26 8	6	Orange triangular daymark point up.	F.G. 247°54'-252°54', F.W.-262°54', F.R.-267°54'.
6645.4 <i>K 3601.24</i>	-Adelaide Bay Range, front.	40° 13.0' S 148° 15.0' E	<b>F.G.</b> (neon)	109 33	3	Orange triangular daymark point up.	
6645.5 <i>K 3601.25</i>	--Rear, 300 meters 323°30' from front.	40° 12.4' S 148° 14.6' E	<b>F.G.</b> (neon)	157 48	3	Metal tower, orange triangular daymark point down; 39.	
			<b>Dir.W.R.G.</b>	157 48	10		F.G. 282°54'-285°12', F.W.-285°42', F.R.-287°54'.
6646 <i>K 3601.3</i>	--Dick Davey, 014°.	40° 13.8' S 148° 17.0' E	<b>Dir.Iso.W.R.G.</b> period 5s		W. R. 4 G. 4	6 Beacon, triangular daymark point up.	G. 215°-008°, W.-017°, R.-087°.
6647 <i>K 3601.4</i>	Vansittart Island.	40° 16.2' S 148° 17.3' E	<b>Dir.W.R.G.</b>		W. R. 5 G. 5	7	F.G. 031°-062°, F.W.-071°, F.R.-209°.
6648 <i>K 3601.6</i>	Cape Barren Island.	40° 26.2' S 148° 28.7' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	82 25	10	White fiberglass hut; 13.	Visible 175°-049°.
6649 <i>K 3601.5</i>	-Apple Orchard Point.	40° 19.0' S 148° 12.5' E	<b>Dir.W.R.G.</b>	66 20	4	Beacon, triangular daymark point up.	F.G. 060°-139°, F.W.-148°, F.R.-255°.
6652 <i>K 3602</i>	<b>Swan Island.</b>	40° 43.6' S 148° 07.5' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	98 30	19	White masonry tower with lantern; 89.	Visible 070°-033°.
6656 <i>K 3606</i>	<b>Eddystone Point.</b>	40° 59.6' S 148° 20.9' E	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 3.3s fl. 0.5s, ec. 10.7s	138 42	20	Gray round granite tower with white lantern; 115.	
6660 <i>K 3607</i>	St. Helens point.	41° 16.9' S 148° 21.0' E	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	189 58	8	Metal tower; 10.	
6661 <i>K 3607.5</i>	-Blanche Point.	41° 16.6' S 148° 19.9' E	<b>Fl.R.</b> period 5s	11 3	4		
6664 <i>K 3608</i>	<b>Cape Tourville.</b>	42° 07.3' S 148° 21.0' E	<b>Fl.W.</b> period 12s fl. 0.1s, ec. 11.9s	413 126	18	White concrete tower with lantern; 36.	
6666 <i>K 3608.2</i>	Great Oyster Bay, Coles Bay breakwater.	42° 07.8' S 148° 17.9' E	<b>Fl.Bu.</b> period 5s	30 9	3	Two vertical neon tubes.	
6667 <i>K 3608.5</i>	-Weatherhead Point.	42° 13.9' S 148° 15.1' E	<b>Fl.W.</b> period 5s	89 27	8		Visible 357°-186°.
6668 <i>K 3609.4</i>	Chicken Point.	42° 20.4' S 148° 17.9' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	144 44	8	White fiberglass hut; 13.	Visible 291°30'-322°30' and 333°30'-109°30'.
6672 <i>K 3609.8</i>	Point Home Lookout.	42° 33.2' S 147° 57.1' E	<b>Oc.W.</b> period 6s lt. 4.5s, ec. 1.5s	187 57	12	White concrete tower with lantern; 46.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
6673 K 3609.9	-Louisville Point.	42° 32.8' S 147° 54.9' E	<b>Fl.W.R.</b> period 4s		6		R. 183°-188° (over Horseshoe Shoal), W. elsewhere.
6676 K 3609.6	North Islet.	42° 33.7' S 148° 04.3' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	75 23	8	White fiberglass hut; 13.	Visible 027°30'-302°.
6678 K 3609.7	Darlington.	42° 34.8' S 148° 03.6' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s		3		
6680 K 3610.2	Spring Bay, jetty, head.	42° 32.0' S 147° 56.0' E	<b>F.Bu.</b>		2		
6682 K 3610.1	-Horseshoe Shoal.	42° 31.7' S 147° 55.0' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	13 4	3	STARBOARD (A) G, beacon.	
6684 K 3611	Lachlan Island, summit, W. of Maria Island.	42° 38.6' S 147° 58.7' E	<b>Fl.W.</b> period 4.5s	69 21	10	Metal framework tower; 23.	
BLACKMAN BAY:							
6688 K 3612	-E. side of The Narrows.	42° 50.6' S 147° 53.6' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	90 27	8	Metal framework tower; 10.	
6690 K 3612.5	-No. 3.	42° 50.9' S 147° 53.2' E	<b>Fl.(2)R.</b> period 5s	16 5		Beacon.	
6716 K 3614	<b>Tasman Island.</b>	43° 14.5' S 148° 00.2' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	906 276	18	White round metal tower with lantern; 95.	Frequently obscured by clouds or fog.
6718 K 3615	Port Arthur.	43° 08.9' S 147° 51.1' E	<b>F.Bu.</b>				
6719 K 3621.2	Smooth Island.	42° 56.6' S 147° 47.1' E	<b>Fl.(3)W.</b> period 6s	13 4	6		
6720 K 3621	Isle of Caves.	42° 54.4' S 147° 39.0' E	<b>L.Fl.R.</b> period 7s fl. 2s, ec. 5s	39 12	3	Red tower; 7.	
6722 K 3620.5	Sloping Island.	42° 56.6' S 147° 38.5' E	<b>Q.(2)W.</b> period 10s	30 9	10	Framework tower; 13.	
6723 K 3621.5	Dart Island.	43° 01.6' S 147° 50.8' E	<b>Fl.W.R.</b> period 5s fl. 0.5s, ec. 4.5s	23 7	5		W. 315°-334°, R.-062°, W.-247°, obsc.-315°.
RIVER DERWENT HOBART:							
6724 K 3620	-Black Jack Rocks.	43° 02.2' S 147° 29.1' E	<b>Fl.W.</b> period 3s	20 6	3	White obelisk.	
6728 K 3622	-Iron Pot Island, E. side of river entrance.	43° 03.6' S 147° 24.9' E	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	65 20	10	White square tower, red band; 40.	
6730 K 3623	-Piersons Point.	43° 03.1' S 147° 20.6' E	<b>Oc.W.R.</b> period 8s	285 87	14	White framework tower; 16.	W. 175°-031°, R.-051°.
6732 K 3624	-Opossum Bay.	42° 58.6' S 147° 23.5' E	<b>Fl.W.</b> period 3s	44 13	8	White framework tower.	
6736 K 3627	-John Garrow Shoal.	42° 54.9' S 147° 22.0' E	<b>Fl.R.</b> period 3s	27 8	10	Red metal and concrete tower.	<b>Radar reflector.</b>
6740 K 3627.6	-Sandy Bay Point.	42° 54.5' S 147° 21.2' E	<b>F.Bu.</b>	24 7	7	Column.	Visible 084°-264°. F.Y. by day.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
-Derwent Sailing Squadron Marina:							
6741 K 3627.7	--Breakwater, head.	42° 54.1' S 147° 20.1' E	<b>F.G.</b>				
6741.1 K 3627.72	---Elbow.	42° 54.0' S 147° 20.1' E	<b>F.R.</b>				
-Royal Yacht Club Marina:							
6742 K 3627.8	--Range, front.	42° 53.9' S 147° 20.1' E	<b>F.Bu.</b>				Outer ends of marina marked by F.G. and F.R. lights.
6742.1 K 3627.81	---Rear, 120 meters 290° from front.	42° 53.9' S 147° 20.1' E	<b>F.Bu.</b>				
-Sullivans Cove:							
6744 K 3628	--Princes Pier, off E. head.	42° 53.2' S 147° 20.4' E	<b>F.R.</b>		7 2	Pile.	
6744.4 K 3629.3	--Elizabeth St. Pier, head.	42° 53.1' S 147° 20.1' E	<b>F.G.</b>				F. and Fl. on weather beacon 700 meters WNW.
6744.5 K 3629.41	---N. end.	42° 53.0' S 147° 20.1' E	<b>F.R.</b>				
6744.7 K 3629.43	--Marina, S. end.	42° 53.0' S 147° 20.1' E	<b>F.G.</b>				
6744.8 K 3629.4	---N. end.	42° 53.0' S 147° 20.2' E	<b>F.R.</b>				
6744.9 K 3629.35	---Kings Pier Marina.	42° 53.1' S 147° 20.1' E	<b>F.G.</b>				
6745 K 3630.3	---Macquarie Wharf.	42° 52.9' S 147° 20.5' E	<b>2 F.R.</b> (vert.)		33 10	Metal pole; 23.	
6746 K 3630.36	-Macquarie Point.	42° 52.6' S 147° 20.5' E	<b>2 F.R.</b> (vert.)		39 12		Neon triangle.
6748 K 3630.4	-Rosny Point.	42° 52.5' S 147° 21.2' E	<b>Fl.W.</b> period 5s		26 8	6	
6752 K 3632.3	-N. limit of main bridge navigational channel, front.	42° 51.6' S 147° 21.1' E	<b>Dir.Y.G.R.</b>			Metal pole, orange diamond daymark.	F.Y. 130°-134°36', F.G.-135°24', F.R.-140°.
<b>F.Bu.</b>							
6756 K 3632.31	--Rear, 120 meters 135° from front.	42° 51.6' S 147° 21.2' E	<b>F.Bu.</b>			Metal pole, orange diamond daymark.	
6760 K 3632.4	-Beltana Point Range, front.	42° 51.1' S 147° 20.6' E	<b>F.G.</b>		10 3	Metal pole, orange diamond daymark.	
6764 K 3632.41	--Rear, about 460 meters 353°18' from front.	42° 50.9' S 147° 20.6' E	<b>F.G.</b>		24 7	7 Metal pole, orange diamond daymark.	Visible 347°-357°. F.Y. by day.
6768 K 3632.5	-Beltana Point.	42° 51.1' S 147° 20.5' E	<b>Fl.G.</b> period 4s		10 3	3	Green wooden beacon.
6772 K 3632.6	-Limekiln Point.	42° 50.8' S 147° 20.2' E	<b>Fl.G.</b> period 2s		10 3	3	Green metal beacon.
6780 K 3634	-Cemetery Point, 340 meters NE.	42° 50.5' S 147° 19.8' E	<b>F.R.</b>		8 2	5	Red column on black pile beacon.
6784 K 3635	-Stanhope Point.	42° 50.0' S 147° 19.5' E	<b>Iso.R.</b> (neon) period 4s		8 2	5	Red column on black pile beacon. F.R. marks ends of wharf close NW.
6788 K 3636.2	-Store Point.	42° 49.5' S 147° 19.1' E	<b>F.G.</b>		20 6	3	Aluminum post.
6790 K 3636.1	-Prince of Wales Bay, Jetty.	42° 49.5' S 147° 18.4' E	<b>F.R.</b>				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
6792 K 3636.3	-Bowen Bridge.	42° 49.1' S 147° 18.4' E	<b>F.G.</b>				On both sides of bridge. F.R. and F.G. mark port and starboard limits of opening on both sides of bridge.
6793 K 3636.35	--Range, front.	42° 49.2' S 147° 18.3' E	<b>F.Bu.</b>			Beacon, orange triangular topmark point up.	
6794 K 3636.36	---Rear, 307°54' from front.	42° 49.2' S 147° 18.3' E	<b>F.Bu.</b>			Beacon, orange triangular topmark point down.	
6796 K 3636.6	Bligh Point.	43° 05.1' S 147° 19.4' E	<b>Fl.W.</b> period 2s	12	5	White metal pedestal; 7.	Visible 355°-220°.
6798 K 3636.42	Snug Bay.	43° 03.5' S 147° 16.4' E	<b>F.Bu.</b>				
6804 K 3637	Simmond Bay.	43° 07.9' S 147° 21.2' E	<b>Fl.W.</b> period 3s	18	4	White tripod.	
6808 K 3638	Lennonville Point.	43° 08.1' S 147° 18.6' E	<b>Fl.W.</b> period 5s	18	4	Red tripod; 11.	
6812 K 3640	North Bruny, Roberts Point.	43° 08.8' S 147° 16.9' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	22	8	Red metal framework tower; 10.	
6816 K 3641	Kinghorne Point.	43° 10.0' S 147° 16.6' E	<b>Fl.(3)W.</b> period 14s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 1.4s fl. 0.6s, ec. 9.4s	35	11	White framework tower; 20.	
6820 K 3642	Green Island.	43° 11.8' S 147° 17.4' E	<b>Fl.W.</b> period 5s	26	8	White metal tower; 7.	
6824 K 3643	Long Bay.	43° 14.3' S 147° 15.9' E	<b>Fl.W.</b> period 1.5s	13	8	Red pile beacon.	
6825 K 3643.3	Three Hut Point.	43° 16.3' S 147° 15.0' E	<b>Fl.Bu.</b> period 5s				
6825.5 K 3643.4	Sheepwash.	43° 18.0' S 147° 15.2' E	<b>Fl.(2)W.</b> period 5s	23	6	White pedestal, red lantern; 7.	
6826 K 3643.6	Alonnah, N. jetty.	43° 18.8' S 147° 14.5' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	23	2		
6828 K 3645	Huon Island, S. point.	43° 17.6' S 147° 08.5' E	<b>Fl.W.</b> period 5.5s fl. 0.5s, ec. 5s	59	9	Silver framework tower, concrete base.	Visible 289°-149°.
HUON RIVER:							
6832 K 3645.5	-Garden Island Point.	43° 16.4' S 147° 08.6' E	<b>Iso.W.R.</b> period 3s		3		W. 308°-344°, obsc.-012°12', W.-064°, R.-090°, W.- 120°, R.-134°, W.-260°, R.-308°.
6836 K 3647	-Point Beaupre, S. extremity.	43° 14.5' S 147° 04.7' E	<b>Fl.W.R.</b> period 8s	38	8	White column; 16.	R. 302°-320°, W.-116°.
6840 K 3648	-Brabazon Point (One Tree Point).	43° 11.4' S 146° 59.1' E	<b>Oc.W.</b> period 8s fl. 6s, ec. 2s	23	7	White metal column; 16.	
6844 K 3648.4	-Whale Point.	43° 10.2' S 146° 58.5' E	<b>Fl.R.</b> period 4s	18	1	Metal column; 13.	
6848 K 3649	Port Huon Pier.	43° 10.0' S 146° 59.0' E	<b>F.G.</b>			Hut.	
6852 K 3650	Hope Island, E. end, Esperance Bay.	43° 20.2' S 147° 02.5' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	30	6	White metal pedestal; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
6856 K 3644	Zuidpool Rock.	43° 19.6' S 147° 10.0' E	<b>Fl.(2)W.</b> period 4.5s fl. 0.4s, ec. 1s fl. 0.4s, ec. 2.7s	23 7	9	Yellow framework tower.	
6864 K 3652	Hopwood Point.	43° 25.1' S 147° 05.5' E	<b>Fl.W.R.</b> period 6s fl. 0.6s, ec. 5.4s	98 30	8	Metal pedestal; 7.	W. 348°-186°, obsc.-210°, R.-224°.
6868 K 3654	<b>Cape Bruny.</b>	43° 29.6' S 147° 08.8' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	305 93	19	White fiberglass hut; 13.	Visible 265°-115°.
6872 K 3654.5	Actaeon Island.	43° 31.6' S 146° 59.9' E	<b>V.Q.(3)W.</b> period 5s	69 21	7	Metal pedestal; 12.	
6876 K 3655	Fisher's Point, S. entrance to Recherche Bay.	43° 34.2' S 146° 55.2' E	<b>Fl.W.</b> period 2s fl. 0.3s, ec. 1.7s	23 7	9	White metal framework tower; 20.	
6878 K 3655.3	<b>Whale Head.</b>	43° 38.2' S 146° 52.3' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	187 57	18	White fiberglass hut; 13.	Visible 223°-079°.
6880 K 3656	<b>Maatsuyker Island.</b>	43° 39.3' S 146° 16.4' E	<b>Fl.(3)W.</b> period 30s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 19.8s	459 140	18	White fiberglass hut; 7.	Obscured by the island 170°-259° and by Needle Rocks 072°-078° when within 5 miles.
	RACON		<b>M(- -)</b>		29		Azimuth coverage 170°-259°. (3 & 10cm).
6884 K 3658	Garden Point.	43° 18.1' S 145° 55.5' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	95 29	9	Square metal framework tower; 13.	Visible 260°-062°.
6888 K 3659	Low Rocky Point.	42° 59.5' S 145° 29.8' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	131 40	13	White fiberglass hut; 13.	
6892 K 3660	<b>Cape Sorell.</b>	42° 11.9' S 145° 10.2' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	167 51	17	White masonry tower with lantern; 121.	
MACQUARIE HARBOR:							
6896 K 3664	-Entrance Islet.	42° 12.7' S 145° 12.9' E	<b>Fl.(3)W.R.</b> period 10s	34 10	W. 10 R. 8	White hexagonal wooden tower.	R. 159°-207°, W.-357°30', R.-000°30', W.-159°.
6900 K 3668	-Bonnet Island.	42° 13.4' S 145° 13.3' E	<b>Dir.W.R.G.</b> period 3s	45 14	W. 10 R. 2 G. 2	White hexagonal wooden tower.	Fl.R. 329°-331°, Fl.W.-141°, Fl.G.-144°, Fl.W.-329°, Fl.W. (intensified) 155°-157°.
6904 K 3665	-W. side of entrance.	42° 13.0' S 145° 14.0' E	<b>Fl.G.</b> period 3.5s	24 7	4		
6908 K 3673	-Regatta Point.	42° 10.0' S 145° 20.0' E	<b>Fl.G.</b> period 2s				
6916 K 3676	Sandy Cape.	41° 25.2' S 144° 44.8' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	75 23	10	White square concrete tower; 20.	
6920 K 3677	<b>Bluff Hill Point.</b>	41° 01.1' S 144° 37.6' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	171 52	16	White concrete tower with lantern, brown hut; 43.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
KING ISLAND:							
6924 K 2190	-Stokes Point.	40° 09.0' S 143° 55.5' E	<b>Fl.(4)W.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	143 44	10	White concrete tower with lantern; 30.	Visible 197°-132°.
6928 K 2189	<b>-Currie.</b>	39° 55.8' S 143° 50.6' E	<b>Fl.W.</b> period 6.5s	151 46	22	Metal tower; 69.	<b>Aero Radiobeacon</b> 3.1 miles NNE.
6929 K 2189.5	--Entrance Range, front.	39° 55.7' S 143° 50.6' E	<b>F.G.</b>				
6929.1 K 2189.51	---Rear, 185 meters 106°30' from front.	39° 55.7' S 143° 50.8' E	<b>F.G.</b>				
6932 K 2188	--About 5.8 km. 035° from Currie Harbor AVIATION LIGHT.	39° 52.9' S 143° 52.8' E	<b>Al.W.G.</b> period 6s	259 79	16	Metal tower; 30.	Occasional.
6936 K 2186	<b>-Cape Wickham.</b>	39° 35.3' S 143° 56.6' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 6.9s	280 85	24	White masonry tower with lantern; 157.	Visible 031°-294° except within 19 miles on bearing 048° (obscured by New Year Island). Also visible between sandhills when bearing 300°.
6940 K 2192	-Councillor Island.	39° 49.8' S 144° 09.6' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	92 28	8	White fiberglass hut; 7.	
6944 K 2191.8	-Cumberland.	39° 58.8' S 144° 07.7' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	253 77	10	White fiberglass hut; 13.	
6948 K 2191	-Grassy Island, breakwater, head.	40° 04.2' S 144° 03.7' E	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	33 10	11	White tripod.	
6952 K 2191.2	-Little Grassy Bay Range, front.	40° 04.1' S 144° 02.9' E	<b>F.G.</b>	36 11	2	Orange triangular daymark point up.	Occasional.
6956 K 2191.21	--Rear, 35 meters 310° from front.	40° 04.1' S 144° 02.9' E	<b>F.G.</b>	46 14	2	Orange triangular daymark point down.	Occasional.
6960 K 3518	Hunter Island.	40° 29.2' S 144° 43.5' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	183 56	10	White fiberglass hut; 13.	Visible 000°-208°.
6964 K 3520	Cape Rochon.	40° 23.8' S 144° 57.3' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	132 40	10	White fiberglass hut; 13.	Visible 094°-329°.
6968 K 3524	Highfield Point.	40° 44.3' S 145° 17.4' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	161 49	W. 10 R. 8	White fiberglass tower; 20.	R. 133°-173°, W.-133°.
STANLEY:							
6972 K 3526	-Breakwater Pier.	40° 46.1' S 145° 18.4' E	<b>F.G.</b>	30 9	4		
6980 K 3531	<b>Rocky Cape.</b>	40° 51.3' S 145° 30.5' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	210 64	16	White concrete tower with lantern; 30.	

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<b>TASMANIA</b>							
WYNYARD:							
6984 K 3532	-Table Cape.	40° 56.8' S 145° 43.7' E	Fl.(2)W.R. period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	590 180	W. 16 R. 13	White masonry tower with lantern; 82.	R. shore-138°, W.-296°, R.-shore. Often obscured by mist and clouds.
6987 K 3533	-N. side of entrance.	40° 59.1' S 145° 44.5' E	Fl.(2)G. period 5s			STARBOARD (A) G, beacon.	
6988 K 3534	River Inglis Range, front.	40° 59.3' S 145° 44.1' E	F.Bu.		4	Black metal pole, orange triangular daymark point up; 16.	
6992 K 3534.1	--Rear, 248° from front.	40° 59.3' S 145° 44.1' E	F.Bu.			Gray metal pole, orange triangular daymark point down; 26.	
EMU BAY:							
7010.5 K 3545.5	-Port of Burnie Range, front.	41° 03.8' S 145° 54.9' E	F.Bu.	55 17	7	Triangular daymark point up.	
7010.51 K 3545.51	--Rear, 360 meters 223°42' from front.	41° 03.9' S 145° 54.6' E	F.Bu.	111 34	7	Triangular daymark point down.	
7011 K 3536.4	--Detached breakwater, SE. end.	41° 03.1' S 145° 55.3' E	F.G. (neon)	52 16	6	Metal tower; 26.	
7011.2 K 3536.6	---NW. end.	41° 03.9' S 145° 55.0' E	F.W. (neon)	52 16	6	Metal tower; 26.	5 F.R. mark Acid Line Bridge close SW.
7012 K 3544	-Ro Ro wharf, Range, front, 370 meters 223° from Jones Pier, head.	41° 03.2' S 145° 54.6' E	F.Bu.		3	Metal pole, orange triangular daymark point up; 36.	
7016 K 3544.1	--Rear, 90 meters 260° from front.	41° 03.2' S 145° 54.5' E	F.Bu.		3	Metal pole, orange triangular daymark point down; 46.	
7020 K 3535	Round Hill Point.	41° 03.9' S 145° 57.7' E	Fl.W.R. period 5s fl. 1s, ec. 4s	100 30	W. 16 R. 13	White square concrete tower with white lantern; 23.	R. 106°-135°, W.-292°.
7024 K 3548	Ulverstone, River Leven, W. side of entrance.	41° 09.2' S 146° 10.0' E	Dir.W.R.G.	23 7	9		F.G. 183°30'-186°30', F.W.-189°30', F.R.-192°30'.
7032 K 3550	-Mersey Bluff.	41° 09.5' S 146° 21.3' E	Fl.(4)W.R. period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	122 37	W. 15 R. 12	White brick tower, red stripes with white lantern; 52.	R. 100°-114°, W.-242°, R.-274°, obscured elsewhere.
DEVONPORT:							
7036 K 3556	-River Mersey, E. side of entrance.	41° 10.0' S 146° 22.2' E	Fl.(2)R. period 10s fl. 0.3s, ec. 1s fl. 0.3s, ec. 8.4s	22 7	8	PORT (A) R, beacon, topmark.	
7040 K 3557	--W. side of channel.	41° 10.1' S 146° 22.0' E	Fl.G. period 1.5s	13 4	3	STARBOARD (A) G, beacon, topmark.	
7044 K 3556.2	--E. side of channel.	41° 10.1' S 146° 22.1' E	Fl.R. period 1.5s	13 4	3	PORT (A) R, beacon, topmark.	
7048 K 3557.2	--Regatta Point, W. side of channel.	41° 10.3' S 146° 21.9' E	F.G.	16 5	3	STARBOARD (A) G, beacon, topmark.	
7052 K 3556.3	--E. side of channel.	41° 10.4' S 146° 22.0' E	Fl.R. period 1.5s		5	PORT (A) R, beacon, topmark.	F.R. beacons mark E. side 235 meters, 515 meters and 625 meters S.
7056 K 3553	-Entrance Range, front.	41° 10.6' S 146° 21.8' E	F.R.	30 9	10	White tower; 26.	

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<b>TASMANIA</b>							
7060 K 3553.1	--Rear, 145 meters 204°04' from front.	41° 10.7' S 146° 21.7' E	<b>F.R.</b>	52 16	10	White tower.	E. and W. limits of channel marked by F.Bu. range lights.
7063 K 3558.4	-S. Inner Range, front.	41° 11.5' S 146° 21.9' E	<b>F.R.</b>				Ferry wharves marked by F.G. on W. side, F.R. on E. side.
7063.1 K 3558.41	--Rear, 90 meters 176°03' from front.	41° 11.5' S 146° 21.9' E	<b>F.R.</b>				
7064 K 3558	-N. Inner Range, front.	41° 10.4' S 146° 21.8' E	<b>F.G.</b>			White tower.	
7068 K 3558.1	--Rear, 35 meters 356°03' from front.	41° 10.4' S 146° 21.8' E	<b>F.G.</b>			White tower.	
7072 K 3563	AVIATION LIGHT.	41° 10.4' S 146° 25.7' E	<b>Al.FI.W.G.</b> period 7.5s	77 23	W. 28 G. 24		Occasional.
7076 K 3571	Hebe Reef.	41° 03.0' S 146° 44.3' E	<b>Fl.W.</b> period 4s	23 7	6	Red and white checkered tower.	<b>Radar reflector.</b>
7080 K 3571.14	Yellow Rock.	41° 03.7' S 146° 46.4' E	<b>Fl.G.</b> period 2s	20 6	6	Green beacon on tripod.	
7084 K 3571.1	Middle Bank.	41° 03.7' S 146° 46.7' E	<b>Fl.R.</b> period 2s	23 7	6	Red metal framework tower on tripod.	
RIVER TAMAR:							
7088 K 3566	<b>-Low Head.</b>	41° 03.3' S 146° 47.4' E	<b>Fl.(3)W.</b> period 30s fl. 0.1s, ec. 4.8s fl. 0.1s, ec. 4.8s fl. 0.1s, ec. 20.1s	142 43	23	White round brick tower with white lantern, red band; 62.	Front light 7092.
			<b>F.R.</b>	122 37	10		Visible 082°-108°, covering Hebe Reef.
7092 K 3566.1	-Dotterell Point Range, front.	41° 03.7' S 146° 47.5' E	<b>F.G.</b>	17 5	3	White round tower; 19.	Visible 339°-050°.
7096 K 3571.4	-Shear Rock.	41° 04.0' S 146° 47.1' E	<b>V.Q.(3)W.</b> period 5s	12 4	2	E. CARDINAL BYB, tower, topmark.	<b>Radar reflector.</b>
7100 K 3571.6	-Barrel Rock Spit.	41° 04.2' S 146° 47.5' E	<b>Fl.R.</b> period 2s	10 3	2	Red metal beacon.	
7104 K 3570	-She-Oak Point, Middle Channel Range, front, and Sea Reach Range, rear.	41° 04.7' S 146° 48.3' E	<b>2 F.R. (vert.)</b>	35 11	10	White round stone tower.	Visible on range line only.
7108 K 3569.9	--Middle Channel Range, rear, 365 meters 127°41' from front.	41° 04.8' S 146° 48.5' E	<b>F.R. (vert.)</b>	62 19	10	White round stone tower, red stripe.	Visible on range line only.
7110 K 3570.1	--Sea Reach Range, front, 160 meters from rear.	41° 04.8' S 146° 48.3' E	<b>F.R.</b>	26 8			Lights in line 004°30'.
7112 K 3572.4	-Northwest Bank.	41° 04.7' S 146° 47.8' E	<b>Fl.G.</b> period 3.5s	12 4	2	Green round tower on metal tripod.	
7113 K 3571.2	-Lagoon Bay Range, front.	41° 04.5' S 146° 48.3' E	<b>F.G.</b>	43 13			
7113.1 K 3571.21	--Rear, 152 meters 123° from front.	41° 04.5' S 146° 48.4' E	<b>F.G.</b>	75 23			
7116 K 3572.6	-Simmons Mistake.	41° 05.2' S 146° 48.1' E	<b>Fl.R.</b> period 3s	16 5	2	Red metal framework tower on tank.	
7120 K 3573	-Elbow Spit.	41° 05.4' S 146° 48.1' E	<b>Iso.G.</b> period 2s	13 4	3	Green pile beacon.	
7124 K 3574.4	-Honduras Bank.	41° 05.9' S 146° 48.1' E	<b>Fl.G.</b> period 3s	13 4	2	Pile beacon, diamond daymark.	



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<b>TASMANIA</b>							
7125 K 3576	-Kelso Range, front.	41° 05.9' S 146° 47.5' E	<b>F.G.</b> (neon)			Beacon, orange triangular daymark point up.	
7125.1 K 3576.1	--Rear, 55 meters 306°16' from front.	41° 05.9' S 146° 47.5' E	<b>F.G.</b> (neon)			Beacon, orange triangular daymark point down.	
7128 K 3574.6	-Bombay Rock.	41° 06.1' S 146° 48.2' E	<b>Q.R.</b>	16 5	2		<b>Radar reflector.</b>
7129 K 3575.4	-Long Tom Reef.	41° 06.4' S 146° 48.5' E	<b>Fl.R.</b> period 3s	16 5	2	Round tower on metal tripod.	
7130 K 3576.4	-Foul ground.	41° 06.6' S 146° 48.5' E	<b>Fl.G.</b> period 3s	13 4	2	Beacon.	
7132 K 3574	-Arthurs Head Range, front.	41° 06.9' S 146° 48.1' E	<b>F.G.</b> (neon)			White wooden beacon.	
7136 K 3574.1	--Rear, 140 meters 182°15' from front.	41° 07.0' S 146° 48.1' E	<b>F.G.</b> (neon)			White wooden beacon.	
7140 K 3577	-George Town Range, front.	41° 07.0' S 146° 49.5' E	<b>F.R.</b> (neon)	26 8		Beacon, orange triangular daymark point up; 30.	
7144 K 3577.1	--Rear, 50 meters 126°16' from front.	41° 07.0' S 146° 49.5' E	<b>F.R.</b> (neon)	43 13		Beacon, orange triangular daymark point down; 36.	
7146 K 3577.4	-Jetty, head.	41° 06.6' S 146° 49.2' E	<b>F.R.</b>			Shed.	
7148 K 3577.8	-Garden Island, N. end.	41° 06.7' S 146° 48.8' E	<b>Iso.G.</b> (neon) period 8s	33 10		Wooden mast.	Garden Island marked by 3 F.G. lights.
7154 K 3580.2	-Roundabout Point.	41° 07.4' S 146° 49.1' E	<b>Oc.R.</b> (neon) period 6s	16 5	3	Red post.	
7156 K 3580.4	-Ashmans Point.	41° 07.5' S 146° 48.7' E	<b>F.G.</b> (neon)			Wooden framework tower.	
7156.1 K 3581	-Point Effingham.	41° 08.2' S 146° 49.7' E	<b>Fl.R.</b> period 2s	33 10	4	Red metal framework tower.	
7156.2 K 3581.4	-Shag Rock.	41° 08.4' S 146° 49.5' E	<b>Fl.G.</b> period 3s	10 3	3	Black column, black triangular daymark point up.	
7156.3 K 3581.7	-West Arm.	41° 08.5' S 146° 48.8' E	<b>Fl.G.</b> period 5s			Beacon.	
7156.5 K 3581.8	-Redbill Point Range, front.	41° 08.5' S 146° 48.4' E	<b>F.R.</b>			Orange triangular daymark point up.	
7156.51 K 3581.81	--Rear, 267° from front.	41° 08.6' S 146° 48.4' E	<b>F.R.</b>			Orange triangular daymark point down.	
7156.6 K 3582	-Beauty Point Harbor, Orari Bank.	41° 08.7' S 146° 49.7' E	<b>V.Q.W.</b>	13 4	2	N. CARDINAL BY, beacon, topmark.	
7156.7 K 3582.4	--W. side of entrance.	41° 08.7' S 146° 49.5' E	<b>Fl.G.</b> period 1.5s			Pile.	
7157 K 3582.8	--E. side of channel.	41° 09.1' S 146° 49.7' E	<b>Fl.R.</b> period 3s			Pile.	
7157.1 K 3583	--Inspection Head Jetty, N. end.	41° 09.0' S 146° 49.4' E	<b>F.R.</b> (neon)	29 9	4	Shed.	Visible 197°-258°.
7157.2 K 3584.3	-Bell Bay No. 2.	41° 08.8' S 146° 50.8' E	<b>Fl.(2)R.</b> period 5s			Red beacon.	
7157.3 K 3584.4	--No. 1.	41° 08.9' S 146° 50.8' E	<b>Q.(2)G.</b> period 5s	16 5	3	STARBOARD (A) G, beacon, topmark.	<b>Radar reflector.</b>
7157.4 K 3584.6	--No. 4.	41° 08.7' S 146° 51.1' E	<b>Fl.R.</b> period 3s	16 5	3	Red wooden beacon.	<b>Radar reflector.</b>
7157.7 K 3585.3	--Common User Berth No. 6, NW. corner.	41° 08.4' S 146° 51.0' E	<b>F.R.</b>				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>TASMANIA</b>							
7158.3 K 3586.5	--Ferry Berth Range, front.	41° 08.1' S 146° 51.9' E	<b>F.G.</b> (neon)				
7158.5 K 3586.51	--Rear, 239 meters 283°54' from front.	41° 08.1' S 146° 51.7' E	<b>F.G.</b> (neon)			Wooden pole.	
7158.6 K 3586.6	--Comalco Wharf.	41° 08.1' S 146° 52.1' E	<b>F.G.R.</b> (vert.)				
7158.7 K 3586.79	--Comalco Range W., front, 82 meters from common rear.	41° 07.8' S 146° 52.5' E	<b>F.G.</b> (neon)			Pole.	Forms range 005°19'.
7158.9 K 3586.8	--Common rear, Comalco Tower.	41° 07.7' S 146° 52.5' E	<b>Iso.G.</b> (neon) period 8s			Pole.	
7159 K 3586.81	--Comalco Range E., front, 75 meters from common rear.	41° 07.8' S 146° 52.5' E	<b>F.G.</b> (neon)			Pole.	Forms range 345°38'.
7159.1 K 3587	--Wolverine Shoal.	41° 08.4' S 146° 52.7' E	<b>Q.W.</b>		7 2	4 N. CARDINAL BY, beacon, topmark.	
7159.2 K 3587.2	--Port Dalrymple Range, front.	41° 08.0' S 146° 53.2' E	<b>F.R.</b>				
7159.3 K 3587.21	---Rear, 45 meters 064°46' from front.	41° 08.0' S 146° 53.2' E	<b>F.R.</b>				
7159.5 K 3587.4	-Long Reach, No. 1.	41° 08.6' S 146° 53.5' E	<b>Fl.G.</b> period 3s		16 5	2	
7159.6 K 3587.6	--Power Station Jetty, head.	41° 08.7' S 146° 54.0' E	<b>F.R.</b>				
7160 K 3588.1	-Long Reach Range, front.	41° 10.8' S 146° 56.7' E	<b>F.R.</b>		13 4	3	
7160.1 K 3588.11	--Rear, 131°54' from front.	41° 10.9' S 146° 56.8' E	<b>F.R.</b>		26 8	3	
7162 K 3598.99	Bridport.	41° 00.1' S 147° 23.8' E	<b>Fl.W.</b> period 3s			5	
7164 K 3599	Waterhouse Island.	40° 47.0' S 147° 38.5' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	82 25	8	White fiberglass hut; 13.	Visible 036°30'-346°.

# Section 8

## South Coast of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
GIPPSLAND LAKES:							
7168 K 2544	-Mount Barkly.	37° 52.9' S 147° 57.8' E	<b>Oc.W.</b> period 4s lt. 3s, ec. 1s	230 70	12	Metal framework tower; 30.	Visible 245°-099°. Reserve light.
7172 K 2545	-Entrance, E. side.	37° 53.3' S 147° 58.4' E	<b>F.W.</b>	50 15	5	Metal column on wooden framework tower; 16.	
			<b>F.Bu.</b>	39 12			LED in shape of triangle point down. Shown 24 hours (extinguished when location and alignment of last dredged line is uncertain; extreme caution should be exercised).
PORT ALBERT:							
7180 K 2540	-Shoal Inlet.	38° 40.5' S 146° 50.1' E	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	30 9	6	Metal tower; 10.	R. lights on radio mast 13 miles NNE.
7188 K 2534	-Entrance Range, front.	38° 44.1' S 146° 39.6' E	<b>Fl.W.</b> period 6s	19 6	9	Red slats, on pile structure; 20.	
7192 K 2534.1	--Rear, 0.7 mile 317°56' from front.	38° 43.6' S 146° 39.0' E	<b>Oc.W.</b> period 3s	39 12	4	White framework tower; 30.	
7196 K 2538	-Wharf, SE. corner.	38° 41.0' S 146° 42.0' E	<b>F.R.</b>			Post on hut.	
7200 K 2531	Big Snake Island.	38° 43.0' S 146° 30.0' E	<b>Fl.W.</b> period 10s	16 5	2		
7204 K 2500	<b>Cliffy Island.</b>	38° 57.1' S 146° 42.4' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	171 52	17	Brown masonry tower with white lantern; 39.	
7208 K 2502	<b>-Lighthouse Point.</b>	38° 50.5' S 146° 28.5' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	118 36	17	Framework tower, red slats; 79.	Visible 187°-350°.
			<b>Dir.W.R.G.</b> period 3s fl. 1s, ec. 2s	115 35	9		Fl.G. 273°-277°, Fl.W.-279°, Fl.R.-283°.
CORNER INLET:							
7212 K 2503	-Lewis Channel, No. 4.	38° 45.1' S 146° 26.1' E	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s	16 5	2	PORT (A) R, beacon, topmark.	
7224 K 2504.9	--022°35'.	38° 43.0' S 146° 23.0' E	<b>Dir.W.R.G.</b>	75 23	8		F.G. 009°06'-022°06', F.W.-023°06', F.R.-029°06'.
-Lewis Channel:							
7228 K 2506	--Longspit, No. 2.	38° 45.0' S 146° 26.0' E	<b>Fl.R.</b> period 2s	23 7	5	PORT (A) R, beacon, topmark.	
7232 K 2512	--W. side, No. 6.	38° 44.0' S 146° 25.0' E	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s	13 4	3	PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7236 K 2514	--No. 8.	38° 43.5' S 146° 25.4' E	<b>Fl.R.</b> period 4s	17	5	2 PORT (A) R, beacon, topmark.	
7240 K 2516	--NW. side No. 10.	38° 43.0' S 146° 26.0' E	<b>Fl.R.</b> period 4s	15	5	2 Framework tower, on piles.	
7244 K 2518	--No. 12.	38° 42.7' S 146° 26.1' E	<b>Fl.R.</b> period 4s	17	5	2 PORT (A) R, beacon, topmark.	
7248 K 2520	--N. side, No. 14.	38° 42.0' S 146° 27.0' E	<b>Fl.R.</b> period 4s	13	4	3 PORT (A) R, beacon, topmark.	
7252 K 2522	--Welshpool Pier.	38° 42.0' S 146° 27.0' E	<b>F.R.</b>	26	8	3	
7256 K 2524	--Jetty, head.	38° 42.0' S 146° 28.0' E	<b>2 F.R.</b> (vert.)	33	10	3 Post.	
7260 K 2504.2	-Franklin Spit.	38° 45.0' S 146° 25.0' E	<b>V.Q.(3)W.</b> period 5s	23	7	5 E. CARDINAL BYB, beacon, topmark.	
7264 K 2525	-Franklin River, No. 1.	38° 46.0' S 146° 22.0' E	<b>Fl.G.</b> period 6s fl. 1s, ec. 5s	16	5	4 Pile beacon; 13.	
7268 K 2526	--No. 3, E. side.	38° 45.0' S 146° 19.0' E	<b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s	15	5	4 Pile beacon.	Fl.R. shown in channel.
7272 K 2529	--W. side, No. 12.	38° 42.5' S 146° 17.5' E	<b>Fl.W.R.</b> period 2s	15	5	4 Red pile beacon.	W. 350°-050°, R.-350°.
7280 K 2504.3	-Toora Channel No. 1.	38° 45.0' S 146° 24.0' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	20	6	4 STARBOARD (A) G, pile, topmark.	
7284 K 2504.6	--No. 5.	38° 44.0' S 146° 23.0' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	20	6	4 STARBOARD (A) G, pile, topmark.	
WILSONS PROMONTORY:							
7288 K 2496	-Sealers Cove, near Horn Point.	39° 01.2' S 146° 27.7' E	<b>Fl.W.R.</b> period 10s fl. 0.5s, ec. 9.5s	70	21	W. 4 Metal column; 7. R. 1	W. 176°-270°, R.-176°.
7292 K 2495	-Refuge Cove, S. side.	39° 02.4' S 146° 28.1' E	<b>Fl.W.R.</b> period 6s fl. 0.5s, ec. 5.5s	80	24	W. 4 Metal post; 7. R. 1	W. 210°-281°30', R.-210°.
7296 K 2494	-Waterloo Bay, Waterloo Point.	39° 05.3' S 146° 26.4' E	<b>Fl.W.R.</b> period 10s fl. 0.5s, ec. 9.5s	65	20	W. 4 White post; 7. R. 1	W. 238°-272°, R.-238°.
7300 K 2492	<b>-Wilsons Promontory.</b>	39° 07.8' S 146° 25.5' E	<b>Fl.W.</b> period 7.5s fl. 0.2s, ec. 7.3s	384	117	18 Gray round stone tower, white lantern and dwellings; 62.	Visible 201°-082°, partially obscured-201°.
7304 K 2492.5	<b>East Moncoeur Island.</b>	39° 13.7' S 146° 32.4' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	335	102	16 White fiberglass hut; 7.	
7308 K 2493	<b>Hogan Island.</b>	39° 13.2' S 146° 59.1' E	<b>Fl.(2)W.</b> period 6s fl. 0.1s, ec. 1.9s fl. 0.1s, ec. 3.9s	446	136	16 White fiberglass hut; 13.	
7312 K 2486	<b>Citadel Island.</b>	39° 06.9' S 146° 14.3' E	<b>Fl.(2)W.</b> period 15s fl. 0.2s, ec. 3.5s fl. 0.2s, ec. 11.1s	385	117	17 White fiberglass hut; 13.	Obscured by Glennie and Anser groups.
7316 K 2484	Waratah Bay.	38° 51.8' S 146° 00.1' E	<b>Fl.W.R.G.</b> period 10s fl. 0.5s, ec. 9.5s	118	36	W. 4 Metal column; 18. R. 1 G. 1	R. 140°-194°, G.-259°, W.- 328°, R.-053°.

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<b>AUSTRALIA-SOUTH COAST</b>							
7320 K 2482	<b>Cape Liptrap.</b>	38° 54.6' S 145° 55.2' E	<b>Fl.W.</b> period 12s fl. 0.1s, ec. 11.9s	304 93	16	White concrete tower; 33.	
7324 K 2480	Inverloch, Andersons Inlet.	38° 38.2' S 145° 44.1' E	<b>Fl.R.</b> period 5s	20 6	2		
7328 K 2476	Cape Woolamai.	38° 33.9' S 145° 21.4' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	368 112	12	Metal column; 10.	
WESTERN PORT:							
7330 K 2461.5	-E. Entrance.	38° 32.6' S 145° 21.2' E	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	13 4	3	PORT (A) R, beacon, topmark.	
7332 K 2460	-E. entrance Range, front.	38° 32.1' S 145° 20.4' E	<b>F.Bu.</b>	41 12	7	Red neon triangular daymark point up; 16.	
7336 K 2460.1	--Rear, 455 meters 306°12' from front.	38° 31.9' S 145° 20.1' E	<b>F.Bu.</b>	81 25	8	Red neon square daymark; 20.	
7344 K 2456	-Settlement Point, N. end of Corinella Jetty.	38° 24.4' S 145° 25.4' E	<b>F.G.</b>	19 6	5	Wooden mast; 10.	
7348 K 2455	-759 meters 303° from Settlement Point Light.	38° 24.2' S 145° 24.9' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	20 6	4	Pile structure.	
7352 K 2454	-Rhyll.	38° 28.0' S 145° 18.6' E	<b>Fl.G.</b> period 5s	16 5	3	Column; 13.	Fl.R. shown on E. side of channel entrance.
7356 K 2436	-Tankerton jetty, off head.	38° 23.0' S 145° 16.1' E	<b>Fl.G.</b> period 5s			STARBOARD (A) G, beacon, topmark.	F.Bu. shown near root.
7360 K 2437.2	-Hanns Inlet, N.	38° 23.3' S 145° 13.9' E	<b>Fl.G.</b> period 8s fl. 1s, ec. 7s	15 5	3	STARBOARD (A) G, beacon, topmark.	
7364 K 2437	--S.	38° 23.3' S 145° 13.9' E	<b>Fl.R.</b> period 8s fl. 1s, ec. 7s	15 5	2	PORT (A) R, beacon, topmark.	
7368 K 2438	-Stony Point Range, front.	38° 22.3' S 145° 13.5' E	<b>F.Bu.</b>	13 4	3	Post.	
7372 K 2438.1	--Rear, about 914 meters 288° from front.	38° 22.2' S 145° 12.8' E	<b>F.Bu.</b>	33 10	3	Post.	
7376 K 2438.6	--No. 2.	38° 22.5' S 145° 13.7' E	<b>Fl.(2)R.</b> period 8s	7 2	1	Red pile.	Marks E. limit of mooring area.
7376.2 K 2438.8	---S.	38° 22.8' S 145° 13.8' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	Marks S. limit of mooring area.
7377 K 2439.2	---No. 12.	38° 22.0' S 145° 13.4' E	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s			PORT (A) R, beacon, topmark.	
7377.2 K 2439	---No. 13.	38° 22.0' S 145° 13.5' E	<b>Q.(2)G.</b> period 5s			STARBOARD (A) G, beacon, topmark.	
7378 K 2439.6	-Middle Spit.	38° 22.5' S 145° 15.4' E	<b>Q.(6)+L.Fl.W.</b> period 15s	23 7	4	S. CARDINAL YB, beacon, topmark.	<b>Radar reflector.</b>
7378.3 K 2439.7	--MS1.	38° 21.5' S 145° 14.5' E	<b>Fl.(4)Y.</b> period 6s	23 7	4	Pile.	<b>Radar reflector.</b>
7378.6 K 2443.7	--MS2.	38° 19.8' S 145° 14.7' E	<b>Fl.Y.</b> period 4s	23 7	4	Pile.	<b>Radar reflector.</b>
7378.9 K 2446.5	--MS3.	38° 18.3' S 145° 14.7' E	<b>Fl.Y.</b> period 3s	23 7	4	Pile.	<b>Radar reflector.</b>

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<b>AUSTRALIA-SOUTH COAST</b>							
-Crib Point:							
7380 K 2440	--Mooring dolphin No. 1.	38° 20.9' S 145° 13.5' E	<b>F.W.</b>		13 4	2	
7384 K 2441.1	--No. 2.	38° 20.9' S 145° 13.5' E	<b>F.R.</b>		15 5	1	
7388 K 2441	--Berthing dolphin No. 1.	38° 21.0' S 145° 13.0' E	<b>F.R.</b>		12 4	1	Forms range 320°40' with dolphin No. 2, marks SW. limit of dredged area.
7392 K 2442.2	--Jetty 1, N. end.	38° 21.0' S 145° 13.0' E	<b>2 F.G.</b> (vert.)		31 9	1	
7396 K 2442	--S. end.	38° 21.0' S 145° 13.0' E	<b>2 F.G.</b> (vert.)		31 9	1	
7408 K 2451	-Jetty, elbow.	38° 13.7' S 145° 18.3' E	<b>Q.G.</b>				
7416 K 2450.6	-Rutherford Creek, E. side.	38° 15.6' S 145° 18.5' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s		18 5	2	STARBOARD (A) G, beacon, topmark.
7420 K 2452	-Tooradin, Sawtells Inlet.	38° 13.5' S 145° 22.5' E	<b>Fl.G.</b> period 10s fl. 0.3s, ec. 9.7s		14 4	3	STARBOARD (A) G, beacon, topmark.
7424 K 2444	-Hastings, N. side of entrance.	38° 19.5' S 145° 13.3' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s		15 5	4	STARBOARD (A) G, beacon, topmark.
7425 K 2444.2	--S. side, No. 2.	38° 19.5' S 145° 13.2' E	<b>Fl.R.</b> period 2s				PORT (A) R, beacon, topmark.
7428 K 2446	--On Jetty.	38° 18.5' S 145° 12.0' E	<b>F.R.</b>		17 5	4	Mast; 13.
7429 K 2446.9	-Long Island Point, Liquids Pier Range, front, 580 meters 318°54' to common rear.	38° 18.5' S 145° 13.7' E	<b>F.R.</b>		30 9	2	
7429.1 K 2447	--Common rear.	38° 18.3' S 145° 13.4' E	<b>F.R.</b>		39 12	2	F.G. shown from N. and S. ends of Liquids Pier.
7429.2 K 2447.1	--Range, front, 380 meters 275°35' to common rear.	38° 18.3' S 145° 13.7' E	<b>F.R.</b>		30 9	2	
7431 K 2449	-Steel Industry Wharves Range, front.	38° 17.6' S 145° 13.7' E	<b>F.G.</b>		16 5	2	Green neon triangular daymark point up.
7431.1 K 2449.1	--Rear, 83 meters 287° from front.	38° 17.6' S 145° 14.4' E	<b>F.G.</b>		26 8	2	Green neon triangular daymark point down.
7433 K 2449.4	-Watson Inlet, No. 2.	38° 15.7' S 145° 15.6' E	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s		10 3	1	PORT (A) R, beacon, topmark.
7434 K 2449.7	-Eagle Rock.	38° 15.9' S 145° 16.8' E	<b>Fl.(2)W.</b> period 10s		10 3	4	ISOLATED DANGER BRB, beacon, topmark.
7435 K 2450	-Crawfish Rock.	38° 16.2' S 145° 17.8' E	<b>Fl.W.R.G.</b> period 8s		13 4	3	Concrete pile.
7436 K 2432	-Cowes, jetty, head.	38° 26.8' S 145° 14.4' E	<b>L.Fl.R.</b> period 10s fl. 2s, ec. 8s		17 5	3	Column; 13.
7440 K 2428	-McHaffies Point.	38° 28.0' S 145° 10.0' E	<b>Oc.W.R.G.</b> period 5s lt. 4s, ec. 1s		90 27	16	39. G. 042°-053°, W.-061°, R.-042°. Reserve light.
7444 K 2426	-Flinders Jetty.	38° 28.5' S 145° 01.7' E	<b>Oc.W.R.G.</b> period 4s lt. 3s, ec. 1s		21 6	W. 8 R. 6 G. 5	Column; 16. R. 212°-231°, G.-263°, W.-301°, G.-320°, R.-343°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7448 K 2424.2	-Round Island.	38° 31.1' S 145° 06.6' E	<b>L.Fl.W.R.</b> period 7s fl. 2s, ec. 5s	101 31	10		R. 213°-290°, W.-033°, R.- 066°, W.-213°. Reserve light Fl.(2)W.R. 10s.
7450 K 2424.3	-Fairway buoy.	38° 30.3' S 145° 05.3' E	<b>Iso.W.</b> period 2s			SAFE WATER RW, pillar, topmark.	
	-RACON		<b>Y(- • - -)</b>				
7456 K 2423	<b>Cape Schanck.</b>	38° 29.6' S 144° 53.2' E	<b>Mo.(N)W.R.</b> period 22.5s fl. 10.8s, ec. 5.8s fl. 0.1s, ec. 5.8s	328 100	W. 19 R. 16	White stone tower with lantern, red cupola; 69.	R. shore-290°, W.-130°. Short flash intensified (W. 27M, R. 23M). <b>DGPS Station.</b>
7460 K 2194	Point Lonsdale.	38° 17.5' S 144° 36.8' E	<b>L.Fl.(2)W.R.G.</b> period 15s fl. 2s, ec. 2s fl. 2s, ec. 9s	120 37	W. 12 R. 10 G. 10	White concrete tower; 69.	W. 266°-272°, R.-325°, G.- 342°48', W.-069°, R.- 110°. Traffic signals. <b>Horn:</b> 2 bl. ev. 30s.
7464 K 2193	Barwon River Range, front.	38° 17.1' S 144° 29.9' E	<b>Fl.G.</b> period 3s	10 3	1 10.		
7468 K 2193.1	-Rear, 370 meters 296° from front.	38° 17.0' S 144° 29.7' E	<b>F.G.</b>	30 9	5	Post; 20.	
7472 K 2199	Fort West.	38° 16.4' S 144° 39.5' E	<b>Dir.Iso.W.R.</b> period 2s	62 19	W. 12 R. 10	Four-sided metal framework tower, gray rectangular daymark.	W. 048°42'-052°42', R.- 058°42'.
			<b>Dir.W.R.</b>	66 20	W. 6 R. 4		F.W. 040°43'-042°28', F.R.- 044°13'.
<b>PORT PHILLIP:</b>							
7476 K 2199.9	-Hume Tower Range, front.	38° 16.4' S 144° 39.5' E	<b>Oc.R.</b> period 15s lt. 12.5s, ec. 2.5s	92 28	11	Metal framework tower, white rectangular daymark; 79.	Forms range 046° with common rear. Marks W. limit of 12 meter dredged channel.
7480 K 2200	--Shortland Bluff, common rear.	38° 16.3' S 144° 39.7' E	<b>F.W.</b>	130 40	14	Stone tower, green top; 82.	Visible 224°-228°, 245°-059°, within the Heads; 014°-059° to seaward.
			<b>Oc.W.</b> period 15s				Visible 029°-053°, 224°-228°. In line 225°53' with Coles Channel light.
7484 K 2200.1	---Queenscliff Low, front, 325 meters 042°28' to common rear.	38° 16.4' S 144° 39.6' E	<b>Oc.W.R.G.</b> period 15s lt. 13s, ec. 2s	93 28	W. 12 R. 11 G. 6	White stone tower, red stripe, green top.	R. 241°-252°, W.-260°, G.- 267°, R.-315°42', W.- 356°, R.-032°, (but obscured by land seaward of Point Nepean 351°-011°), W.-046°, obscured elsewhere.
7488 K 2204	-Murray Tower.	38° 16.4' S 144° 39.6' E	<b>Oc.G.</b> period 15s lt. 12.5s, ec. 2.5s	82 25	5	Metal framework tower.	Visible 032°-046°. In range 038°39' with Shortland-Bluff Light marks E. limit of dredged channel. Reserve light Oc.G. 3s.
7490 K 2205	-Drapers Reef.	38° 16.3' S 144° 40.0' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	
7492 K 2206	-Queenscliff, S. jetty elbow.	38° 16.1' S 144° 40.1' E	<b>F.Bu.</b>	16 5	5	Orange LED triangular daymark point down.	
7500 K 2208	--Range, front.	38° 15.9' S 144° 40.3' E	<b>Q.G.</b>	17 5	2	Mast; 13.	
7501 K 2208.1	---Rear, 492 meters 307°33' from front.	38° 15.7' S 144° 40.1' E	<b>F.G.</b>	23 7			
7502.5 K 2206.6	--Boat harbor entrance, S. side.	38° 16.1' S 144° 40.6' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7504 K 2207	--S. Seawall.	38° 15.9' S 144° 40.4' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	17	2 5	Mast; 13.	
7505 K 2209	-N. Approach.	38° 15.7' S 144° 41.5' E	<b>Fl.R.</b> period 3s	13	4	3 PORT (A) R, pile, topmark.	
7505.5 K 2211	-Swan Spit.	38° 15.4' S 144° 42.2' E	<b>Q.R.</b>	13	4	3 PORT (A) R, pile, topmark.	
7506 K 2213	-Swan Bay Jetty, head.	38° 13.7' S 144° 39.3' E	<b>Fl.W.</b> period 5s	16	5	2 Post.	Entrance channel marked by lighted and unlighted beacons.
7507 K 2322.2	-Popes Eye.	38° 17.3' S 144° 41.3' E	<b>V.Q.(6)+L.Fl.W.</b> period 10s	30	9	8 S. CARDINAL YB, beacon, topmark.	
7507.5 K 2322.25	--S.	38° 17.7' S 144° 41.1' E	<b>Q.W.</b>	29	9	9 N. CARDINAL BY, beacon, topmark.	<b>AIS</b> (MMSI No 995031076).
	-South Channel:						
7508 K 2318	--Quarantine station.	38° 18.7' S 144° 41.7' E	<b>Fl.W.G.</b> period 3s fl. 1s, ec. 2s	21	6	2 White mast; 13.	W. 129°-199°, G.-129°.
7512 K 2319	--Portsea, pier, head.	38° 19.1' S 144° 42.8' E	<b>FR.G.</b>	23	7	7 Metal column; 16.	R. shore-210°, G.-shore.
7513 K 2322.3	---No. 1.	38° 18.0' S 144° 42.4' E	<b>Fl.G.</b> period 3s	30	9	3 STARBOARD (A) G, beacon, topmark.	
7514 K 2322.35	---No. 2.	38° 17.7' S 144° 42.5' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
7515 K 2322.4	---No. 3.	38° 18.3' S 144° 43.7' E	<b>Fl.(2)G.</b> period 5s	30	9	3 STARBOARD (A) G, beacon, topmark.	
7516 K 2322.45	---No. 4.	38° 18.0' S 144° 43.8' E	<b>Fl.(2)R.</b> period 5s	30	9	PORT (A) R, beacon, topmark.	
7517 K 2322.5	---No. 6.	38° 18.2' S 144° 45.5' E	<b>Fl.(3)R.</b> period 10s	30	9	3 PORT (A) R, beacon, topmark.	
7518 K 2322.55	---No. 7.	38° 19.0' S 144° 47.0' E	<b>Fl.(4)G.</b> period 12s	30	9	3 STARBOARD (A) G, beacon, topmark.	
7519 K 2322.6	---No. 8.	38° 18.5' S 144° 47.2' E	<b>Fl.(4)R.</b> period 12s	30	9	3 PORT (A) R, beacon, topmark.	
7519.6 K 2322.63	--South Channel Fort.	38° 18.4' S 144° 48.1' E	<b>Fl.W.</b> period 5s				
7520 K 2320	--Sorrento Range, front.	38° 20.2' S 144° 44.7' E	<b>FR.</b>	23	7	2 Column; 13.	AERO V.Q.R. 48m 0.5M SW.
7521 K 2320.1	---Rear, 169°48' from front.	38° 20.3' S 144° 44.7' E	<b>FR.</b>	23	7	2	Visible 079°48'-259°48'.
7521.2 K 2319.5	--Sorrento, entrance channel, No. 1.	38° 19.5' S 144° 44.5' E	<b>Fl.G.</b> period 5s	13	4	2 STARBOARD (A) G, beacon.	
7521.3 K 2319.6	---No. 2.	38° 19.5' S 144° 44.7' E	<b>Fl.R.</b> period 5s	13	4	2 Beacon, red rectangular daymark.	
7522 K 2322.65	--Beacon No. 9.	38° 19.3' S 144° 48.7' E	<b>Fl.G.</b> period 3s	30	9	3 STARBOARD (A) G, beacon, topmark.	
7523 K 2322.7	---No. 10.	38° 18.9' S 144° 48.9' E	<b>Fl.R.</b> period 3s	30	9	3 PORT (A) R, beacon, topmark.	
7523.4 K 2325.5	---Rye Channel, S.	38° 20.3' S 144° 49.1' E	<b>Fl.W.</b> period 3s			2 Pile.	
7524 K 2322.75	---No. 11.	38° 19.5' S 144° 50.1' E	<b>V.Q.W.</b>	30	9	5 N. CARDINAL BY, beacon, topmark.	
7525 K 2322.8	---No. 12.	38° 19.3' S 144° 50.2' E	<b>Fl.(2)R.</b> period 5s	30	9	3 PORT (A) R, beacon, topmark.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7525.6 K 2322.83	---NW. of Spoil Ground.	38° 19.8' S 144° 51.1' E	<b>Fl.(2)W.</b> period 6s			2 ISOLATED DANGER BRB, beacon, topmark.	
7526 K 2322.85	---No. 13.	38° 19.9' S 144° 51.5' E	<b>Fl.(3)G.</b> period 10s	30 9		3 STARBOARD (A) G, beacon, topmark.	
7527 K 2322.9	---No. 14.	38° 19.7' S 144° 51.6' E	<b>Fl.(3)R.</b> period 10s	30 9		3 PORT (A) R, beacon, topmark.	
7527.5 K 2322.95	---No. 15.	38° 20.0' S 144° 52.5' E	<b>Fl.(4)G.</b> period 12s	30 9		3 STARBOARD (A) G, beacon, topmark.	
7528 K 2323	---No. 16.	38° 19.8' S 144° 52.5' E	<b>Fl.(4)R.</b> period 12s	30 9		3 PORT (A) R, beacon, topmark.	
7529 K 2323.2	---No. 18.	38° 19.8' S 144° 53.5' E	<b>Fl.R.</b> period 3s	30 9		3 PORT (A) R, beacon, topmark.	
7530 K 2323.25	---No. 19.	38° 20.1' S 144° 54.5' E	<b>Fl.(2)G.</b> period 5s	30 9		8 STARBOARD (A) G, beacon, topmark.	
7531 K 2323.3	---No. 20.	38° 19.8' S 144° 53.9' E	<b>Fl.(2)R.</b> period 5s	30 9		3 PORT (A) R, beacon, topmark.	
7532 K 2325	--Rye Jetty.	38° 21.9' S 144° 49.4' E	<b>Fl.R.</b> period 12.5s fl. 0.5s, ec. 12s	19 6		3 Column; 13.	
7564 K 2324	--Hovell, E. end of middle ground.	38° 19.6' S 144° 53.9' E	<b>Fl.W.</b> period 6s	36 11		3	Reserve light Fl.(2)W. 8s 6M.
7572 K 2327	-Jetty.	38° 21.0' S 144° 54.4' E	<b>Fl.R.</b> period 6s	22 7		5	
			<b>F.Bu.</b>			5	
7576 K 2328	--Dromana Jetty.	38° 19.8' S 144° 57.8' E	<b>Fl.R.</b> period 3s	24 7		2 Column; 16.	
	-East Side:						
7580 K 2330	--Schnapper Point.	38° 12.7' S 145° 02.1' E	<b>Q.(2)G.</b> period 5s	30 9		10 Metal framework tower.	
7584 K 2331	--Frankston, jetty, head.	38° 08.7' S 145° 06.7' E	<b>Fl.G.</b> period 4s			4 Post.	
7590 K 2331.38	--Patterson River.	38° 04.5' S 145° 07.1' E	<b>Fl.(3)G.</b> period 5s			STARBOARD (A) G, beacon, topmark.	
7592 K 2331.6	---Entrance.	38° 04.4' S 145° 07.1' E	<b>Fl.W.</b> period 3s	23 7		8 On roof of building.	Visible 010°-150°.
7600 K 2332	--Mordialloc, jetty, head.	38° 00.8' S 145° 05.0' E	<b>Fl.R.</b> period 2s	39 12		3 Post.	
7604 K 2331.8	---E. side.	38° 00.7' S 145° 05.1' E	<b>Fl.G.</b> period 2s fl. 0.5s, ec. 1.5s	23 7		3	
7605 K 2332.3	--Beaumaris Bay.	37° 59.9' S 145° 01.8' E	<b>Fl.G.</b> period 5s	13 4		2 STARBOARD (A) G, beacon.	
	-South Channel:						
7605.1 K 2332.33	---Watkins Bay.	37° 59.9' S 145° 02.0' E	<b>Q.(6)W.+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
7605.2 K 2332.35	---Table Rock Point.	37° 59.9' S 145° 02.3' E	<b>V.Q.(6)W.+L.Fl.W.</b> period 10s			S. CARDINAL YB, beacon, topmark.	
7605.3 K 2332.4	----E. side.	37° 59.6' S 145° 02.6' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	
7605.4 K 2332.5	----NE. side.	37° 59.5' S 145° 02.8' E	<b>V.Q.(9)W.</b> period 10s			W. CARDINAL YBY, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
-East Side:							
7606 K 2332.6	--Boat ramp.	37° 59.4' S 145° 02.7' E	<b>Fl.W.</b> period 2s	33 10	5	Clubhouse roof.	
7608 K 2333	--Half Moon Bay, Black Rock, breakwater, head.	37° 58.0' S 145° 00.5' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	21 6	3	Column; 13.	Marks historic wreck. R. light on tower 1.5 miles ENE.
7609 K 2333.5	--Anonyma Shoal, W. side.	37° 57.4' S 144° 59.3' E	<b>V.Q.(9)W.</b> period 10s			W. CARDINAL YBY, beacon, topmark.	E. cardinal beacon Q.(3)W. 5s marks E. side of shoal.
7612 K 2334	--Picnic Point jetty, head.	37° 56.5' S 144° 59.6' E	<b>Fl.(2)G.</b> period 5s	16 5	4		Q.R. and Q.G. mark wave screen in Sandringham Harbor.
7616 K 2335	--Middle Brighton Pier, head.	37° 54.3' S 144° 58.8' E	<b>Fl.G.</b> period 5s				
7618 K 2233	--Symonds Channel, N. end.	38° 13.5' S 144° 48.6' E	<b>Q.R.</b>	30 9	8	PORT (A) R, pile, topmark.	
-West Channel:							
7620 K 2220	--Popes Eye Bank, No. 1, junction of S. and W. channels.	38° 16.6' S 144° 41.9' E	<b>Fl.W.R.</b> period 6s fl. 0.5s, ec. 5.5s	24 7	W. R.	7 5	Black beacon. R. 164°-034°, W.-164°.
7632 K 2222	--Channel, No. 2.	38° 15.6' S 144° 42.4' E	<b>Fl.(2)R.</b> period 4s	23 7	5	PORT (A) R, hut, topmark.	
7633 K 2221	---No. 3.	38° 16.0' S 144° 42.6' E	<b>Fl.(2)G.</b> period 4s	20 6	5	STARBOARD (A) G, pile, topmark.	
7634 K 2222.5	---No. 4.	38° 14.7' S 144° 43.0' E	<b>Fl.(2)R.</b> period 4s	16 5	5	PORT (A) R, pile, topmark.	
7636 K 2223	---No. 5.	38° 14.8' S 144° 43.2' E	<b>Fl.(2)G.</b> period 4s	23 7	5	STARBOARD (A) G, pile, topmark.	
7637 K 2226	---No. 6.	38° 13.9' S 144° 43.5' E	<b>Fl.(2)R.</b> period 4s	13 4	5	PORT (A) R, pile, topmark.	
7640 K 2226.5	---No. 7.	38° 14.0' S 144° 43.7' E	<b>Fl.(2)G.</b> period 4s	23 7	5	STARBOARD (A) G, pile, topmark.	
7642 K 2228	---No. 8.	38° 13.0' S 144° 44.0' E	<b>Fl.(2)R.</b> period 4s	23 7	5	PORT (A) R, pile, topmark.	
7644 K 2230	---No. 9.	38° 13.0' S 144° 44.4' E	<b>Fl.(2)G.</b> period 4s	23 7	5	STARBOARD (A) G, pile, topmark.	
7647 K 2231.5	---No. 13.	38° 12.0' S 144° 45.8' E	<b>Fl.(2)G.</b> period 4s			STARBOARD (A) G, pile, topmark.	
7652 K 2225	--Coles Channel.	38° 14.3' S 144° 42.3' E	<b>Fl.W.</b> period 4s	20 6	9	White hut on black piles; 16.	In line 195° with Monash. In line 225°53' with Shortland Bluff.
7656 K 2234	--St. Leonards, on jetty.	38° 10.3' S 144° 43.3' E	<b>Fl.G.</b> period 10s	20 6	4	Wooden post.	
7657 K 2234.5	--Prince George Bank, beacon No. 2.	38° 09.0' S 144° 44.4' E	<b>Fl.R.</b> period 3s	13 4	3	PORT (A) R, pile, topmark.	
7658 K 2235	--Beacon No. 4.	38° 07.7' S 144° 44.3' E	<b>Q.R.</b>	13 4	3	PORT (A) R, pile, topmark.	
7660 K 2236	--Prince George Shoal.	38° 06.4' S 144° 44.2' E	<b>Fl.R.</b> period 4s	23 7	8	Pile.	Six lighted special beacons mark shellfish cultivation area 2.2 miles W.
-RACON			<b>G(- - •)</b>				(3 & 10cm).
7662 K 2237	-Station Peak.	37° 57.1' S 144° 25.5' E	<b>Q.R.</b>	1148 350			

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<b>AUSTRALIA-SOUTH COAST</b>							
7664.1 K 2239	--Port Arlington, breakwater, head.	38° 06.6' S 144° 39.2' E	<b>Fl.G.</b> period 6s fl. 1s, ec. 5s	13 4	6		
7667 K 2240	--Clifton Springs, breakwater, head.	38° 09.3' S 144° 33.2' E	<b>Q.G.</b>				
--Point Richards Channel:							
7667.5 K 2241	--Entrance.	38° 05.0' S 144° 39.9' E	<b>Q.W.</b>	33 10	9	N. CARDINAL BY, beacon; 30.	<b>AIS</b> (MMSI No 995031042).
7668 K 2242	--No. 1.	38° 05.1' S 144° 38.6' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
<b>F.G.</b>							
7672 K 2242.2	--No. 2.	38° 05.1' S 144° 38.6' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7676 K 2242.4	--No. 3.	38° 05.2' S 144° 37.7' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
7680 K 2242.6	--No. 4.	38° 05.3' S 144° 37.7' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
7684 K 2242.8	--No. 5.	38° 05.4' S 144° 36.9' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
7688 K 2243	--No. 6.	38° 05.4' S 144° 36.9' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 16.	
7692 K 2243.2	--No. 7.	38° 05.6' S 144° 36.0' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
7693 K 2243.3	--No. 7A.	38° 06.0' S 144° 35.4' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	Iso.G. 4s and F.G. lights contained within a single light unit.
<b>F.G.</b>							
7696 K 2243.4	--No. 8.	38° 05.7' S 144° 36.1' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 16.	
7697 K 2243.5	--No. 8A.	38° 06.0' S 144° 35.5' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7700 K 2248	--No. 9.	38° 06.3' S 144° 34.8' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
7704 K 2249	--No. 10.	38° 06.4' S 144° 34.9' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
7708 K 2250	--No. 11.	38° 06.6' S 144° 34.3' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
7712 K 2251	--No. 12.	38° 06.7' S 144° 34.3' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	Shellfish Cultivation Area close SE. marked by six lit special beacons with topmarks.
7716 K 2252	--No. 13.	38° 07.2' S 144° 33.1' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	
7720 K 2253	--No. 14.	38° 07.3' S 144° 33.2' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
7724 K 2253.2	--No. 15.	38° 07.5' S 144° 32.6' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	Iso.G. 4s and F.G. lights contained within a single light unit.
<b>F.G.</b>							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7728 K 2253.4	--No. 16.	38° 07.6' S 144° 32.7' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7732 K 2254	--No. 17	38° 07.7' S 144° 32.0' E	<b>Q.G.</b>	33 10	5	STARBOARD (A) G, beacon; 30.	
7734 K 2254.5	--No. 18.	38° 07.9' S 144° 32.1' E	<b>Q.W.</b>	33 10	5	N. CARDINAL BY, beacon; 30.	
7736 K 2245	--Range, front, explosive pier, head.	38° 05.8' S 144° 32.3' E	<b>F.Bu.</b>	11 3		Triangular daymark point up.	Q.G. about 750 meters E. and about 1200 meters E.
7740 K 2245.1	--Rear, 212 meters 273°38' from front.	38° 05.8' S 144° 32.2' E	<b>F.Bu.</b>	23 7		Triangular daymark point down.	
-Geelong Harbor:							
7744 K 2255.4	--Wilson Spit Channel Beacon No. 2.	38° 07.8' S 144° 31.4' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7748 K 2255	---No. 1, N. side of channel.	38° 07.7' S 144° 31.4' E	<b>Iso.G.</b> period 5s	33 10	5	STARBOARD (A) G, beacon; 30.	
<b>F.G.</b>							
7752 K 2257	---No. 4, S. side of channel.	38° 07.6' S 144° 30.4' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	Channel marked by beacons no. 3, 5-16, Fl.R. and Fl.G.
7754 K 2270.15	--Point Henry Channel Entrance.	38° 07.2' S 144° 27.3' E	<b>Q.R.</b>	33 10	5	PORT (A) R, beacon; 30.	
7756 K 2270.6	--Point Henry Pier, head.	38° 07.6' S 144° 26.5' E	<b>F.R.</b>	20 6		Dolphin.	Lights are shown on south side of channel.
7760 K 2270	--Point Henry Pier Range, front.	38° 07.7' S 144° 26.2' E	<b>F.Bu.</b>	47 14		Neon rectangular daymark.	
7764 K 2270.1	---Rear, about 945 meters 234° from front.	38° 08.0' S 144° 25.6' E	<b>F.Bu.</b>	85 26		Neon rectangular daymark.	
7765 K 2270.7	--Point Henry, N. limit of channel Range, front.	38° 07.8' S 144° 26.3' E	<b>F.Bu.</b>	20 6		Yellow neon triangular daymark point up; 16.	Marks a line 2.8 meters off N. bank of channel.
7766 K 2270.71	---Rear, 159 meters 234° from front.	38° 07.8' S 144° 26.2' E	<b>F.Bu.</b>	23 7		Yellow neon triangular daymark point up.	
7767 K 2270.9	--Bird Rock.	38° 05.8' S 144° 26.3' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
7768 K 2272	--Hopetoun Channel Beacon No. 2.	38° 07.2' S 144° 26.8' E	<b>Iso.R.</b> period 4s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7772 K 2271	--No. 1, N. side of channel.	38° 07.1' S 144° 26.8' E	<b>Iso.G.</b> period 4s	33 10	5	STARBOARD (A) G, beacon; 30.	Channel marked by beacons.
<b>F.G.</b>							
7773 K 2281	--No. 11.	38° 07.5' S 144° 22.8' E	<b>Q.(6)+L.Fl.Bu.</b> period 15s	33 10	5	Black beacon, yellow top, on pile; 30.	
<b>F.Bu.</b>							
7774 K 2297.5	--Marina breakwater, E. end.	38° 08.6' S 144° 22.2' E	<b>F.G.</b>	13 4	1		
7775 K 2297.6	---W. end.	38° 08.7' S 144° 22.0' E	<b>F.R.</b>	13 4	1		
7776 K 2297	--E. wharf, head.	38° 09.0' S 144° 22.0' E	<b>F.R.</b>	18 5	2	Column.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7777 K 2296	--Yarra pier ruins.	38° 08.6' S 144° 22.0' E	<b>Q.W.</b>			N. CARDINAL BY, pile, topmark.	
7778 K 2295	--Range, front.	38° 08.6' S 144° 21.6' E	<b>F.Bu.</b>				Marks W. limit of dredged area.
7778.1 K 2295.1	---Rear, 60 meters 193°42' from front.	38° 08.7' S 144° 21.7' E	<b>F.Bu.</b>				
-Corio Bay:							
7788 K 2300	--No. 1.	38° 07.1' S 144° 22.2' E	<b>Iso.G.</b> period 3s	33 10	5	STARBOARD (A) G, beacon; 30.	
<b>F.G.</b>							
7792 K 2301	--No. 2.	38° 07.4' S 144° 21.9' E	<b>Iso.R.</b> period 3s	33 10	5	PORT (A) R, beacon; 30.	
7796 K 2302	--No. 3.	38° 06.8' S 144° 22.2' E	<b>Iso.G.</b> period 3s	33 10	5	STARBOARD (A) G, beacon; 30.	
<b>F.G.</b>							
7800 K 2303	--No. 4.	38° 07.0' S 144° 22.0' E	<b>Iso.R.</b> period 3s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7804 K 2311	--Bulk Wheat Pier, head.	38° 07.0' S 144° 22.0' E	<b>F.R.</b>	14 4		Dolphin.	
7808 K 2311.2	--65 meters from pier, head.	38° 06.8' S 144° 22.0' E	<b>F.R.</b>	42 13		Column, neon triangular daymark point down.	
7810 K 2311.22	--Off N. Pier.	38° 06.8' S 144° 22.1' E	<b>Fl.R.</b> period 2s			Dolphin.	F.R. on pier head 40 meters NW.
7811 K 2312.5	--Corio Quay Approach.	38° 06.6' S 144° 22.1' E	<b>Q.R.</b>	33 10	5	PORT (A) R, beacon; 30.	
7811.1 K 2312.55	---S. limit.	38° 06.5' S 144° 22.0' E	<b>Q.R.</b>	33 10	5	PORT (A) R, beacon; 30.	
7811.5 K 2312.6	---N. Limit.	38° 06.3' S 144° 22.5' E	<b>Q.(6)+L.Fl.Bu.</b> period 15s	33 10	5	Black beacon, yellow top; 30.	
7812 K 2304	--No. 5.	38° 06.2' S 144° 22.7' E	<b>Iso.G.</b> period 3s	33 10	5	STARBOARD (A) G, beacon; 30.	
<b>F.G.</b>							
7816 K 2305	--No. 6.	38° 06.2' S 144° 22.6' E	<b>Iso.R.</b> period 3s	33 10	5	PORT (A) R, beacon; 30.	
<b>F.R.</b>							
7820 K 2306	--No. 7.	38° 05.8' S 144° 23.2' E	<b>Iso.G.</b> period 3s	33 10	5	STARBOARD (A) G, beacon; 30.	
7824 K 2307	--No. 8.	38° 05.9' S 144° 22.8' E	<b>Iso.R.</b> period 3s	33 10	5	PORT (A) R, beacon; 30.	
7828 K 2308	--No. 9.	38° 05.4' S 144° 23.7' E	<b>Iso.G.</b> period 3s	33 10	5	STARBOARD (A) G, beacon; 30.	
7832 K 2309	--No. 10.	38° 05.5' S 144° 23.1' E	<b>Iso.R.</b> period 3s	33 10	5	PORT (A) R, beacon; 30.	
7836 K 2310	--No. 11.	38° 05.3' S 144° 23.5' E	<b>Iso.G.</b> period 3s	33 10	5	STARBOARD (A) G, beacon; 16.	
7840 K 2290	--Rippleside Pier.	38° 07.6' S 144° 21.6' E	<b>F.G.</b>	12 4	4	Post.	
7844 K 2314	--N. Wharf, E. end.	38° 06.4' S 144° 22.1' E	<b>F.R.</b>		2		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7848 K 2313	--N. Wharf, elbow.	38° 06.0' S 144° 22.0' E	<b>F.R.</b>				
7856 K 2316	--Refinery Pier, E. head.	38° 05.4' S 144° 23.4' E	<b>F.R.</b>	21	6	2 Post.	
7860 K 2316.2	---W. head.	38° 05.4' S 144° 23.2' E	<b>2 F.R.</b> (vert.)	20	6		F.G. (occasional) range lights in line 315° about 360 yards 322°.
7862 K 2317.71	--Limeburners Creek.	38° 04.6' S 144° 23.9' E	<b>Fl.(3)G.</b> period 8s			STARBOARD (A) G, pile, topmark.	Channel is marked by R. and G. lighted beacons.
	-Werribee River:						
7868 K 2422	--SE. of N. entrance.	37° 58.7' S 144° 41.7' E	<b>Fl.G.</b> period 5s			STARBOARD (A) G, beacon, topmark.	Tide signal.
7872 K 2420	--Range, front.	37° 58.4' S 144° 41.2' E	<b>F.Bu.</b>	16	5	4 Post, white triangular daymark, point up.	
7876 K 2420.1	--Rear, 168 meters 309°26' from front.	37° 58.3' S 144° 41.1' E	<b>F.Bu.</b>	23	7	4 Post, white triangular daymark, point down.	
7878 K 2418.9	-Explosives Anchorage.	37° 57.0' S 144° 51.4' E	<b>Fl.(4)Y.</b> period 12s	33	10	3 SPECIAL Y, pile, "X" topmark.	
7879 K 2418.8	-Point Cook.	37° 55.6' S 144° 48.9' E	<b>Q.(3)W.</b> period 10s	23	7	3 E. CARDINAL BYB, beacon, topmark.	
7880 K 2419	--Air Force Station.	37° 55.9' S 144° 45.0' E	<b>2 F.R.</b> (vert.)	102	31		
7884 K 2418	-Trugania, Laverton Jetty.	37° 52.4' S 144° 49.8' E	<b>Fl.G.</b> period 5s	21	6	5 Column; 14.	
7884.5 K 2417.73	-Altona Boat Harbor.	37° 52.0' S 144° 51.0' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	
7885.4 K 2417.2	--No. 1.	37° 51.8' S 144° 52.1' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon.	
7885.5 K 2417.32	--P3.	37° 53.4' S 144° 52.9' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon, topmark.	
7886 K 2338.22	-Gellibrand Shoal.	37° 52.6' S 144° 54.9' E	<b>Q.(3)W.</b> period 10s	16	5	5 E. CARDINAL BYB, beacon, topmark.	
			<b>F.Bu.</b>				
	-Port Melbourne:						
7888 K 2337	-- <b>Fawkner Beacon.</b>	37° 56.9' S 144° 55.6' E	<b>Fl.W.</b> period 5s	56	17	17 White round tower, red bands, on piles.	Reserve light range 10M.
	--RACON		<b>F(• - •)</b>				(3 & 10cm).
7889 K 2337.2	--Port Melbourne Channel, No. 1.	37° 55.6' S 144° 55.7' E	<b>Fl.(2)G.</b> period 4s	23	7	5 Beacon, triangular topmark point up.	
7889.2 K 2337.3	---No. 3.	37° 55.1' S 144° 55.7' E	<b>Fl.(2)G.</b> period 4s	23	7	5 Beacon, triangular topmark point up.	
7889.5 K 2337.6	---No. 6.	37° 54.5' S 144° 55.6' E	<b>F.R.</b> period 2s	23	7	5 Beacon, square topmark.	
7889.7 K 2338.18	---No. 7.	37° 53.8' S 144° 55.7' E	<b>Fl.(2)G.</b> period 4s	23	7	5 Beacon, triangular topmark point up.	<b>Radar reflector.</b>
7889.8 K 2338.17	---No. 8.	37° 53.9' S 144° 55.6' E	<b>Fl.(2)R.</b> period 4s	23	7	5 Beacon, square topmark.	<b>Radar reflector.</b>
7890 K 2338.2	---No. 9.	37° 53.2' S 144° 55.7' E	<b>Fl.(2)G.</b> period 4s	23	7	5 Beacon, triangular topmark point up.	
7890.2 K 2338.19	---No. 10.	37° 53.2' S 144° 55.6' E	<b>Fl.(2)R.</b> period 4s	23	7	5 Beacon, square topmark.	<b>Radar reflector.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7890.4 K 2338.3	---No. 11.	37° 52.7' S 144° 55.8' E	<b>Fl.(2)G.</b> period 4s		5	STARBOARD (A) G, beacon, topmark.	
7890.6 K 2338.24	---No. 12.	37° 52.7' S 144° 55.6' E	<b>Q.R.</b>	39 12	5	PORT (A) R, beacon, topmark.	<b>Radar reflector.</b>
7891 K 2338.25	---No. 14.	37° 52.5' S 144° 55.6' E	<b>Fl.(2)R.</b> period 4s	23 7		PORT (A) R, beacon.	
7895 K 2338	--Port Melbourne Channel Range, front.	37° 50.5' S 144° 55.8' E	<b>F.Bu.</b>	30 9	8		
7896 K 2338.1	---Rear, 001°30' from front.	37° 50.2' S 144° 55.8' E	<b>Fl.W.</b> period 5s	78 24	20	White concrete tower; 85.	Visible 359°30'-003°30'.
			<b>Dir.Iso.W.R.G.</b> period 3s	70 21	15	Same structure.	G. 001°06'-001°24', W.- 001°36', R.-001°54'. Shown 24 hours.
			<b>F.Bu.</b>	59 18	8		
7900 K 2339.4	--Prince's Pier, head.	37° 50.7' S 144° 55.5' E	<b>V.Q.(4)Y.</b> period 4s				F.G. marks S. end of Lagoon Pier, F.R. marks head of Kerford Pier, 2 F.W. (vert.) marks Station Pier head, F.G. shown from inner arm.
7904 K 2361	--Williamstown Channel Range, front.	37° 50.3' S 144° 54.2' E	<b>F.Bu.</b>	36 11	8	Post, orange triangular daymark point up; 33.	Visible 324°45'-344°45'.
7908 K 2361.1	---Rear, 480 meters 324°45' from front.	37° 50.1' S 144° 54.1' E	<b>F.Bu.</b>	30 9	8	Post, orange triangular daymark point down; 26.	Visible 324°45'-344°45'.
7919 K 2340.1	--Jetty, head.	37° 51.1' S 144° 57.0' E	<b>Fl.G.</b> period 10s				
7920 K 2340.2	--St. Kilda, breakwater, head.	37° 51.6' S 144° 57.7' E	<b>Fl.G.</b> period 5s	20 6	3	Beacon.	F.R. on jetty 0.8 miles NW.
	-Williamstown:						
7924 K 2346	--Dock Pier, head.	37° 51.7' S 144° 54.8' E	<b>2 F.R.</b> (horiz.)				
7924.5 K 2343.5	--Alfred Graving Dock Pier.	37° 51.7' S 144° 54.8' E	<b>2 F.R.</b> (horiz.)		75 23		
7925 K 2347	--Nelson Pier W., head.	37° 51.6' S 144° 54.8' E	<b>F.W.</b>				
7926 K 2348	--Reid Street Pier, head.	37° 51.6' S 144° 54.7' E	<b>Q.W.</b>	23 7	2	Column.	
7927 K 2349	--Ann Street Pier, head.	37° 51.6' S 144° 54.6' E	<b>F.G.</b>	26 8		Column.	
7928 K 2350	--Workshops Jetty, head.	37° 51.6' S 144° 54.5' E	<b>F.W.</b>	23 7			
7929 K 2351	--Gem Pier, head.	37° 51.6' S 144° 54.4' E	<b>F.R.</b> (neon)	23 7	2	Post.	
7930 K 2352	--Ferguson Street Pier.	37° 51.6' S 144° 54.3' E	<b>F.G.</b>				
7932 K 2343	--Breakwater Pier, head.	37° 51.9' S 144° 55.1' E	<b>Fl.R.</b> period 2s fl. 0.5s, ec. 1.5s	18 5	10		Tide signal.
7937 K 2338.4	--Williamstown Channel, No. 15.	37° 52.1' S 144° 55.6' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
7938 K 2338.26	---No. 16.	37° 52.3' S 144° 55.5' E	<b>Fl.R.</b> period 5s	23 7		PORT (A) R, beacon.	
7940 K 2341	---No. 17.	37° 51.8' S 144° 55.3' E	<b>Fl.G.</b> period 5s	20 6	2	STARBOARD (A) G, beacon.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
7944 K 2353	---No. 17A.	37° 51.5' S 144° 55.2' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	14 4	2	STARBOARD (A) G, beacon.	
7948 K 2353.4	---No. 19A.	37° 51.5' S 144° 55.1' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	23 7	2	STARBOARD (A) G, beacon.	
7952 K 2354	---No. 19.	37° 51.5' S 144° 55.0' E	<b>Fl.G.</b> period 2s fl. 0.5s, ec. 1.5s	23 7	2	STARBOARD (A) G, beacon.	
7956 K 2356	---SW. side of dredged channel, No. 22.	37° 51.3' S 144° 54.6' E	<b>Fl.R.</b> period 5s	30 9	2	PORT (A) R, beacon.	
7960 K 2354.4	---No. 20.	37° 51.5' S 144° 54.8' E	<b>Fl.R.</b> period 2s fl. 0.5s, ec. 1.5s	23 7	2	PORT (A) R, beacon; 23.	
7964 K 2355	---No. 21.	37° 51.2' S 144° 54.8' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	22 7	2	STARBOARD (A) G, beacon.	
	-Yarra River:						
7968 K 2357	--NE. side of river entrance, No. 23.	37° 51.0' S 144° 54.5' E	<b>Iso.G.</b> period 4s  <b>Fl.G.</b>	26 8	2	STARBOARD (A) G, beacon, topmark.  Neon triangular daymark.	
7972 K 2344	--Webb Dock.	37° 50.8' S 144° 54.3' E	<b>Dir.V.Q.W.R.G.</b>	33 10	5		G. 322°38'-323°20', W.- 325°35', R.-326°59'. Shown 24 hours.
7974 K 2401.6	-No. 42.	37° 49.4' S 144° 54.2' E	<b>Fl.R.</b>			Red beacon.	
7976 K 2404	-No. 45 Range, front.	37° 49.4' S 144° 54.5' E	<b>Fl.G.</b>  <b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon.	
7980 K 2404.1	--Rear, 87 meters 146°30' from front.	37° 49.4' S 144° 54.5' E	<b>Fl.R.</b>				
7984 K 2182	<b>Eagle Nest Point (Split Point).</b>	38° 28.1' S 144° 06.3' E	<b>Fl.(4)W.R.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	218 66	W. 20 R. 16	White concrete tower; 110.	R. 233°-249°, W.-039°, R.- 048°, obscured elsewhere.
7988 K 2180	Lorne, Loutit Bay, jetty, head.	38° 32.8' S 143° 59.4' E	<b>Fl.R.G.</b> period 5s fl. 1s, ec. 4s	25 8	6	Wooden mast; 13.	G. 158°24'-275°, R.-032°.
7992 K 2176	Apollo Bay Range, front.	38° 43.6' S 143° 42.4' E	<b>Fl.W.R.</b> period 3s	111 34	5	White mast on pyramid; 13.	W. 257°-354°, R.-009°, W.- 020°, R.-257°.
7996 K 2176.1	-Rear, 0.58 mile 017°50' from front.	38° 43.0' S 143° 42.7' E	<b>Fl.G.</b>	374 114	12	Neon triangular daymark point down.	
	APOLLO BAY:						
8000 K 2177	-E. breakwater, head.	38° 45.4' S 143° 40.7' E	<b>Iso.W.</b> period 2s	26 8	7	Column; 13.	
8004 K 2177.5	-Range, front.	38° 46.0' S 143° 40.0' E	<b>Fl.G.</b>	29 9	2	Post, vertical strip light; 10.	
8008 K 2177.51	--Rear, 211°31' from front.	38° 45.7' S 143° 40.4' E	<b>Fl.G.</b>	41 12	2	Post, vertical strip light; 10.	
8012 K 2172	<b>Cape Otway.</b>	38° 51.4' S 143° 30.7' E	<b>Fl.W.R.</b> period 10s fl. 0.1s, ec. 9.9s	239 73	W. 19 R. 15	White fiberglass hut; 7.	W. 257°-109°, R.-140°.



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
WARRAMBOOL HARBOR:							
8016 K 2158	-Lady Bay Range, front.	38° 23.4' S 142° 29.1' E	<b>Iso.Bu.</b> period 2s	87 27	5	White stone tower; 16.	
8020 K 2158.1	--Rear, 130 meters 009° from front.	38° 23.4' S 142° 29.1' E	<b>Iso.Bu.</b> period 6s	109 33	5	White stone structure; 16.	
8024 K 2162	-Breakwater, head.	38° 24.1' S 142° 28.8' E	<b>Fl.R.G.</b> period 3s fl. 0.5s, ec. 2.5s	26 8	2	Metal column; 26.	G. 160°-340°, R.-056°.
PORT FAIRY:							
8028 K 2146	-Griffith Island, E. point.	38° 23.5' S 142° 15.3' E	<b>Fl.(2)W.</b> period 10s	41 12	4	White round stone tower; 36.	Visible 170°-069°.
-Moyno River:							
8032 K 2150	--S. mole, head.	38° 23.3' S 142° 15.1' E	<b>Fl.W.R.</b> period 3s	20 6	W. 3 R. 1	Iron column; 15.	W. 028°30'-208°30', R.-316°.
8034 K 2151	--N. mole, head.	38° 23.3' S 142° 15.0' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	15 5	1	Metal column; 16.	
8036 K 2152	-Martins Point.	38° 23.4' S 142° 14.6' E	<b>F.R.</b>	18 5	3	Metal column; 13.	
PORTLAND BAY:							
8048 K 2138	<b>-Whaler Point.</b>	38° 20.2' S 141° 36.5' E	<b>Fl.(3)W.R.</b> period 30s fl. 1s, ec. 3.5s fl. 1s, ec. 3.5s fl. 1s, ec. 20s	135 41	15	White stone tower; 39.	W. 236°-297°, R.-317°, obscured elsewhere.
8052 K 2139	-Main breakwater, head.	38° 20.7' S 141° 37.5' E	<b>Q.R.</b>	72 22	5	Round concrete tower, green diagonal stripes.	
8056 K 2140	-Lee breakwater, head.	38° 20.7' S 141° 37.2' E	<b>Fl.G.</b> period 4s fl. 1s, ec. 3s	43 13	2		
8058 K 2141	-W.	38° 21.2' S 141° 37.1' E	<b>F.W.G.</b>	138 42	5	On building.	G. 181°54'-197°48', W.-201°54'.
8058.1 K 2141.2	-E.	38° 21.2' S 141° 37.1' E	<b>F.W.R.</b>	138 42	5	On building.	W. 193°42'-197°48', R.-213°42'.
8060 K 2142	-Marina Pier, head.	38° 20.9' S 141° 36.7' E	<b>Iso.R.</b> period 2s	21 6	5	Mast; 13.	
8064 K 2136	<b>Cape Nelson.</b>	38° 25.8' S 141° 32.6' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 11.8s	246 75	20	White stone tower with lantern, red cupola; 105.	Visible 253°-107°.
8068 K 2133	Port MacDonnell Range, front.	38° 03.4' S 140° 42.4' E	<b>F.Bu.</b>	40 12	8	Mast, triangular daymark point up.	
8072 K 2133.1	-Rear, 239 meters 306°56' from front.	38° 03.1' S 140° 42.2' E	<b>F.Bu.</b>	72 22	8	Water tower, triangular daymark point down.	
8074 K 2134	-Breakwater, head.	38° 03.7' S 140° 42.0' E	<b>Fl.R.</b> period 3s	33 10	4		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8076 K 2132	<b>Cape Northumberland.</b>	38° 03.3' S 140° 40.0' E	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	147 45	20	White masonry tower with white lantern, red band; 56.	
			<b>Fl.R.</b> period 10s fl. 2s, ec. 8s	138 42	14		Visible 277°-280°.
8080 K 2130	<b>Cape Banks.</b>	37° 53.8' S 140° 22.6' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 6.5s	83 25	18	Orange round stone tower with white lantern; 46.	F.W. on radio tower 015°, 18.2 miles.
8084 K 2129	Cape Buffon, NW. extremity.	37° 34.0' S 140° 06.5' E	<b>Fl.W.R.</b> period 2.5s	50 15	W. 8 R. 3	White metal column; 7.	W. 059°-079°, R.-089°, W.-111°, R.-059°.
8088 K 2129.4	-Jetty, head.	37° 35.0' S 140° 07.0' E	<b>Fl.W.</b> period 1.5s	23 7	5		
8092 K 2126	<b>Cape Martin.</b>	37° 29.4' S 140° 00.8' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	126 38	16	White square concrete tower with lantern; 49.	
8096 K 2128	Beachport Jetty, Rivoli Bay.	37° 30.0' S 140° 01.0' E	<b>Fl.W.R.</b> period 4s	25 8	W. 6 R. 4	Round metal tower.	R. 193°-001°, W.-013°, obscured elsewhere.
8100 K 2122.8	<b>Robe.</b>	37° 09.9' S 139° 44.7' E	<b>Fl.(3)W.</b> period 10s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 1.6s fl. 0.1s, ec. 6.5s	208 63	20	White concrete tower with lantern; 62.	Visible 323°-242°. Unintensified 189°-242°.
8104 K 2123	Cape Dombey.	37° 09.0' S 139° 45.0' E	<b>Fl.W.</b> period 2s		8		Visible 036°-306°.
8108 K 2124	Robe, on Cape Dombey.	37° 10.0' S 139° 46.0' E	<b>Fl.W.R.</b> period 4s		7	Red triangular topmark point up.	R. 121°-141°, W.-151°, R.-241°.
8112 K 2122.1	Margaret Brock Reef.	36° 57.1' S 139° 35.7' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	56 17	10	White fiberglass hut with platform, on white pile; 43.	<b>Radar reflector.</b>
8116 K 2121	-Jetty, head.	36° 56.0' S 139° 41.0' E	<b>Fl.W.</b> period 1.5s	21 6	5		
8120 K 2120	Lacepede Bay, jetty, head.	36° 49.5' S 139° 50.8' E	<b>Fl.W.R.</b> period 3s fl. 0.3s, ec. 2.7s	35 11	10	Round metal tower.	R. 126°12'-132°12' (over ruins of outer end of jetty), W. 132°12'-126°12'.
8124 K 2118	Murray River, Mundoo Island, inside mouth of river.	35° 33.0' S 138° 54.0' E	<b>Fl.W.</b> period 7.5s	25 8	5	Column on piles.	
8128 K 2116	Victor Harbor, E. end of Granite Island.	35° 33.8' S 138° 38.1' E	<b>Fl.W.R.</b> period 4s	125 38	W. 8 R. 6	Round tower.	W. 360°-310°, R.-360°.
8132 K 2117	-Jetty, head.	35° 33.8' S 138° 38.1' E	<b>Q.W.R.</b>	29 9	3		W. 088°-260°, R.-310°.
<b>KANGAROO ISLAND:</b>							
8136 K 2112	-Cape Willoughby.	35° 50.6' S 138° 08.0' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	246 75	11	White round stone tower with lantern; 85.	Visible 171°-050°. Reserve light range 19M.
8144 K 2012	-Point Ellen.	35° 59.8' S 137° 11.1' E	<b>Fl.W.</b> period 4s	40 12	5		
8148 K 2010	<b>-Cape du Couedic.</b>	36° 03.5' S 136° 42.2' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	339 103	15	Round masonry tower, red dome with white lantern; 82.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8152 K 2008	<b>-Cape Borda.</b>	35° 45.2' S 136° 35.6' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 2.6s fl. 0.1s, ec. 11.8s	510 155	21	White square stone tower with lantern; 33.	Visible 039°-241°.
8156 K 2093	-Emu Bay, jetty.	35° 35.5' S 137° 30.4' E	<b>Fl.W.R.</b> period 4s	26 8	8		W. 164°-247°, R.-164°.
8160 K 2094	<b>-Point Marsden.</b>	35° 34.1' S 137° 37.2' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	279 85	17	Red beacon on white fiberglass hut.	Visible 094°-348°.
8164 K 2096	-On edge of shoal E. of Beatrice Island.	35° 38.4' S 137° 41.7' E	<b>Fl.W.R.</b> period 4s	23 7	W. 8 R. 5	Green beacon, green triangular daymark point up.	W. 147°-339°, R.-005°, obscured elsewhere.
8168 K 2097	-Beacon, about 4.1 km 107°30' from Kingscote Jetty Light.	35° 40.0' S 137° 41.2' E	<b>Fl.W.R.</b> period 2s	13 4	W. 8 R. 6	Pile beacon.	W. 210°-110°, R.-210°.
8172 K 2098	-Kingscote Jetty, head.	35° 39.3' S 137° 38.8' E	<b>Q.W.</b>		9		
8188 K 2095	-Kingscote AVIATION LIGHT.	35° 42.5' S 137° 30.9' E	<b>Fl.W.</b> period 6s				Occasional.
8196 K 2104	-American River Approach.	35° 46.7' S 137° 47.9' E	<b>Fl.W.</b> period 4s		9	Pile, red square daymark.	
	-Backstairs Passage:						
8200 K 2106	--Hog Bay.	35° 43.0' S 137° 56.7' E	<b>Fl.G.</b> period 2s fl. 0.2s, ec. 1.8s	39 12	5	Metal column.	Visible 095°-275°.
8208 K 2110	--Cape St. Alban.	35° 48.2' S 138° 07.5' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	156 48	14	White masonry tower with lantern; 30.	Visible 118°-005° (until obscured by Cape Willoughby), obscured elsewhere.
8212 K 2114	<b>South Page.</b>	35° 46.6' S 138° 17.5' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	89 27	19	Metal framework tower on white fiberglass hut; 23.	
			<b>Iso.R.</b> period 2s	85 26	10		Visible 105°-120° over Yatala Shoal.
	RACON		<b>O(---)</b>		11		(3 & 10cm).
GULF ST. VINCENT:							
8216 K 2092	<b>-Cape Jervis.</b>	35° 36.2' S 138° 05.7' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	75 23	16	White concrete tower white lantern; 59.	Visible 000°-207°.
8220 K 2092.4	--Boat Harbor Jetty, head.	35° 37.0' S 138° 06.0' E	<b>Fl.W.R.</b> period 2s	18 5	5		R. 345°-029°, W.-065°, R.-216°.
8223 K 2091.1	-Wirrina Cove Range, front.	35° 30.1' S 138° 14.4' E	<b>F.Bu.</b>		3		
8223.1 K 2091.13	--Rear, 50 meters 181°24' from front.	35° 30.1' S 138° 14.4' E	<b>F.Bu.</b>		3		
8226 K 2089.4	-O'Sullivan Beach Boat harbor, W. side.	35° 07.1' S 138° 28.0' E	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s		2		
8226.1 K 2089.5	--E. side.	35° 07.2' S 138° 27.9' E	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s		2		

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<b>AUSTRALIA-SOUTH COAST</b>							
PORT STANVAC:							
8228 K 2088	-Oil Jetty.	35° 06.4' S 138° 27.9' E	<b>F.W.G.</b>				G. 000°-180°, W.-000°.
8244 K 2087	<b>-Marino Rocks.</b>	35° 03.2' S 138° 30.7' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	420 128	20	White concrete tower with lantern; 49.	
GLENELG:							
8248 K 2083.2	-S. end of breakwater ruins, off Glenelg.	34° 58.8' S 138° 30.2' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
8252 K 2083	-N. end of breakwater ruins, off Glenelg.	34° 58.7' S 138° 30.2' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	2 FR. on towers 10.2M E. and 7.5M S.
8256 K 2084	-Glenelg, S. breakwater.	34° 58.5' S 138° 30.6' E	<b>Fl.G.</b> period 2s	13 4	3	STARBOARD (A) G, beacon, topmark.	
8260 K 2081	--AVIATION LIGHT.	34° 56.8' S 138° 31.5' E	<b>Al.Fl.W.G.</b> period 3.5s	50 15	27		Occasional.
8264 K 2078	-Grange Point, intake.	34° 53.8' S 138° 28.9' E	<b>Fl.(2)W.</b> period 6s	22 7	7	Beacon.	Marks seaward extremity of water intake structure.
8268 K 2056.4	North Haven, S. breakwater, head.	34° 47.7' S 138° 28.9' E	<b>Fl.G.</b> period 2s		5		
8270 K 2056.6	-N. breakwater, head.	34° 47.7' S 138° 28.9' E	<b>Fl.R.</b> period 2s		5		
PORT ADELAIDE:							
8272 K 2055.01	-Entrance beacon.	34° 46.8' S 138° 22.5' E	<b>Q.W.</b>		10	Beacon, square daymark.	
8274 K 2055.2	--Channel beacon No. 7.	34° 47.3' S 138° 25.2' E	<b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon, topmark.	
8276 K 2055.6	---No. 11.	34° 47.6' S 138° 26.6' E	<b>Fl.G.</b> period 2s			Beacon, orange triangular daymark point up.	
	-No. 2 Outward Range, front.		<b>F.Bu.</b>				Visible 250°42'-264°42'.
8280 K 2055.61	--Rear, 600 meters 257°42' from front.	34° 47.6' S 138° 26.3' E	<b>Fl.W.</b> period 4s			Beacon, triangular daymark point down.	Visible 250°42'-264°42'.
			<b>F.Bu.</b>				Visible 250°42'-264°42'.
8284 K 2055.8	-No. 13.	34° 47.6' S 138° 26.9' E	<b>Fl.G.</b> period 2s			Beacon, orange triangular daymark point up.	
	-No. 1 Inward Range, front, 281°18' from common rear.		<b>F.Bu.</b>				Visible 094°18'-108°18'.
8286 K 2055.82	---No. 15.	34° 47.5' S 138° 27.4' E	<b>Fl.G.</b> period 2s			Beacon, orange triangular daymark point up.	
	-No. 3 Outward Range, front, 060°24' from common rear.		<b>F.Bu.</b>				Visible 233°24'-247°24'.
8288 K 2055.81	---No. 7.	34° 47.6' S 138° 27.2' E	<b>Fl.W.</b> period 4s				
	--No. 1 Inward and No. 3 Outward common rear.		<b>F.Bu.</b>			Beacon, orange triangular daymark point down.	Visible 094°18'-108°18' and 233°24'-247°24'.
8298 K 2056.2	-No. 4.	34° 47.3' S 138° 27.7' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	

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<b>AUSTRALIA-SOUTH COAST</b>							
8300 K 2057	-No. 2 Inward Range, front.  -Southern revetment mound.	34° 47.3' S 138° 28.0' E	<b>F.Bu.</b>		23 7	Beacon, orange triangular daymark point up.	Visible 070°42'-084°42'.
			<b>Q.W.</b>		16 5		
8302 K 2059.4	---No. 17.  --Outward Range, front.	34° 47.1' S 138° 28.5' E	<b>Fl.G.</b> period 2s		16 5	Beacon, orange triangular daymark point up.	
			<b>F.Bu.</b>		16 5		Visible 203°-217°.
8304 K 2057.1	--No. 2 Inward rear, 664 meters 077°42' from front.	34° 47.3' S 138° 28.4' E	<b>F.Bu.</b>		49 15	Beacon, orange triangular daymark point down.	Visible 070°42'-084°42'.
	--Outward rear, 390 meters 210° from front.		<b>F.Bu.</b>		30 9		Visible 203°-217°.
8308 K 2058.5	-NW. Revetment Mound, head.	34° 47.0' S 138° 28.2' E	<b>Q.R.</b>				
8312 K 2058.3	-Channel beacon No. 6.	34° 47.0' S 138° 28.3' E	<b>Fl.R.</b> period 2s		20 6	PORT (A) R, beacon, topmark.	
8316 K 2058	-No. 3 Inward Range, front.	34° 46.9' S 138° 28.8' E	<b>F.Bu.</b>		30 9	Beacon, orange triangular daymark point up.	F.W. by day.
8320 K 2058.1	--Rear, 256 meters 060°24' from front.	34° 46.8' S 138° 28.9' E	<b>F.Bu.</b>		36 11	Beacon, orange triangular daymark point down.	F.W. by day.
8324 K 2059.6	-Channel beacon No. 18A.	34° 46.2' S 138° 29.0' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8325 K 2059.61	--No. 18B.	34° 46.1' S 138° 29.0' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8328 K 2059.7	--No. 18C.	34° 46.0' S 138° 29.1' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	
8332 K 2059	-No. 4 Inward Range, front.	34° 45.9' S 138° 29.3' E	<b>F.Bu.</b>		16 5	Beacon, orange triangular daymark point up.	Visible 023°-037°.
8336 K 2059.1	--Rear, 655 meters 029°59' from front.	34° 45.6' S 138° 29.6' E	<b>F.Bu.</b>		26 8	Beacon, orange triangular daymark point down.	Visible 023°-037°.
8337 K 2061.69	-Container Berth Range, front.	34° 45.9' S 138° 29.8' E	<b>Iso.W.</b> period 4s			Beacon.	
8337.1 K 2061.7	--Rear, 565 meters 050°36' from front.	34° 45.8' S 138° 29.9' E	<b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon, topmark.	
8338 K 2059.8	-Channel beacon No. 20.	34° 45.9' S 138° 29.4' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8338.5 K 2061.4	--No. 22.	34° 45.8' S 138° 29.6' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8339 K 2061	--No. 21.	34° 45.9' S 138° 29.7' E	<b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon, topmark.	
8339.5 K 2062.5	--No. 26.	34° 45.6' S 138° 30.3' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8340 K 2052	--Barker Reach.	34° 47.2' S 138° 32.6' E	<b>Fl.G.</b> period 4s			Beacon, black diamond daymark, white bands.	
8341 K 2057.3	-Barker Inlet.	34° 45.1' S 138° 31.0' E	<b>Fl.W.R.</b> period 2s		28 9	6 Beacon.	R. 070°-106°, W.-335°, obsc.- 070°.
8342 K 2051	-Point Grey, No. 1R.	34° 45.0' S 138° 31.2' E	<b>V.Q.(6)+L.Fl.W.</b> period 10s		30 9	6 S. CARDINAL YB, beacon, topmark.	
8344 K 2050	-About 7.3 km 165° from Port Gawler Wharf.	34° 44.1' S 138° 27.9' E	<b>Fl.</b> period 5s		5	Beacon.	
8348.5 K 2048.5	-Long Spit.	34° 35.9' S 138° 05.5' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 2s fl. 0.5s, ec. 7s		30 9	10 White fiberglass hut, on white pile with platform.	<b>Radar reflector.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8350 K 2045	-Port Wakefield Range, front.	34° 11.3' S 138° 08.7' E	<b>F.G.</b>				
8350.5 K 2045.1	--Rear, 45 meters 025° from front.	34° 11.2' S 138° 08.8' E	<b>F.R.</b>				
8351 K 2044.1	-Sandy Point.	34° 16.3' S 138° 09.9' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon, "X" topmark.	Prohibited area marked by numerous lighted Special beacons close SSE.
8352 K 2044	-Bird Bank.	34° 16.4' S 138° 01.4' E	<b>Fl.W.</b> period 2.4s	11 3	8	Pile.	
8355 K 2041	Ardrossan.	34° 26.1' S 137° 55.9' E	<b>Q.W.</b>	16 5	5	Beacon.	
8356 K 2042	-Jetty, head.	34° 25.5' S 137° 55.5' E	<b>F.W.</b>	15 5	5	Iron column.	
8357 K 2039	-Loading Jetty Range, front.	34° 26.5' S 137° 54.9' E	<b>F.R.</b>				
8358 K 2039.1	--Rear, 580 meters 247°24' from front.	34° 26.6' S 137° 54.5' E	<b>F.R.</b>				
8359 K 2040	-Boat Ramp Range, front.	34° 26.1' S 137° 55.0' E	<b>F.Bu.</b>				
8360 K 2040.1	--Rear, 50 meters 292°04' from front.	34° 26.1' S 137° 55.0' E	<b>F.Bu.</b>				
PORT VINCENT:							
8368 K 2034	--Middle Spit.	34° 45.3' S 137° 54.2' E	<b>Fl.W.</b> period 2s	20 6	8	Square tower, on piles.	
8370 K 2030	--Orontes Bank.	34° 45.4' S 138° 00.5' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	10	White fiberglass hut, on wooden pile tripod; 36.	<b>Radar reflector.</b>
8372 K 2036	--Range, front.	34° 46.7' S 137° 51.7' E	<b>F.Bu.</b>	15 5	6		
8376 K 2036.1	---Rear, 53 meters 206° from front.	34° 46.7' S 137° 51.7' E	<b>F.Bu.</b>	23 7		Wooden mast.	
8384 K 2028	--Breakwater, head.	34° 54.2' S 137° 47.9' E	<b>Fl.R.</b> period 2s		4		
8388 K 2025.4	-Giles Point, jetty.	35° 01.3' S 137° 46.1' E	<b>Fl.W.</b> period 3s	60 18	10		
8392 K 2025	--Off Giles Point.	35° 01.0' S 137° 52.1' E	<b>Fl.W.R.</b> period 4s	15 5	W. 10 R. 6		R. 122°-246°, W.-122°.
8396 K 2025.3	-Tapley Shoal, N. end.	35° 01.6' S 137° 55.2' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	36 11	9	White fiberglass hut, on pile structure; 33.	<b>Radar reflector.</b>
8400 K 2024	-Edithburgh jetty.	35° 05.1' S 137° 45.0' E	<b>Fl.W.R.</b> period 1.5s	24 7	9	Iron column.	R. 196°-224°, W.-337°.
INVESTIGATOR STRAIT:							
8404.5 K 2023	-Marion Reef.	35° 09.2' S 137° 49.0' E	<b>Fl.W.</b> period 7.5s fl. 1s, ec. 6.5s	39 12	10	White fiberglass hut, on white pile with platform.	<b>Radar reflector.</b>

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<b>AUSTRALIA-SOUTH COAST</b>							
8406 K 2020	-Troubridge Hill.	35° 10.0' S 137° 38.4' E	<b>Fl.(3)W.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	203 62	19	Red brick tower with lantern; 108.	Reserve light range 11M.
	-RACON		<b>K(- • -)</b>		21		(3 & 10cm).
8408 K 2000	-Althorpe Islands Range, front.	35° 22.1' S 136° 51.5' E	<b>Oc.W.R.G.</b> period 14s lt. 11s, ec. 3s	282 86	W. 12 R. 9 G. 9	White brick hut; 7.	R. 116°-154°, W.-160°, G.- 189°, W.-296°.
8412 K 2000.1	--Rear, 390 meters 157° from front.	35° 22.3' S 136° 51.6' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	351 107	19	White round stone tower with lantern; 66.	
SPENCER GULF:							
8416 K 2003	-Cape Spencer.	35° 18.0' S 136° 53.0' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	256 78	16	Square white tower with lantern; 30.	Visible 256°-122°.
			<b>F.R.</b>	256 78	11		Visible 065°-095°.
8420 K 2002	-West Cape.	35° 14.7' S 136° 49.4' E	<b>Fl.(2)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	220 67	12	Round metal tower with white lantern; 30.	Visible 333°-195°.
8424 K 2001	-Pondolowie Bay.	35° 14.0' S 136° 50.0' E	<b>Fl.W.R.</b> period 3s	60 18	5		R. 016°-067°, W.-151°, R.- 227°.
8428 K 1870	-Wedge Island.	35° 10.4' S 136° 29.2' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	676 206	17	Square gray concrete tower with white lantern; 20.	
8432 K 1996	-Corny Point.	34° 53.8' S 137° 00.7' E	<b>Fl.(4)W.R.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	98 30	W. 16 R. 13	White round stone tower with lantern; 49.	R. 029°-054°, W.-249°.
8436 K 1995	-Souttar Point.	34° 53.2' S 137° 12.4' E	<b>Fl.W.R.</b> period 2s	20 6	W. 9 R. 3	Pile beacon.	W. 213°-033°, R.-213°.
8440 K 1994	-Port Turton.	34° 55.9' S 137° 21.2' E	<b>Fl.W.</b> period 4s	22 7	5	White wooden mast.	Visible 134°-250°.
8444 K 1986	-Wardang Island, summit.	34° 30.0' S 137° 20.7' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	111 34	W. 10 R. 7	White fiberglass hut; 13.	R. 211°-259°, W.-211°.
8445 K 1988	-Port Victoria.	34° 29.7' S 137° 28.8' E	<b>Fl.W.R.</b> period 2s	30 9	W. 9 R. 7		W. 036°-064°, R.-113°, W.- 166°.
8448 K 1982	-Tiparra Reef, on S. side.	34° 04.0' S 137° 23.7' E	<b>Fl.</b> period 5s		2		
8450 K 1980	-Warburto Point.	34° 00.4' S 137° 33.0' E	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	118 36	18	White fiberglass hut, on red metal framework tower; 105.	
			<b>Iso.R.</b> period 5s	89 27	14		Visible 061°-081°.
-Wallaroo Bay:							
8456 K 1974	--Channel Entrance Beacon.	33° 54.4' S 137° 33.3' E	<b>Fl.W.</b> period 2s		4	STARBOARD (A) G, beacon, topmark.	
8460 K 1978	--New jetty, head.	33° 56.0' S 137° 37.0' E	<b>F.G.</b>	24 7	1	White metal tower.	

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<b>AUSTRALIA-SOUTH COAST</b>							
8464 <i>K 1973</i>	--Range, front.	33° 55.9' S 137° 36.9' E	<b>F.Bu.</b>			White triangular daymark point up, black border; 49.	F.W. by day.
8468 <i>K 1973.1</i>	--Rear, 305 meters 120°30' from front.	33° 55.9' S 137° 37.1' E	<b>F.Bu.</b>			White triangular daymark point down, black border; 56.	F.W. by day.
8470 <i>K 1930.3</i>	-Middle Bank, S. edge.	33° 44.0' S 137° 29.8' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	36 11	10	Metal structure with white lantern; 36.	
	-RACON		<b>M(- -)</b>		9		(3 & 10cm).
8471 <i>K 1930.5</i>	-Plank Shoal.	33° 29.9' S 137° 28.6' E	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	39 12	10	White fiberglass hut, on metal column; 39.	<b>Radar reflector.</b>
8472 <i>K 1930.3</i>	-Middle Bank.	33° 37.0' S 137° 32.7' E	<b>Fl.(4)W.</b> period 20s	36 11	10	Metal framework tower with white lantern; 36.	
	-RACON		<b>M(- -)</b>		9		(3 & 10cm).
8476 <i>K 1970</i>	-Port Broughton.	33° 33.6' S 137° 52.7' E	<b>Fl.W.</b> period 5s		5		
8477 <i>K 1971</i>	-Fisherman Bay.	33° 32.0' S 137° 53.2' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	
8481 <i>K 1931.1</i>	-Yarraville Shoals.	33° 17.0' S 137° 35.0' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	36 11	10	White fiberglass hut, on white pile with platform, white rectangular daymark.	<b>Radar reflector.</b>
8482 <i>K 1931.6</i>	-Western Shoal.	33° 11.2' S 137° 32.0' E	<b>Fl.(2)W.</b> period 6s			ISOLATED DANGER BRB, beacon, topmark.	
8484 <i>K 1955</i>	-Eastern Shoal, S. end.	33° 09.9' S 137° 43.6' E	<b>Q.(6)+L.Fl.W.</b> period 15s	16 5	5	S. CARDINAL YB, beacon, topmark.	
8488 <i>K 1956</i>	--N. end.	33° 04.5' S 137° 48.0' E	<b>Q.W.</b>	16 5	5	N. CARDINAL BY, beacon, topmark.	
8492 <i>K 1957</i>	-Ward Spit.	33° 02.7' S 137° 49.5' E	<b>Fl.R.</b> period 4s	21 6	5	Three-pile beacon.	<b>Radar reflector.</b>
8493 <i>K 1958</i>	--S.	33° 02.7' S 137° 52.7' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8494 <i>K 1961</i>	--Beacon.	33° 02.4' S 137° 57.9' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	
8495 <i>K 1961.5</i>	--Beacon.	33° 02.8' S 137° 58.3' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	
8496 <i>K 1963</i>	-Port Pirie.	33° 03.3' S 137° 58.1' E	<b>Q.W.</b>				
8500 <i>K 1963.2</i>	--No. 1.	33° 03.6' S 137° 58.2' E	<b>Q.G.</b>		10 3	STARBOARD (A) G, beacon, topmark.	
8504 <i>K 1963.3</i>	--No. 2.	33° 03.6' S 137° 58.2' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	Channel is marked by R. and G. lighted beacons.
8508 <i>K 1960</i>	-Cockle Spit, N. edge.	33° 03.3' S 137° 56.3' E	<b>Q.W.</b>	16 5	8	N. CARDINAL BY, beacon, topmark.	<b>Radar reflector.</b>
8512 <i>K 1962</i>	--Germein, jetty, head.	33° 02.2' S 137° 59.5' E	<b>Fl.W.R.</b> period 4s	25 8	W. 10 R. 3	White metal tower.	R. 357°-073°, W.-085°, obscured elsewhere.  Tide signal.
8514 <i>K 1963.15</i>	-Mt. Ferguson.	33° 06.3' S 138° 01.7' E	<b>F.Y.</b>	144 44	8		



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
-Port Augusta:							
8518 <i>K 1950</i>	--Approach Channel, No. 4.	32° 44.9' S 137° 49.0' E	<b>Q.(3)W.</b> period 10s	20 6		E. CARDINAL B, beacon, topmark.	
8522 <i>K 1952</i>	---No. 9.	32° 39.0' S 137° 46.1' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL Beacon, topmark.	
8524 <i>K 1948</i>	-Point Lowly.	33° 00.0' S 137° 47.1' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	75 23	7	White round stone tower; 82.	
8526 <i>K 1948.2</i>	--Breakwater.	32° 59.5' S 137° 47.0' E	<b>Fl.R.</b> period 5s		5	PORT (A) R, beacon, topmark.	
-Whyalla:							
8532 <i>K 1936</i>	--Hummock Hill Range, front, about 256 meters northward of Whyalla Jetty Light.	33° 02.2' S 137° 36.0' E	<b>Iso.Bu.</b> period 2s	36 11		Tower, white triangular daymark point up.	
8536 <i>K 1936.1</i>	---Rear, 1,666 meters 251° from front.	33° 02.3' S 137° 35.5' E	<b>Iso.Bu.</b> period 6s	59 18			
8540 <i>K 1940</i>	--Range, front.	33° 00.8' S 137° 35.3' E	<b>FR.</b>	79 24		Beacon, neon triangular daymark point up.	FW. by day.
8544 <i>K 1940.1</i>	---Rear, 450 meters 306°36' from front.	33° 00.6' S 137° 35.1' E	<b>FR.</b>	183 56		Tower, black neon rectangular daymark; 43.	2 FW. (vert.) by day.
8548 <i>K 1935.3</i>	--New Channel, No. 1.	33° 02.4' S 137° 37.7' E	<b>F.Fl.W.</b> period 4s			Pile beacon, green triangular daymark point up.	Channel marked by lighted beacons F.Fl.G. 4s, F.G. and F.Fl.R. 4s. <b>Aero Radiobeacon</b> 5.3 miles WSW.
8552 <i>K 1935</i>	--New Channel Range, No. 2, front.	33° 02.1' S 137° 35.7' E	<b>F.Bu.</b>	49 15			
8556 <i>K 1935.1</i>	---Rear, 402 meters 280° from front.	33° 02.1' S 137° 35.6' E	<b>F.Bu.</b>	82 25			
8557 <i>K 1945</i>	--Marina, S. breakwater, head.	33° 02.4' S 137° 35.7' E	<b>Fl.R.</b> period 2s	30 9	2		
8557.2 <i>K 1945.2</i>	---N. breakwater, head.	33° 02.4' S 137° 35.6' E	<b>Fl.G.</b> period 2s	30 9	2		
8560 <i>K 1929</i>	<b>-Shoalwater Point.</b>	33° 39.6' S 137° 12.9' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	56 17	15	White metal column; 49.	Visible 209°-058°. <b>Radar reflector.</b>
8564 <i>K 1902</i>	-Germein Point, SE. of point.	33° 45.3' S 136° 59.3' E	<b>Q.W.</b>	13 4	10	Post.	
-Franklin Harbor:							
8568 <i>K 1904</i>	--Entrance Range, front.	33° 43.9' S 136° 58.4' E	<b>Fl.W.</b> period 3s			Beacon, red triangular daymark point up.	
<b>F.Bu.</b>							
8572 <i>K 1904.01</i>	---Rear, 180 meters 330° from front.	33° 43.8' S 136° 58.3' E	<b>F.Bu.</b>			Beacon, triangular daymark point down.	
8576 <i>K 1908</i>	--Beacon No. 6, W. of Entrance Island Range, front.	33° 44.0' S 136° 57.0' E	<b>F.Bu.</b>			Pile beacon, red square topmark.	
<b>Fl.R.</b> period 2s							
8580 <i>K 1908.01</i>	---Rear, 180 meters 277°36' from front No. 6.	33° 43.8' S 136° 57.0' E	<b>F.Bu.</b>			Pile beacon.	
8584 <i>K 1910</i>	--No. 11.	33° 43.0' S 136° 57.0' E	<b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon, topmark.	
<b>F.Bu.</b>							

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8588 <i>K 1910.01</i>	--Rear, 023°54' from front.	33° 42.6' S 136° 57.7' E	<b>F.Bu.</b>			Beacon.	
8592 <i>K 1910.3</i>	--No. 15.	33° 32.0' S 136° 57.0' E	<b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon, topmark.	
			<b>F.Bu.</b>				
8600 <i>K 1914</i>	--Cowell Jetty No. 9.	33° 41.3' S 136° 56.1' E	<b>Fl.R.</b> period 1.5s			PORT (A) R, beacon, topmark.	Harbor marked by lights and light beacons.
8604 <i>K 1892</i>	-Tumby Bay, jetty, head.	34° 22.7' S 136° 06.4' E	<b>Q.W.R.</b>	20 6	6	White wooden mast.	W. 251°-302°, R.-353°.
8608 <i>K 1890</i>	-Winceby Island, summit.	34° 29.4' S 136° 17.0' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	49 15	10	White fiberglass tower; 20.	
8612 <i>K 1889</i>	-Bolingbroke Point.	34° 32.4' S 136° 05.5' E	<b>Fl.(4)W.R.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	63 19	W. 9 R. 7	White fiberglass hut.	W. 211°-019°, R.-029° over Berlin Rock, W. 029°-112°30'.
8616 <i>K 1879</i>	<b>-Point Boston.</b>	34° 38.9' S 135° 56.2' E	<b>Fl.W.R.G.</b> period 2s	40 12	W. 15 R. 12 G. 12	Iron skeleton tower.	W. 040°-189°, R.-247°, W.-280°, G.-288°, W.-302°, R.-324°, W.-348°, R.-040°.
	-Boston Bay:						
8620 <i>K 1879.2</i>	--Entrance.	34° 39.7' S 135° 54.7' E	<b>Fl.W.R.</b> period 4s		W. 6 R. 4		W. 260°-269°, R.-260°.
8624 <i>K 1879.3</i>	--No. 1.	34° 39.8' S 135° 54.4' E	<b>Q.W.G.</b>		W. 6 G. 4	STARBOARD (A) G, beacon, topmark.	W. 259°-268°, G.-259°.
8624.5 <i>K 1879.4</i>	--No. 2.	34° 40.0' S 135° 54.1' E	<b>Fl.R.</b> period 2s				
8625 <i>K 1879.6</i>	--No. 4.	34° 41.0' S 135° 53.2' E	<b>Fl.R.</b> period 4s				
8625.5 <i>K 1879.7</i>	--No. 3.	34° 41.7' S 135° 52.7' E	<b>Fl.G.</b> period 2s				
8626 <i>K 1879.9</i>	--No. 6.	34° 41.9' S 135° 52.7' E	<b>Fl.R.</b> period 2s				
8632 <i>K 1884</i>	--Jetty, head.	34° 42.8' S 135° 52.2' E	<b>Fl.(2)R.</b> period 8s	49 15	2		R. lights on radio tower 2.3 miles NW.
8636 <i>K 1888</i>	--Kirton Point, jetty.	34° 43.1' S 135° 52.6' E	<b>Q.W.R.</b>	27 8	W. 6 R. 3	Dolphin.	W. 088°-268°, R.-088°.
8640 <i>K 1885</i>	--Range, front.	34° 43.0' S 135° 52.0' E	<b>F.R. (neon)</b>	31 9		White triangular daymark point up.	Range marks the approach to berth No. 5.
8644 <i>K 1885.1</i>	--Rear, about 46 meters 239°32' from front.	34° 43.0' S 135° 52.0' E	<b>F.R. (neon)</b>	36 11		White triangular daymark point down.	
8648 <i>K 1881</i>	--Channel Beacon.	34° 44.6' S 135° 55.2' E	<b>Q.R.</b>	20 6	3	PORT (A) R, beacon, topmark.	
	-Porter Bay:						
8657 <i>K 1882</i>	--Entrance beacon.	34° 44.5' S 135° 52.9' E	<b>Fl.R.</b> period 1.5s		4	PORT (A) R, beacon, topmark.	
8658 <i>K 1882.2</i>	--S. beacon.	34° 44.6' S 135° 52.6' E	<b>Fl.R.</b> period 4s		5	PORT (A) R, beacon, topmark.	
8658.1 <i>K 1882.3</i>	--N. breakwater.	34° 44.5' S 135° 52.7' E	<b>Fl.G.</b> period 4s		5	STARBOARD (A) G, beacon, topmark.	
8659 <i>K 1882.5</i>	--Marina Range, front.	34° 44.6' S 135° 52.4' E	<b>F.Bu.</b>		3		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8659.1 <i>K 1882.51</i>	--Rear, 141 meters 261° from front.	34° 44.7' S 135° 52.3' E	<b>F.Bu.</b>		3		
8660 <i>K 1880</i>	-Boston Island, Fanny Point, S. point of island.	34° 44.0' S 135° 55.8' E	<b>Fl.W.</b> period 1.5s	25 8	4	Metal framework tower.	
8664 <i>K 1878</i>	<b>-Cape Donington.</b>	34° 43.6' S 135° 59.6' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	102 31	18	Gray four-sided concrete tower; 56.	
8668 <i>K 1876</i>	-Dangerous Reef.	34° 48.9' S 136° 12.8' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	36 11	10	White fiberglass tower; 20.	
8672 <i>K 1874</i>	-Taylor Island.	34° 52.4' S 136° 00.6' E	<b>Fl.(2)W.R.G.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	250 76	W. 11 R. 7 G. 7	White fiberglass tower; 29.	G. 159°-187°, W.-244°, R.-271°, G.-298°, W.-304°, R.-339°, G.-355°, W.-001°, R.-159°.
8676 <i>K 1873</i>	-Williams Island.	35° 01.7' S 135° 58.3' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	171 52	9	White fiberglass tower; 20.	Visible 284°-250°.
8680 <i>K 1872.5</i>	<b>-Thistle Island, Waterhouse Point.</b>	35° 03.6' S 136° 12.1' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	161 49	18	White fiberglass hut; 13.	
8684 <i>K 1878.5</i>	-Sibsey Island.	34° 38.8' S 136° 11.0' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	85 26	10	White fiberglass hut; 6.	
8692 <i>K 1872</i>	<b>-South Neptune Island.</b>	35° 20.2' S 136° 07.1' E	<b>Fl.(3)W.</b> period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 13.3s	141 43	17	Red round brick tower; 16.	
	-RACON		<b>B(- • • •)</b>		18		(3 & 10cm).
8696 <i>K 1866</i>	<b>Whidbey Islands.</b>	34° 47.0' S 135° 02.0' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	394 120	17	White fiberglass hut; 13.	
8700 <i>K 1861</i>	Point Sir Issac, NE. extremity.	34° 25.8' S 135° 12.4' E	<b>Fl.W.</b> period 2.4s	50 15	9		Visible 070°-295°.
8704 <i>K 1862</i>	-No. 1.	34° 29.8' S 135° 22.4' E	<b>Fl.W.</b> period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by lighted beacons.
WATERLOO BAY:							
8740 <i>K 1860</i>	-Port Elliston Range, front.	33° 38.4' S 134° 52.6' E	<b>F.Bu.</b>	18 5	2	Red column, white triangular daymark point up.	
8744 <i>K 1860.1</i>	--Rear, 365 meters 031°45' from front.	33° 38.3' S 134° 52.7' E	<b>F.Bu.</b>	32 10	10	Red column, white triangular daymark point up.	
8748 <i>K 1858</i>	Flinders Island.	33° 40.9' S 134° 31.6' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	220 67	11	White fiberglass hut; 13.	
8752 <i>K 1856</i>	<b>Pearson Islands.</b>	33° 57.4' S 134° 15.7' E	<b>Fl.(3)W.</b> period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	260 79	17	White fiberglass hut; 13.	Visible 023°-175°, 238°-313°, 322°-350° and 354°-013°.
STREAKY BAY:							
8756 <i>K 1847</i>	<b>-Cape Bauer.</b>	32° 43.5' S 134° 04.3' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	277 84	16	White fiberglass hut; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8760 K 1850	-South Channel, S. side.	32° 40.5' S 134° 09.6' E	<b>Fl.W.R.</b> period 3s	30 9	10	White metal pile.	W. 075°-305°, R.-075°.
8764 K 1852	-Point Gibson.	32° 44.2' S 134° 14.0' E	<b>Fl.W.R.</b> period 1.5s	17 5	10	White metal pile.	R. 126°-141°, W.-022°, R.-037°, obscured elsewhere.
8768 K 1854	-Blanche Port, end of Flinder's jetty.	32° 48.0' S 134° 13.0' E	<b>Q.W.R.</b>	25 8	10	White iron column.	W. 175°-201°, R.-216°.
8772 K 1818	<b>St. Francis Island.</b>	32° 30.6' S 133° 18.4' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 10s	282 86	17	White fiberglass hut; 13.	
8776 K 1820	<b>Evans Island.</b>	32° 22.7' S 133° 28.7' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	130 40	17	White fiberglass hut; 7.	
8780 K 1842	Decres Bay, Saint Peter Island.	32° 13.0' S 133° 42.0' E	<b>Fl.W.</b> period 3s		5	Beacon.	
DENIAL BAY:							
-Yatala Channel:							
8784 K 1822	--Entrance Beacon.	32° 11.8' S 133° 34.7' E	<b>Fl.W.R.G.</b> period 1.5s	25 8	W. 9 R. 2 G. 2	Black framework tower, on pile structure, red square daymark.	W. 037°-046°, R.-226°, W.-248°, G.-037°.
8788 K 1824	--No. 1.	32° 11.3' S 133° 35.7' E	<b>Fl.G.</b> period 2s		4	STARBOARD (A) G, beacon, topmark.	
8792 K 1824.5	--No. 2.	32° 11.3' S 133° 35.5' E	<b>Oc.R.</b> period 6s			PORT (A) R, beacon, topmark.	
8796 K 1838	-Thevenard, jetty, head.	32° 09.0' S 133° 38.0' E	<b>Q.W.</b>	21 6	5	Red iron column.	Visible 020°-170°.
8800 K 1841	-Murat Bay, jetty head, W. side of bay.	32° 06.0' S 133° 36.0' E	<b>Fl.W.</b> period 4s	21 6	8	White iron column.	
8804 K 1840	--Jetty, head, E. side of bay.	32° 08.0' S 133° 40.0' E	<b>Fl.R.G.</b> period 3s	26 8	R. 6 G. 6	White metal column.	R. 050°-066°, G.-119°, obscured elsewhere.
8806 K 1841.5	-Cape Vivonne.	32° 12.0' S 133° 40.8' E	<b>Fl.W.</b> period 1.5s	46 14	8		Visible 136°-148°.
8808 K 1839	<b>-Ceduna AVIATION LIGHT.</b>	32° 07.6' S 133° 42.1' E	<b>Fl.W.</b> period 10s	120 37	26	Steel tower; 50.	Shown on request.
8809 K 1814	Bandy Creek Boat Harbor, E. breakwater.	33° 50.1' S 121° 56.0' E	<b>Fl.(2)G.</b> period 4.5s		4		
8810 K 1814.2	-W. breakwater.	33° 50.2' S 121° 56.0' E	<b>Fl.(2)R.</b> period 4.5s		4		
8811.5 K 1812	Tanker jetty.	33° 51.3' S 121° 54.6' E	<b>Fl.W.R.</b> period 3s	26 8	7		W. 300°-315°, R.-300°.
8812 K 1811	Esperance Range, front.	33° 52.2' S 121° 53.7' E	<b>F.Bu.</b>	39 12	5		
8816 K 1811.1	-Rear, 210 meters 242°26' from front.	33° 52.2' S 121° 53.6' E	<b>F.Bu.</b>	98 30	5		
8820.5 K 1810.05	-S. of breakwater.	33° 52.4' S 121° 54.5' E	<b>Fl.R.</b> period 5s		7		
8821 K 1810.2	--S. breakwater extension.	33° 52.0' S 121° 54.5' E	<b>Fl.(2)R.</b> period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	30 9	3	Pillar; 10.	
8822 K 1811.3	-Beacon No. 1.	33° 51.9' S 121° 54.3' E	<b>Fl.G.</b> period 3s	23 7	5	STARBOARD (A) G, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8822.05 <i>K 1811.4</i>	--No. 2.	33° 52.1' S 121° 54.4' E	<b>Fl.R.</b> period 3s	23 7	5	PORT (A) R, beacon, topmark.	
8822.1 <i>K 1811.5</i>	--No. 3.	33° 52.0' S 121° 54.2' E	<b>Fl.G.</b> period 3s	23 7	5	STARBOARD (A) G, beacon, topmark.	
8822.15 <i>K 1811.55</i>	--No. 4.	33° 52.0' S 121° 54.3' E	<b>Fl.R.</b> period 3s	23 7	5	PORT (A) R, beacon, topmark.	
8822.2 <i>K 1811.6</i>	--No. 5.	33° 52.0' S 121° 53.9' E	<b>Fl.G.</b> period 3s	23 7	4	STARBOARD (A) G, beacon, topmark	
8824 <i>K 1809</i>	Cull Island.	33° 55.3' S 121° 54.3' E	<b>Fl.(4)W.</b> period 16s	312 95	11	White fiberglass hut; 7.	
8828 <i>K 1808</i>	<b>Figure of Eight Island.</b>	34° 02.0' S 121° 36.3' E	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	371 113	17	White fiberglass hut; 13.	
8828.5 <i>K 1806.5</i>	Mary Ann Haven.	33° 56.1' S 120° 08.2' E	<b>Fl.W.</b> period 2s		8	Beacon.	
			<b>Dir.W.R.G.</b>	184 56	W. 6 R. 4 G. 4		F.G. 337°30'-339°30', F.W.- 340°30', F.R.-342°30'.
8829 <i>K 1807</i>	-Breakwater.	33° 57.3' S 120° 07.6' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	18 5	3	Post.	
8829.5 <i>K 1807.5</i>	-Range, front.	33° 57.1' S 120° 07.3' E	<b>Iso.Bu.</b> period 4s	10 3	6	Beacon, orange triangular daymark point up.	
8829.6 <i>K 1807.6</i>	--Rear, 1627 meters 308° from front.	33° 56.5' S 120° 06.5' E	<b>Iso.Bu.</b> period 8s	39 12	6	White pole, orange triangular daymark point down.	
8830 <i>K 1806</i>	Bremer Bay.	34° 25.5' S 119° 23.9' E	<b>Fl.R.</b> period 3s	26 8	4		
8832 <i>K 1800</i>	<b>Breaksea Island</b> , 1,200 yards within its E. extremity.	35° 03.9' S 118° 03.4' E	<b>Fl.(2)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	390 119	13	Masonry tower with white lantern; 52.	Visible 248°-035° and 040°30'-044°.
			<b>Oc.R.</b> period 1.5s	390 119	15		Visible 020°-036° and 040°30'-043°30'.
8836 <i>K 1801.095</i>	Emu Point.	35° 00.0' S 117° 56.8' E	<b>Iso.W.R.G.</b> period 2s	33 10	11		G. 338°00'-340°30', W.- 344°30', R.-347°00'.
8838 <i>K 1801.08</i>	Skippy.	35° 00.1' S 117° 56.9' E	<b>V.Q.(9)W.</b> period 10s	20 6	4	W. CARDINAL YBY, beacon, topmark.	
PRINCESS ROYAL HARBOR:							
8840 <i>K 1802</i>	-King Point, N. side of entrance.	35° 02.1' S 117° 55.1' E	<b>Iso.W.R.G.</b> period 2s	138 42	11	Metal column, triangular daymark point up, red stripe.	G. 289°30'-292°, W.-296°, R.- 298°30'.
			<b>Fl.W.</b> period 3s		9		
8844 <i>K 1802.5</i>	Princess Royal Harbor Entrance Range, front.	35° 03.1' S 117° 52.3' E	<b>F.Bu.</b>	43 13		White rectangular daymark.	
8848 <i>K 1802.51</i>	-Rear, 2000 meters 252° from front.	35° 03.4' S 117° 51.0' E	<b>F.Bu.</b>	89 27		White rectangular daymark.	
8853 <i>K 1804.9</i>	-Turning Basin Range, front.	35° 02.7' S 117° 54.5' E	<b>Iso.W.</b> period 2s		4	White triangular daymark point up.	
8854 <i>K 1804.91</i>	--Rear, 325 meters 117°18' from front.	35° 02.8' S 117° 54.6' E	<b>Iso.W.</b> period 4s		4	White triangular daymark point down.	
8856 <i>K 1796</i>	AVIATION LIGHT.	34° 56.7' S 117° 48.3' E	<b>Al.Fl.W.G.</b> period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	280 85	W. 28 G. 24		Occasional.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-SOUTH COAST</b>							
8860 <i>K 1798</i>	<b>Eclipse Island.</b>	35° 10.8' S 117° 53.3' E	<b>Fl.(3)W.</b> period 12s fl. 0s, ec. 2s fl. 0s, ec. 2s fl. 0s, ec. 8s	384 117	15	Round concrete tower; 46.	
8868 <i>K 1795</i>	<b>Point D'Entrecasteaux.</b>	34° 50.3' S 116° 00.2' E	<b>Fl.(4)W.</b> period 30s fl. 0s, ec. 5s fl. 0s, ec. 5s fl. 0s, ec. 5s fl. 0s, ec. 15s	364 111	17	White square masonry tower; 10.	
8872 <i>K 1794</i>	<b>Cape Leeuwin.</b>	34° 22.5' S 115° 08.2' E	<b>Fl.W.</b> period 7.5s fl. 0s, ec. 7.5s	185 56	26	White round masonry tower with white lantern; 128.	Visible 261°-141°.

# Section 9

## West and North Coasts of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-WEST COAST</b>							
8876 <i>K 1792</i>	<b>Foul Bay South End.</b>	34° 14.8' S 115° 02.0' E	<b>Fl.(3)W.</b> period 15s fl. 0s, ec. 2.5s fl. 0s, ec. 2.5s fl. 0s, ec. 10s	303 92	17	White square tower, and lantern; 20.	
8880 <i>K 1790</i>	<b>Cape Naturaliste.</b>	33° 32.2' S 115° 01.2' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	404 123	25	Circular stone tower and lantern; 62.	Visible 015°-292°. F.R. lights on radio mast 12.7 miles ESE.
8884 <i>K 1788</i>	Busselton jetty, head.	33° 37.7' S 115° 20.3' E	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s				
8886 <i>K 1787.8</i>	-E.	33° 37.8' S 115° 23.2' E	<b>Fl.(2)G.</b> period 5s		3		
KOOMBANA BAY:							
8888 <i>K 1782</i>	<b>-Casuarina Point.</b>	33° 19.1' S 115° 38.0' E	<b>Fl.(3)W.</b> period 15s fl. 0.3s, ec. 2.1s fl. 0.3s, ec. 2.1s fl. 0.3s, ec. 9.9s	142 43	19	Black and white checkered round tower; 49.	
8892 <i>K 1784</i>	-Bunbury, McKenna Point.	33° 18.1' S 115° 38.8' E	<b>Fl.W.R.</b> period 3s fl. 0.3s, ec. 2.7s	46 14	W. 10 R. 7	Black metal tower, white bands and lantern; 33.	R. 020°-055°, W.-020°.
8896 <i>K 1784.5</i>	--Anchorage Range, front.	33° 19.6' S 115° 40.3' E	<b>Q.W.</b>		5		
8900 <i>K 1784.51</i>	---Rear, 240 meters 089°26' from front.	33° 19.7' S 115° 40.4' E	<b>Iso.W.</b> period 4s		5		
8908 <i>K 1785.1</i>	-Bunbury Harbor, power station.	33° 19.1' S 115° 39.7' E	<b>Dir.W.R.G.</b>	66 20	8	White round tower, on pile, orange rectangular daymark; 56.	F.G. 155.5°-157°, F.W.- 157.5°, F.R.-159°. Range 6M by day.
			<b>F.Bu. (neon)</b>		6		
8912 <i>K 1786.3</i>	-Harbor Channel Range, front.	33° 19.2' S 115° 39.1' E	<b>F.Bu.</b>			Red triangular daymark point up.	
8916 <i>K 1786.31</i>	--Rear, about 231 meters 180° from front.	33° 19.3' S 115° 39.1' E	<b>F.Bu.</b>			Red triangular daymark point down.	
8918 <i>K 1787.08</i>	--Beacon.	33° 18.3' S 115° 38.8' E	<b>Q.(3)W.</b> period 10s	13 4	3		
8920 <i>K 1786.5</i>	-Range, front.	33° 19.5' S 115° 39.8' E	<b>F.R.</b>			Red triangular daymark point up.	
8924 <i>K 1786.51</i>	--Rear, about 100 meters 135° from front.	33° 19.5' S 115° 39.9' E	<b>F.R.</b>			Red triangular daymark point down.	
8925.5 <i>K 1781.8</i>	<b>White Hill.</b>	32° 41.2' S 115° 36.8' E	<b>Fl.(2)W.</b> period 15s	167 51	15		Visible 355°-195°.
8925.7 <i>K 1781.77</i>	Dawesville, entrance.	32° 36.0' S 115° 37.7' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
8926 <i>K 1781.6</i>	<b>Robert Point.</b>	32° 31.6' S 115° 42.0' E	<b>Fl.W.</b> period 2s	174 53	15		Visible 035°-185°.
8926.2 <i>K 1781.47</i>	-James Service Reef.	32° 27.7' S 115° 39.4' E	<b>Q.(6)+L.Fl.W.</b> period 15s		4	S. CARDINAL YB, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-WEST COAST</b>							
8926.3 K 1781.5	-N.	32° 30.7' S 115° 42.2' E	<b>Q.W.</b>			4 N. CARDINAL BY, beacon, topmark.	
8926.5 K 1781.7	Peel Inlet.	32° 31.2' S 115° 42.6' E	<b>Fl.G.</b> period 3s	23 7	3		
8926.7 K 1781.53	Bight Reef.	32° 29.5' S 115° 43.9' E	<b>Q.(9)W.</b> period 15s			4 W. CARDINAL YBY, beacon, topmark.	
WARNBRO SOUND:							
8928 K 1781.4	-Range, front.	32° 20.5' S 115° 42.2' E	<b>Q.W.</b>	20 6	7	Round tower, orange triangular daymark point up.	Fishing light.
8932 K 1781.41	--Rear, 55 meters 123°08' from front.	32° 20.5' S 115° 42.3' E	<b>Iso.W.</b> period 4s	30 9	7	Round tower, orange triangular daymark point down.	Fishing light.
8936 K 1781	-Entrance beacon.	32° 20.1' S 115° 41.9' E	<b>Fl.R.G.</b> period 3s	30 9	R. G. 2 1	Red round tower.	R. 014°-194°, G. 194°-0.14°. Fishing light.
8939 K 1780.9	<b>Garden Island.</b>	32° 12.9' S 115° 40.5' E	<b>Fl.(3)W.</b> period 12s	161 49	15		
COCKBURN SOUND:							
8944 K 1780.73	-Submarine Wharf.	32° 13.7' S 115° 41.9' E	<b>Q.W.</b>	23 7	4		
8945 K 1780.75	-W. side.	32° 13.7' S 115° 41.7' E	<b>F.G.</b>			Dolphin.	
8948 K 1780.7	-Colpoys Point.	32° 13.6' S 115° 42.0' E	<b>Fl.G.</b> period 5s	36 11	6		
8950 K 1780.75	-Pier, head.	32° 13.8' S 115° 41.6' E	<b>F.G.</b>			Dolphin.	
8952 K 1780.76	-Small boat harbor breakwater, head.	32° 13.8' S 115° 41.4' E	<b>Q.R.</b>	16 5	2		
8954 K 1780.8	-Sulphur Bay Wharf, head.	32° 10.5' S 115° 40.9' E	<b>Q.Y.</b>				
8956 K 1780.78	-Careening Bay S.	32° 14.4' S 115° 42.1' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
8957 K 1779.6	-John Ledge.	32° 15.3' S 115° 41.1' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
8957.2 K 1779.65	-Collie Ledge.	32° 14.9' S 115° 41.7' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	26 8	4	STARBOARD (A) G, beacon, topmark.	
8957.7 K 1780.77	-Minstrel Channel, E. end.	32° 14.4' S 115° 42.6' E	<b>Q.W.</b>			3 N. CARDINAL BY, beacon, topmark.	
8958 K 1779.4	-Southern Flats.	32° 15.2' S 115° 43.5' E	<b>Q.(3)W.</b> period 10s	16 5	9	E. CARDINAL BYB, beacon, topmark.	
8960 K 1778.6	-Bulk cargo berth, at N. head of pier.	32° 14.3' S 115° 45.4' E	<b>F.R.</b>	16 5	1		
8964 K 1778.64	--S. head.	32° 14.6' S 115° 45.3' E	<b>F.R.</b>	16 5	1		
8968 K 1778	-Kwinana Refinery Range, front.	32° 13.8' S 115° 45.3' E	<b>F.Bu.</b>	27 8	2	Column.	Visible 118°-148°.
8972 K 1778.1	--Rear, 690 meters 133° from front.	32° 14.0' S 115° 45.6' E	<b>F.Bu.</b>	36 11	3	Gray steel framework tower.	Visible 118°-148°.
8973 K 1778.3	--Water intake.	32° 13.6' S 115° 45.3' E	<b>2 F.W.</b>				
8974 K 1778.2	-James Point.	32° 13.3' S 115° 44.9' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	



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<b>AUSTRALIA-WEST COAST</b>							
8976 K 1777	-Stirling Channel Range, front.	32° 12.5' S 115° 46.0' E	<b>F.Bu.</b>	96 29	9	Tower; 92.	
8980 K 1777.05	--Rear, 105°42' from front.	32° 12.6' S 115° 46.2' E	<b>F.Bu.</b>	112 34	6		
8984 K 1777.2	--Channel beacon A.	32° 12.2' S 115° 44.7' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	
8985 K 1777.22	--Channel beacon 1.	32° 12.3' S 115° 44.7' E	<b>Q.G.</b>		3	STARBOARD (A) G, beacon, topmark.	
8986 K 1777.5	-Calista Channel Range, front.	32° 10.4' S 115° 46.4' E	<b>F.R.</b>	66 20	11	Round tower; 26.	Visible 005°-035°.
8986.1 K 1777.51	--Rear, 490 meters 020°30' from front.	32° 10.1' S 115° 46.5' E	<b>F.R.</b>	121 37	11	Round tower; 23.	Visible 005°-035°.
8988 K 1777.4	-N. jetty, head.	32° 12.5' S 115° 45.8' E	<b>F.G.</b>	92 28		Tower.	
8989 K 1777.45	-S. jetty, head.	32° 12.6' S 115° 45.6' E	<b>F.G.</b>				
8992 K 1777.82	-N. Intake pipeline.	32° 11.8' S 115° 46.3' E	<b>2 F.I.R.</b> (horiz.) period 3s		2		
8996 K 1777.84	-S. Intake pipeline.	32° 11.9' S 115° 46.2' E	<b>2 F.I.R.</b> (horiz.) period 3s		2		
9000 K 1777.86	-Alumina Works Jetty, head.	32° 11.4' S 115° 46.2' E	<b>F.G.</b>	30 9	2		
9000.5 K 1775.8	-Jervoise Bank.	32° 08.9' S 115° 45.0' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
9000.7 K 1776.1	-Jervoise Bay, W. breakwater.	32° 08.7' S 115° 45.5' E	<b>F.I.R.</b> period 3s				
9001 K 1776	--E. breakwater.	32° 08.7' S 115° 45.6' E	<b>F.I.G.</b> period 3s	30 9	1		
9002 K 1776.3	--Inner breakwater.	32° 08.4' S 115° 45.8' E	<b>F.I.R.</b> period 3s fl. 0.3s, ec. 2.7s	26 8	3		Obscured 035°-135°.
9003 K 1776.4	--Shiplifter, N. jetty.	32° 09.2' S 115° 45.9' E	<b>V.Q.R.</b>		1		
9003.1 K 1776.42	--S. jetty.	32° 09.2' S 115° 45.9' E	<b>V.Q.G.</b>		1		
9004 K 1774	<b>-Woodman Point.</b>	32° 07.9' S 115° 46.2' E	<b>Oc.W.R.G.</b> period 30s lt. 20s, ec. 10s	123 37	W. 22 R. 8 G. 8	White round stone tower.	R. 132°-145°, W.-150°, G.- 160°.
			<b>Oc.G.</b> period 5s lt. 3s, ec. 2s	112 34	4		Visible 051°06'-051°54'.
9006 K 1775.9	-Jervoise and Medina Channels.	32° 08.0' S 115° 44.9' E	<b>Dir.W.R.G.</b>	43 13			F.R. 340°36'-342°06', F.W.- 343°06', F.G.-344°36'. Channels marked by F.I.R. 2s and F.I.G. 2s beacons.
9008 K 1771	-Success and Parmelia Bank Channels Range, front.	32° 08.7' S 115° 42.4' E	<b>F.R.</b>	40 12	11	White round metal tower, orange band; 40.	Visible 159°-179°. Rear light for reciprocal range 349°12'. Channels marked by Q.R. and Q.G. buoys and by F.I.R. 2s and F.I.G. 2s beacons.
			<b>F.W.</b>	13 4	3		
			<b>F.G.</b>	39 12	11		Visible 339°-359°.

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<b>AUSTRALIA-WEST COAST</b>							
9012 K 1771.1	--Rear, 0.5 mile 169°12' from front.	32° 09.2' S 115° 42.5' E	<b>F.R.</b>	70 21	11	White round metal tower, orange bands; 69.	Visible 159°-179°.
			<b>F.W.</b>	13 4	3		
			<b>F.G.</b>	23 7	11		Visible 339°-359°. Front light for reciprocal range 349°12'.
9021 K 1773.5	Challenger Passage Range, front.	32° 08.7' S 115° 40.0' E	<b>Q.R.</b>	20 6	3	Metal pile concrete platform.	R. 019°36'-199°36'.
			<b>Q.G.</b>			Same structure.	G. 199°36'-019°36'. Rear light for reciprocal range 289°35'.
9022 K 1773.51	--Rear, 400 meters 109°35' from front.	32° 08.7' S 115° 40.3' E	<b>Iso.R.</b> period 4s	30 9	3	Metal concrete platform.	R. 019°35'-199°35'.
			<b>Iso.G.</b> period 4s	30 9	3	Same structure.	G. 199°35'-019°35'. Front light for reciprocal range 289°35'.
SUCCESS BANKS:							
9024 K 1760	<b>-Rottnest Island.</b>	32° 00.4' S 115° 30.2' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	262 80	26	White masonry tower and lantern, gold cupola; 125.	
9026 K 1760.5	-Cape Vlaming.	32° 01.4' S 115° 27.0' E	<b>Fl.(2)W.</b> period 5s	89 27	8	Metal mast on bunker; 20.	
9027 K 1762.7	-S. Coast Approaches to Pocillopora Reef, front.	32° 01.2' S 115° 31.8' E	<b>F.Bu.</b>				
9027.1 K 1762.71	--Rear, 300 meters 300°12' from front.	32° 01.1' S 115° 31.7' E	<b>F.Bu.</b>				
9028 K 1761.5	-Duck Rock.	31° 59.2' S 115° 32.6' E	<b>Q.W.</b>	16 5	4	N. CARDINAL BY, beacon, topmark.	
9036 K 1761	-Kingston Reefs, front.	31° 59.6' S 115° 33.5' E	<b>Fl.G.</b> period 3s	7 2	3	STARBOARD (A) G, beacon, topmark.	
9036.1 K 1761.1	--Bathurst Point, rear, 1720 meters 287°30' from front.	31° 59.4' S 115° 32.4' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	98 30	14	White stone tower, gold cupola; 62.	Visible 108°-297°.
9037 K 1760.7	-Point Clune, front.	31° 59.3' S 115° 31.6' E	<b>F.Bu.</b>				
9037.1 K 1760.71	--Rear, 150 meters 253°24' from front.	31° 59.3' S 115° 31.5' E	<b>F.Bu.</b>				
9038 K 1760.6	-Parakeet Bay, front.	31° 59.4' S 115° 30.9' E	<b>F.Bu.</b>				
9038.1 K 1762.71	--Middle.	31° 59.4' S 115° 30.8' E	<b>F.Bu.</b>				
9038.2 K 1760.612	-Armstrong Hill, rear, 750 meters 240°30' from front.	31° 59.6' S 115° 30.4' E	<b>F.Bu.</b>				
9040 K 1762.4	Phillip Rock.	32° 00.0' S 115° 33.7' E	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	26 8	6	Red beacon.	
9044 K 1762.8	<b>Buckland Hill.</b>	32° 01.0' S 115° 45.7' E	<b>Dir.W.R.G.</b>	216 66	18	White house; 33.	F.G. 122°42.5'-123°57.5', AI.W.G.-124°42.5', F.W.-125°42.5', AI.W.R.-126°27.5', F.R.-127°42.5'. Shown 24 hours.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-WEST COAST</b>							
FREMANTLE:							
9048 K 1763	-South Channel Range, front.	32° 01.3' S 115° 37.1' E	<b>Iso.W.R.</b> period 2s	23 7	W. 10 R. 8	White structure, orange bands.	
			<b>F.W.</b>	10 3	2		Visible 086°06'-066°06'.
9052 K 1763.1	--Rear, 930 meters 076°06' from front.	32° 01.2' S 115° 37.7' E	<b>Iso.W.R.</b> period 8s	33 10	W. 10 R. 8	White structure, orange bands.	
			<b>F.W.</b>	10 3	2		Visible 086°06'-066°06'.
9062 K 1765.3	-Hall Bank.	32° 01.8' S 115° 42.7' E	<b>Fl.R.</b> period 4s	23 7		PORT (A) R, beacon, topmark.	
9063 K 1767.6	<b>-Inner Harbor Entrance Range, front.</b>	32° 03.2' S 115° 44.5' E	<b>F.Bu.</b>	75 23	15	Mast, orange rectangular daymark.	Visible 075°12'-090°12'.
9063.1 K 1767.61	--Rear, 180 meters 082°48' from front.	32° 03.2' S 115° 44.6' E	<b>F.Bu.</b>	98 30	15	Mast, orange rectangular daymark.	Visible 075°12'-090°12'.
9064 K 1765	-S. mole, head.	32° 03.4' S 115° 44.0' E	<b>V.Q.G.</b>	49 15	6	Green round metal tower, white cupola; 30.	
9076 K 1764	-N. mole, head.	32° 03.2' S 115° 43.5' E	<b>V.Q.R.</b>	49 15	6	Red round metal tower, white cupola; 30.	
9078 K 1766	-Entrance channel, beacon B.	32° 03.3' S 115° 43.5' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
9078.2 K 1766.2	--Beacon 2.	32° 03.4' S 115° 43.5' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
9078.3 K 1766.31	--Rous Head Harbor.	32° 03.2' S 115° 43.7' E	<b>F.R.</b>				
9078.31 K 1766.32	---East.	32° 03.2' S 115° 43.7' E	<b>F.G.</b>				
9078.4 K 1766.4	--Beacon C.	32° 03.2' S 115° 44.0' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
9078.6 K 1766.5	--Beacon 3.	32° 03.3' S 115° 44.0' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
9082 K 1767.1	-S. mole Range, front.	32° 03.3' S 115° 44.3' E	<b>F.R.</b>			Beacon, triangular daymark point up.	
9083 K 1767.115	--Rear, 160 meters 220°18' from front.	32° 03.4' S 115° 44.2' E	<b>F.R.</b>			Beacon, triangular daymark point down.	
9085 K 1767.4	-North Quay.	32° 03.2' S 115° 44.2' E	<b>F.R. (neon)</b>				
-Inner Harbor:							
9090.5 K 1768.5	--Range, front.	32° 02.4' S 115° 45.2' E	<b>F.G.</b>			Post, red triangular daymark point up.	Marks N. side of Wongara Shoal.
9090.51 K 1768.51	---Rear, 16 meters 062°27' from front.	32° 02.4' S 115° 45.2' E	<b>F.G.</b>			Post, red triangular daymark point down.	
9090.53 K 1768.54	--Range, front.	32° 02.4' S 115° 45.2' E	<b>F.G.</b>			White post, orange triangular daymark point up.	
9090.531 K 1768.541	---Rear, 50 meters 040°54' from front.	32° 02.4' S 115° 45.2' E	<b>F.G.</b>			White post, orange triangular daymark point down.	
9090.6 K 1768.56	--North Fremantle Range, front.	32° 02.3' S 115° 45.2' E	<b>F.R.</b>				
9090.61 K 1768.561	---Rear, 3,350 meters 040°12' from front.	32° 00.9' S 115° 46.5' E	<b>F.R.</b>				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-WEST COAST</b>							
9090.7 K 1768.6	--Range, front.	32° 02.5' S 115° 45.2' E	<b>F.R.</b>			White post, orange triangular daymark point up.	Marks W. side of Wongara Shoal.
9090.71 K 1768.61	--Rear, 10 meters 125°10' from front.	32° 02.6' S 115° 45.2' E	<b>F.R.</b>			White post, orange triangular daymark point down.	
9090.8 K 1768.7	--Range, front.	32° 02.6' S 115° 45.1' E	<b>F.R.</b>			Beacon, red triangular daymark point up.	
9090.81 K 1768.71	---Rear, 76 meters 129°06' from front.	32° 02.6' S 115° 45.1' E	<b>F.R.</b>			Beacon, red triangular daymark point down.	
9091.01 K 1769.06	-Swan River, W. side.	32° 01.9' S 115° 45.7' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
9091.02 K 1769.07	--E. side.	32° 01.7' S 115° 45.6' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
9091.05 K 1769.08	--Preston Point, W. side.	32° 01.7' S 115° 45.5' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	
9091.2 K 1769.55	-Point Dundas.	32° 00.2' S 115° 49.7' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	
9091.5 K 1769.51	-Melville Water, Armstrong Spit, E. side.	32° 00.2' S 115° 48.5' E	<b>Fl.R.</b> period 3s			Black beacon, white top, square daymark.	
9092 K 1771.8	-Owen Anchorage.	32° 05.7' S 115° 45.8' E	<b>F.Bu.</b>				
9096 K 1770	-Fishing Boat Harbor, entrance.	32° 03.8' S 115° 44.4' E	<b>V.Q.(6)+L.Fl.W.</b> period 10s	10	3	S. CARDINAL YB, beacon, topmark.	
9100 K 1770.15	--Breakwater.	32° 03.8' S 115° 44.4' E	<b>Q.R.</b>			Pile.	
9101 K 1770.2	-Success Harbor, outer.	32° 03.9' S 115° 44.4' E	<b>Q.(4)Y.</b> period 6s	16	5	3 SPECIAL Y, beacon, "X" topmark.	
9101.1 K 1770.22	--Inner.	32° 03.9' S 115° 44.5' E	<b>Fl.Y.</b> period 2s fl. 0.3s, ec. 1.7s	16	5	3 SPECIAL Y, beacon, "X" topmark.	
9102 K 1770.3	-Success Yacht Harbor, S. breakwater.	32° 03.9' S 115° 44.6' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	13	4	3 STARBOARD (A) G, beacon.	
9102.1 K 1770.4	-Beagle Rocks.	32° 03.6' S 115° 43.6' E	<b>Q.(2)W.</b> period 6s			ISOLATED DANGER BRB, beacon, topmark.	
9102.2 K 1771.75	Fish Rocks.	32° 05.0' S 115° 43.9' E	<b>Q.W.</b>			3 N. CARDINAL BY, beacon, topmark.	
9102.5 K 1758.7	Centaur Reef.	31° 52.7' S 115° 43.0' E	<b>Q.(6)+L.Fl.W.</b> period 15s			7 S. CARDINAL YB, beacon, topmark.	
9102.7 K 1758.3	Hillarys Boat Harbor.	31° 49.4' S 115° 44.0' E	<b>Fl.(2)W.</b> period 6s	79	24	12	Visible 344°-159°.
9102.9 K 1757.9	North Lumps.	31° 47.2' S 115° 42.9' E	<b>Q.W.</b>			3 N. CARDINAL BY, beacon, topmark.	
9103 K 1757.8	Ocean Reef Boat Harbor, common rear.	31° 45.7' S 115° 43.8' E	<b>F.Bu.</b>	78	24	5 White rectangular daymark, red band.	
9103.1 K 1757.79	-Range front, 310 meters from common rear.	31° 45.6' S 115° 43.9' E	<b>Q.W.</b>	42	13	10 Rectangular daymark.	Forms range 100° with common rear. Visible 080°-120°.
9103.2 K 1757.81	-Range front, 340 meters from common rear.	31° 45.6' S 115° 43.9' E	<b>Iso.W.</b> period 2s	42	13	10 Rectangular daymark.	Forms range 042°30' with common rear. Visible 022°30'-062°30'.
9103.5 K 1757.7	Mindarie Keys Marina Range, front.	31° 41.0' S 115° 42.2' E	<b>F.Bu.</b>	138	42	7 White beacon; 3.	Visible 037°01'-055°01'. F.W. by day. Marina breakwaters marked by Fl.(2)R. and Fl.(2)G. lights.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-WEST COAST</b>							
9103.6 K 1757.71	-Rear, 046°01' from front.	31° 40.9' S 115° 42.4' E	<b>F.Bu.</b>	194 59	7	White beacon; 3.	Visible 037°01'-055°01'. F.W. by day.
9103.8 K 1757.66	Two Rocks Approaches.	31° 31.4' S 115° 33.8' E	<b>Q.(6)+L.Fl.W.</b> period 15s		5	S. CARDINAL YB, beacon, topmark.	
9103.9 K 1757.65	-N.	31° 30.4' S 115° 33.7' E	<b>V.Q.W.</b>		5	N. CARDINAL BY, beacon, topmark.	
9104 K 1757.6	Wreck Point, Range, front.	31° 29.4' S 115° 34.9' E	<b>F.Bu.</b>	89 27	6	White tower; 26.	
9108 K 1757.61	-Rear, 1,120 meters 022°43' from front.	31° 28.8' S 115° 35.2' E	<b>Iso.W.</b> period 4s	171 52	10	White tower; 39.	
9109 K 1757.63	-Two Rocks Marina, breakwater.	31° 29.7' S 115° 34.8' E	<b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s		3	Green post.	
9112 K 1757.5	<b>Guilderton.</b>	31° 20.3' S 115° 29.5' E	<b>Fl.(3)W.</b> period 20s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 3.9s fl. 0.1s, ec. 12.1s	236 72	19	Red round brick tower with white lantern; 98.	
9114 K 1757.3	Seabird Range, front.	31° 17.8' S 115° 27.4' E	<b>Iso.W.</b> period 2s	121 37	7	Metal column, rectangular daymark, orange stripe.	
9114.5 K 1757.31	-Rear, 1390 meters 034°54' from front.	31° 17.2' S 115° 27.9' E	<b>Iso.W.</b> period 8s	177 54	7	Metal column, rectangular daymark, orange stripe.	
9116 K 1757.2	Ledge Point Range, front.	31° 06.8' S 115° 22.8' E	<b>Q.W.</b>	56 17	9	Metal column, orange rectangular daymark.	
9120 K 1757.21	-Rear, 059°30' from front.	31° 06.9' S 115° 22.6' E	<b>Iso.W.</b> period 4s	73 22	9	Metal column, orange rectangular daymark.	
9124 K 1757	Lancelin Islet Anchorage Range, front.	30° 59.8' S 115° 19.6' E	<b>Iso.W.</b> period 2s	39 12	10	Beacon, triangular daymark point up.	
9128 K 1757.1	-Rear, 75 meters 075°30' from front.	30° 59.8' S 115° 19.6' E	<b>Iso.W.</b> period 4s	52 16	10	Beacon, triangular daymark point down.	
9132 K 1756.6	Cervantes Island, Range front.	30° 28.7' S 115° 04.3' E	<b>Oc.W.</b> period 3.5s lt. 2.5s, ec. 1s	26 8	10	Orange triangular daymark point up.	
9136 K 1756.61	-Rear, 352 meters 067°01' from front.	30° 28.6' S 115° 04.5' E	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	59 18	10	Metal framework tower, orange square daymark; 33.	
9137 K 1756.7	-Channel beacon.	30° 28.9' S 115° 03.6' E	<b>Fl.(2)G.</b> period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s		3		
9140 K 1756	Escape Island, near center.	30° 20.0' S 114° 59.2' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	98 30	10	Steel framework tower; 79.	
9141 K 1756.2	Harper Reef.	30° 17.9' S 115° 00.3' E	<b>Fl.R.</b> period 3s		4		
9142 K 1756.25	Boiler Reef.	30° 18.1' S 114° 59.7' E	<b>Fl.(2)W.G.</b> period 5s		W. 6 G. 4		W. 030°-048°, G.-280°.
9144 K 1756.4	Jurien Bay Range, front.	30° 16.5' S 115° 02.6' E	<b>Q.W.</b>	49 15	10	White round tower, orange triangular daymark point up.	
9144.1 K 1756.41	-Rear, 483 meters 111°32' from front.	30° 16.6' S 115° 02.9' E	<b>Iso.W.</b> period 4s	86 26	10	White round tower, orange triangular daymark point down.	
9146 K 1756.45	-Jurian Boat Harbor Range, front.	30° 17.4' S 115° 02.5' E	<b>F.Bu.</b>		5		

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<b>AUSTRALIA-WEST COAST</b>							
9146.1 K 1756.46	--Rear, 160 meters 130° from front.	30° 17.5' S 115° 02.6' E	<b>F.Bu.</b>		5		
9149 K 1756.5	-S. breakwater.	30° 17.3' S 115° 02.4' E	<b>Fl.G.</b>	20 6	5		
9149.2 K 1756.52	-N. breakwater.	30° 17.3' S 115° 02.4' E	<b>Fl.R.</b>				
9150 K 1755	Green Head Range, front.	30° 04.5' S 114° 57.9' E	<b>Q.W.</b>	52 16	9		
9150.1 K 1755.1	--Rear, 180 meters 105°37' from front.	30° 04.5' S 114° 58.1' E	<b>Fl.W.</b> period 2s	85 26	15		
9151 K 1755.2	-Inner.	29° 56.2' S 114° 57.9' E	<b>Q.G.</b>	26 8	4	Green metal pile beacon with platform, green triangular daymark point up.	
9152 K 1754	Port Denison Range, front.	29° 16.0' S 114° 55.5' E	<b>F.Bu.</b>	62 19	10	Beacon, red rectangular daymark.	
9156 K 1754.1	--Rear, 969 meters 072°05' from front.	29° 15.8' S 114° 56.0' E	<b>F.Bu.</b>	131 40	10	Beacon, red rectangular daymark.	
9156.2 K 1754.5	-Harbor Range, front.	29° 16.6' S 114° 54.9' E	<b>F.Bu.</b>	33 10		White stone beacon.	
9156.3 K 1754.51	--Rear, 50 meters 175°54' from front.	29° 16.6' S 114° 54.9' E	<b>F.Bu.</b>	46 14			
9156.6 K 1754.7	-W. breakwater.	29° 16.3' S 114° 54.9' E	<b>Fl.G.</b> period 3s				
9156.7 K 1754.6	-E. breakwater.	29° 16.4' S 114° 54.9' E	<b>Fl.R.</b> period 3s				
9157 K 1754.9	<b>Freshwater Point.</b>	29° 36.3' S 114° 58.5' E	<b>Fl.W.</b> period 5s	118 36	17		
9158 K 1755	Leeman Range, front.	29° 56.6' S 114° 58.7' E	<b>Q.W.</b>	52 16	9		
9158.1 K 1755.1	--Rear, 742 meters 116°09' from front.	29° 56.7' S 114° 59.0' E	<b>Fl.W.</b> period 2s	85 26	15		
9160 K 1753.6	<b>Pelsaert Island.</b>	28° 59.1' S 113° 57.7' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	70 21	18	Steel column; 66.	
	RACON		<b>X(- • • -)</b>		14		(3 & 10cm).
<b>CHAMPION BAY-GERALDTON:</b>							
9164 K 1740	<b>-Point Moore.</b>	28° 47.0' S 114° 34.8' E	<b>Fl.(2)W.</b> period 10s fl. 0s, ec. 2.5s fl. 0s, ec. 7.5s	112 34	19	White conical metal tower, red bands; 115.	Visible shore-235°.
9168 K 1741	-AVIATION LIGHT.	28° 47.3' S 114° 41.3' E	<b>Fl.W.</b> period 10s	130 40	26	Control tower.	
9169 K 1742.1	-Bluff Point Range, common rear.	28° 44.6' S 114° 37.1' E	<b>F.Bu.</b>	56 17	8	White pole.	Range 4M by day.
			<b>Dir.W.R.G.</b>	56 17	8		F.G. 127°06'-127°48', F.W.-128°12', F.R.-128°54'.
9169.1 K 1742	--Approach Range, front, 1250 meters 071°24' from common rear.	28° 44.8' S 114° 36.5' E	<b>Dir.W.R.G.</b> period 3s	36 11	5	White pole on metal framework tower.	F.G. 070°12'-070°36', Iso.G.-071°, F.W.-071°48', Iso.R.-072°12', F.R.-072°36'.

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<b>AUSTRALIA-WEST COAST</b>							
9169.2 K 1742.3	--Bluff Point Range, front, sea beacon, 2250 meters 127°54' from common rear.	28° 43.8' S 114° 36.0' E	<b>Iso.Bu.</b> period 3s				
			<b>F.Bu.</b>		5		
9169.5	-Fairway buoy.	28° 46.2' S 114° 31.7' E	<b>L.FI.W.</b> period 10s			SAFE WATER RW, pillar, topmark.	
	-RACON		<b>G(- - •)</b>				(3 & 10cm).
9180 K 1744	-Harbor Range, front.	28° 46.6' S 114° 36.0' E	<b>F.Bu.</b>		56 17	Metal column, orange triangular daymark point down.	
9184 K 1744.1	--Rear, 140 meters 180°04' from front.	28° 46.6' S 114° 36.0' E	<b>2 F.Bu.</b> (vert.)		82 25	Framework tower, orange triangular daymark point down.	
9186 K 1753	-Fishing Boat Harbor.	28° 46.4' S 114° 35.6' E	<b>Dir.W.R.G.</b>			Gray pile, orange triangular daymark point up.	Visible on bearing 194°54'.
9188 K 1753.2	-Batavia Coast Marina, breakwater, head.	28° 45.9' S 114° 36.7' E	<b>L.FI.G.</b> period 6s	26 8	3		
9190 K 1753.21	--Port groin.	28° 45.9' S 114° 36.6' E	<b>L.FI.R.</b> period 6s fl. 2s, ec. 4s		3	Red metal tube.	
9198 K 1753.4	Hummock Island.	28° 48.0' S 114° 02.5' E	<b>Fl.(2)W.</b> period 6s	49 15	10		
9199 K 1739.9	-Leo Island.	28° 41.3' S 113° 51.6' E	<b>Fl.W.</b> period 5s		10		
9200 K 1739.4	<b>North Island.</b>	28° 17.9' S 113° 35.4' E	<b>Fl.(3)W.</b> period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	52 16	18	White fiberglass hut; 7.	
	RACON		<b>N(- •)</b>		11		(3 & 10cm).
9201 K 1739.6	-East Wallabi Island.	28° 25.6' S 113° 44.7' E	<b>Fl.R.</b> period 3s	16 5	5		
9202 K 1739.7	-Eastern Island.	28° 27.8' S 113° 48.9' E	<b>Fl.W.</b> period 5s	23 7	10		
9203 K 1739.8	-Dick Island.	28° 29.8' S 113° 46.1' E	<b>Q.(3)W.</b> period 10s	20 6	5	E. CARDINAL BYB, pole, topmark.	
9204 K 1739	<b>Shoal Point.</b>	28° 03.5' S 114° 12.4' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	386 118	19	White square brick tower, lantern; 20.	Visible 003°-150°.
	RACON		<b>O(- - -)</b>		27		(3 & 10cm).
9208 K 1728	Steep Point.	26° 09.0' S 113° 09.7' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	230 70	10	White fiberglass hut; 13.	Visible 358°-253° except where obscured by Dirk Hartog's Island.
9212 K 1724	Cape Inscription.	25° 28.9' S 112° 58.3' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	128 39	12	Gray concrete tower, white cupola; 49.	Visible 040°-303°.
9216 K 1723	Cape St. Cricq.	25° 16.2' S 113° 04.6' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	144 44	10	White fiberglass hut; 7.	Visible 202°-171°.
DENHAM SOUND:							
9220 K 1730	-Denham Channel, NW. end, No. 1.	25° 53.3' S 113° 14.9' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	4	STARBOARD (A) G, beacon, topmark.	Channel marked by lighted beacons.

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<b>AUSTRALIA-WEST COAST</b>							
9224 K 1732	--SE. end, No. 12.	25° 58.2' S 113° 23.4' E	<b>Q.(9)W.</b> period 15s			6 W. CARDINAL YBY, beacon, topmark.	
9225 K 1735	-Slope Island, jetty.	26° 05.3' S 113° 25.1' E	<b>Q.R.</b>	65 20	3		F.G. and F.R. mark N. and S. ends.
9226	-Salt Works, AVIATION LIGHT.	26° 08.5' S 113° 25.4' E	<b>F.R.</b>	72 22	4	On top of water tower.	
9228 K 1726	<b>Cape Peron.</b>	25° 31.0' S 113° 30.9' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	187 57	17		
9232 K 1733	-Denham, outer.	25° 56.2' S 113° 30.8' E	<b>Fl.R.</b> period 3s	26 8	3	PORT (A) R, beacon, topmark.	
9236 K 1733.4	--Inner.	25° 56.0' S 113° 31.8' E	<b>Fl.(2)R.</b> period 6s	26 8	5	PORT (A) R, beacon, topmark.	
9240 K 1726.2	-Red Cliff Bay.	25° 45.8' S 113° 42.7' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s		1	PORT (A) R, beacon, topmark.	
9242 K 1727	-Eastern Bluff.	25° 47.0' S 113° 42.7' E	<b>Fl.R.</b> period 3s			PORT (A) R, beacon, topmark.	
SHARK BAY:							
9248 K 1722	<b>-Carnarvon AVIATION LIGHT.</b>	24° 53.0' S 113° 39.8' E	<b>Fl.W.</b> period 10s	90 27	15		Occasional.
9252 K 1718	<b>-Babbage Island.</b>	24° 52.6' S 113° 37.9' E	<b>Fl.W.R.</b> period 5s	98 30	W. 16 R. 5	White square wooden framework tower; 59.	R. 343°-029°, W.-137°, R.- 163°.
9254 K 1720	-Teggs Channel No. 1.	24° 54.4' S 113° 37.7' E	<b>Q.(6)+L.Fl.W.</b> period 15s		6	S. CARDINAL YB, beacon, topmark.	
9255 K 1721.4	--Range, front.	24° 54.2' S 113° 38.3' E	<b>Q.W.</b>	20 6	4	White pile.	Channel marked by Q.G. and Q.R. lights.
9255.1 K 1721.41	---Rear, 110 meters 079°22' from front.	24° 54.2' S 113° 38.4' E	<b>Iso.W.</b> period 4s	23 7	4	White pile.	
9256 K 1719	-Island, jetty, head.	24° 52.9' S 113° 37.0' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	26 8	3	Wooden platform; 16.	
9260 K 1719.4	-Island, jetty, head.	24° 53.0' S 113° 37.8' E	<b>F.G.</b>		2		
9264 K 1717	-Cape Ronsard.	24° 45.5' S 113° 09.3' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	66 20	10	White fiberglass hut; 7.	
9268 K 1716	<b>-Point Quobba.</b>	24° 28.8' S 113° 25.1' E	<b>Fl.(4)W.</b> period 20s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 3.2s fl. 0.1s, ec. 10s	210 64	16	White round concrete tower, cupola dome; 59.	
9270 K 1715.3	<b>Cape Cuvier.</b>	24° 13.2' S 113° 23.8' E	<b>F.W.</b>		16		
9272 K 1714	<b>Point Cloates.</b>	22° 42.6' S 113° 40.8' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	128 39	17	White fiberglass hut; 7.	
9276 K 1710	<b>North West Cape.</b>	21° 48.4' S 114° 09.6' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	423 129	24	Metal framework tower; 997.	F.R. on tower 5.1 miles SSW.
9280 K 1712	Y Islet.	21° 57.1' S 114° 25.3' E	<b>Fl.(2)W.</b> period 5s	39 12	10		



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-WEST COAST</b>							
9284 <i>K 1702</i>	Bessiers Island, (Anchor Island).	21° 31.6' S 114° 45.7' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	89 27	9	White fiberglass hut; 13.	
<b>AUSTRALIA-NORTH COAST</b>							
BEADON BAY:							
9296 <i>K 1704.1</i>	<b>-Onslow.</b>	21° 38.6' S 115° 07.0' E	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	83 25	15	White steel tower; 59.	
9298 <i>K 1704.2</i>	-Jetty, head.	21° 37.6' S 115° 05.8' E	<b>Mo.(U)W.</b> period 15s	69 21			
9302 <i>K 1707.4</i>	-Groin, head.	21° 38.3' S 115° 08.0' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	23 7	7		
MARY ANNE PASSAGE:							
9304 <i>K 1698</i>	<b>-Airlie Island.</b>	21° 19.4' S 115° 10.1' E	<b>Fl.(4)W.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	85 26	17	Steel framework tower with white lantern; 79.	
9308 <i>K 1696</i>	-Mary Anne Reef.	21° 15.7' S 115° 27.8' E	<b>Fl.W.</b> period 5s	26 8	10		
BARROW ISLAND:							
9312 <i>K 1695</i>	-Great Sandy Island.	21° 11.9' S 115° 38.3' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	56 17	10	White fiberglass hut; 7.	
9316 <i>K 1694</i>	-North Sandy Island.	21° 06.2' S 115° 39.2' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	85 26	10	Steel framework tower with white lantern; 66.	
9320 <i>K 1692.4</i>	-Double Island.	20° 44.1' S 115° 29.8' E	<b>Fl.W.</b> period 6s fl. 0.6s, ec. 5.4s	56 17	5	Metal post; 7.	
9326 <i>K 1693.5</i>	Bambra caisson.	20° 32.8' S 115° 36.3' E	<b>Mo.(U)Y.</b> period 15s	59 18	10	Platform.	
9328 <i>K 1691.98</i>	<b>North West Island.</b>	20° 21.6' S 115° 31.5' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	55 17	18	White fiberglass hut; 13.	
9332 <i>K 1691.99</i>	Trimouille Island.	20° 24.5' S 115° 34.5' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	128 39	11	White fiberglass hut; 7.	
9334 <i>K 1687.85</i>	<b>CALM Wanaea.</b>	19° 35.4' S 116° 26.8' E	<b>Mo.(U)W.</b> period 15s			Storage tanker.	
9336 <i>K 1690.4</i>	Rosemary Island, N. end.	20° 28.6' S 116° 36.0' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	154 47	10	White fiberglass hut; 7.	
9340 <i>K 1690.6</i>	Courtenay Head, Malus Island.	20° 30.4' S 116° 41.4' E	<b>Fl.(6)W.</b> period 15s	250 76	10	Hut; 8.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
PORT OF DAMPIER:							
9340.2	-Sea Buoy.	20° 25.4' S 116° 43.0' E	<b>Fl.(4)Y.</b> period 10s			SPECIAL Y, conical.	
	-RACON		<b>M(- -)</b>				(3 & 10cm).
9340.5 K 1691	-Fairway beacon.	20° 32.0' S 116° 42.2' E	<b>Fl.G.</b> period 3s			8 STARBOARD (A) G, pile, topmark.	Channel marked by lights.
9340.7 K 1691.205	-Parker Point Wharf, off W. end.	20° 38.2' S 116° 43.0' E	<b>F.R.</b>				
9340.72 K 1691.207	--Off elbow.	20° 38.2' S 116° 43.2' E	<b>F.R.</b>				F.R. and 2 F.Y. mark service wharf close E.
9340.8 K 1691.4	-King Bay, Fairway No. 1.	20° 37.7' S 116° 44.1' E	<b>L.Fl.W.</b> period 10s	26 8		5 SAFE WATER RW, beacon, topmark.	Channel marked by lights.
9340.82 K 1691.41	-King Bay Range 7, front.	20° 37.7' S 116° 44.8' E	<b>Q.G.</b>	23 7		3 Green beacon, white triangular daymark point up.	
9340.83 K 1691.411	--Rear A, 250 meters 095° from front.	20° 37.8' S 116° 44.9' E	<b>Iso.W.</b> period 4s	33 10		4 Black beacon, white triangular daymark point down.	
9340.9 K 1691.55	-Roe Point.	20° 37.9' S 116° 39.9' E	<b>Fl.(3)G.</b> period 5s			3 STARBOARD (A) G, beacon, topmark.	
9340.92 K 1691.65	-Channel Reef.	20° 38.3' S 116° 39.2' E	<b>Q.G.</b>			STARBOARD (A) G, beacon, topmark.	
9340.94 K 1691.66	-South Reef.	20° 39.0' S 116° 39.0' E	<b>Fl.(3)R.</b> period 10s			PORT (A) R, beacon, topmark.	
9340.96 K 1691.62	-Mistaken Island Wharf, E. end.	20° 39.1' S 116° 39.6' E	<b>Iso.R.</b> period 6s			7	Iso.R. 6s 7M marks W. end.
9340.97 K 1691.57	-E. Intercourse Island Layby Berth Range, front.	20° 39.1' S 116° 40.1' E	<b>Q.Bu.</b>	36 11		2 Metal pile with platform, yellow triangular daymark point up.	
9340.98 K 1691.58	--Rear, 242°31' from front.	20° 39.1' S 116° 40.1' E	<b>Iso.Bu.</b> period 4s	36 11		2 Metal pile with platform, yellow triangular daymark point down.	
9341 K 1691.78	-E. Intercourse Island.	20° 39.2' S 116° 41.0' E	<b>F.R.</b>	203 62		3	
9341.2 K 1691.7	--Hamersly Wharf, off E. end.	20° 38.9' S 116° 40.6' E	<b>F.R.</b>			4	F.R. 4M marks W. end.
9341.5 K 1691.77	-Port Control Tower.	20° 39.3' S 116° 40.8' E	<b>F.R.</b>			6	On control tower.
9341.7 K 1691.8	-Hampton Harbor.	20° 40.1' S 116° 41.4' E	<b>Dir.F.W.R.G.</b>			3	Channel marked by lights.
9341.75 K 1691.82	--227°.	20° 39.8' S 116° 41.1' E	<b>Dir.F.W.R.G.</b>			2	
9342 K 1691.85	-Mermaid Sound Range, common front, No. 9.	20° 32.8' S 116° 43.2' E	<b>Q.Bu.</b>	19 6		6 Yellow and green pile structure, double cone daymark points up.	Synchronized with rear lights. <b>Radar reflector.</b>
9342.1 K 1691.84	--Rear, 577 meters 189° from front, No 9S.	20° 33.1' S 116° 43.1' E	<b>Iso.Bu.</b> period 4s	59 18		6 Yellow and green pile structure, triangular daymark point down.	<b>Radar reflector.</b>
9342.2 K 1691.86	--Rear about 286 meters 312° from front, No. 9W.	20° 32.7' S 116° 43.0' E	<b>Iso.Bu.</b> period 4s	49 15		6 Yellow and green pile structure, triangular daymark point down.	<b>Radar reflector.</b>
9343.2 K 1691.88	-Range, front, No. 16.	20° 35.2' S 116° 46.0' E	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	19 6		8 Black pile, white triangular daymark point up.	
9343.4 K 1691.881	--Rear A, 480 meters 132° from front.	20° 35.4' S 116° 46.2' E	<b>Oc.G.</b> period 5s	46 14		8 Orange pile structure, triangular daymark point down.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
9343.5 <i>K 1691.92</i>	-Withnell Bay Terminal.	20° 35.1' S 116° 45.7' E	<b>Fl.R.</b> period 3s	20 6	3	Gray post.	
9343.6 <i>K 1691.969</i>	-Dampier Cargo Wharf.	20° 37.1' S 116° 45.1' E	<b>F.Bu.</b>	194 59	6		
9344 <i>K 1690</i>	Legendre Island.	20° 21.5' S 116° 50.6' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 6.6s	108 33	14	White fiberglass hut; 13.	
9346 <i>K 1690.2</i>	Nickol Bay.	20° 43.5' S 116° 53.7' E	<b>2 Fl.G.</b> period 2s				
PORT OF WALCOTT:							
9348 <i>K 1685.4</i>	-Cape Lambert, oreloading jetty, head.	20° 34.5' S 117° 12.3' E	<b>F.R.</b>	69 21	2	Neon rectangular daymark.	2 F.R. neon daymarks on each head dolphin. Ore Wharf (conveyor) marked by 5 F.W. and 1 F.Bu.
9353 <i>K 1685.8</i>	Sams Creek Reef.	20° 35.5' S 117° 12.3' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
9357 <i>K 1685.9</i>	Point Samson Reef.	20° 37.6' S 117° 12.2' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	
9362	<i>Buoy C1.</i>	20° 23.5' S 117° 25.3' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, pillar, topmark.	
	RACON		<b>K(- • -)</b> period 48s		10		(3 & 10cm).
9364 <i>K 1683.85</i>	AVIATION LIGHT.	20° 23.0' S 118° 37.7' E	<b>Al.Fl.W.G.</b> period 7.5s	98 30	27	Control tower.	Occasional.
PORT HEDLAND:							
9374 <i>K 1676</i>	-C1.	19° 59.5' S 118° 26.2' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	26 8	10	Gray metal pile, green triangular daymark point up.	Approach and channel to Port Hedland marked by lighted beacons C3 through No. 51.
	-RACON		<b>G(- - •)</b>		11		(3 & 10cm).
9375 <i>K 1676.2</i>	-C2.	19° 59.6' S 118° 26.4' E	<b>Fl.R.</b> period 2s fl. 0.5s, ec. 1.5s	26 8	6	Gray metal pile, red square daymark; 20.	
9375.5 <i>K 1675.8</i>	-No. 2E.	20° 03.1' S 118° 32.8' E	<b>Q.(9)W.</b> period 15s	36 11	6	W. CARDINAL YBY, beacon.	
9376 <i>K 1679.2</i>	-Newman Range, front.	20° 15.7' S 118° 35.2' E	<b>Q.W.</b>	63 19	9		
9380 <i>K 1679.21</i>	--Rear, 760 meters 137°53' from front.	20° 16.0' S 118° 35.5' E	<b>Iso.W.</b> period 4s	91 28	10		
9384 <i>K 1680</i>	-Goldsworthy and Spoil Ground Range, common front.	20° 17.5' S 118° 35.5' E	<b>Q.W.</b>	30 9	10		
			<b>Q.Bu.</b>		2		Visible 042°-052°.
9388 <i>K 1679.99</i>	--Goldsworthy, middle, 400 meters 156° from common front.	20° 17.7' S 118° 35.6' E	<b>Iso.W.</b> period 4s	49 15	10		
9392 <i>K 1679.98</i>	--Goldsworthy, rear, 1.11 miles 156° from common front.	20° 18.6' S 118° 36.0' E	<b>F.Bu.</b>	88 27	12	Red framework tower; 89.	F.R. by day.
9393 <i>K 1680.01</i>	--Spoil ground, rear, 613 meters 046°48' from common front.	20° 17.3' S 118° 35.8' E	<b>Fl.Bu.</b> period 2s				Visible 042°-052°.

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<b>AUSTRALIA-NORTH COAST</b>							
9396 <i>K 1681.9</i>	-Utah and Airey Range, common front.	20° 18.9' S 118° 34.0' E	<b>F.R.</b>	131 40			
			<b>F.Bu.</b>	26 8	4		Visible 212°-232°.
9398 <i>K 1681.91</i>	--Utah, rear, 297°48' from common front.	20° 18.9' S 118° 34.0' E	<b>F.R.</b>	59 18			
9400 <i>K 1682</i>	-Airey Range, rear, 221°48' from common front.	20° 19.0' S 118° 34.0' E	<b>F.Bu.</b>	33 10	4		Visible 180°-000°.
	-Leslie Range, rear.		<b>F.R.</b>	144 44			
9404 <i>K 1681.99</i>	-Leslie Range, front, 143 meters 107°42' from rear.	20° 19.1' S 118° 34.0' E	<b>F.R.</b>	121 37			
9408 <i>K 1683.835</i>	-Anderson Range, front.	20° 19.5' S 118° 34.4' E	<b>Q.R.</b>	30 9	2	Beacon, triangular daymark point up.	
9412 <i>K 1683.836</i>	--Rear, 230 meters 155°32' from front.	20° 19.6' S 118° 34.6' E	<b>Fl.R.</b> period 2s	47 14	2	Beacon, triangular daymark point down.	
9413 <i>K 1683.7</i>	-Shelf Range, front.	20° 19.1' S 118° 33.9' E	<b>F.R.</b>			Beacon, triangular daymark point up.	
9413.1 <i>K 1683.71</i>	--Rear, 105 meters 279°19' from front.	20° 19.1' S 118° 33.8' E	<b>F.R.</b>			Beacon, triangular daymark point down.	
9414 <i>K 1683.811</i>	-Nelson Range, front.	20° 19.6' S 118° 34.9' E	<b>F.R.</b>	26 8		Beacon, red triangular daymark point up.	
9414.5 <i>K 1683.812</i>	--Rear, 125 meters 116°54' from front.	20° 19.5' S 118° 35.0' E	<b>F.R.</b>	39 12		Beacon, red triangular daymark point down.	
9416 <i>K 1675</i>	Bedout Island.	19° 35.3' S 119° 06.1' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	79 24	12	Steel framework tower with white lantern; 66.	
	RACON		<b>O(---)</b> period 120s		15		(3 & 10cm).
	ROWLEY SHOALS:						
9424 <i>K 1674</i>	-Imperieuse Reef.	17° 31.1' S 118° 56.9' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	100 30	16	Steel column; 98.	
	-RACON		<b>Q(---)</b> period 120s		16		(3 & 10cm).
	ROEBUCK BAY:						
9428 <i>K 1660</i>	-Gantheaume Point.	17° 58.4' S 122° 10.6' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	108 33	18	Steel framework tower with white lantern; 79.	
9432 <i>K 1662</i>	-Entrance Point.	18° 00.3' S 122° 12.4' E	<b>Fl.W.R.</b> period 5s	106 32	W. 10 R. 8	Framework tower; 16.	R. 139°-319°, W.-139°.
9436 <i>K 1663</i>	-AVIATION LIGHT.	17° 57.1' S 122° 14.0' E	<b>Fl.W.</b> period 10s	65 20	26		Occasional. <b>Aero Radiobeacon</b> 0.8 mile NNW.
9438 <i>K 1662.5</i>	-Broome, Deep Water Approach Range, front.	18° 00.1' S 122° 13.1' E	<b>F.Bu.</b>	52 16	6	Tapered metal tower, orange triangular daymark point up; 39.	
9438.1 <i>K 1662.51</i>	--Rear, 140 meters 022° from front.	18° 00.0' S 122° 13.1' E	<b>F.Bu.</b>	72 22	6	Tapered metal tower, orange triangular daymark point down; 56.	

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<b>AUSTRALIA-NORTH COAST</b>							
9445 <i>K 1669.3</i>	-Channel Rock.	18° 00.6' S 122° 12.9' E	<b>Fl.(2)W.</b> period 5s	23 7	3	ISOLATED DANGER BRB, beacon, topmark.	
9445.4 <i>K 1669</i>	-Jetty, head.	18° 00.0' S 122° 13.1' E	<b>F.R.</b>		1		
9445.6 <i>K 1669.4</i>	-Mooring Buoy Range, front.	18° 00.2' S 122° 12.7' E	<b>F.Bu.</b>		2		
9445.61 <i>K 1669.41</i>	--Rear, 37 meters 234° from front.	18° 00.2' S 122° 12.7' E	<b>F.Bu.</b>		2		
9447 <i>K 1659</i>	<b>Red Bluff.</b>	17° 03.3' S 122° 19.1' E	<b>Fl.(2)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 11s	157 48	15	White fiberglass hut; 13.	
9448 <i>K 1658</i>	<b>East Island.</b>	16° 54.0' S 122° 11.9' E	<b>Fl.W.</b> period 2s fl. 0.1s, ec. 1.9s	82 25	15	Steel framework tower; 56.	
9452 <i>K 1650</i>	<b>Cape Leveque.</b>	16° 23.8' S 122° 55.7' E	<b>Fl.W.</b> period 12s fl. 0.2s, ec. 11.8s	142 43	21	White metal tower and lantern; 43.	
KING SOUND:							
9456 <i>K 1654</i>	-Black Rocks.	17° 05.2' S 123° 35.4' E	<b>L.Fl.W.</b> period 12s fl. 2s, ec. 10s	39 12	12		
9460 <i>K 1656</i>	-Derby Range, front.	17° 17.5' S 123° 36.7' E	<b>Q.W.</b>	46 14	6	Orange triangular daymark point up.	
9464 <i>K 1656.1</i>	--Rear, 400 meters 138°44' from front.	17° 17.7' S 123° 36.8' E	<b>Iso.W.</b> period 4s	79 24	6	Orange triangular daymark point down.	
BUCCANEER ARCHIPELAGO:							
9468 <i>K 1646</i>	-Caffarelli Island.	16° 02.5' S 123° 16.9' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	222 68	12	White metal tower with white lantern; 20.	
9472 <i>K 1643</i>	-Tanner Islet, summit.	16° 05.7' S 123° 31.8' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	77 23	12	White concrete tower with lantern; 20.	
9500 <i>K 1640</i>	<b>-Adele Island.</b>	15° 30.6' S 123° 09.4' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	102 31	15	Red metal framework tower; 98.	
	-RACON		<b>C(- • - •)</b>		16		(3 & 10cm).
9504 <i>K 1642</i>	Browse Island.	14° 06.5' S 123° 32.9' E	<b>Fl.(2)W.</b> period 6s fl. 1s, ec. 5s	56 17	11	White five-sided fiberglass tower; 36.	
	RACON		<b>O(- - -)</b>		13		(3 & 10cm).
9508 <i>K 1641</i>	Degerando Island.	15° 20.2' S 124° 11.6' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	120 37	12	White round metal house; 20.	
SAHUL BANKS:							
9511 <i>K 1639.3</i>	-SPM Skua.	12° 40.3' S 124° 32.4' E	<b>Mo.(U)W.</b> period 15s			Turret mooring.	

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<b>AUSTRALIA-NORTH COAST</b>							
9512 K 1638	Lesueur Island.	13° 49.1' S 127° 16.0' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	67 20	11	Steel framework tower, fiberglass hut at base; 56.	
CAMBRIDGE GULF:							
9516 K 1636	-Lacrosse Island.	14° 44.3' S 128° 17.8' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	370 113	17	White round metal hut; 20.	
	-RACON		<b>M(- -)</b>		27		(3 & 10cm).
9518 K 1636.3	-Adolphus Island, Nicholls Point.	15° 02.5' S 128° 07.6' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s		10	White structure.	
9520 K 3318	Cape Fourcroy.	11° 47.8' S 130° 01.5' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	98 30	12	White metal framework tower; 49.	Visible 316°-200°.
CLARENCE STRAIT:							
-Port Darwin:							
9524 K 3321	--Charles Point.	12° 23.4' S 130° 37.9' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	128 39	17	White framework tower, red bands, central column with white lantern; 105.	
9528 K 3324	--Emery Point.	12° 27.2' S 130° 48.9' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	60 18	W. 19 R. 14	White metal framework tower; 30.	W. 335°-139°, R.-181°. 2 F.R. 8M on water tank 1 mile E. <b>Aero Radiobeacon</b> 9.2 miles E.
9529 K 3325	--Fannie Bay Sandspit.	12° 27.1' S 130° 48.9' E	<b>Q.(2)Bu.</b> period 5s	13 4	4	Black metal pole; 13.	
9532 K 3323	--AVIATION LIGHT, 8.7 km 055° from Emery Point Light.	12° 24.6' S 130° 52.9' E	<b>Al.FI.W.G.</b> period 10s	236 72	26	Tower.	2 F.R. on radio masts 0.1 mile SW., F.R. and FL.R. on sign 0.4 mile ENE.
9533 K 3328	--Naval Base Range, front.	12° 27.6' S 130° 49.3' E	<b>F.G.</b>	33 10	3	Mast, white square daymark, green stripe.	
9533.1 K 3328.1	---Rear, 82 meters 305°55' from front.	12° 27.6' S 130° 49.3' E	<b>F.R.G.</b>	46 14	3	Mast, white square daymark, green stripe.	
9534 K 3328.3	---W. breakwater, head.	12° 27.7' S 130° 49.4' E	<b>Fl.(2)R.</b> period 5s	20 6	4	White fiberglass hut.	Visible 295°-088°. F.R. marks end of jetty 400 yards NW.
9535 K 3328.4	---E. breakwater, head.	12° 27.7' S 130° 49.6' E	<b>Fl.(2)G.</b> period 5s	16 5	6	Mast, square concrete base.	
9535.4 K 3328.402	--Frances Bay.	12° 27.3' S 130° 50.9' E	<b>2 F.R.</b>				Occasional.
-East Arm Port:							
9535.5 K 3328.6	--East Arm Port Range, front.	12° 29.7' S 130° 53.1' E	<b>F.Bu.</b>	19 6	6	White beacon.	
9535.51 K 3328.61	---Rear, 200 meters 121°55' from front.	12° 29.8' S 130° 53.2' E	<b>F.Bu.</b>	36 11	6	White beacon.	
			<b>Q.Bu.</b>		3		Visible 212°-032°.
9535.53 K 3328.48	--B01.	12° 29.2' S 130° 51.8' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	Channel marked by beacons.
9535.55 K 3328.5	--NW End.	12° 29.2' S 130° 52.6' E	<b>Oc.R.</b> period 3s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
9535.6 K 3329	--South Shell Island.	12° 29.8' S 130° 53.1' E	<b>Fl.(2)R.</b> period 4s			PORT (A) R, beacon, topmark.	
9535.65 K 3329.2	--Old Man Rock.	12° 29.9' S 130° 54.2' E	<b>Q.(3)R.</b> period 6s	7 2		PORT (A) R, beacon, topmark.	
9535.66 K 3329.61	--L01A, front.	12° 30.6' S 130° 53.7' E	<b>F.Bu.</b>			Beacon, triangular daymark point up.	
			<b>Fl.Y.</b> period 2s				
9535.661 K 3329.62	---Rear, 128°42' from front.	12° 30.7' S 130° 53.8' E	<b>F.Bu.</b>			Beacon, triangular daymark point down.	
			<b>Fl.Y.</b> period 2s				
9535.67 K 3329.541	--L02A, front.	12° 30.5' S 130° 55.3' E	<b>F.Bu.</b>			Beacon, triangular daymark point up.	
			<b>Fl.Y.</b> period 2s				
9535.671 K 3329.542	---Rear, 094°18' from front.	12° 30.5' S 130° 55.4' E	<b>F.Bu.</b>			Beacon, triangular daymark point down.	
			<b>Fl.Y.</b> period 2s				
9535.7 K 3329.7	-Wickham Point LNG Jetty Range, front.	12° 31.6' S 130° 51.7' E	<b>F.Bu.</b>			Beacon.	
9535.71 K 3329.8	--Rear, 1800 meters 072°12' from front.	12° 31.5' S 130° 51.8' E	<b>F.Bu.</b>			Beacon.	
9535.9 K 3330	-Fish Reef.	12° 25.9' S 130° 26.6' E	<b>L.Fl.W.R.</b> period 10s fl. 2s, ec. 8s	33 10	W. 10 R. 8	Concrete tower.	W. 056°-257°, R.-056°.
9536 K 3317	-Southwest Vernon Island.	12° 05.9' S 131° 01.9' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	26 8	10	White fiberglass hut on concrete column; 16.	<b>Radar reflector.</b>
9538 K 3317.5	-Northwest Vernon Island.	12° 02.9' S 130° 59.8' E	<b>Fl.(2)W.R.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 9	W. 10 R. 8	White fiberglass hut on pile structure; 30.	W. 305°-020°, R.-061°, W.- 244°.
9540 K 3316	-East Vernon Island, S. side.	12° 04.6' S 131° 05.7' E	<b>Fl.W.R.G.</b> period 5s fl. 1s, ec. 4s	39 12	W. 11 R. 8 G. 8	White fiberglass hut on metal framework tower, on concrete pile; 36.	W. 250°-042°, R.-088°, W.- 094°, G.-105°, obscured elsewhere.
9544 K 3315	-Cape Hotham.	12° 02.8' S 131° 17.4' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	56 17	W. 12 R. 9	White metal framework tower; 52.	R. 025°-070°, W.-025°.
9548 K 3314	<b>Cape Don.</b>	11° 18.5' S 131° 45.9' E	<b>Fl.W.</b> period 12s fl. 0.1s, ec. 11.9s	163 50		Gray concrete tower with white lantern; 118.	
9552 K 3313	<b>New Year Island.</b>	10° 54.4' S 133° 02.1' E	<b>Fl.(3)W.</b> period 30s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 19.9s	104 32		White metal framework tower; 98.	
9552.2 K 3313.4	Cape Croker.	10° 58.8' S 132° 35.5' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	105 32	10	White fiberglass hut; 13.	Visible 075°-347°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
9552.5 K 3312.8	Haul Round Island.	11° 53.5' S 134° 12.7' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	White fiberglass tower; 23.	
9553 K 3312.5	Stevens Island.	11° 32.7' S 136° 07.3' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	10	White fiberglass tower; 20.	Visible 083°-006°.
9556 K 3312	<b>Cape Wessel.</b>	11° 00.3' S 136° 45.6' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	177 54	17	White fiberglass hut on stainless steel framework tower; 98.	
	RACON		<b>Y(- • - -)</b>		20		(3 & 10cm).
9560 K 3311	<b>Truant Island.</b>	11° 40.2' S 136° 50.0' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	128 39	17	Round metal tower; 49.	
9564 K 3310.5	Veronica Islet.	12° 02.6' S 136° 47.1' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	66 20	10	White fiberglass hut; 7.	
GOVE HARBOR:							
9565 K 3309	-Five Fathoms.	12° 12.7' S 136° 40.4' E	<b>Q.R.</b>			Red pile.	
9566 K 3310	-Half Tide Rock.	12° 12.7' S 136° 41.4' E	<b>Fl.(2)W.</b> period 10s			Black beacon, red band.	
9567 K 3310.2	-General Cargo Wharf.	12° 12.3' S 136° 40.8' E	<b>Fl.R.</b> period 4s			Dolphin.	
9568 K 3305	<b>North East Islet.</b>	13° 38.0' S 136° 57.1' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	205 62	17	White fiberglass hut; 7.	
9572 K 3306	Bickerton Island.	13° 47.2' S 136° 16.9' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	78 24	9	White fiberglass hut; 7.	Visible 200°-027°.
9576 K 3307	Connexion Island.	13° 50.2' S 136° 20.0' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	43 13	7	White fiberglass tower; 36.	Visible 344°-219°.
9578 K 3307.4	Milner Bay, jetty, N. end.	13° 51.6' S 136° 24.9' E	<b>FR.</b>				
9580 K 3308	Brady Rock.	13° 40.9' S 136° 27.0' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	50 15	10	White hut; 7.	
9580.8 K 3304.9	<b>Bing Bong.</b>	15° 37.7' S 136° 23.3' E	<b>Dir.W.R.G.</b>	20 6 14 G. 14	W. 17 R. 14 G. 14		F.G. 195°-19°-196°38', Al.W.G.-196°50', F.W.- 197°17', Al.W.R.-197°29', F.R.-198°49'.
9582 K 3304.8	Albert River.	17° 34.5' S 139° 46.0' E	<b>Fl.W.</b> period 6s	29 9	10	Framework tower; 30.	
9592	<i>Carpentaria Shoal.</i>	10° 44.5' S 141° 03.2' E	<b>Fl.(2)W.</b> period 8s			ISOLATED DANGER BRB, pillar, topmark.	
	RACON		<b>G(- - •)</b>		9		(3 & 10cm).
9596 K 3297	<b>Duyfken Point.</b>	12° 34.2' S 141° 35.9' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	161 49	17	White fiberglass hut on stainless steel framework tower; 98.	Visible 290°-175°, partially obscured 175°-190°.
	RACON		<b>K(- • -)</b>		19		(3 & 10cm).



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
ALBATROSS BAY:							
-Port of Weipa:							
9600 K 3297.4	--S. Channel Fairway Beacon.	12° 42.1' S 141° 40.0' E	<b>L.F.I.W.</b> period 10s				
9604 K 3297.74	--Entrance, No. 2.	12° 42.0' S 141° 42.0' E	<b>F.I.R.</b> period 4s			PORT (A) R, beacon, topmark.	
9608 K 3297.72	--Entrance, No. 1.	12° 42.0' S 141° 42.0' E	<b>F.I.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
9612 K 3298	--Range, front.	12° 40.1' S 141° 50.4' E	<b>F.G.</b>	46 14		White metal tower.	F.W. by day.
9616 K 3298.1	---Rear, 1.7 miles 078° from front.	12° 39.8' S 141° 52.0' E	<b>F.G.</b>	144 44		White metal tower.	F.W. by day.
TORRES STRAIT AND APPROACH:							
9620 K 3274	<b>-Booby Island.</b>	10° 36.3' S 141° 54.7' E	<b>Fl.W.</b> period 10s fl. 0.1s, ec. 9.9s	121 37	20	White round tower, red dome; 59.	
9624 K 3270	-Goods Island Range, front.	10° 33.6' S 142° 09.2' E	<b>Fl.W.R.</b> period 2.5s fl. 0.5s, ec. 2s	26 8	W. 10 R. 7	White fiberglass hut; 7.	R. 085°-180°, W.-085°. Obscured by Hammond and Goods Islands.
9628 K 3270.1	--Western Hill, rear, 505 meters 199° from front.	10° 33.9' S 142° 09.1' E	<b>Fl.W.</b> period 2.5s	345 105	14	White round tower, red dome; 16.	Visible 064°-238° and 290°- 295°. Synchronized with front. <b>AIS</b> (MMSI No 995031023).
9636 K 3268	-Thursday Island Range, front.	10° 34.7' S 142° 12.4' E	<b>F.Bu.</b>				F.W. by day.
9640 K 3268.1	--Rear, 65 meters 094°12' from front.	10° 34.7' S 142° 12.5' E	<b>Dir.W.R.G.</b>				F.G. 091.7°-093.8°, F.W.- 094.7°, F.R.-096.8°.
9648 K 3268.5	-Vivien Point.	10° 35.3' S 142° 12.6' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	
9652 K 3266	-Hammond Rock.	10° 30.9' S 142° 12.8' E	<b>Fl.(2)W.R.G.</b> period 10s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 5.5s	43 13	W. 10 R. 7 G. 7	White structure; 6.	G. 039°-063°, W.-262°, R.- 307°.
9654 K 3266.5	-North West Reef.	10° 29.0' S 142° 14.8' E	<b>Iso.W.</b> period 5s	23 7	11	White fiberglass hut on white column; 19.	<b>Radar reflector.</b>
9656 K 3267	-Hammond Island, N. extremity, Turtle Head.	10° 31.3' S 142° 13.2' E	<b>Dir.FI.W.R.G.</b> period 2.5s	62 19	W. 10 R. 7 G. 7	White fiberglass hut; 7.	G. 237°-246°, W.-251°, R.- 259°.
9658 K 3265.2	-Prince of Wales Channel. Nardana Patches.	10° 30.3' S 142° 14.6' E	<b>Fl.(4)R.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 9	9	White hut, on white pile; 26.	Visible 235°-122°. Helicopter pad.
9660 K 3262	-Wednesday Island, Ince Point.	10° 30.4' S 142° 18.8' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	131 40	W. 10 R. 7	White hut; 20.	W. 050°-092°, R.-102°, W.- 300°, R.-345°.
9662 K 3263	-Tuesday Islets, No. 4.	10° 33.2' S 142° 19.8' E	<b>Fl.W.R.G.</b> period 2.5s	39 12	W. 10 R. 7 G. 7	White hut; 13.	G. 075°-086°, W.-094°, R.- 101°, W.-195°, R.-210°, W.-245°, obsc.-269°, W.- 075°. <b>Radar reflector.</b>
9662.1 K 3262.9	--Beacon.	10° 33.1' S 142° 19.6' E	<b>Fl.Y.</b> period 2s			SPECIAL Y, beacon, topmark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
9664 K 3265	-Normanby Sound Range, front.	10° 35.7' S 142° 13.2' E	<b>Dir.Q.Y.</b>			Beacon, white triangular daymark point up, black stripe.	
			<b>FI.G.</b> period 2.5s				
9668 K 3265.1	--Rear, 1.2 miles 112°18' from front.	10° 36.2' S 142° 14.4' E	<b>Dir.Iso.W.</b> period 2s			Beacon, white rectangular daymark, black stripe.	
9672 K 3264	-Horn Island AVIATION LIGHT.	10° 35.7' S 142° 19.1' E	<b>Oc.R.</b> period 1.5s fl. 1s, ec. 0.5s	376 115	11		Obstruction light. Occasional.
9676 K 3260	-Twin Island.	10° 27.8' S 142° 26.9' E	<b>Fl.W.R.</b> period 5s fl. 1s, ec. 4s	226 69	W. 10 R. 7	White fiberglass hut; 20.	R. 088°-100°, W.-088°.
9680 K 3258	-East Strait Island Range, front.	10° 29.8' S 142° 26.8' E	<b>Q.W.</b>	19 6	14	White hut on concrete column; 22.	Visible 085°-095°.
9684 K 3258.1	--Rear, 545 meters 090° from front.	10° 29.8' S 142° 27.1' E	<b>Fl.W.</b> period 10s fl. 2s, ec. 8s	82 25	15	White and red checkered hexagonal fiberglass tower; 49.	
9688 K 3278	-Harvey Rocks.	10° 18.7' S 142° 41.1' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	49 15	10	White fiberglass hut on red framework tower; 26.	
9689 K 3278.7	-Ackers Shoal.	10° 18.6' S 142° 48.7' E	<b>Q.(6)+L.Fl.W.</b> period 15s	23 7	6	Pile with platform; 20.	<b>Radar reflector.</b>
9690 K 3278.5	-Kirkcaldie Reef.	10° 20.0' S 142° 50.0' E	<b>Fl.W.R.</b> period 2.5s fl. 0.5s, ec. 2s	29 9	W. 10 R. 8	Red fiberglass hut on white concrete column; 26.	W. 214°-205°, R-214°.
	-RACON		<b>K(- • -)</b>		11		(3 & 10cm).
9692 K 3279	-Sue Islet.	10° 12.0' S 142° 49.2' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	10	White fiberglass hut on concrete column; 16.	Visible 005°-288°.
9696 K 3280	-Bet Reef.	10° 10.3' S 142° 55.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	27 8	10	White fiberglass hut on red framework tower; 23.	Visible 070°-054°. Partially obscured 054°-070°.
9698 K 3282	-Caldbeck Reef.	10° 06.3' S 143° 10.0' E	<b>Fl.(4)W.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	23 7	10	Rectangular daymark, on white pile; 20.	<b>Radar reflector.</b>
9700 K 3284	-Dove Islet.	10° 00.0' S 143° 02.4' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	10	White fiberglass hut on framework tower; 26.	
9702 K 3286	-Sugar Ran Reef.	9° 53.8' S 143° 13.1' E	<b>Fl.R.</b> period 2.5s fl. 0.5s, ec. 2s	33 10	6	Red pile, red square daymark on red hut; 23.	<b>Radar reflector.</b>
9704 K 3285	-Arden Islet.	9° 52.1' S 143° 10.1' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	53 16	10	White metal framework tower; 42.	
9706 K 3287	Smith Cay.	9° 45.9' S 143° 19.2' E	<b>Q.(9)W.</b> period 15s	30 9	11	W. CARDINAL YBY, pile, topmark; 23.	<b>Radar reflector.</b>
	RACON		<b>B(- • • •)</b>		11		(3 & 10cm).
9708 K 3288	-Dalrymple Islet, W. end.	9° 36.9' S 143° 17.9' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	79 24	10	White fiberglass hut on stainless steel framework tower; 75.	
	-RACON		<b>M(- -)</b>		15		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-NORTH COAST</b>							
9712 K 3292	<b>-Bramble Cay.</b>	9° 08.5' S 143° 52.6' E	<b>Fl.(4)W.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 7.4s	62 19	16	Steel framework tower with white fiberglass hut; 56.	
	-RACON		<b>K(- • -)</b>		14		(3 & 10cm).
9714 K 3290	<b>-East Cay.</b>	9° 24.1' S 144° 14.3' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	105 32	14	Red fiberglass tower on metal framework four-piled structure; 102. Helicopter platform.	
	-RACON		<b>G(- - •)</b>		16		(3 & 10cm).
9721 K 3257	<b>Red Island Range, front.</b>	10° 50.3' S 142° 22.8' E	<b>Q.Y.</b>		6	Beacon, triangular topmark point up.	
9722 K 3257.1	<b>-Rear, 85 meters 112°30' from front.</b>	10° 50.3' S 142° 22.8' E	<b>Iso.W.</b> period 2s		8	Beacon, triangular topmark point down.	

# Section 10

## Northeast Coast of Australia

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
ADOLPHUS CHANNEL:							
9724 K 3256	-Eborac Island.	10° 40.9' S 142° 32.0' E	<b>Fl.(2)W.</b> period 10s	118 36		White square concrete house with white lantern; 20.	
9728 K 3254	-Albany Rock.	10° 43.1' S 142° 37.8' E	<b>Fl.W.R.G.</b> period 5s	85 26	W. 11 R. 8 G. 8	White square concrete house with white lantern; 20.	W. 293°-302°, G.-145°, W.-160°, R.-293°.
9732 K 3252	-Wyborn Reef.	10° 49.2' S 142° 46.5' E	<b>Fl.(4)W.R.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	70 21	W. 11 R. 8	Steel framework tower with white lantern, on concrete piles; 69.	R. 133°-143°, W.-133°. R. sector should not be relied upon as an aid to navigation between Mid Rock and Quetta Rock.
9736 K 3250	Cairncross Islets.	11° 14.4' S 142° 55.2' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	89 27		Red metal framework tower with white fiberglass hut; 85.	
9740 K 3248	<b>Hannibal Islands.</b>	11° 35.6' S 142° 56.7' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	92 28		Red framework tower with white fiberglass hut; 79.	
9744 K 3244	Clerke Island.	11° 58.4' S 143° 17.4' E	<b>Fl.W.R.</b> period 2.5s fl. 0.5s, ec. 2s	69 21	W. 10 R. 7	Red and white fiberglass tower; 52.	R. 034°-117°, Obscured 137°, R.-142°, W.-034°.
9748 K 3243	Moody Reef.	12° 05.0' S 143° 15.5' E	<b>Fl.(2)W.R.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 8	W. 10 R. 8	White concrete column with white fiberglass hut; 23.	R. 208°-251°, W.-208°.
9752 K 3242.5	Inset Reef.	12° 14.8' S 143° 16.2' E	<b>Fl.W.</b> period 7.5s fl. 1s, ec. 6.5s	26 8		Concrete column with white fiberglass hut; 23.	
9756 K 3242	Piper Reef.	12° 15.1' S 143° 14.9' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	39 12		Steel framework tower with white lantern, on concrete piles; 39.	
	RACON		<b>G(- - •)</b>		13		(3 & 10cm).
9760 K 3241	Weymouth Bay, Eel Reef.	12° 24.5' S 143° 22.3' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	30 9		Metal framework tower with red fiberglass hut; 26.	<b>Radar reflector.</b>
9764 K 3240.4	-Middle Reef.	12° 31.5' S 143° 23.7' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	26 8	11	White concrete column with white fiberglass hut; 23.	
9768 K 3240	Restoration Rock.	12° 37.3' S 143° 27.8' E	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	125 38	10	White fiberglass hut; 16.	
9769 K 3239	Quintal Beach Range, front.	12° 47.7' S 143° 21.5' E	<b>Q.Y.</b>	13 4		White post, white triangular daymark point up, black stripes.	
9770 K 3239.1	-Rear, 63 meters 305° from front.	12° 47.7' S 143° 21.6' E	<b>Iso.W.</b> period 2s	26 8		White post, white triangular daymark point down, black stripes.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
9772 K 3238	Wye Reef.	12° 48.4' S 143° 36.5' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	23 7	10	White concrete column with white fiberglass hut; 20.	<b>Radar reflector.</b>
9773 K 3233.15	Sunk Reef.	12° 51.2' S 143° 38.5' E	<b>Iso.W.</b> period 3s	39 12	10	White hut, on white pile.	<b>Radar reflector.</b>
9773.1 K 3233.32	Frederick Patches.	12° 52.3' S 143° 38.2' E	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2s	39 12	8	White hut, on white pile.	<b>Radar reflector.</b>
9774 K 3235.575	Robin Reef.	12° 52.7' S 143° 41.8' E	<b>Fl.(2)W.R.</b> period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	69 21	W. 14 R. 11	White fiberglass tower, on white pile; 66.	R. 112°-150°, W.-327°, R.-340°, W.-112°.
9776 K 3236	Chapman Island.	12° 53.1' S 143° 35.8' E	<b>Fl.W.R.</b> period 5s fl. 1s, ec. 4s	59 18	W. 11 R. 7	Steel framework tower with white lantern, on concrete piles; 62.	R.134°-157°, W.-134°.
9779 K 3235.57	Osborne Reef.	12° 59.7' S 143° 43.5' E	<b>Fl.W.R.</b> period 7.5s fl. 1s, ec. 6.5s	39 12	W. 10 R. 8	White hut, on white pile; 36.	W. 150°-342°, R.-150°. <b>Radar reflector.</b>
9779.1 K 3233.53	Colclough Reef.	13° 05.3' S 143° 45.0' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	6	White hut, on white pile; 36.	<b>Radar reflector.</b>
9780 K 3234	Waterwitch Reef.	13° 09.0' S 143° 37.0' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	59 18	11	Steel framework tower with white lantern, on concrete piles; 62.	
9781 K 3235.05	Diamond Reign Reefs.	13° 11.6' S 143° 47.5' E	<b>Fl.(2)W.R.G.</b> period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	72 22	W. 14 R. 11 G. 11	White fiberglass tower, on white piles; 66.	R. 166°-173.18', W.-309°, G.-329°, W.-331°30', R.-350°, W.-166°.
	RACON		<b>K(- • -)</b>		14		(3 & 10cm).
9786 K 3233.4	First Three Mile.	13° 26.2' S 143° 58.2' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	46 14	10	White fiberglass hut, on white pile; 43.	W. 320°-160°. <b>Radar reflector.</b>
9788 K 3232	Heath Reef, near center.	13° 28.5' S 143° 40.8' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	36 11	W. 10 R. 8	Framework tower with white fiberglass hut, on piles; 36.	R. 182°-217°, W.-182°.
9794 K 3233.325	South Creech Reef.	13° 39.7' S 144° 06.0' E	<b>Fl.(3)W.</b> period 15s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 1.5s fl. 1.5s, ec. 7.5s	46 14	10	White hut, on white pile.	<b>Radar reflector.</b>
9796 K 3229	Magpie Reef, W. end.	13° 48.4' S 143° 44.9' E	<b>Fl.W.R.</b> period 7.5s fl. 1s, ec. 6.5s	26 8	W. 11 R. 8	Concrete column with white fiberglass hut; 23.	R. 320°-337°, W.-320°.
9801 K 3223.2	Corbett Reef.	13° 54.1' S 144° 14.3' E	<b>Fl.W.</b> period 7.5s fl. 1s, ec. 6.5s	69 21	14	White fiberglass on deck, on four white piles.	
	RACON		<b>B(- • • •)</b>		14		(3 & 10cm).
9802 K 3227.5	Iris Reef.	13° 58.1' S 143° 50.2' E	<b>Fl.W.R.G.</b> period 10s fl. 1s, ec. 9s	43 13	W. 14 R. 11 G. 10	Steel platform with red fiberglass tower, on three pile structure; 36.	G. 129°-144°, W.-148°, R.-155°, W.-129°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
9808 K 3226.6	Eden Reef.	14° 04.6' S 143° 55.0' E	<b>Fl.(4)W.R.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	23 7	W. 10 R. 7	White concrete column with white fiberglass hut; 20.	R. 121°-133°, W.-121°.
9812 K 3226	Wharton Reef.	14° 07.5' S 144° 00.5' E	<b>Fl.W.R.G.</b> period 5s fl. 1s, ec. 4s	46 14	W. 10 R. 7 G. 7	White fiberglass tower, on concrete piles; 39.	G. 084°-097°, W.-126°, R.-229°, W.-084°.
9820 K 3224	Pipon Islands.	14° 07.7' S 144° 30.9' E	<b>Fl.(3)W.R.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	85 26	W. 10 R. 7	White fiberglass hut on steel framework tower; 82.	R. 059°-082°, W.-287°, R.-301°, W.-059°.
9824 K 3222	South Barrow Islet.	14° 20.8' S 144° 39.2' E	<b>Fl.W.R.G.</b> period 5s fl. 1s, ec. 4s	86 26	W. 10 R. 7 G. 7	White square concrete tower; 10.	G. 275°-290°, W.-305°, R.-315°, W.-275°.
9828 K 3221.4	Watson Island.	14° 27.5' S 144° 53.6' E	<b>Fl.(4)W.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	20 6	10	White hut on concrete column with platform; 33.	
9830 K 3219.5	Miles Reef.	14° 32.2' S 144° 55.1' E	<b>Fl.(2)W.</b> period 8s	43 13	10	Beacon.	
9832.1 K 3221.1	Megaera Reef.	14° 28.7' S 144° 57.0' E	<b>Fl.W.R.G.</b> period 2.5s fl. 0.5s, ec. 2s	30 9	W. 9 R. 7 G. 7	Pile structure with white fiberglass cabinet on piled steel platform with helicopter platform and walkway; 33.	R. 121°-131°, W.-270°, G.-280°, W.-121°.
9836 K 3220	Howick Island.	14° 29.5' S 144° 58.7' E	<b>Fl.(3)W.G.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	23 7	W. 11 G. 8	Concrete column with white fiberglass hut; 20.	G. 090°-100°, W.-090°.
9840 K 3219	Coquet Island.	14° 32.4' S 144° 59.2' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	102 31	14	White hut, red metal framework tower; 89.	
9844 K 3217	Pethebridge Islet.	14° 43.9' S 145° 06.1' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	20 6	10	White fiberglass hut; 10.	Visible 106°-067°.
9848 K 3216	Palfrey Islet.	14° 41.5' S 145° 26.6' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	261 80	14	White square concrete tower; 16.	Visible 356°-190°.
9850 K 3215.5	Maxwell Reef.	14° 47.1' S 145° 18.9' E	<b>Fl.W.R.</b> period 10s fl. 1s, ec. 9s	30 9	W. 11 R. 8	Pile structure with white fiberglass cabinet on steel platform with helicopter platform and walkway; 26. Helicopter platform.	R. 140°-152°, W.-140°.
9852 K 3215	Decapolis Reef.	14° 51.1' S 145° 16.4' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	20 6	10	Concrete column with white hut; 16.	<b>Radar reflector.</b>
9862 K 3214.3	-Cape Flattery.	14° 59.0' S 145° 21.3' E	<b>Mo.(U)W.</b> period 10s	26 8		Red beacon.	In line 215° with unlit beacon on elbow of Cape Flattery Wharf. Rear daymark 167m from front.
9862.2 K 3214.25	--Wharf, N. end.	14° 59.1' S 145° 21.2' E	<b>Mo.(U)W.</b> period 10s	26 8			
9862.4 K 3214.2	---Off S. end.	14° 59.2' S 145° 21.3' E	<b>Mo.(U)W.</b> period 10s	26 8			

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<b>AUSTRALIA-EAST COAST</b>							
9864 K 3214	<b>Three Isles.</b>	15° 06.6' S 145° 25.1' E	<b>Fl.(3)W.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	88 27	15	Red metal framework tower with white fiberglass hut; 85.	<b>DGPS Station.</b>
ENDEAVOUR RIVER:							
9868 K 3208	-Grassy Hill.	15° 27.6' S 145° 15.3' E	<b>Fl.(2)W.</b> period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	531 162	9	White round tower, red cupola; 20.	Visible 192°-315°. <b>Aero Radiobeacon</b> 1.5 miles S.
9872 K 3210.1	-Port of Cooktown Entrance, E. side.	15° 27.7' S 145° 14.8' E	<b>Fl.(2)W.</b> period 6s		4	Beacon.	Channel marked by beacons 1 thru 6, port and starboard marks, Fl.R. 2.5s and Fl.G. 2.5s, respectively.
9876 K 3210.1	--W. side.	15° 27.9' S 145° 14.6' E	<b>Fl.(2)W.</b> period 6s		4	Beacon.	
9880 K 3207	Egret Reef.	15° 28.6' S 145° 24.3' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	26 8	10	White concrete column with white fiberglass hut; 23.	<b>Radar reflector.</b>
9884 K 3206	Bougainville Reef.	15° 29.3' S 147° 07.1' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	49 15	10	Steel framework tower with white fiberglass hut, on concrete piles; 46.	
9886 K 3206.55	Willis Islets.	16° 17.3' S 149° 57.9' E	<b>2 F.G.</b>				
9886.5 K 3206.6	<b>Lihou Reef.</b>	17° 07.8' S 152° 08.5' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	108 33	19	Steel framework tower with red fiberglass hut, on four piles; 112.	
	RACON		<b>K(- • -)</b>		17		(3 & 10cm).
9887 K 3206.7	<b>East Diamond Islet.</b>	17° 26.4' S 151° 04.5' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	95 29	17	Framework tower with white fiberglass hut; 75.	
	RACON		<b>M(- -)</b>		16		(3 & 10cm).
9888 K 3200	<b>Archer Point.</b>	15° 35.6' S 145° 19.7' E	<b>Fl.(4)W.R.G.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	213 65	W. 17 R. 13 G. 13	White square concrete tower with white lantern; 20.	W. 153°-276°, G.-305°, W.-313°, R.-320°, G.-334°, W.-338°, R.-358°. <b>AIS</b> (MMSI No 005030078).
9892 K 3196	Gubbins Reef.	15° 42.6' S 145° 23.8' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 9.5s	23 7	10	White concrete column with white fiberglass hut; 23.	
	RACON		<b>C(- • - •)</b>		10		(3 & 10cm).
9893 K 3195.9	Pickersgill Reef.	15° 51.4' S 145° 33.3' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 8	11	White concrete tower with white fiberglass hut; 23.	
9893.3 K 3195.95	Bloomfield River.	15° 55.2' S 145° 21.8' E	<b>Fl.W.</b> period 3s			White beacon.	
9896 K 3194	<b>Low Islets.</b>	16° 23.0' S 145° 33.6' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	65 20	17	White round tower, red cupola; 69.	<b>AIS</b> (MMSI No 995031046).
9898 K 3189	Mossman River.	16° 25.9' S 145° 24.4' E	<b>Fl.W.</b> period 2.5s				

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<b>AUSTRALIA-EAST COAST</b>							
PORT DOUGLAS:							
9900 <i>K 3186</i>	-Island Point.	16° 28.9' S 145° 28.0' E	<b>Fl.(4)W.R.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	295 90	W. 14 R. 11	Metal framework tower; 131.	W. 162°-285°, R.-325°.
9903.5 <i>K 3185</i>	Palm Beach, jetty, head.	16° 44.4' S 145° 40.4' E	<b>F.G.</b>				
9903.6 <i>K 3184.5</i>	Half Moon Bay Marina, Range, front.	16° 48.0' S 145° 43.0' E	<b>Q.Bu.</b>			Beacon, triangular daymark point up.	
9903.61 <i>K 3184.51</i>	-Rear, 222° from front.	16° 48.1' S 145° 42.9' E	<b>Iso.Bu.</b> period 2s			Beacon, triangular daymark point down.	
9903.7 <i>K 3184.3</i>	-Beacon No. 2.	16° 47.8' S 145° 43.2' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
9903.75 <i>K 3184.35</i>	--No. 1.	16° 47.8' S 145° 43.2' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	Fl.G. 2.5s marks W. breakwater. Fl.R. 2.5s marks N. breakwater.
CAIRNS HARBOR:							
9906 <i>K 3172.3</i>	-Channel Range, front, T1.	16° 54.7' S 145° 47.1' E	<b>Q.W.</b>			Beacon, rectangular daymark.	F.W. by day (occasional).
			<b>Fl.Y.</b> period 4s				
9908 <i>K 3172.31</i>	--Rear, 930 meters 209°12' from front.	16° 55.2' S 145° 46.8' E	<b>Al.F.W.R.G.</b> period 4s	59 18	11		F.G. 208°51'-209°03', Al.W.G.-209°12', F.W.- 209°18', Al.W.R.-209°27', F.R.-209°39'.
9910 <i>K 3173</i>	--C1.	16° 50.0' S 145° 49.8' E	<b>V.Q.(3)W.</b> period 5s			E, CARDINAL BYB, topmark.	
9912 <i>K 3173.2</i>	--C2.	16° 50.0' S 145° 49.9' E	<b>Fl.R.</b> period 4s			Beacon.	
9916 <i>K 3180</i>	-Inner Cutting Range, front.	16° 54.3' S 145° 47.3' E	<b>Q.R.</b>				
			<b>Fl.G.</b> period 3s				
9920 <i>K 3180.1</i>	--Rear, 700 meters 013°03' from front.	16° 53.9' S 145° 47.3' E	<b>Iso.R.</b> period 2s				
			<b>Fl.G.</b> period 3s				
9928 <i>K 3183</i>	-Admiralty Island.	16° 56.6' S 145° 46.6' E	<b>Fl.R.</b> period 2.5s			3 Beacon.	
9932 <i>K 3184</i>	-Cairns AVIATION LIGHT.	16° 52.5' S 145° 45.3' E	<b>Al.Fl.W.G.</b> period 7.5s	161 49	10		Occasional.
9948 <i>K 3166</i>	Euston Reef, W. side.	16° 41.1' S 146° 14.9' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	56 17	10	Metal framework tower with white fiberglass tower; 52.	
			<b>RACON</b>				
			<b>K(- • -)</b>		13		(3 & 10cm).
9950 <i>K 3167</i>	Arlington Reef.	16° 43.4' S 146° 06.7' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	26 8	10	White fiberglass hut on concrete column; 23.	<b>Radar reflector.</b>



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<b>AUSTRALIA-EAST COAST</b>							
9952 K 3170.2	Green Island, outer channel.	16° 45.5' S 145° 58.1' E	<b>Fl.G.</b> period 4s				
9956 K 3168	<b>Little Fitzroy Island.</b>	16° 55.4' S 146° 00.4' E	<b>Fl.(3)W.R.G.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	108 33	W. 15 R. 12 G. 12	White fiberglass hut; 13.	G. 197°-214°, W.-223°, R.- 240°, W.-020°, obsc.- 083°, W.-197°.
9962	Stagg Patches Buoy.	17° 01.4' S 146° 07.9' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, pillar, topmark.	
	RACON		<b>O(---)</b>				(3 & 10cm).
9964 K 3162	Russell Island.	17° 13.7' S 146° 05.7' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	249 76	11	White metal framework tower surmounted by white hut; 56.	
9965 K 3163	Russell Heads.	17° 13.3' S 145° 58.1' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s			Pipe beacon.	
9967 K 3157	Rocky Point.	17° 21.4' S 146° 02.1' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
9968 K 3150	-Flying Fish Point.	17° 30.4' S 146° 04.7' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	10 3	5	White tower, rectangular daymark.	
9972 K 3140	Mourilyan Harbor, approach.	17° 35.6' S 146° 08.3' E	<b>Fl.Y.</b> period 2.5s			SPECIAL Y, beacon, "X" topmark.	
9974 K 3140.5	-Entrance.	17° 36.0' S 146° 08.0' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
9976 K 3142	-Entrance Range, front.	17° 36.1' S 146° 07.2' E	<b>F.W. (neon)</b>		4	Red triangular daymark point up, orange border.	Visible 262°-284°. F.W. by day (occasional).
9980 K 3142.1	--Rear, 287 meters 269°53' from front.	17° 36.1' S 146° 07.0' E	<b>F.W. (neon)</b>		4	Red triangular daymark point down, orange border.	Visible 262°-284°. F.W. by day (occasional).
9984 K 3141	-Entrance on Hall Rock.	17° 36.1' S 146° 08.0' E	<b>Q.W.</b>		6	N. CARDINAL BY, beacon, topmark.	
9985 K 3144	-Goodman Point, N. entrance.	17° 36.0' S 146° 07.7' E	<b>Fl.G.</b> period 2s			Green beacon, triangular daymark point up.	
9986 K 3145	-S. entrance.	17° 36.1' S 146° 07.7' E	<b>Fl.W.</b> period 3s			Beacon, triangular daymark point up.	Rear unlit triangular daymark point down on beacon.
9988 K 3138	Kent Island.	17° 40.6' S 146° 10.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	298 91	11	Square concrete tower with white fiberglass tower; 36.	Visible 137°-100°, faintly visible elsewhere.
9993 K 3137.2	-Clump Point.	17° 51.2' S 146° 07.0' E	<b>Fl.W.</b> period 2.5s			Pile.	
9998 K 3133	Rockingham Bay.	17° 59.4' S 146° 04.6' E	<b>Fl.W.</b> period 2.5s			White beacon, square daymark.	
9999 K 3121.5	Meunga Creek Entrance.	18° 13.9' S 146° 01.1' E	<b>Q.Y.</b>			SPECIAL Y, beacon, "X" topmark.	
10000 K 3132	Brook Islands, summit of South Island.	18° 09.4' S 146° 18.3' E	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	171 52	11	White framework tower; 59.	Obscured beyond North Brook Island 122°-132°.
10004 K 3120.5	Pith Reef.	18° 13.3' S 147° 01.3' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	92 28	11	Steel framework tower, on concrete piles; 92.	
	RACON		<b>G(---•)</b>		16		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
10008 K 3120.7	-Rib Reef.	18° 28.7' S 146° 52.8' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	30 9	10	White fiberglass hut on concrete column; 30.	
	-RACON		<b>C(- • - •)</b>				
HINCHINBROOK CHANNEL:							
10012 K 3124	-Lucinda Point, Range, front.	18° 31.4' S 146° 20.5' E	<b>F.R.</b>	26 8		Conveyor gallery, facing N, triangular daymark point up.	F.W. by day.
10016 K 3124.1	--Rear, 775 meters 247°30' from front.	18° 31.5' S 146° 20.1' E	<b>F.R.</b>	59 18		Tower, triangular daymark point down; 69.	F.W. by day.
10020 K 3126	-New jetty, E. end.	18° 31.2' S 146° 23.2' E	<b>Fl.G.</b> period 5s		6		
10024 K 3128	-Lucinda pier.	18° 31.0' S 146° 20.0' E	<b>F.G.</b>	39 12			Tide signal.
10026 K 3119	-Halifax Bay, Allingham.	18° 42.6' S 146° 17.8' E	<b>Fl.W.</b> period 2.5s			Water tower; 108.	
10028 K 3120	Albino Rock.	18° 46.3' S 146° 43.1' E	<b>Fl.(3)W.</b> period 20s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 3.3s fl. 0.1s, ec. 13.1s	85 26	14	White square concrete tower; 16.	
10029 K 3118	Halifax Bay, pipeline.	19° 09.2' S 146° 38.2' E	<b>Q.(2)W.</b> period 4s	15 5			Marks seaward end of pipeline. Shore end marked by 2 beacons, Fl.R. 3s.
10030 K 3117	Bay Rock.	19° 07.0' S 146° 45.2' E	<b>Fl.(2)W.</b> period 8s				
MAGNETIC ISLAND:							
10034 K 3115	-Arcadia Range, front.	19° 09.1' S 146° 52.0' E	<b>Q.W.</b>				
10034.1 K 3115.1	--Rear, 430 meters 326.5° from front.	19° 09.0' S 146° 52.0' E	<b>F.R.</b>				
10040 K 3112	-NW. of Middle Reef.	19° 11.6' S 146° 48.3' E	<b>Q.(9)W.</b> period 15s	14 4	3	W. CARDINAL YBY, topmark.	
10044 K 3111	-Middle Reef, E. end.	19° 12.1' S 146° 49.3' E	<b>Q.(3)W.</b> period 10s	13 4	3	E. CARDINAL BYB, topmark.	
10048 K 3110	-Picnic Bay.	19° 11.1' S 146° 50.6' E	<b>Fl.R.</b> period 2.5s	10 3		Red square daymark, on pile.	
10052 K 3096	<b>Townsville AVIATION LIGHT.</b>	19° 15.3' S 146° 46.4' E	<b>Al.Fl.W.R.</b> period 7.5s W. fl. 0.2s, ec. 3.6s R. fl. 0.2s, ec. 3.5s	36 11	W. 28 R. 24		Occasional. <b>Aero Radiobeacon</b> 1260 meters NW.
10053 K 3096.4	-Approach.	19° 07.6' S 146° 54.6' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
10056 K 3097	-Sea Channel Range, front, P4.	19° 11.8' S 146° 51.9' E	<b>Q.W.</b>			PORT (A) R, beacon, topmark.	F.W. by day (occasional).
			<b>Fl.R.</b> period 4s				
10060 K 3097.01	--Rear, 0.5 mile 201°30' from front.	19° 12.2' S 146° 51.7' E	<b>Iso.W.</b> period 2s			ISOLATED DANGER Beacon, topmark.	F.W. by day (occasional).
			<b>Fl.(2)W.</b> period 6s				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
10061 <i>K 3096.5</i>	-Sea Channel S2.	19° 08.5' S 146° 53.4' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	Sea Channel marked by beacons S4 to S12.
10062 <i>K 3100</i>	-Platypus Channel Range, front.	19° 14.9' S 146° 49.8' E	<b>F.Bu.</b>			SAFE WATER RW, beacon, topmark.	
			<b>Q.R.</b>				
			<b>Iso.W.</b> period 4s				F.W. by day.
10062.1 <i>K 3100.1</i>	--Rear, 0.74 mile 211°30' from front.	19° 15.6' S 146° 49.4' E	<b>F.Bu.</b>				
			<b>Iso.R.</b> period 2s				F.W. by day.
10063 <i>K 3097.4</i>	-Platypus Channel P1.	19° 11.5' S 146° 52.0' E	<b>Q.G.</b>			STARBOARD (A) G, beacon, topmark.	Platypus Channel marked by lighted port and starboard beacons P2 to P14.
10063.2 <i>K 3106.2</i>	-Outer Range, front.	19° 13.8' S 146° 50.5' E	<b>Q.W.</b>				Visible 017°54'-022°54'. Occasional.
			<b>Fl.G.</b> period 4s				Visible 017°54'-022°54'. F.W. by day (occasional).
10063.21 <i>K 3106.21</i>	--Rear, 115 meters 020°21' from front.	19° 13.7' S 146° 50.5' E	<b>Fl.(2)W.</b> period 6s				Visible 017°54'-022°54'. F.W. by day (occasional).
			<b>Iso.W.</b> period 2s				Visible 017°54'-022°54'.
10063.4 <i>K 3106</i>	-Outer Harbor Range, front.	19° 14.8' S 146° 50.3' E	<b>Q.Bu.</b>				Visible 181°42'-186°42'. F.W. by day (occasional).
10063.41 <i>K 3106.01</i>	--Rear, 40 meters 184°14' from front.	19° 14.8' S 146° 50.3' E	<b>Iso.Bu.</b> period 2s				Visible 181°42'-186°42'. F.W. by day (occasional).
10063.6 <i>K 3101.8</i>	-P13, Inner departure range, front.	19° 14.0' S 146° 50.3' E	<b>Q.W.</b>				Visible 002°24'-006°24'. F.W. by day (occasional).
			<b>Fl.G.</b> period 4s			Beacon.	
10063.61 <i>K 3101.81</i>	--Rear, 004°24' from front.	19° 14.0' S 146° 50.4' E	<b>Iso. W.</b> period 2s				Visible 001°54'-006°54'. F.W. by day (occasional).
			<b>Fl.(2)W.</b> period 4s				
10063.8 <i>K 3106.1</i>	-Transit Range, front.	19° 14.3' S 146° 50.5' E	<b>Fl.Y.</b> period 2.5s				
10063.81 <i>K 3106.11</i>	--Rear, 20 meters 092° from front.	19° 14.3' S 146° 50.5' E	<b>Fl.Y.</b> period 2.5s				
-Townsville Harbor:							
10064 <i>K 3103</i>	--E. breakwater, P16.	19° 14.6' S 146° 50.1' E	<b>Q.R.</b>			PORT (A) R, beacon, topmark.	
10065 <i>K 3112.65</i>	--Western breakwater, S.E. end.	19° 14.6' S 146° 49.9' E	<b>Fl.(4)Y.</b> period 12s		2		Visible 307°-127°.
10065.1 <i>K 3112.64</i>	---Center.	19° 14.5' S 146° 49.8' E	<b>Fl.(4)Y.</b> period 12s		2		Visible 307°-127°.
10065.2 <i>K 3112.63</i>	---N.W. end.	19° 14.5' S 146° 49.7' E	<b>Fl.(4)Y.</b> period 12s		2		Visible 307°-127°.
10068 <i>K 3104</i>	--W. breakwater, P15.	19° 14.6' S 146° 50.0' E	<b>Q.G.</b>			STARBOARD (A) G, beacon, topmark.	

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<b>AUSTRALIA-EAST COAST</b>							
10070 <i>K 3109.22</i>	-Reclamation area, N. elbow.	19° 15.4' S 146° 50.7' E	<b>Q.W.</b>				
10082 <i>K 3112.4</i>	--Casino Marina Range front.	19° 15.1' S 146° 49.3' E	<b>F.Bu.</b>				F.W. by day.
10082.1 <i>K 3112.41</i>	---Rear, 90 meters 206°20' from front.	19° 15.1' S 146° 49.3' E	<b>F.Bu.</b>				F.W. by day.
10092 <i>K 3109.2</i>	--Ross River Channel, No 2.	19° 15.2' S 146° 51.0' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, Beacon, topmark.	Channel marked by beacons.
10096 <i>K 3092.1</i>	<b>-Cape Cleveland.</b>	19° 11.0' S 147° 00.9' E	<b>Fl.W.R.</b> period 7.5s fl. 0.1s, ec. 7.4s	210 64	W. 15 R. 12	White round tower, red cupola; 36.	W. 342°-259°, R.-286° (over Four Foot Rock), W.-321°.
10104 <i>K 3091</i>	Cape Ferguson.	19° 17.0' S 147° 03.0' E	<b>Fl.W.</b> period 4s fl. 0.4s, ec. 3.6s	23 7	12	White rectangular daymark; 13.	
10108 <i>K 3090</i>	Cape Bowling Green.	19° 19.6' S 147° 25.6' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	66 20	11	Red and white hexagonal fiberglass tower; 43.	
	RACON		<b>O(---)</b>		17		(3 & 10cm).
10120 <i>K 3085</i>	Cape Upstart.	19° 45.3' S 147° 44.8' E	<b>Fl.W.</b> period 4s		3		
10124 <i>K 3088</i>	Upstart Bay.	19° 44.4' S 147° 35.7' E	<b>Iso.W.</b> period 2s	23 7			Visible 265°30'-268°30'.
10124.2 <i>K 3086</i>	-Molongle Creek.	19° 49.9' S 147° 42.3' E	<b>Fl.W.</b> period 2.5s				Visible 167°-173°.
10125 <i>K 3083.1</i>	Abbot Point, W. approach Range, front.	19° 52.8' S 148° 04.7' E	<b>F.Bu.</b>	73 22	5		F.W. by day.
10125.2 <i>K 3083</i>	-Rear, 300 meters 164° from front.	19° 52.9' S 148° 04.8' E	<b>F.Bu.</b>	139 42	5		F.W. by day. This light is also the front range light for following rear light.
10125.4 <i>K 3082.9</i>	--E. approach, rear 575 meters 225° from front.	19° 53.1' S 148° 04.6' E	<b>Fl.W.</b> period 4s	180 55	12		F.W. by day.
10126 <i>K 3083.4</i>	-Wharf approach Range, common front.	19° 51.4' S 148° 05.1' E	<b>F.G.</b>				F.W. by day.
10126.2 <i>K 3083.39</i>	--Rear, 200 meters 273°08' from front.	19° 51.5' S 148° 05.0' E	<b>F.G.</b>				F.W. by day.
10126.4 <i>K 3083.41</i>	--Rear, 200 meters 124°08' from front.	19° 51.6' S 148° 05.1' E	<b>F.G.</b>				F.W. by day.
10128 <i>K 3069</i>	Holbourne Island.	19° 43.6' S 148° 21.6' E	<b>Fl.(3)W.</b> period 15s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 8s	377 115	10	White hut; 7.	
10128.5 <i>K 3069.2</i>	Nares Rock.	19° 46.2' S 148° 21.6' E	<b>Fl.(2)W.</b> period 5s			ISOLATED DANGER BRB, beacon, topmark.	
10130 <i>K 3082</i>	North Rock.	19° 58.2' S 148° 15.8' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	
<b>PORT DENISON:</b>							
10133 <i>K 3070</i>	-Sinclair Head, Stone Island.	20° 01.9' S 148° 17.6' E	<b>Fl.W.</b> period 4s	87 27	10	White beacon.	
10134 <i>K 3070.5</i>	-N. Entrance, N2.	20° 01.3' S 148° 17.0' E	<b>Iso.W.</b> period 2s			SAFE WATER RW, beacon, topmark.	

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<b>AUSTRALIA-EAST COAST</b>							
10136 <i>K 3078</i>	-Bowen Range, front.	20° 01.4' S 148° 15.1' E	<b>F.G.</b>	20 6	4		F.W. by day.
10140 <i>K 3078.1</i>	--Rear, inshore end of pier 785 meters 329° from front.	20° 01.3' S 148° 15.1' E	<b>F.G.</b>	38 12	4		F.W. by day.
10144 <i>K 3076</i>	-Bowen, S. Entrance Range, front.	20° 01.3' S 148° 14.6' E	<b>F.Bu.</b> (neon)	13 4	5	Beacon, white triangular daymark point up.	F.W. by day (occasional).
10148 <i>K 3076.1</i>	--Rear, 982 meters 315°28' from front.	20° 00.9' S 148° 14.2' E	<b>F.Bu.</b> (neon)	115 35	12	Beacon, white triangular daymark point down, black stripe.	F.W. by day (occasional).
10150 <i>K 3074</i>	-Mount Bramstron.	20° 04.0' S 148° 15.5' E	<b>Q.W.</b>	26 8	7	Orange triangular daymark point up.	
10156	Cape Gloucester.	20° 04.9' S 148° 29.8' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
10160 <i>K 3066.8</i>	Bird Island.	20° 05.4' S 148° 52.3' E	<b>Q.(9)W.</b> period 15s	46 14	5		
10161 <i>K 3066.81</i>	Langford Island, reef, S. side.	20° 05.8' S 148° 52.7' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, beacon, topmark.	E. side of reef marked by Fl.G. 2.5s.
10164 <i>K 3067.4</i>	Pinnacle Point, on Hook Island.	20° 03.7' S 148° 57.8' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	70 21	10	White fiberglass hut; 7.	Visible 113°-326°.
10165 <i>K 3064.7</i>	Macona Inlet.	20° 10.1' S 148° 55.2' E	<b>Fl.G.</b> period 2.5s			White beacon, triangular daymark point up.	
10166 <i>K 3068</i>	Eshelby Island.	20° 01.0' S 148° 37.6' E	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	183 56	10	White hut; 13.	
10170 <i>K 3066.57</i>	Pioneer Bay.	20° 16.0' S 148° 41.4' E	<b>Fl.Y.</b> period 2.5s			SPECIAL Y, beacon, "X" topmark.	Marks outer end of pipeline.
10172 <i>K 3066.5</i>	Pioneer Rocks.	20° 13.6' S 148° 45.5' E	<b>Fl.(2)W.</b> period 6s	16 5	4	ISOLATED DANGER BRB, beacon, topmark.	
10176 <i>K 3066.4</i>	West Molle Island Range, front.	20° 15.1' S 148° 48.9' E	<b>F.Bu.</b>		5	Orange triangular daymark point up.	F.W. by day.
10180 <i>K 3066.41</i>	-Rear, 242°18' from front.	20° 15.1' S 148° 48.9' E	<b>F.Bu.</b>		5	Orange triangular daymark point down.	F.W. by day.
10182 <i>K 3066.35</i>	Shute Harbor Range, front.	20° 17.6' S 148° 47.2' E	<b>F.Bu.</b>				F.W. by day.
10182.1 <i>K 3066.36</i>	-Rear, 261° from front.	20° 17.7' S 148° 47.1' E	<b>F.Bu.</b>				F.W. by day.
10184 <i>K 3064.5</i>	Cid Island.	20° 16.5' S 148° 54.5' E	<b>Fl.W.</b> period 6s	40 12	3		
10188 <i>K 3065.8</i>	The Beak.	20° 16.8' S 148° 48.1' E	<b>Fl.W.R.</b> period 4s	62 19	5	Red and yellow tower.	W. 154°-198°, R.-225°, W.-334°, R.-154°. F.W. on radio mast 2.2 miles NE.
10192 <i>K 3066</i>	Low Rock, N. side.	20° 17.0' S 148° 48.0' E	<b>Q.W.</b>			N. CARDINAL BY, topmark.	
10192.2 <i>K 3066.03</i>	-E. side.	20° 17.3' S 148° 48.1' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, topmark.	
10192.4 <i>K 3066.05</i>	-S. side.	20° 17.3' S 148° 48.1' E	<b>Q.(6)+L.Fl.W.</b> period 15s			S. CARDINAL YB, topmark.	
10192.6 <i>K 3066.07</i>	-W. side.	20° 17.3' S 148° 48.0' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, topmark.	

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<b>AUSTRALIA-EAST COAST</b>							
10195 <i>K 3066.38</i>	Shute Harbor.	20° 17.6' S 148° 47.2' E	<b>Fl.Y.</b> period 3s			SPECIAL Y, beacon, "X" topmark.	
10196 <i>K 3066.24</i>	Repair Island, No. 4.	20° 17.7' S 148° 47.4' E	<b>V.Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
10200 <i>K 3066.6</i>	Edward Island.	20° 15.0' S 149° 10.4' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	358 <b>109</b>	10	White hut; 7.	
10202 <i>K 3064.2</i>	Hamilton Island, AVIATION LIGHT.	20° 22.4' S 148° 57.2' E	<b>Oc.R.</b> period 1.5s				Occasional.
10204 <i>K 3064</i>	Dent Island, Whitsunday Passage.	20° 22.1' S 148° 55.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	121 <b>37</b>	11	White round metal tower, red cupola; 33.	Visible 335°-167°. F.W. on Molle Island 8.5 miles NW.
10208 <i>K 3063</i>	Lindeman Island.	20° 27.6' S 149° 02.1' E	<b>Fl.W.R.</b> period 4s	116 <b>35</b>	3		W. 260°-316°, R.-025°, W.- 110°, R.-125°. W.-139°, obsc.-260°. Fl.R. and Fl.G. beacons mark entrance channel 0.5 mile E.
10208.5 <i>K 3062.8</i>	Spitfire Rock.	20° 28.6' S 149° 01.8' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
10209 <i>K 3062.7</i>	Platypus Rock.	20° 31.3' S 149° 02.3' E	<b>V.Q.(9)W.</b> period 10s			W. CARDINAL YBY, beacon, topmark.	
10210 <i>K 3062.6</i>	Repulse Bay Marina.	20° 30.7' S 148° 44.0' E	<b>Fl.G.</b> period 3s			STARBOARD (A) G, beacon, topmark.	F.Bu. (F.W. by day) range lights 249°24' mark entrance.
10212 <i>K 3062</i>	Coppersmith Rock.	20° 36.0' S 149° 07.0' E	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 2s fl. 1s, ec. 4s	49 <b>15</b>	10	White fiberglass hut.	W 162°30'-140°30'. Obscured beyond Silversmith Island 140°30'-162°30'.
10212.5 <i>K 3061.7</i>	Io Reef.	20° 41.6' S 149° 07.7' E	<b>Q.(9)W.</b> period 15s			W. CARDINAL YBY, beacon, topmark.	
10213 <i>K 3061</i>	Mausoleum Island.	20° 51.6' S 148° 56.3' E	<b>Fl.W.</b> period 4s	59 <b>18</b>	7		
10214 <i>K 3061.3</i>	-W. side.	20° 51.8' S 148° 56.1' E	<b>Fl.R.</b> period 3s			Red beacon.	6 Fl.R. 3s beacons mark channel to Victor Creek.
10216 <i>K 3060</i>	Brampton Island.	20° 48.7' S 149° 14.8' E	<b>Fl.W.</b> period 6s	33 <b>10</b>	3		
10220 <i>K 3016</i>	Frederick Reefs, N. Cay.	20° 56.1' S 154° 24.0' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	108 <b>33</b>	10	Round steel tower, two galleries, concrete base.	
	RACON		<b>C(- • - •)</b>		<b>16</b>		(3 & 10cm).
10222 <i>K 3043</i>	Saint Bees Island.	20° 56.4' S 149° 25.5' E	<b>Fl.W.</b> period 2.5s				
10224 <i>K 3048</i>	<b>Bailey Island.</b>	21° 01.8' S 149° 33.0' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	118 <b>36</b>	15	White square tower; 16.	
10228 <i>K 3049</i>	<b>Penrith Island.</b>	21° 00.5' S 149° 54.3' E	<b>Fl.(3)W.</b> period 15s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 2.4s fl. 0.1s, ec. 9.9s	492 <b>150</b>	16	White square masonry tower; 13.	
HYDROGRAPHERS PASSAGE:							
10229 <i>K 3052</i>	<b>-Creal Reef.</b>	20° 31.9' S 150° 22.7' E	<b>Fl.W.</b> period 7.5s fl. 1s, ec. 6.5s	105 <b>32</b>	20	Metal framework tower, orange square daymark on N. and W. facings, on concrete pile structure; 112.	
	-RACON		<b>M(- -)</b>		<b>16</b>		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
10229.5 K 3056	-Bugatti Reef.	20° 06.3' S 150° 17.4' E	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 1.5s fl. 1s, ec. 4.5s	30 9	10	Concrete column with white fiberglass hut; 23.	
10230 K 3053	<b>-Little Bugatti Reef.</b>	20° 01.2' S 150° 15.4' E	<b>Fl.W.R.G.</b> period 5s fl. 1s, ec. 4s	75 23	W. 17 R. 13 G. 13	Metal framework tower, orange square daymark, on concrete pile structure; 79.	G. 190°-200°, W.-204°, R.-215°, W.-190°. <b>Radar reflector.</b>
10231 K 3054	-White Tip Reef Range, front.	19° 54.5' S 150° 16.8' E	<b>Iso.W.R.</b> period 5s	33 10	W. 13 R. 9	Concrete pile structure, orange square daymark; 39.	W. 170°-222°, R.-231°, W.-005°, R.-019°, partially obscured-170°.
10231.1 K 3054.1	--Rear, 2.04 km. 218° from front.	19° 55.5' S 150° 16.1' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.9s	121 37	20	Tower, orange square daymark on N face.	
			<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	118 36	15		Visible 214°-222°.
	--RACON		<b>K(- • -)</b>		17		(3 & 10cm).
PIONEER RIVER:							
10240 K 3031	-E. Point.	21° 08.9' S 149° 13.3' E	<b>Fl.G.</b> period 2.5s fl. 0.5s, ec. 2.5s			STARBOARD (A) G, beacon, topmark.	
MACKAY:							
10244 K 3032	-Outer harbor approach Range, front.	21° 05.9' S 149° 13.4' E	<b>F.R.</b>	45 14	12	Yellow triangular daymark point up, black stripe.	F.W. by day (occasional).
10248 K 3032.1	--Rear, 270 meters 288° from front.	21° 05.9' S 149° 13.3' E	<b>F.R.</b>	62 19	12	Yellow triangular daymark point down, black stripe.	F.W. by day (occasional).
10252 K 3033	-Outer harbor entrance range, front, root of S. breakwater.	21° 06.5' S 149° 13.4' E	<b>F.R.</b>	36 11	5	Yellow triangular daymark point up, black stripe; 39.	F.W. by day (occasional).
10256 K 3033.1	--Rear, 405 meters 248°20' from front.	21° 06.6' S 149° 13.2' E	<b>F.R.</b>	63 19	5	Yellow triangular daymark point down, black stripe; 49.	F.W. by day (occasional).
10257 K 3034	--Range, front.	21° 06.4' S 149° 13.5' E	<b>F.Bu.</b>				F.W. by day.
10257.1 K 3034.1	---Rear, 156 meters 261°36' from front.	21° 06.4' S 149° 13.4' E	<b>F.Bu.</b>	69 21			F.W. by day.
10260 K 3036	-Forgan Smith Point.	21° 06.3' S 149° 13.9' E	<b>Iso.G.</b> period 2s	29 9	5	Concrete tower; 16.	
10268 K 3035	-Main Breakwater, Bagley Point.	21° 06.4' S 149° 14.0' E	<b>Iso.R.</b> period 2s	25 8	5	Concrete tower; 16.	
10272	-Main Breakwater, E. extremity.	21° 06.4' S 149° 14.1' E	<b>Q.R.</b>				
10276 K 3026	-AVIATION LIGHT.	21° 10.2' S 149° 10.5' E	<b>Al.FI.W.G.</b> period 7s	55 17	12	Metal tower; 52.	F.R. lights on tower 3.1 miles NNW.
10282 K 3024	<b>Hay Point.</b>	21° 17.2' S 149° 16.6' E	<b>Fl.(2)W.</b> period 10s	255 78	20		Visible 165°-319°.
10284 K 3024.4	Highwater Island, Range, front.	21° 17.6' S 149° 18.2' E	<b>F.Bu.</b>			Beacon, triangular daymark point up.	F.W. by day.
10285 K 3024.41	-Rear, 30 meters 208°26' from front.	21° 17.6' S 149° 18.2' E	<b>F.Bu.</b>			Beacon, triangular daymark point down.	F.W. by day.
10288 K 3023	Vernon Rocks.	21° 28.1' S 150° 18.6' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	59 18	9	White fiberglass hut; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
10292 K 3022	<b>Pine Peak Island.</b>	21° 31.1' S 150° 15.1' E	<b>Fl.(2)W.</b> period 6s fl., ec. 2s fl., ec. 4s	151 46	15	White structure on white rock; 10.	
10300 K 3015	Saumarez Reef, NE. Cay.	21° 39.6' S 153° 46.0' E	<b>Fl.(4)W.</b> period 20s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 10s	69 21	10	Steel framework tower with fiberglass hut.	
	RACON		<b>O(- - -)</b>		13		(3 & 10cm).
10304 K 3020	<b>Percy Isles.</b>	21° 39.4' S 150° 13.0' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	220 67	18	White fiberglass tower; 20.	Visible 318°-218°.
10308 K 3018	<b>High Peak Island.</b>	21° 57.1' S 150° 42.1' E	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	230 70	17	White square concrete tower; 10.	Visible 110°-037°, obscured 010°-012° by Cheviot Island.
10309 K 3017.5	Mount Westfall AVIATION LIGHT.	22° 21.7' S 150° 34.7' E	<b>Q.W.</b>	1847 563		Tower; 49.	
10310 K 3017	Clara Group.	22° 20.4' S 150° 43.1' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	213 65	11	White fiberglass hut; 7.	
10311 K 3014.5	<b>Swain Reefs, Hixson Cay.</b>	22° 20.0' S 152° 43.7' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	56 17	18	White fiberglass tower, metal piles; 56.	
	RACON		<b>T(-)</b>		11		(3 & 10cm).
10312 K 3014	<b>North Reef.</b>	23° 11.1' S 151° 54.2' E	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	75 23	17	White round metal tower, red cupola; 79.	
	RACON		<b>Q(- - • -)</b>		14		(3 & 10cm).
10314 K 2998	Double Head, Rosslyn Bay, jetty, head.	23° 09.5' S 150° 47.3' E	<b>Fl.R.</b> period 2s				
10315 K 2998.75	-Pier, head.	23° 09.8' S 150° 47.3' E	<b>Fl.G.</b> period 3s				
10316 K 2997	Great Keppel Island, E. extremity.	23° 10.8' S 150° 59.5' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	171 52	11	White fiberglass hut; 7.	Visible 150°-070°.
10317 K 2997.3	-Half Tide Rock.	23° 09.2' S 150° 56.3' E	<b>Fl.(2)W.</b> period 6s			ISOLATED DANGER BRB, beacon, topmark.	
10318 K 2997.5	Middle Island East Passage, E. side.	23° 10.1' S 150° 55.7' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
10318.1 K 2997.6	-W. side.	23° 10.2' S 150° 55.5' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
KEPPEL BAY:							
10319 K 2991.7	-Emu Point.	23° 15.3' S 150° 49.7' E	<b>2 F.Bu.</b>				R. Lts. on radio tower 5.3 miles SSW.
10319.5 K 2991.8	--Leading Lights.	23° 15.0' S 150° 49.4' E	<b>Q.Y.</b>  <b>Iso.Y.</b> period 2s				
10320 K 3000	-Sea Hill Point.	23° 29.5' S 150° 58.8' E	<b>Fl.(2)W.</b> period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	109 33	7 39.		Visible 338°-214°.



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
10321 K 3001	-Division Point.	23° 33.9' S 151° 00.9' E	Fl.Y. period 3s			SPECIAL Y, beacon, "X" topmark.	
FITZROY RIVER:							
10323 K 3002.5	-Curlew Spit.	23° 32.0' S 150° 56.4' E	Fl.Y. period 3s			SPECIAL Y, beacon, "X" topmark.	
10323.5 K 3004.1	-Haynes Spit.	23° 32.6' S 150° 54.0' E	Fl.R. period 3s			PORT (A) R, beacon, topmark.	
10324 K 3002	-Balaclava Island, Sea Reach Range, front.	23° 33.1' S 150° 55.6' E	Q.W.		56 17	10 White beacon, white triangular daymark point up.	
10328 K 3002.1	--Rear 1,600 meters 205°03' from front.	23° 33.9' S 150° 55.2' E	Iso.W. period 2s		92 28	6 White beacon, white triangular daymark point down.	
10329 K 3010	-Kazatch Point Range, front.	23° 34.4' S 150° 52.9' E	Q.W.		20 6	8 Beacon, white triangular daymark point up; 23.	
10330 K 3010.1	--Rear, 940 meters 230°39' from front.	23° 34.7' S 150° 52.5' E	Iso.W. period 4s		43 13	10 Beacon, white triangular daymark point down; 49.	
10331 K 3011	-Eupatoria Point Range, front.	23° 34.6' S 150° 51.9' E	Q.Bu.		23 7	5 Beacon, white square daymark.	
10332 K 3011.1	--Rear, 295 meters 248°30' from front.	23° 34.6' S 150° 51.7' E	Iso.Bu. period 4s		33 10	5 Beacon, white square daymark.	
10333 K 3012	-Shell Point Range, front.	23° 33.9' S 150° 52.7' E	Q.W.				
10334 K 3012.1	--Rear, 310 meters 038° from front.	23° 33.7' S 150° 52.8' E	Iso.W. period 2s				
10336 K 2992.1	<b>Cape Capricorn.</b>	23° 29.2' S 151° 14.2' E	Fl.W.R. period 5s fl. 0.4s, ec. 4.6s		305 93	W. 17 R. 14 White concrete tower; 23.	W. 005°-307°, R.-005°.
PORT OF GLADSTONE (PORT CURTIS):							
10348 K 2990	-Facing Island, N. point.	23° 45.3' S 151° 20.0' E	Fl.(4)W.R. period 15s		56 17	7	R. 313°-359°, W.-313°.
10349 K 2991	-N. Channel Range, front.	23° 46.1' S 151° 19.5' E	Q.W.			Yellow beacon, triangular topmark point up.	Intensified 166°36'-170°36'.
10349.1 K 2991.1	--Rear, 440 meters 168°38' from front	23° 46.4' S 151° 19.6' E	Iso.W. period 2s			10 Yellow beacon, triangular topmark point down.	Intensified 166°36'-170°36'.
10349.5 K 2991.12	--Beacon.	23° 45.8' S 151° 19.5' E	Fl.R. period 2.5s			PORT (A) R, beacon, topmark.	
10350 K 2991.14	--Farmers Reef Range, front.	23° 46.3' S 151° 19.2' E	Q.Bu.			White tripod, triangular topmark point up.	
10350.1 K 2991.15	--Rear, 125 meters 219°22' from front.	23° 46.4' S 151° 19.1' E	Iso.Bu. period 2s			White tripod, triangular topmark point down.	
10350.5 K 2991.22	--Southend Channel, SE1.	23° 45.9' S 151° 18.9' E	Fl.G. period 2.5s			STARBOARD (A) G, beacon, topmark.	Southend Channel marked by beacons SE2 to SE4.
10351 K 2991.3	--Beacon N1.	23° 46.3' S 151° 19.2' E	Fl.Y. period 2.5s			SPECIAL Y, beacon, "X" topmark.	
10351.2 K 2991.31	---N2.	23° 46.4' S 151° 19.3' E	Fl.R. period 2.5s			PORT (A) R, beacon, topmark.	North Channel marked by beacons N3 to N11.
10352 K 2972	<b>-East Point.</b>	23° 51.9' S 151° 23.4' E	Fl.W. period 10s fl. 0.1s, ec. 9.9s		154 47	18 Metal framework tower; 33.	The Narrows leading West of Curtis Island to Keppel Bay is marked by lights.
10356 K 2973	-Wild Cattle Island, S. Channel Range, front.	23° 58.9' S 151° 25.2' E	Q.W.		62 19	Tower, white triangular daymark point up.	F.W. by day (occasional).

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<b>AUSTRALIA-EAST COAST</b>							
10360 K 2973.1	--Rear, 2.67 miles 224°15' from front.	24° 00.8' S 151° 23.2' E	<b>Iso.W.</b> period 2s	145 44		Tower, white triangular daymark point down.	F.W. by day (occasional). <b>DGPS Station</b> about 2 miles SW.
10364 K 2973.2	--Beacon S1.	23° 53.9' S 151° 30.4' E	<b>Fl.G.</b> period 2s			STARBOARD (A) G, beacon, topmark.	Synchronized with beacon S2.
	--RACON		<b>G(-- •)</b>				(3 & 10cm).
10368 K 2973.3	---S2.	23° 54.1' S 151° 30.5' E	<b>Fl.R.</b> period 2s			PORT (A) R, beacon, topmark.	South Channel marked by synchronized beacons S3 to S31.
10372 K 2974	-Boyne Island Cutting Range, front.	23° 56.4' S 151° 22.0' E	<b>F.Bu.</b>	66 20	12	Framework tower, white triangular topmark point up; 30.	F.Y. by day.
10376 K 2974.1	--Rear, 1,760 meters 263°49' from front.	23° 56.5' S 151° 20.9' E	<b>F.Bu.</b>	121 37	14	Structure, white triangular daymark point down.	F.Y. by day.
10380 K 2976	-Goldings Cutting Range, front.	23° 51.9' S 151° 19.8' E	<b>Q.W.</b>	23 7		Beacon, red square daymark.	
			<b>Fl.R.</b> period 4s				
10384 K 2976.1	--Rear, 1.14 miles 302°24' from front.	23° 51.3' S 151° 18.7' E	<b>F.Bu.</b>	57 17		Metal tower.	F.W. by day.
10388 K 2976.4	--Range, front, No. 29.	23° 56.3' S 151° 27.3' E	<b>Q.W.</b>	20 6		Beacon.	Visible 119°-125°. F.W. by day (occasional).
			<b>Fl.(2)W.</b> period 4s				Visible 125°-119°.
10392 K 2976.41	---Rear, No. 30, 1.17 miles 122°24' from front.	23° 56.9' S 151° 28.4' E	<b>Iso.W.</b> period 2s	59 18		Beacon.	Visible 119°-125°. F.W. by day (occasional).
			<b>Fl.(2)W.</b> period 6s				Visible 125°-119°.
10393 K 2979	-East Channel, beacon E2.	23° 51.9' S 151° 24.2' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
10394 K 2979.2	--E1.	23° 52.8' S 151° 23.5' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
10395 K 2979.4	--E3.	23° 53.1' S 151° 22.3' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
10396 K 2978	-Gatcombe Channel Range, front, on Datum Point.	23° 49.1' S 151° 17.2' E	<b>Q.W.</b>	20 6		White round tower; 7.	F.W. by day (on request). Forms range 313°33' with beacon Q2.
10400 K 2978.1	--Rear, 1.56 miles 312°04' from front.	23° 48.0' S 151° 15.9' E	<b>Iso.W.</b> period 2s	52 16		White round tower; 7.	F.W. by day (occasional).
10404 K 2979.8	--G2.	23° 53.3' S 151° 22.0' E	<b>Q.W.</b>			SPECIAL Y, beacon, "X" topmark.	Synchronized. Southern limit of channel marked by synchronized special beacons.
			<b>Fl.Y.</b> period 4s				
10405 K 2981	-Auckland Channel.	23° 49.2' S 151° 14.1' E	<b>F.Bu.</b>				F.Y. by day.
10406 K 2987.81	--Beacon A1.	23° 50.7' S 151° 18.4' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	Synchronized.
10407 K 2987.82	---A2.	23° 50.9' S 151° 18.4' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	Synchronized. Auckland Channel marked by synchronized beacons A3 to A7.
10408 K 2982	--Range, front.	23° 52.2' S 151° 22.0' E	<b>Q.W.</b>	20 6		White round tower; 7.	F.W. by day (on request).

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<b>AUSTRALIA-EAST COAST</b>							
10412 <i>K 2982.1</i>	--Rear, 1,019 meters 113°13' from front.	23° 52.5' S 151° 22.6' E	<b>Iso.W.</b> period 4s		127 39	White round tower; 7.	F.W. by day (on request).
10420 <i>K 2982.6</i>	-Manning Reef.	23° 51.4' S 151° 21.2' E	<b>Fl.W.</b> period 2.5s				
10424 <i>K 2983</i>	-Bushy Islet.	23° 50.4' S 151° 20.2' E	<b>Fl.W.</b> period 4s				
10426 <i>K 2984</i>	-Boyne Wharf.	23° 51.3' S 151° 19.4' E	<b>F.R.</b>			Dolphin.	
10428 <i>K 2987</i>	-Quoyne Channel, beacon Q1.	23° 50.4' S 151° 19.5' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
10432 <i>K 2987.2</i>	--Beacon Q2.	23° 50.5' S 151° 18.8' E	<b>Fl.Y.</b> period 2.5s			SPECIAL Y, beacon, "X" topmark.	Quoyne Channel marked by beacons Q3 to Q6.
10433 <i>K 2988.3</i>	-Barney Point Range, front.	23° 50.2' S 151° 16.1' E	<b>F.Bu.</b>			Black pile, triangular daymark point up.	F.Y. by day.
10434 <i>K 2988.31</i>	--Rear, 320 meters 126°42' from front.	23° 50.3' S 151° 16.3' E	<b>F.Bu.</b>			Yellow framework tower, triangular daymark point down.	F.Y. by day.
10435 <i>K 2988.5</i>	--Coal Wharf.	23° 50.1' S 151° 16.4' E	<b>F.R.</b>				
10436 <i>K 2988.6</i>	-Auckland Point Wharves, E. end.	23° 50.0' S 151° 15.8' E	<b>F.R.</b>				F.R. close WNW.
10436.3 <i>K 2989.1</i>	-Aukland Inlet, boat harbor, N. side of entrance.	23° 50.0' S 151° 15.1' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
10436.5 <i>K 2989.15</i>	--S. side of entrance.	23° 50.2' S 151° 15.0' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, beacon, topmark.	
10437 <i>K 2989.2</i>	--Service jetty.	23° 50.0' S 151° 14.9' E	<b>F.R.</b>				F.R. marks charter jetty.
10438 <i>K 2989.652</i>	-Clinton Channel Range, front, beacon CB2.	23° 49.3' S 151° 14.9' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
10439 <i>K 2989.63</i>	--Rear, beacon C3, 835 meters 302°42' from front.	23° 49.0' S 151° 14.6' E	<b>V.Q.(9)W.</b> period 10s			W. CARDINAL YBY, beacon, topmark.	
10440 <i>K 2989.651</i>	--Beacon CB1.	23° 49.4' S 151° 14.5' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
10441 <i>K 2989.654</i>	--CB4.	23° 49.1' S 151° 14.8' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
10442 <i>K 2989.68</i>	--Range, front, beacon C5.	23° 48.4' S 151° 14.2' E	<b>Q.Bu.</b>  <b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s			Black and green beacon, orange triangular daymark point up.	F.W. by day (occasional).
10442.5 <i>K 2989.681</i>	--Rear, Tide Island, 870 meters 128°12' from front.	23° 48.0' S 151° 13.8' E	<b>Iso.Bu.</b> period 2s  <b>Fl.(2)W.</b> period 6s fl. 0.4s, ec. 1s fl. 0.4s, ec. 4.2s			Black beacon, orange triangular topmark point down.  ISOLATED DANGER BRB, beacon, topmark.	F.W. by day.
10443.5 <i>K 2989.8</i>	--Beacon C1.	23° 49.2' S 151° 14.8' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
10444.2 <i>K 2989.986</i>	-Fishermans Landing Wharf Range, front.	23° 47.3' S 151° 10.6' E	<b>F.G.</b>				F.Y. by day.
10444.3 <i>K 2989.9861</i>	--Rear, 284°48' from front.	23° 47.3' S 151° 10.5' E	<b>F.G.</b>				F.Y. by day.

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<b>AUSTRALIA-EAST COAST</b>							
10445 <i>K 2989.9</i>	-Targinie Channel Range, front.	23° 48.8' S 151° 14.8' E	<b>Q.W.</b>			Black pile, white triangular daymark point up.	F.W. by day (occasional). Targinie Channel marked by synchronized beacons T1 to T6.
			<b>Fl.Y.</b> period 2.5s				
10445.5 <i>K 2989.91</i>	--Rear, 0.8 mile 113°36' from front.	23° 49.2' S 151° 15.6' E	<b>Iso.W.</b> period 2s			Black pile, white triangular daymark point down.	F.W. by day (occasional).
			<b>Fl.Y.</b> period 2.5s				
10446 <i>K 2989.6</i>	-Gladstone AVIATION LIGHT.	23° 52.2' S 151° 13.4' E	<b>Fl.W.G.</b> period 10s		108 33		
10448 <i>K 2963</i>	<b>Lady Musgrave Islet.</b>	23° 54.5' S 152° 23.5' E	<b>Fl.W.</b> period 2s fl. 0.1s, ec. 1.9s		68 21	16 Steel framework tower; 56.	
10449.2 <i>K 2970.4</i>	-Blackney Point, No. 1.	24° 03.5' S 151° 38.1' E	<b>Fl.G.</b> period 2.5s			STARBOARD (A) G, beacon, topmark.	
10449.4 <i>K 2970.7</i>	-Turkey Beach, No. 3.	24° 04.3' S 151° 38.9' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
10452 <i>K 2964</i>	<b>Bustard Head.</b>	24° 01.3' S 151° 45.9' E	<b>Fl.(2)W.</b> period 10s fl. 0.1s, ec. 2.9s fl. 0.1s, ec. 6.9s	336 102	19	White round metal tower, red dome; 56.	Visible 112°-348°, obscured beyond Round Hill Head 318°-348°.
10456 <i>K 2963.5</i>	Round Hill, head.	24° 08.9' S 151° 53.2' E	<b>Fl.W.</b> period 4s	105 32	5		
10460 <i>K 2968</i>	Clews Point.	24° 00.2' S 151° 44.4' E	<b>Fl.W.R.</b> period 1.5s fl. 0.3s, ec. 1.2s	126 38	W. 8 R. 5	White metal framework tower with red lantern; 20.	R. 105°-110°, W.-212°, R.-242°, W.-304°.
10464 <i>K 2962</i>	<b>Lady Elliott Island.</b>	24° 06.9' S 152° 42.7' E	<b>Fl.W.</b> period 7.5s fl. 0.1s, ec. 7.4s	125 38	20	White fiberglass hut on framework tower; 105.	
	RACON		<b>B(- • • •)</b>		17		(3 & 10cm).
PORT BUNDABERG:							
10469 <i>K 2956.11</i>	-Channel Entrance No. 1.	24° 45.2' S 152° 28.1' E	<b>Q.(3)W.</b> period 10s			E. CARDINAL BYB, beacon, topmark.	Channel marked by synchronized beacons, Fl.G. 4s and Fl.R.
10471 <i>K 2956.5</i>	-Sea Reach, N.	24° 45.3' S 152° 23.5' E	<b>F.W.G.</b>			Metal framework tower; 36.	Shown on request to Gladstone Harbor Control. Occasional.
10471.1 <i>K 2956.501</i>	--S.	24° 45.3' S 152° 23.5' E	<b>F.W.R.</b>			Metal framework tower; 36.	Shown on request to Gladstone Harbor Control. Occasional.
10474 <i>K 2956.29</i>	-Middle Reach Range, front.	24° 45.6' S 152° 23.0' E	<b>Q.Bu.</b>				F.W. by day.
			<b>Fl.G.</b> period 4s				
10474.1 <i>K 2956.291</i>	--Rear, 140 meters 252°12' from front.	24° 45.7' S 152° 22.9' E	<b>Iso.Bu.</b> period 2s				F.W. by day.
10476 <i>K 2956</i>	<b>South Head.</b>	24° 45.5' S 152° 24.8' E	<b>Fl.(4)W.</b> period 20s	65 20	18	White concrete tower, red band; 59.	Visible 120°-320°.
10480 <i>K 2955</i>	<b>Bundaberg AVIATION LIGHT.</b>	24° 54.2' S 152° 19.5' E	<b>Al.Fl.W.G.</b> period 7.4s W. fl. 0.2s, ec. 3.5s G. fl. 0.2s, ec. 3.5s	161 49	W. 28 G. 24		

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>AUSTRALIA-EAST COAST</b>							
10484	<i>Breaksea Spit.</i>	24° 20.1' S 153° 09.1' E	<b>Q.W.</b>			N. CARDINAL BY, pillar, topmark	
	RACON		<b>G(- - •)</b>		12		(3 & 10cm).
10488 <i>K 2932</i>	<b>Sandy Cape.</b>	24° 43.8' S 153° 12.5' E	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.9s	421 <b>128</b>	<b>21</b>	White round metal tower, red cupola; 108.	Visible 353°-332°.
10490	-Burrum River Entrance.	25° 10.2' S 152° 39.0' E	<b>Fl.R.</b> period 2.5s			PORT (A) R, topmark.	
GREAT SANDY STRAIT:							
10491 <i>K 2938.6</i>	-Fairway.	25° 08.7' S 152° 49.9' E	<b>L.Fl.W.</b> period 10s			SAFE WATER RW, beacon, topmark.	
10491.1 <i>K 2938.7</i>	-S1.	25° 10.6' S 152° 52.4' E	<b>Fl.(4)Y.</b> period 10s			SPECIAL Y, beacon, "X" topmark.	
10491.2 <i>K 2938.8</i>	-MBN.	25° 12.3' S 152° 53.3' E	<b>Q.W.</b>			N. CARDINAL BY, beacon, topmark.	
10492 <i>K 2939</i>	-Datum Rock, EU.	25° 15.7' S 152° 56.3' E	<b>V.Q.W.</b>		1	N. CARDINAL BY, beacon, topmark.	
10560 <i>K 2916</i>	-Hook Point.	25° 47.0' S 153° 04.7' E	<b>Dir.W.R.G.</b> period 3s				Fl.G. 205°54'-280°24', Fl.W.- 281°36', Fl.R.-102°06'. F.W. by day.
10562 <i>K 2916.5</i>	-Inskip Point Range, front.	25° 48.6' S 153° 04.0' E	<b>Q.Bu.</b>				
10562.1 <i>K 2916.51</i>	--Rear, 243° from front.	25° 48.7' S 153° 03.8' E	<b>Iso.Bu.</b> period 2s				Lights are shown in the strait.

# Section 11

## North Pacific Islands and Melanesia Including Solomon Islands and Bismarck Archipelago

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>SOLOMON ISLANDS</b>							
SAN CRISTOBAL:							
10568 <i>K 4948.2</i>	-Kira Kira Range, front.	10° 27.0' S 161° 55.0' E	<b>FR.</b> (neon)	13	4	2 On street light post.	Indicates anchorage for small vessels.
10572 <i>K 4948.21</i>	--Rear, 56 meters 143° from front.	10° 27.0' S 161° 55.0' E	<b>FR.</b> (neon)	16	5	2 On street light post.	
10576 <i>K 4947.6</i>	-Wangalaha Point.	10° 17.9' S 161° 35.1' E	<b>Fl.W.</b> period 5s	99	30	8 White metal framework tower.	
10580 <i>K 4948</i>	-Kira Kira (No. 340).	10° 26.7' S 161° 55.5' E	<b>L.Fl.W.</b> period 20s fl. 2s, ec. 18s	33	10	10 White column.	
GUADALCANAL:							
10584 <i>K 4947</i>	-Square Island.	9° 49.5' S 160° 54.4' E	<b>Fl.W.</b> period 10s	33	10	10 White column.	Obscured 030°-041°, 057°-131° and 349°-352°.
10588 <i>K 4947.2</i>	-Marau South Range, front.	9° 51.2' S 160° 51.2' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	10	3	2 White metal tripod; 10.	
10592 <i>K 4947.21</i>	--Rear, 800 meters 006°36' from front.	9° 50.8' S 160° 51.3' E	<b>Q.(2)W.</b> period 10s	40	12	5 Orange metal framework tower; 39.	
10596 <i>K 4947.3</i>	-NE. Entrance Range, front.	9° 48.0' S 160° 50.0' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	10	3	2 White metal tripod; 10.	
10600 <i>K 4947.31</i>	--Rear, 700 meters 203° from front.	9° 48.9' S 160° 49.6' E	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 2.5s fl. 0.5s, ec. 11.5s	20	6	4 White metal tripod; 20.	
10604 <i>K 4947.4</i>	-Marau Harbor Reef.	9° 50.0' S 160° 50.0' E	<b>Fl.G.</b> period 3s	7	2	2 White metal tripod.	
10608 <i>K 4946</i>	-Rere Point.	9° 34.7' S 160° 36.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	33	10	5 White column.	
10612 <i>K 4945</i>	-Northwest Reef.	9° 29.2' S 160° 35.4' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	33	10	5 White column.	
10616 <i>K 4944</i>	-Taivu Point.	9° 24.7' S 160° 21.0' E	<b>L.Fl.(2)W.</b> period 20s fl. 2s, ec. 2s fl. 2s, ec. 14s	33	10	5 White column.	
10620 <i>K 4943</i>	-Sealark Reef.	9° 19.5' S 160° 19.9' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	33	10	10 White column.	
10624 <i>K 4942</i>	-Koli Point.	9° 24.5' S 160° 09.6' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	33	10	5 White column.	

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<b>SOLOMON ISLANDS</b>							
10628 <i>K 4940</i>	-Lungga Point.	9° 24.6' S 160° 01.3' E	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	33 10	5	White column.	Visible 045°-233°. <b>Aero Radiobeacon</b> 2.3 miles SSE.
10632 <i>K 4935</i>	-Point Cruz, on point.	9° 25.6' S 159° 57.5' E	<b>Fl.(3)R.</b> period 10s		4	Power pylon.	
10636 <i>K 4934</i>	-Honiara Anchorage Range, front, 640 meters from common rear.	9° 25.9' S 159° 57.6' E	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	43 13	4	Red and white fiberglass tower.	Forms range 234°30'.
10640 <i>K 4934.1</i>	Vavaya Ridge, common rear.	9° 26.1' S 159° 57.3' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s		4	White fiberglass tower.	
10644 <i>K 4934.2</i>	-Point Cruz West Anchorage, front, 500 meters from common rear.	9° 25.8' S 159° 57.3' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s		2	Mast; 39.	Forms range 185°45'.
10650 <i>K 4938</i>	-Jetty, head.	9° 25.7' S 159° 57.3' E	<b>F.G.</b>				
10652 <i>K 4932</i>	-Cape Esperance.	9° 15.6' S 159° 43.4' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	33 10	10	White column.	
	-Ngella Sule:						
10660 <i>K 4908</i>	--Tulaghi Harbor Range, front.	9° 06.1' S 160° 10.1' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	26 8	5	White column, red and yellow daymark.	
10664 <i>K 4908.1</i>	---Rear, 1143 meters 009°19' from front.	9° 05.5' S 160° 10.2' E	<b>Fl.(2)W.</b> period 10s	33 10	5	White column, red and yellow daymark.	
10665 <i>K 4909</i>	--Soghonangola.	9° 07.5' S 160° 09.4' E	<b>Fl.(2)R.</b> period 10s	33 10	3	White column.	
10668 <i>K 4907</i>	--Lyons Point.	9° 08.7' S 160° 13.9' E	<b>Fl.(3)W.</b> period 20s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 15s	33 10	10	White column.	
10672 <i>K 4912</i>	--Utuha Passage.	9° 03.7' S 160° 18.1' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	8	White column.	
10680 <i>K 4906</i>	--Indalilau Islet.	9° 11.6' S 160° 21.7' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	33 10	10	White column.	
	SANTA ISABEL:						
10684 <i>K 4924</i>	-Rua Dika.	8° 44.6' S 159° 53.5' E	<b>Fl.W.</b> period 10s	54 16	9	Orange structure.	
10688 <i>K 4998.7</i>	-Tasia Island.	8° 09.0' S 159° 37.9' E	<b>Fl.W.</b> period 20s fl. 1s, ec. 19s	33 10	10	White column.	
	MALAITA:						
10692 <i>K 4899</i>	-Manaoba Island.	8° 17.3' S 160° 48.2' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	30 9	11	Orange metal framework tower; 39.	Visible 090°-335°.
10696 <i>K 4899.4</i>	--Mbta'ama Harbor.	8° 24.1' S 160° 35.2' E	<b>Fl.R.</b> period 10s fl. 0.5s, ec. 9.5s	27 8	3	Orange metal framework tower.	

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<b>SOLOMON ISLANDS</b>							
10700 K 4901	-Auki Harbor.	8° 46.2' S 160° 42.1' E	<b>L.F.I.W.R.</b> period 5s	317 97	W. 15 R. 12	White framework tower; 16.	W. 349°-022°30', R.-048°, W.-159°.
10704 K 4902	--Range, front.	8° 46.5' S 160° 42.1' E	<b>Fl.R.</b> period 2.5s	26 8	5	White column, red and yellow daymark.	
10708 K 4902.1	---Rear 115 meters 051°45' from front.	8° 46.4' S 160° 42.1' E	<b>Fl.R.</b> period 1.5s fl. 0.3s, ec. 1.2s	33 10	5	White column, red and yellow daymark.	
10712 K 4903	-Outer reef.	8° 46.9' S 160° 41.6' E	<b>Q.(2)W.</b> period 10s	33 10	5	White column.	
10716 K 4904	-Maramasiki Passage, Maka.	9° 35.9' S 161° 23.0' E	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	33 10	5	White column.	
10720 K 4900	-Alite Reef, S. end.	8° 54.6' S 160° 38.1' E	<b>V.Q.(6)+L.F.I.W.</b> period 10s	33 10	4	White column, two triangular daymarks point down.	
10724 K 4920	Russell Islands.	8° 58.8' S 159° 14.4' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	36 11	10	White column.	
NEW GEORGIA:							
10728 K 4898	-South Island.	8° 49.1' S 157° 45.4' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	36 11	10	White column.	Obscured 170°-274°.
10732 K 4896	-Kunda Kunda Reef.	8° 23.0' S 157° 13.6' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	10	White column.	
10736 K 4896.4	-Munda Range, front.	8° 20.2' S 157° 13.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 9s	30 9	5	White column.	Visible 042°-062°.
10740 K 4896.41	--Rear, 700 meters 054° from front.	8° 19.8' S 157° 14.3' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	36 11	5	White column.	Visible 044°-064°.
10742 K 4894.8	-Hathorn Sound Range, front.	8° 15.3' S 157° 11.4' E	<b>Fl.G.</b> period 2.5s fl. 0.3s, ec. 2.2s	30 9	4	White column.	
10742.1 K 4894.81	--Rear, 170 meters 190° from front.	8° 15.4' S 157° 11.4' E	<b>Fl.G.</b> period 1.5s fl. 0.3s, ec. 1.2s	36 11	4	White column.	
10743 K 4894.7	-Tunguivili Point.	8° 11.4' S 157° 12.9' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	36 11	5	White column.	
10744 K 4894.6	-Sosomboeke Islet.	8° 08.3' S 157° 09.6' E	<b>Fl.(2)W.</b> period 15s fl. 0.5s, ec. 0.5s fl. 0.5s, ec. 13.5s	33 10	10	White column.	
-Gizo Island:							
10748 K 4893	--Gizo Harbor, NW. entrance range, front.	8° 04.1' S 156° 50.2' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	16 5	3	White tripod, concrete base.	
10752 K 4893.1	---Rear, 740 meters 201° from front.	8° 04.4' S 156° 50.1' E	<b>Fl.W.</b> period 5s fl. 0.4s, ec. 4.6s	36 11	5	White metal tripod.	
10756 K 4893.4	--E. entrance Range, front, 1040 meters 269° from common rear.	8° 05.5' S 156° 52.4' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	30 9	5	White column.	

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<b>SOLOMON ISLANDS</b>							
10760 <i>K 4893.41</i>	---Common rear.	8° 05.6' S 156° 51.8' E	<b>Fl.(3)R.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 1s fl. 1s, ec. 5s	36 11	5	White column.	
10762 <i>K 4893.42</i>	--SW. entrance, 550 meters 032°32' from common rear.	8° 05.8' S 156° 51.7' E	<b>Fl.(2)G.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	30 9	3	White column.	
10764 <i>K 4895</i>	-Visu Visu Point.	7° 57.6' S 157° 30.1' E	<b>Fl.(2)W.</b> period 15s fl. 0.7s, ec. 1s fl. 0.7s, ec. 12.6s	33 10	10	White column.	Visible 133°-282°. <b>Radar reflector.</b>
10768 <i>K 4892.4</i>	-Nakaza Island.	7° 52.6' S 156° 29.2' E	<b>Fl.W.</b> period 10s fl. 0.5s, ec. 9.5s	33 10	7	White column.	
CHOISEUL:							
10772 <i>K 4892</i>	-Papara Voghoe Point.	7° 10.2' S 156° 52.0' E	<b>Fl.W.R.G.</b> period 10s fl. 0.5s, ec. 9.5s	167 51	W. 8 R. 5 G. 5	White metal framework tower; 39.	W. shore-327°, R.-346°, W.- 050°, G.-065°, W.-087°, R.-120°, W.-shore.
BOUGAINVILLE:							
10776 <i>K 4888</i>	-East Point.	6° 48.1' S 155° 54.8' E	<b>Fl.W.</b> period 2.5s fl. 0.5s, ec. 2s	19 6	9	White column; 16.	Visible 233°-118°.
10780 <i>K 4887</i>	-Rantan Island.	6° 40.9' S 155° 59.0' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	87 27	14	White framework tower; 30.	Visible 134°-022°.
10783 <i>K 4885.7</i>	-Banaru Reef.	6° 08.3' S 155° 39.0' E	<b>Fl.(2)G.</b> period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	26 8	4	White and orange pile.	<b>Radar reflector.</b>
10784 <i>K 4885.8</i>	-Moto Reef.	6° 08.8' S 155° 39.5' E	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	26 8	7	White framework tower; 26.	<b>Radar reflector.</b>
10788 <i>K 4886</i>	-Otua Islet.	6° 27.4' S 155° 58.4' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	85 26	14	White framework tower; 75.	Visible 143°-359°.
10792 <i>K 4889</i>	-Onua Island.	7° 05.0' S 155° 55.9' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	5	White column.	
10796 <i>K 4884.4</i>	-Takanupe.	6° 08.9' S 155° 34.3' E	<b>Fl.(2)W.R.</b> period 5s		5		W. 192°-012°, R.-192°.
10804 <i>K 4885.5</i>	-Kieta Harbor.	6° 12.5' S 155° 38.3' E	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	30 9	7	Green pole, green triangular daymark point up, on concrete base; 20.	
10808 <i>K 4885.6</i>	--Wogoromodo Reef.	6° 10.1' S 155° 39.0' E	<b>Fl.(2)R.</b> period 12s fl. 0.3s, ec. 1s fl. 0.3s, ec. 10.4s	26 8	7	Framework tower, red square daymark, on white base.	
10824 <i>K 4884</i>	-Cape L'Averdy.	5° 32.5' S 155° 03.9' E	<b>Fl.W.</b> period 6s fl. 0.6s, ec. 5.4s	82 25	15	White framework tower; 66.	
10828 <i>K 4883</i>	-Madehas Island.	5° 27.6' S 154° 38.1' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	450 137	16	White framework tower; 49.	

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<b>SOLOMON ISLANDS</b>							
10830 K 4883.5	-Buka Passage.	5° 24.4' S 154° 42.7' E	<b>Fl.W.</b> period 2.5s	23 7	10	Beacon.	
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<b>BISMARCK ARCHIPELAGO</b>							
NEW BRITAIN:							
10832 K 3504	-Cape Gazelle.	4° 19.4' S 152° 23.8' E	<b>Fl.(2)W.</b> period 6s fl. 0.3s, ec. 1s fl. 0.3s, ec. 4.4s	17 5	10	White fiberglass hut; 7.	
10836 K 3505	-Cape Wunita.	4° 20.2' S 152° 24.3' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	26 8	10	White fiberglass hut; 7.	Visible 180°-015°.
10838 K 3500	-Mackenzie Shoal.	4° 15.4' S 152° 13.5' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	26 8	9	White pile, orange bands; 26.	
-Simpson Harbor:							
10844 K 3498	--Rabaul Entrance Range, front.	4° 12.0' S 152° 10.1' E	<b>Fl.W.</b> period 2s fl. 0.4s, ec. 1.6s	92 28	10	White framework tower.	F.R. 0.64 mile NW.
10848 K 3498.1	--Rear, 430 meters 349°24' from front.	4° 11.7' S 152° 10.1' E	<b>Fl.W.</b> period 5s	125 38	7		
10852 K 3494	-Cape Tawui.	4° 08.2' S 152° 10.2' E	<b>Fl.W.</b> period 7.5s	154 47	18	White fiberglass hut; 7.	Visible 050°-300°.
10864 K 3492	-Cape Lambert.	4° 04.5' S 151° 31.2' E	<b>Fl.(3)W.</b> period 15s fl. 0.4s, ec. 1s fl. 0.4s, ec. 1s fl. 0.4s, ec. 11.8s	66 20	10	White pile; 66.	
10868 K 3491.2	-Tavanatangir Harbor, No. 2.	4° 48.6' S 151° 40.5' E	<b>Fl.(2)R.</b> period 8s fl. 0.4s, ec. 1s fl. 0.4s, ec. 6.2s	13 4	4	White pile; 13.	
-Kimbe Bay:							
10869 K 3490.1	--No. 1.	5° 18.2' S 150° 58.6' E	<b>Fl.(3)G.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	16 5	6	Pile; 16.	
10869.2 K 3490.12	--No. 2.	5° 17.9' S 150° 58.6' E	<b>Fl.(3)R.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	20 6	6	Pile; 16.	
10869.5 K 3490.14	--No. 3.	5° 18.6' S 150° 59.4' E	<b>Fl.G.</b> period 5s fl. 0.2s, ec. 4.8s	16 5	3	Pile; 16.	
10869.7 K 3490.16	--No. 4.	5° 18.3' S 150° 59.6' E	<b>Fl.R.</b> period 5s fl. 0.2s, ec. 4.8s	16 5	3	Pile; 16.	
10870 K 3490.18	--No. 5.	5° 18.8' S 150° 59.9' E	<b>Fl.(4)G.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	16 5	3	Pile; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BISMARCK ARCHIPELAGO</b>							
10870.2 K 3490.2	--No. 6.	5° 18.2' S 150° 58.8' E	<b>Fl.(4)R.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	20 6	3	Pile; 20.	
10870.5 K 3490.22	--No. 7.	5° 18.6' S 151° 00.4' E	<b>Q.(2)G.</b> period 4s	20 6	3	Pile; 20.	
10870.7 K 3490.24	--No. 8.	5° 17.9' S 151° 00.4' E	<b>Q.(2)R.</b> period 4s	16 5	3	Pile; 16.	
10871 K 3490.26	--No. 9.	5° 17.4' S 150° 59.9' E	<b>Q.G.</b>	20 6	3	Pile; 20.	
10871.2 K 3490.28	--No. 10.	5° 16.6' S 150° 59.3' E	<b>Fl.(2)R.</b> period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	16 5	3	Pile; 16.	
10871.7 K 3490.32	--No. 12.	5° 16.5' S 150° 57.9' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	43 13	10	White three-pile; 43.	
10872 K 3486	-Kimbe Island.	5° 12.3' S 150° 22.6' E	<b>Fl.(3)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	361 110	8	White fiberglass hut; 13.	
10874 K 3489.5	-Buluma, E. side.	5° 31.3' S 150° 18.1' E	<b>Fl.R.</b> period 3s fl. 0.3s, ec. 2.7s	20 6	4	Pile structure; 20.	
10874.1 K 3489.55	--W. side.	5° 31.4' S 150° 17.4' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	23 7	4	Pile structure; 23.	
10876 K 3488	-Grabo Reef, No. 1.	5° 28.7' S 150° 12.7' E	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	20 6	10	Pile ;20.	Kimbe channel is marked by lights.
10880 K 3484	-Cape Hollman.	4° 59.5' S 150° 07.3' E	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	10	Concrete platform, on pile; 26.	
10884 K 3480	-Unea Island.	4° 55.8' S 149° 08.1' E	<b>Fl.(2)W.</b> period 8s fl. 0.4s, ec. 1s fl. 0.4s, ec. 6.2s	23 7	10	Concrete platform, on pile; 23.	Visible 232°-18'-141°42'. <b>Radar reflector.</b>
10888 K 3478	-Kiau Point, on Long Island.	5° 12.3' S 147° 05.2' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	92 28	10	White framework tower; 92.	Visible 064°-272°.
10890 K 3506.5	<b>-Abligini Island.</b>	6° 18.7' S 150° 04.6' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	339 103	10	White fiberglass hut; 7.	Visible 290°-086°.
10892 K 3506	-Cape Orford.	5° 26.7' S 152° 05.1' E	<b>Fl.(3)W.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 10.5s	308 94	10	White fiberglass hut; 7.	Visible 222°-060°.
DUKE OF YORK ISLAND:							
10894 K 3495	-Nakukuru Point.	4° 09.8' S 152° 24.6' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1s fl. 0.5s, ec. 8s	23 7	10	White pile; 23.	
10894.5 K 3495.5	-Kabiletdad Point.	4° 07.0' S 152° 26.7' E	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	62 19	3	White fiberglass hut; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BISMARCK ARCHIPELAGO</b>							
NEW IRELAND:							
10896 K 3514	-Cape St. George.	4° 50.9' S 152° 52.6' E	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	331 101	10	White framework tower; 43.	Visible 230°-136°, obscured beyond several islands.
10900 K 3512	-Mait Island.	3° 00.1' S 150° 43.6' E	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	260 79	10	White framework tower; 52.	Visible 265°-205°.
10904 K 3511	-Steffan Strait.	2° 42.5' S 150° 36.9' E	<b>Fl.(2)W.</b> period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	43 13	10	White three-pile; 43.	<b>Radar reflector.</b>
10904.1 K 3510.8	-Vutte Island, W. side.	2° 39.5' S 150° 37.7' E	<b>Fl.(2)G.</b> period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	16 5	4	White pile; 16.	Visible 358°-195°.
10904.2 K 3510.7	-Lemus Island, S. end.	2° 38.2' S 150° 37.5' E	<b>Fl.W.</b> period 3s fl. 0.3s, ec. 2.7s	23 7	4	White mast; 23.	Visible 313°-170°.
10904.3 K 3510.6	-Nusaum Island.	2° 38.3' S 150° 38.5' E	<b>Q.R.</b>	23 7	4	White mast; 23.	Visible 239°-075°.
10905 K 3510.5	-Cape Siwusat.	2° 37.0' S 150° 46.6' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	30 9	10	White mast; 30.	
10912 K 3510	-Kavieng Harbor.	2° 35.5' S 150° 47.1' E	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	13 4	8	White fiberglass hut, concrete base; 13.	
MANUS ISLAND:							
10916 K 3507	-Seeadler Harbor, Ndrilo Island.	1° 57.6' S 147° 19.1' E	<b>Fl.(4)W.</b> period 16s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 9.5s	87 27	10	White framework tower; 82.	
10917 K 3507.35	--Southward.	1° 59.3' S 147° 19.7' E	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	13 4	2	Pile; 13.	
10918 K 3507.1	--Beacon No. 1.	1° 59.9' S 147° 17.1' E	<b>Fl.G.</b> period 3s fl. 0.3s, ec. 2.7s	13 4	4	White pile structure; 13.	
10918.2 K 3507.2	---No. 2.	1° 59.6' S 147° 13.8' E	<b>Q.(2)W.</b> period 5s	16 5	4	White pile; 16.	
10918.4 K 3507.3	---No. 3.	2° 01.4' S 147° 16.5' E	<b>Q.(3)G.</b> period 6s	16 5	4	Pile structure; 16.	
10919 K 3507.5	--Lobrum Point, northward.	2° 01.5' S 147° 22.7' E	<b>Fl.(2)G.</b> period 8s fl. 0.5s, ec. 1s fl. 0.5s, ec. 6s	13 4	2	Pile; 13.	
10920 K 3508	--Lombrum Bay, jetty.	2° 02.5' S 147° 22.5' E	<b>Q.G.</b>	16 5	4	White post; 7.	
10924 K 3507.6	--Papitalai Harbor, Nahuchie Point.	2° 02.4' S 147° 24.2' E	<b>Fl.W.</b> period 2.5s	22 7	10	White fiberglass hut; 20.	
10925 K 3509.3	-Hyane Harbor.	2° 02.7' S 147° 25.2' E	<b>Q.W.</b>	23 7	10	Beacon.	
10926 K 3509.5	Nauna Island.	2° 13.2' S 148° 11.8' E	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	177 54	14	White fiberglass hut, on concrete base; 10.	Visible 308°-190°.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BISMARCK ARCHIPELAGO</b>							
10928 <i>K 3476</i>	Alim Island.	2° 53.3' S 147° 03.7' E	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	105 32	10	White framework tower; 102.	
<b>NORTH PACIFIC ISLANDS</b>							
PALAU ISLANDS:							
10932 <i>F 2111.9</i>	<b>-Kepulauan Mapia.</b>	0° 48.3' N 134° 18.1' E	<b>Fl.(3+1)W.</b> period 30s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 11s fl. 1s, ec. 11s	138 42	15	White metal framework tower; 98.	
10933 <i>F 2112</i>	-Asia Group, Fani Island.	1° 04.5' N 131° 16.0' E	<b>Fl.(2)W.</b> period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 7.5s	49 15	11	White beacon.	
10934 <i>M 8410</i>	-Angaur Island.	6° 53.9' N 134° 07.6' E	<b>Fl.W.</b> period 5s		10		
10936 <i>M 8408</i>	-Malakal Pass.	7° 16.9' N 134° 27.9' E	<b>Fl.W.</b> period 6s	24 7	7	White round concrete tower.	<b>Aero Radiobeacon</b> 4.2 miles NNE.
CAROLINE ISLANDS:							
-Yap:							
10942 <i>M 8425</i>	--Tamil Harbor S., No. 2.	9° 29.4' N 138° 07.9' E	<b>Fl.R.</b> period 2.5s	20 6	4	Pile, red square daymark.	
10943 <i>M 8425.1</i>	---No. 1.	9° 29.4' N 138° 07.9' E	<b>Fl.G.</b> period 2.5s	20 6	4	Pile, green and red square daymark.	
10943.5 <i>M 8430</i>	-Woleai Atoll, Pial Island.	7° 20.8' N 143° 49.6' E	<b>Fl.W.</b> period 2.5s		6		
-Truk:							
10944 <i>M 8447</i>	--Northeast Pass, S. side of reef.	7° 30.1' N 151° 58.4' E	<b>Fl.W.</b> period 6s	29 9	6	White round concrete tower; 29.	
10944.25 <i>M 8448.2</i>	---No. 4.	7° 30.0' N 151° 55.9' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
10944.3 <i>M 8448.4</i>	---No. 6.	7° 29.8' N 151° 54.4' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
10944.4 <i>M 8448.5</i>	---No. 8.	7° 29.8' N 151° 52.7' E	<b>Fl.R.</b> period 2.5s	13 4	4	PORT (A) R, pile, topmark.	
10944.6 <i>M 8448.7</i>	---No. 10.	7° 29.3' N 151° 51.8' E	<b>Fl.R.</b> period 4s			PORT (A) R, beacon, topmark.	
10944.7 <i>M 8449</i>	---No. 11.	7° 29.0' N 151° 49.7' E	<b>Fl.G.</b> period 4s			STARBOARD (A) G, beacon, topmark.	
-Pohnpei:							
10946 <i>M 8453.2</i>	--Light 2.	6° 59.9' N 158° 10.8' E	<b>Fl.R.</b> period 4s	20 6	4	PORT (A) R, beacon, topmark.	Channel marked by Fl.W. 4s and unlit beacons.
10947 <i>M 8453.7</i>	--AVIATION LIGHT, Peipalap Mountain.	6° 58.7' N 158° 11.4' E	<b>F.R.</b>	622 190			Obstruction light.
10948 <i>M 8453</i>	--Jokaj Passage Range, front.	6° 59.2' N 158° 11.3' E	<b>Q.W.</b>	22 7		Pile, black and white rectangular daymark.	
10948.1 <i>M 8453.1</i>	---Rear, 366 meters 145° from front.	6° 59.0' N 158° 11.4' E	<b>Iso.W.</b> period 6s	47 14		Pile, black and white rectangular daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NORTH PACIFIC ISLANDS</b>							
10950 <i>M 8455</i>	--W. side, on reef.	6° 51.9' N 158° 06.5' E	<b>Fl.W.</b> period 60s	9 3	2	Concrete base; 16.	Solar-powered battery-operated. Irregular flashes during continuous inclement weather.
10952 <i>M 8453.4</i>	--AVIATION LIGHT on Takatik.	6° 58.9' N 158° 12.2' E	<b>Al.FI.W.G.</b>				Occasional.
	-Kusaie:						
10952.2 <i>M 8457</i>	--Lele Harbor Range, front.	5° 19.6' N 163° 01.4' E	<b>Q.R.</b>	10 3		Pile, red rectangular daymark, white stripe.	
10952.4 <i>M 8457.1</i>	--Rear, 427 meters 277° from front.	5° 19.6' N 163° 01.2' E	<b>Iso.R.</b> period 6s	19 6		Pile, red rectangular daymark, black stripe.	
10952.6 <i>M 8459</i>	--Okat Harbor Range, front.	5° 20.8' N 162° 57.5' E	<b>Iso.W.</b> period 3s	36 11	5	Black metal pile with platform, white triangular daymark, point up.	
10952.7 <i>M 8459.1</i>	--Rear, 300 meters 094°54' from front.	5° 20.8' N 162° 57.6' E	<b>F.W.</b>	52 16	5	Black metal pile with platform, white triangular daymark, point down.	
	MARIANA ISLANDS:						
	-Saipan:						
10955 <i>M 8364</i>	--Maniagassa (Managaha) Island.	15° 14.4' N 145° 42.7' E	<b>Fl.W.R.G.</b> period 6s fl. 0.6s, ec. 5.4s	75 23	5	Post, black and white checkered diamond daymark.	G. 030°-040°, W.-047°, R.-057°.
10956 <i>M 8366</i>	--Puetton Tanapag (Tanapag Harbor) Range, front.	15° 13.7' N 145° 44.4' E	<b>Q.G.</b>	52 16		Framework tower, red rectangular daymark, white stripe.	Visible 084°6'-092°6'. F.R. on radio masts 1.2 miles SW.
10960 <i>M 8366.1</i>	--Rear, 922 meters 088°6' from front.	15° 13.8' N 145° 45.0' E	<b>Iso.G.</b> period 6s	125 38		Framework tower, red rectangular daymark, white stripe.	Visible 084°6'-092°6'.
	-Tinian:						
10961 <i>M 8371</i>	--Ushi Point.	15° 05.9' N 145° 38.5' E	<b>Fl.W.</b> period 2.5s	18 5	6	Pile, black and white checkered diamond daymark.	
10962 <i>M 8370</i>	--Sunharon Roads Channel Light No. 5, corner of pier.	14° 57.9' N 145° 37.5' E	<b>Fl.G.</b> period 4s	20 6	4	Post, green triangular daymark point up; 13.	
	-Rota:						
10976 <i>M 8374</i>	--West Harbor Range, front.	14° 08.1' N 145° 07.9' E	<b>Q.G.</b>	36 11		Post, rectangular red daymark, white stripe.	Visible 113°12'-121°12'.
10980 <i>M 8374.1</i>	--Rear, 27 meters 117°12' from front.	14° 08.1' N 145° 08.0' E	<b>Iso.G.</b> period 6s	49 15		Post, rectangular red daymark, white stripe; 36.	Visible 113°12'-121°12'.
	-Guam:						
10981 <i>M 8382</i>	--Ritidian Point (U.S.).	13° 39.0' N 144° 51.7' E	<b>Fl.W.</b> period 6s	573 175	9	Column, black and white checkered diamond daymark; 20.	Visible 053°-291°.
10982 <i>M 8384</i>	--Orote Point (U.S.).	13° 26.8' N 144° 37.2' E	<b>Fl.W.</b> period 5s	226 69	14	Concrete tower, black and white checkered diamond daymark; 20.	Visible 358°-227°.
	--Apra Outer Harbor:						
10983 <i>M 8386</i>	---Entrance Range, front (U.S.).	13° 27.4' N 144° 40.0' E	<b>Q.G.</b>	39 12		Metal post, red rectangular daymark, white stripe.	Visible 079°42'-087°42'.
10983.1 <i>M 8386.1</i>	----Rear (U.S.), 610 meters 083°42' from front.	13° 27.4' N 144° 40.3' E	<b>Iso.G.</b> period 6s	82 25		Framework tower, red rectangular daymark, white stripe; 59.	Visible 079°42'-087°42'.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>NORTH PACIFIC ISLANDS</b>							
10984 <i>M 8386.2</i>	--Glass Breakwater (U.S.)	13° 27.3' N 144° 37.5' E	<b>Fl.W.</b> period 4s	59 <b>18</b>	6	Post, black and white checkered diamond daymark; 16.	
	--Apra Inner Harbor:						
10985 <i>M 8387.4</i>	--Approach Range, front (U.S.)	13° 26.5' N 144° 40.0' E	<b>Q.R.</b>	15 <b>5</b>	11	Post, red rectangular daymark, white stripe.	Visible 137°-145°.
10985.1 <i>M 8387.41</i>	---Rear (U.S.), 128 meters 141° from front.	13° 26.5' N 144° 40.1' E	<b>Iso.R.</b> period 6s	30 <b>9</b>		Post, red rectangular daymark, white stripe.	Visible 137°-145°.
10986 <i>M 8388</i>	---Range, front (U.S.)	13° 25.1' N 144° 40.0' E	<b>Q.G.</b>	43 <b>13</b>		Post, red rectangular daymark, white stripe.	Visible 172°30'-180°30'.
10986.1 <i>M 8388.1</i>	---Rear (U.S.), 172 meters 176° from front.	13° 25.0' N 144° 40.0' E	<b>Iso.G.</b> period 6s	59 <b>18</b>		Post, red rectangular daymark, white stripe.	Visible 172°30'-180°30'.
MARSHALL ISLANDS:							
-Kwajalein:							
10988 <i>M 8467</i>	--Kwajalein AVIATION LIGHT.	8° 43.8' N 167° 44.4' E	<b>Al.FI.W.G.</b>	124 <b>38</b>		Water tower.	F.R. on water tower close N. Fl.W. on telephone tower on Ebeye Is. (2.6 miles N). <b>Aero Radiobeacon</b> 0.9 mile SW.
11010 <i>M 8467.4</i>	--Bigej Channel No. 7 (U.S.)	8° 47.0' N 167° 42.5' E	<b>Fl.G.</b> period 4s	13 <b>4</b>	5	Post, green square daymark; 13.	
11014 <i>M 8467.5</i>	--Bigej Junction N (U.S.)	8° 44.3' N 167° 43.7' E	<b>Fl.(2+1)G.</b> period 6s	12 <b>4</b>	5	Green and red bands.	
11040 <i>M 8468</i>	--AVIATION LIGHT, on Roi Namur.	9° 23.8' N 167° 28.5' E	<b>Al.FI.W.G.</b>			Red and white water tower.	
-Bikini Atoll:							
11050 <i>M 8471</i>	--Enyu.	11° 31.2' N 165° 33.7' E	<b>Fl.G.</b>				
-Majuro Atoll:							
11060 <i>M 8465</i>	--Eroj Island.	7° 09.8' N 171° 09.9' E	<b>Fl.W.</b> period 6s	90 <b>27</b>	7	White framework tower, diamond daymark, 85.	
11060.2 <i>M 8466.2</i>	--Calalin Channel No. 1.	7° 09.7' N 171° 10.4' E	<b>Fl.G.</b> period 2.5s	21 <b>6</b>	4	Pile, green triangular daymark point up; 13.	
11060.25 <i>M 8466.25</i>	--Light No. 2.	7° 09.8' N 171° 10.8' E	<b>Fl.R.</b> period 2.5s	21 <b>6</b>	4	Pile, red square daymark; 13.	
11060.3 <i>M 8466.3</i>	--Light No. 3.	7° 09.2' N 171° 10.7' E	<b>Fl.G.</b> period 4s	21 <b>6</b>	4	Pile, green triangular daymark point up; 13.	
11060.35 <i>M 8466.35</i>	--Light No. 4.	7° 09.3' N 171° 10.9' E	<b>Fl.R.</b> period 4s	21 <b>6</b>	4	Pile, red square daymark; 13.	
11060.55 <i>M 8466.55</i>	--Light No. 8.	7° 08.1' N 171° 14.8' E	<b>Fl.R.</b> period 4s	21 <b>6</b>	4	Pile, red square daymark; 13.	
11060.75 <i>M 8466.75</i>	--Light No. 11.	7° 06.4' N 171° 17.4' E	<b>Fl.G.</b> period 2.5s	21 <b>6</b>	4	Pile, green triangular daymark point up; 13.	
11061	--AVIATION LIGHT.	7° 04.1' N 171° 16.9' E	<b>Fl.W.G.</b>				<b>Radiobeacon</b> close E.
GILBERT ISLANDS:							
11072	--Beru, Government Wharf.	1° 22.0' N 175° 57.0' E	<b>F.W.</b>				Shown only when a ship is present at night.
11076 <i>M 8508</i>	--Tarawa, NW. point.	1° 38.0' N 172° 57.0' E	<b>L.FI.W.</b> period 20s fl. 4s, ec. 16s			Metal framework tower; 70.	

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<b>NORTH PACIFIC ISLANDS</b>							
11080 <i>M 8512</i>	-- <b>Betio.</b>	1° 21.3' N 172° 55.2' E	<b>Fl.W.</b> period 8s fl. 0.3s, ec. 7.7s	105 32	18	Radio tower; 108.	
-Tarawa Atoll:							
11084 <i>M 8515</i>	---Boat harbor, E. jetty.	1° 22.0' N 172° 56.0' E	<b>F.R.</b>	53 16	4		
11092 <i>M 8516</i>	--Bairiki, boat harbor, Beacon F.	1° 20.1' N 172° 58.5' E	<b>Q.R.</b>	8 2		White framework tower, white triangular daymark point up.	Occasional.
11094 <i>K 4771</i>	Nauru Island, AVIATION LIGHT.	0° 32.8' S 166° 54.6' E	<b>Fl.W.G.</b> period 10s				
11096 <i>M 8482</i>	<b>Wake Island</b> , AVIATION LIGHT.	19° 17.0' N 166° 39.0' E	<b>Al.Fl.W.G.</b> period 10s	61 19	W. 28 G. 23	White framework tower, orange bands; 52.	
11100 <i>M 8536</i>	<b>Christmas Island</b> , AVIATION LIGHT.	1° 59.1' N 157° 28.9' W	<b>F.R.</b>	128 39	17	Framework tower.	Obstruction.
11108 <i>M 8528</i>	Fanning Island, Weston Point.	3° 51.2' N 159° 22.0' W	<b>F.W.</b>	30 9	12	Stone Monument.	Shown on request.
MIDWAY ISLANDS:							
11112 <i>G 7580</i>	-Sand Island, AVIATION LIGHT.	28° 12.7' N 177° 22.6' W	<b>Al.Fl.W.W.G.</b> period 10s	158 48		Red and white checkered tank.	F.R. lights on tower 325 yards WNW. <b>Aero Radiobeacon</b> 1000 yards S.



# Section 12

## British Columbia Dixon Entrance to Queen Charlotte Strait

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ALASKA-CANADA</b>							
DIXON ENTRANCE (U.S.):							
11132 G 5924	-Cape Muzon, W. side of entrance to Cordova Bay.	54° 39.8' N 132° 41.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	80 24		7 Column, red and white diamond daymark.	Visible 297°-089°.
11136 G 5916	-Round Island, Cordova Bay, SW. side of W. island.	54° 46.7' N 132° 30.4' W	<b>Fl.W.R.</b> period 2.5s	56 17	W. R.	6 Skeleton tower, red and white diamond daymark.	R. 327°-346°, W.-149°30'.
11140 G 5914	-Point Marsh, on small islet SE. of point.	54° 42.7' N 132° 17.7' W	<b>Fl.W.</b> period 4s	74 23		6 Skeleton tower, red and white diamond daymark.	Visible 265°-127°.
11144 G 5910	-Cape Chacon.	54° 41.4' N 132° 01.0' W	<b>Fl.W.</b> period 2.5s	50 15		6 Framework tower, red and white diamond daymark.	Visible 226°30'-112°.
11148 G 5988	-Barren Island.	54° 44.7' N 131° 20.9' W	<b>Fl.W.</b> period 4s	85 26		7 Post, red and white diamond daymark.	
11152 G 5818	-Jacinto Point. (Can.)	54° 34.7' N 131° 04.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	35 11		5 White square skeleton tower.	
11156 G 5984	-Tree Point, E. end of S. entrance to Revillagigedo Channel.	54° 48.2' N 130° 55.9' W	<b>Fl.W.</b> period 6s	86 26		9 White square tower, on building.	Obscured 158°-318°.
11160 G 5972	-Lord Rock.	54° 43.6' N 130° 49.1' W	<b>Fl.W.</b> period 4s fl. 0.4s, ec. 3.6s	38 12		7 Skeleton tower, red and white diamond daymark.	
11164 G 5863.8	Pearse Canal Island. (Can.)	54° 47.1' N 130° 36.5' W	<b>Fl.W.</b> period 4s	12 4		5 Orange square skeleton tower.	
PORTLAND INLET:							
11168 G 5864	-Lizard Point. (Can.)	54° 50.0' N 130° 16.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	28 9		5 Red cylindrical tower.	
11172 G 5866	-Ramsden Point. (Can.)	54° 59.0' N 130° 06.3' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7		5 Orange square skeleton tower.	
11172.2 G 5866.6	-Double Islets. (Can.)	54° 57.7' N 129° 56.8' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	26 8		5 Square skeleton tower, orange rectangular daymark.	
11172.4 G 5866.8	-Fort Point. (Can.)	54° 59.1' N 129° 54.9' W	<b>Fl.W.</b> period 4s	20 6		5 Square skeleton tower, orange rectangular daymark.	
11172.6 G 5867	-Mill Bay. (Can.)	54° 59.7' N 129° 53.3' W	<b>Q.W.</b>	19 6		4 Square skeleton tower, orange rectangular daymark.	
11172.8 G 5867.4	-Leading Point. (Can.)	54° 58.8' N 129° 50.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	18 6		5 Square skeleton tower, orange rectangular daymark.	

For lights in Alaska and the Aleutian Islands, see C.G. Light List Pacific Coast, Vol. VI.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>ALASKA-CANADA</b>							
PORTLAND CANAL:							
11176 G 5882	-Reef Island. (U.S.)	55° 04.8' N 130° 12.1' W	<b>Fl.W.</b> period 4s fl. 0.4s, ec. 3.6s	19 6	6	Column, red and white diamond daymark.	Obscured 020°30'-197°30'. Higher intensity beam up Portland Canal, higher intensity beam down Pearse Canal.
11180 G 5884	-Hattie Island. (Can.)	55° 17.2' N 129° 58.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	21 6	6	Orange square skeleton tower.	
11188 G 5888	-Stewart Point. (Can.)	55° 54.7' N 129° 59.5' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	8 2	5	Orange square skeleton tower.	
For lights in Alaska and the Aleutian Islands, see C.G. Light List Pacific Coast, Vol. VI.							
<b>CANADA</b>							
PORTLAND INLET:							
11192 G 5889	-Stewart Dolphin, W.	55° 54.8' N 130° 00.3' W	<b>Fl.G.</b> period 4s	10 3	4	Mast on three-pile dolphin, black, white and green daymark.	
11193 G 5890	-Stewart Bulk Terminal.	55° 54.9' N 130° 00.3' W	<b>F.R.</b>				Private light.
11193.1	--SE.	55° 54.9' N 130° 00.2' W	<b>F.R.</b>				Private light.
11193.2	--NW.	55° 55.0' N 130° 00.4' W	<b>F.R.</b>				Private light.
OBSERVATORY INLET:							
11196 G 5869	-Observatory Inlet.	55° 09.9' N 129° 54.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	6	Orange square skeleton tower.	
11200 G 5870	-Richards Point.	55° 17.3' N 129° 48.8' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	5	Square skeleton tower, orange rectangular daymark.	
11204 G 5872	--Brooke Shoal.	55° 22.9' N 129° 42.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	18 5	5	Square skeleton tower, orange rectangular daymark.	
11208 G 5874	-Hyde Rock.	55° 23.7' N 129° 41.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	16 5	6	Orange square skeleton tower.	
11212 G 5876	-Alice Arm, S. of Hans Point.	55° 25.6' N 129° 40.1' W	<b>F.R.</b> period 4s fl. 0.5s, ec. 3.5s	19 6	4	Orange square skeleton tower.	
11214 G 5877	-Pearson Point.	55° 27.4' N 129° 30.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	17 5	6	Orange square skeleton tower.	
11216 G 5878	-Alice Arm, wharf.	55° 28.2' N 129° 29.7' W	<b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s	15 5	4	Square skeleton tower, black, white and green square daymark.	

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<b>CANADA</b>							
11232 G 5837.4	--Lawn Point Sector.	53° 25.5' N 131° 54.8' W	<b>Dir.W.R.G.</b>	42 13	7	Square skeleton tower, white rectangular daymark.	F.R. 230°-235°, F.W.-241°, F.G.-245° (white sector indicates preferred channel).
	--RACON		<b>K(- • -)</b>		<b>15</b>		(3 & 10cm).
11244 G 5838.4	-Flowery Islet, highest point.	53° 13.3' N 132° 00.3' W	<b>Q.W.</b>	24 7	5	Square skeleton tower.	
11248 G 5840	-South Bay, small island, W. end.	53° 09.9' N 132° 03.9' W	<b>Fl.W.</b> period 4s	12 4	5	Square skeleton tower.	
11252 G 5838.6	--Kwuna Point, Government wharf, end.	53° 12.9' N 131° 59.5' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	12 4	6	Square skeleton tower.	
11256 G 5838.8	--Alliford Bay, SW. of Kwuna Point.	53° 12.8' N 131° 59.6' W	<b>Fl.W.</b> period 4s	12 4	5	White cylindrical tower.	
11260 G 5838	-Gillatt Island, W. side.	53° 14.7' N 131° 53.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	7	White cylindrical tower.	
11264 G 5837	-Sandspit AVIATION LIGHT.	53° 15.2' N 131° 48.8' W	<b>Fl.W.</b> period 2s				Operates in restricted visibility or upon request.  Private light.
11268 G 5835	-Kingui Island.	53° 01.5' N 131° 37.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	5	Square skeleton tower.	
11272 G 5836.2	-McCoy Cove.	53° 02.1' N 131° 39.2' W	<b>Dir.W.R.G.</b>	15 5	5	Square skeleton tower, orange rectangular daymark, black stripe.	F.G. 082°-090°, F.W.-092°, F.R.-101° (white sector indicates preferred channel).
11276 G 5836	-Haans Islet.	53° 02.3' N 131° 41.2' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	14 4	6	Square skeleton tower.	
11280 G 5834	-Low Island.	52° 54.8' N 131° 32.3' W	<b>Fl.W.</b> period 4s	59 18	5	White cylindrical tower.	
	--Selwyn Inlet:						
11284 G 5834.2	--Haswell Island, S. side.	52° 51.7' N 131° 41.1' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	27 8	3	Mast.	
11288 G 5834.6	--Selwyn Point.	52° 51.7' N 131° 50.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	17 5	6	Square skeleton tower.	
11292 G 5833.4	-Darwin Point, NW. of point.	52° 34.5' N 131° 37.7' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	42 13	5	White cylindrical tower.	
11296 G 5833	-Scudder Point.	52° 26.8' N 131° 14.3' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	18 6	5	Square skeleton tower.	
	--Skincuttle Inlet:						
11300 G 5831	--East Copper Island.	52° 21.4' N 131° 10.4' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	50 15	5	White cylindrical tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CANADA</b>							
11304 G 5832	--Bush Rock.	52° 18.3' N 131° 16.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	30 9	6	Square skeleton tower.	
11308 G 5830	-Garcin Rocks, middle rock.	52° 12.5' N 130° 58.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	64 20	5	Square skeleton tower.	
11312 G 5829	Hornby Point.	52° 10.6' N 131° 21.5' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	18 6	5	White square skeleton tower.	
11316 G 5826	-Cape St. James.	51° 56.1' N 131° 01.0' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	315 96	13	White mast.	
11320 G 5828	Flatrock Island.	52° 06.4' N 131° 10.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	81 25	5	Square skeleton tower.	
11328 G 5863.7	-Gowgaia Point.	52° 24.0' N 131° 35.3' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	98 30	5	White square skeleton tower.	
11332 G 5861	-Davidson Point.	52° 44.5' N 132° 06.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	122 37	7	White cylindrical tower.	
11336 G 5861.4	-Tasu Narrows.	52° 44.7' N 132° 06.4' W	<b>Fl.G.</b> period 4s	47 14	4	Square skeleton tower.	
11340 G 5862	-Tasu Sound.	52° 45.0' N 132° 05.7' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	29 9	5	White square skeleton tower.	
11344 G 5863	--Horn Island.	52° 46.2' N 132° 03.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	Square skeleton tower.	
11348 G 5860	-Tcenakun Point, Chaatl Island.	53° 09.1' N 132° 35.0' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	91 28	6	Square skeleton tower.	
11352 G 5859	-Marble Island, W. extremity.	53° 12.1' N 132° 40.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	113 34	6	Square skeleton tower.	
11356 G 5858.6	-Kindakun Point.	53° 18.9' N 132° 46.3' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	67 20	6	Square skeleton tower.	
11360 G 5858.4	-Kunakun Point.	53° 28.1' N 132° 53.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	70 21	6	Square skeleton tower.	
11364 G 5858	-Hippa Island.	53° 32.8' N 133° 00.6' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	103 32	6	Square skeleton tower.	
11368 G 5857	-Frederick Island, on Hope Point.	53° 56.3' N 133° 11.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	55 17	5	Square skeleton tower.	
11372 G 5854	-Iphigenia Point.	54° 11.4' N 133° 00.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	31 10	5	White square skeleton tower.	
11376 G 5856	--Langara Point.	54° 15.4' N 133° 03.6' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	160 49	8	White octagonal tower.	Emergency light.
11380 G 5852	-Parry Passage.	54° 10.9' N 132° 58.4' W	<b>Fl.W.</b> period 4s	24 7	5	White square skeleton tower.	
11384 G 5851	-Shag Rock.	54° 09.4' N 132° 39.1' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 7	5	Mast.	

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<b>CANADA</b>							
11392 G 5850	-George Point.	54° 02.5' N 132° 34.1' W	<b>Q.G.</b>		9 3	White square skeleton tower, black, white and green square daymark.	
11408 G 5848	-Wiah Point.	54° 07.0' N 132° 18.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s		17 5	Cylindrical tower.	
11412 G 5847.8	Refuge Island Boat Harbor.	54° 07.0' N 132° 19.0' W	<b>Dir.W.R.G.</b>		16 5	White square skeleton tower, orange rectangular daymark, black stripe.	F.R. 206°-213°, F.W.-216°, F.G.-223° (white sector indicates preferred channel).
11416 G 5843	-Striae Islands, E. islet.	54° 05.2' N 132° 14.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s		20 6	White square skeleton tower.	
-Masset Inlet:							
11420 G 5842	--Harbor entrance Range, front.	54° 02.0' N 132° 11.9' W	<b>F.Y.</b>		22 7	Square skeleton tower, orange rectangular slatwork daymark, black stripe.	
11424 G 5842.1	---Rear, 1535.9 meters 165°43' from front.	54° 01.2' N 132° 11.6' W	<b>F.Y.</b>		46 14	Square skeleton tower, orange rectangular slatwork daymark, black stripe.	
11428 G 5843.2	--Rooney Point.	54° 01.0' N 132° 10.0' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s		24 7	Three-pile dolphin, red and white triangular daymark point up.	
11432 G 5844	--Cook Point.	53° 48.4' N 132° 12.1' W	<b>Fl.W.</b> period 4s		13 4	White square skeleton tower.	
11436 G 5845	--Sloop Islet.	53° 45.5' N 132° 14.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s		17 5	White square skeleton tower.	
11440 G 5846	-Dawson Islands, on eastermost island.	53° 43.0' N 132° 20.2' W	<b>Fl.W.</b> period 4s		31 10	White square skeleton tower.	
11444 G 5847	-Learmonth Island.	53° 40.7' N 132° 27.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s		21 6	White square skeleton tower.	
11448	-Stenhouse Shoal Buoy D59.	54° 20.0' N 130° 56.0' W	<b>Fl.G.</b> period 4s			Green buoy	<b>Whistle.</b>
	-RACON		<b>C(- • - •)</b>		15		(3 & 10cm).
11454 G 5812.3	-Hanmer Rocks.	54° 19.4' N 130° 49.3' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s		36 11	White octagonal tower.	
	-RACON		<b>M(- -)</b>		15		(3 & 10cm).
11460 G 5812	-Triple Islands.	54° 17.7' N 130° 52.8' W	<b>Fl.(2)W.</b> period 9s fl. 0.3s, ec. 2.4s fl. 0.3s, ec. 6s		92 28	White octagonal tower.	
11464 G 5811.5	-Osborne Island.	54° 17.2' N 130° 51.2' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s		33 10	White cylindrical tower.	
11468 G 5811	-Butterworth Rocks.	54° 14.1' N 130° 58.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s		59 18	Square skeleton tower.	
	-RACON		<b>X(- • • -)</b>		15		(3 & 10cm).
11472 G 5810	-Archibald Islands.	54° 12.9' N 130° 50.0' W	<b>Fl.W.</b> period 4s		22 7	Square skeleton tower.	

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<b>CANADA</b>							
11476 G 5809	-Harris Rock.	54° 13.0' N 130° 45.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	19 6	6	White square skeleton tower.	
11480 G 5757	-Chearnley Passage.	54° 01.5' N 130° 41.2' W	<b>Q.W.</b>	19 6	5	Square skeleton tower.	
11484 G 5756	--Seal Rocks.	54° 00.0' N 130° 47.5' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	44 13	7	Square skeleton tower.	
	--RACON		<b>Y(- • - -)</b>		15		(3 & 10cm).
	-Masset Inlet:						
11488 G 5754	--Freeman Passage.	53° 49.8' N 130° 37.8' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 6	5	White square skeleton tower.	
	-Beaver Passage:						
11492 G 5751	--Hankin Rock.	53° 42.5' N 130° 24.7' W	<b>Fl.W.</b> period 4s	32 10	5	White cylindrical tower.	
11496 G 5752	--Connis Islet.	53° 45.4' N 130° 19.1' W	<b>Q.W.</b>	15 5	4	White cylindrical tower.	
11500 G 5753	--Bully Island.	53° 47.9' N 130° 19.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	22 7	5	White cylindrical tower.	
11504 G 5753.6	-Moore Island, NE. corner.	53° 47.4' N 130° 31.3' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	18 6	5	White square skeleton tower.	
	PRINCIPE CHANNEL:						
11508 G 5747.8	-Keswar point.	53° 37.6' N 130° 21.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	27 8	7	White square skeleton tower.	Visible 315°-126°.
11512 G 5747.6	-Wheeler Island, SW. corner.	53° 33.0' N 130° 08.7' W	<b>Fl.W.</b> period 4s	27 8	7	White square skeleton tower.	
11516 G 5747.4	-Principe Channel.	53° 23.6' N 129° 54.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	5	White square skeleton tower.	
	HECATE STRAIT:						
11520 G 5749	-Browning Entrance.	53° 38.1' N 130° 33.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	41 12	5	White square skeleton tower.	
11524 G 5748.5	-Northwest Rocks.	53° 33.0' N 130° 38.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	53 16	5	White cylindrical tower.	
11526 G 5749.5	-Larsen Harbor, W. end of Banks Island.	53° 37.7' N 130° 32.4' W	<b>Q.R.</b>	18 5	3	White square skeleton tower.	
11528 G 5748	-Bonilla Island Sector, W. side of island.	53° 29.6' N 130° 38.2' W	<b>Fl.W.R.</b> period 5s fl. 0.3s, ec. 4.7s	120 37	21	White cylindrical tower, red upper portion.	R. 334°-000°, W.-168°, R.- 198°.
	-Otter Passage:						
11532 G 5747	--Man Island.	53° 07.7' N 129° 46.5' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	44 13	5	White mast.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CANADA</b>							
11536 G 5747.2	-Block Islands.	53° 09.0' N 129° 43.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	24 7	5	White square skeleton tower.	
CHATHAM SOUND:							
11540 G 5816	-Holliday Island.	54° 37.4' N 130° 45.5' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	21 6	5	White square skeleton tower.	
11544 G 5822	-Pointer Rocks.	54° 36.3' N 130° 32.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	5	White cylindrical tower.	
11548 G 5820	-Birnie Island.	54° 35.4' N 130° 27.7' W	<b>Fl.W.</b> period 4s	28 9	5	White square skeleton tower.	
11552 G 5819.4	-One Tree Islet.	54° 33.8' N 130° 26.3' W	<b>Fl.R.</b> period 4s	17 5	4	Square skeleton tower.	
11556 G 5814	<b>-Green Island.</b>	54° 34.1' N 130° 42.5' W	<b>Fl.W.</b> period 5s	63 19	17	White octagonal tower.	
11560 G 5813	-Whitesand Island.	54° 30.8' N 130° 44.8' W	<b>Fl.W.</b> period 4s	22 7	5	White square skeleton tower.	
11564 G 5812.6	-Dundas Island.	54° 27.6' N 130° 56.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	34 11	5	White square skeleton tower.	
11572 G 5819	-Port Simpson, breakwater.	54° 33.7' N 130° 25.7' W	<b>Q.R.</b>	13 4	3	White mast.	
11576 G 5808.4	-Slippery Rock.	54° 24.0' N 130° 30.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 7	5	White cylindrical tower.	
11584 G 5808.2	-Ryan Point Reef.	54° 21.5' N 130° 30.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	24 7	3	White cylindrical tower, on four-pile dolphin.	
11588 G 5808	-Shrub Island.	54° 19.8' N 130° 27.7' W	<b>Q.R.</b>	25 8	3	White cylindrical tower, red upper portion, on four-pile dolphin.	
11592 G 5807.4	-Devastation Island, N. side of island.	54° 19.3' N 130° 29.3' W	<b>Fl.R.</b> period 4s	17 5	4	White cylindrical tower, red upper portion.	
11604 G 5807	Lucy Islands.	54° 17.7' N 130° 36.5' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	71 22	14	White octagonal tower.	
11608 G 5807.2	Lucy Islands N.	54° 18.1' N 130° 37.4' W	<b>Q.W.</b>	18 5	4	White cylindrical tower.	
11616 G 5783	-East Kinahan Island.	54° 12.8' N 130° 23.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	24 7	5	White cylindrical tower.	
PRINCE RUPERT HARBOR:							
11624 G 5794	-Barrett Rock.	54° 14.6' N 130° 20.6' W	<b>Fl.R.</b> period 6s fl. 1s, ec. 5s	22 7	7	White square skeleton tower, red upper portion.	
11632 G 5794.4	-Frederick Point.	54° 15.5' N 130° 21.6' W	<b>Fl.G.</b> period 4s	33 10	4	White round tower, green upper portion.	
11636 G 5795	-Casey Point, on edge of shoal, off point.	54° 16.4' N 130° 21.7' W	<b>Q.R.</b>	26 8	6	Square skeleton tower, red upper portion.	
11637 G 5795.3	-Fairview Terminal, SE.	54° 17.0' N 130° 21.7' W	<b>Fl.R.</b>				Private light.

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<b>CANADA</b>							
11638 G 5795.5	--SW.	54° 17.0' N 130° 21.7' W	<b>F.F.I.Y.</b>				Private light.
11639 G 5795.6	--N.	54° 17.2' N 130° 21.6' W	<b>F.F.I.Y.</b>				Private light.
11640 G 5796	-Parizeau Point.	54° 17.2' N 130° 22.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	8	Three-pile dolphin.	
11644 G 5797.8	-Oldfield Terminal, on barge.	54° 17.4' N 130° 21.5' W	<b>F.R.</b>	18 5		Mast.	Private light.
11648 G 5797.3	-Dodge Cove Range, front.	54° 17.4' N 130° 22.9' W	<b>F.Y.</b>	10 3	9	Three-pile dolphin, orange trapezoidal daymark, black stripe.	
11652 G 5797.31	--Rear, 114.7 meters 253°31' from front.	54° 17.4' N 130° 23.0' W	<b>F.Y.</b>	23 7	9	Three-pile dolphin, orange trapezoidal daymark, black stripe.	
11654 G 5805.5	-Seal Cove.	54° 20.2' N 130° 16.6' W	<b>Q.W.</b>	16 5	4	White cylindrical tower.	
11656 G 5797.6	-Oldfield breakwater, on floating breakwater.	54° 17.7' N 130° 21.4' W	<b>Fl.R.</b> period 4s	4 1	5	Mast, red and white triangular daymark point up.	
11659 G 5800.3	-McIntosh Rock.	54° 18.2' N 130° 22.7' W	<b>Q.W.</b>	23 7	5	Mast, red and white triangular daymark point up.	
11660 G 5801	-Grindstone point.	54° 18.6' N 130° 23.2' W	<b>Fl.R.</b> period 4s	20 6	4	White cylindrical tower, red upper portion.	
11664 G 5802	-Venn Passage.	54° 18.7' N 130° 23.6' W	<b>Q.G.</b>	15 5	4	White cylindrical tower, green upper portion.	
11668 G 5803	-Du Vernet Point.	54° 18.8' N 130° 24.1' W	<b>Q.R.</b>	11 3	3	White cylindrical tower, red upper portion.	
11672 G 5803.2	-Shkgeaum Bay Range, front.	54° 18.6' N 130° 24.5' W	<b>F.Y.</b>	13 4	9	Mast, orange trapezoidal daymark, black stripe.	
11674 G 5803.21	--Rear, 229 meters 172° from front.	54° 18.5' N 130° 24.4' W	<b>F.Y.</b>	28 8	9	Mast, orange trapezoidal daymark, black stripe.	
11676 G 5803.4	-Roberson Point.	54° 19.4' N 130° 24.6' W	<b>Dir.W.R.G.</b>	9 3	7	White square skeleton tower, orange rectangular daymark, black stripe.	F.R. 110°30'-114°, F.W.-118°, F.G.-124° (white sector marks the channel).
11684 G 5803.6	-Dundas Point.	54° 19.4' N 130° 25.0' W	<b>Dir.W.R.G.</b>	16 5	8	White square skeleton tower, orange rectangular daymark, black stripe.	F.R. 138°-142°, F.W.-146°, F.G.-151° (white sector marks the channel).
11688 G 5803.8	-Metlakatla Passage.	54° 20.2' N 130° 25.4' W	<b>Dir.W.R.G.</b>	9 3	8	Square skeleton tower, orange rectangular daymark, black stripe.	F.R. 073°-077°, F.W.-080°, F.G.-085° (white sector marks the channel).
11692 G 5806	-North Rachael Island.	54° 12.8' N 130° 33.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	32 10	5	White cylindrical tower.	
11696 G 5805.8	-South Rachel Island.	54° 11.8' N 130° 33.4' W	<b>Fl.R.</b> period 4s	26 8	4	White cylindrical tower, red upper portion.	
11700 G 5772.5	Greentop Islet.	54° 10.6' N 130° 24.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	43 13	7	White cylindrical tower.	
CHATHAM SOUND:							
11704 G 5772	-Holland Rock.	54° 10.3' N 130° 21.7' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	30 9	5	Square skeleton tower.	
11712 G 5774	-Porpoise Harbor.	54° 11.9' N 130° 19.0' W	<b>Fl.G.</b> period 4s	23 7	4	White cylindrical tower, green upper portion.	



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<b>CANADA</b>							
11716 G 5776	--Range, front, on Flora Bank, W. side of Lelu Island.	54° 12.0' N 130° 18.0' W	<b>F.Y.</b>	13 4	10	Mast, orange trapezoidal daymark, black stripe.	
11720 G 5776.1	--Rear, 81.2 meters 072°54' from front.	54° 12.0' N 130° 18.0' W	<b>F.Y.</b>	26 8	10	Mast, orange trapezoidal daymark, black stripe.	
11724 G 5778	--Porpoise Channel.	54° 12.1' N 130° 18.3' W	<b>Fl.R.</b> period 4s	24 7	4	White cylindrical tower, red upper portion.	
11728 G 5780	---W.	54° 12.5' N 130° 18.0' W	<b>Q.G.</b>	15 5	3	Mast, green, white and black square daymark.	
11732 G 5782	---E.	54° 12.7' N 130° 17.5' W	<b>Q.R.</b>	23 7	3	Square skeleton tower, orange trapezoidal daymark, black stripe.	
11736 G 5758.7	-Gull Rocks.	54° 08.0' N 130° 31.3' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	4	White square skeleton tower.	
11740 G 5758.4	Havelock Rock.	54° 05.9' N 130° 29.0' W	<b>Fl.W.</b> period 4s	24 7	6	White cylindrical tower.	
11744 G 5758	-Useless Point, Edye Passage.	54° 02.4' N 130° 33.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	19 6	5	White cylindrical tower.	
MALACCA PASSAGE:							
11747 G 5771	-Lawyer Islands N., on Cruice Rock.	54° 07.0' N 130° 20.8' W	<b>Q.W.</b>	25 8	3	White cylindrical tower, red upper portion.	
11747.5 G 5771.5	--S.	54° 06.1' N 130° 20.0' W	<b>Fl.W.</b> period 4s	29 9	3	White cylindrical tower, red upper portion.	
11752 G 5768	-Genn Island.	54° 05.9' N 130° 17.6' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	30 9	4	White cylindrical tower, red upper portion.	
11756 G 5763	De Horsey Island.	54° 17.4' N 130° 26.6' W	<b>Fl.W.</b> period 4s	19 6	5	White square skeleton tower, white rectangular slatwork daymark.	
11760 G 5773	Inverness Passage.	54° 11.9' N 130° 15.8' W	<b>Fl.W.</b> period 4s	12 4	3	Square skeleton tower.	
11764 G 5764	-Ecstall Island.	54° 09.7' N 129° 57.5' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	17 5	5	White square skelton tower, white rectangular slatwork daymark.	
ARTHUR PASSAGE:							
11768 G 5762	-Marked Tee Bluff.	54° 04.1' N 130° 09.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	28 8	5	White square skeleton tower.	
11772 G 5760	-Herbert Reefs.	54° 01.4' N 130° 14.3' W	<b>Fl.(3)G.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	4	White cylindrical tower, green upper portion.	
11773 G 5761.6	-Cecil Patch.	54° 03.8' N 130° 16.7' W	<b>Q.G.</b>	24 7	3	White cylindrical tower, green upper portion, on four-pile dolphin.	
11774 G 5761.4	North Hanmer Island.	54° 03.8' N 130° 14.7' W	<b>Q.W.</b>	19 6	4	White square skeleton tower.	
11776 G 5761	Hanmer Island.	54° 03.3' N 130° 15.2' W	<b>Fl.R.</b> period 4s	19 6	4	White cylindrical tower, red upper portion.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CANADA</b>							
GRENVILLE CHANNEL:							
11780 G 5746	-Watson Rock.	53° 55.4' N 130° 10.4' W	<b>Fl.W.</b> period 4s	12 4	5	White cylindrical tower.	
11784 G 5745	-Pitt Point.	53° 53.0' N 130° 06.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	White square skeleton tower.	
11788 G 5744.4	-Baker Inlet.	53° 48.7' N 129° 57.2' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	15 5	4	Square skeleton tower.	
11792 G 5744	-Pitt Island.	53° 42.3' N 129° 49.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	12 4	5	White square skeleton tower.	
11796 G 5743	-Klewnuggit, Morning Reef, NW. rock.	53° 40.7' N 129° 46.1' W	<b>Q.W.</b>	16 5	4	White cylindrical tower.	
11800 G 5742	-Saunders Creek.	53° 36.2' N 129° 41.6' W	<b>Fl.W.</b> period 4s	16 5	5	White square skeleton tower.	
11804 G 5741	-Ormiston Point, on E. shore of Pitt Island, Grenville Channel.	53° 34.2' N 129° 39.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	15 5	5	White cylindrical tower.	
11808 G 5740.8	Tom Island.	53° 32.6' N 129° 36.3' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	11 4	5	White square skeleton tower.	
11812 G 5740.5	Harbour Rock, Stewart Narrows.	53° 23.3' N 129° 16.6' W	<b>Fl.G.</b> period 4s	11 3	4	Mast, green, black and white square daymark.	
11816 G 5740.6	-Sainty Point.	53° 22.3' N 129° 18.8' W	<b>Fl.W.</b> period 4s	15 5	7	White cylindrical tower.	
11818 G 5747.38	Plover Point.	53° 16.7' N 129° 18.3' W	<b>Fl.W.</b> period 4s	12 4	7	White square skeleton tower.	
11820 G 5747.34	Block Head, Farrant Island.	53° 18.1' N 129° 20.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	5	White square skeleton tower.	
11822 G 5747.39	Fin Rock.	53° 14.0' N 129° 21.6' W	<b>Fl.(3)G.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 6	4	White square skeleton tower, green upper portion.	
11824 G 5747.3	McCreigh Point, Pitt Island.	53° 12.5' N 129° 30.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	25 8	5	White square skeleton tower.	
11825 G 5747.32	Blackrock Point.	53° 12.5' N 129° 20.5' W	<b>Fl.(3)R.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 7	4	White square skeleton tower, red upper portion.	
11826 G 5739.3	Cape Farewell.	53° 21.5' N 129° 13.6' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	7	White square skeleton tower.	
11828 G 5739.4	-Money Point.	53° 22.9' N 129° 09.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 6	5	White square skeleton tower.	
11830 G 5739.5	Hartley Bay, breakwater.	53° 25.4' N 129° 15.1' W	<b>Q.R.</b>	24 7	3	White square skeleton tower, red and white triangular daymark point up.	

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<b>CANADA</b>							
11832 G 5739.6	-Gertrude Point.	53° 38.0' N 129° 14.0' W	<b>Fl.W.</b> period 4s	16 5	4	White square skeleton tower.	
11836 G 5739.66	-Hawkesbury Island.	53° 37.1' N 129° 10.8' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	16 5	5	White square skeleton tower.	
11840 G 5739.7	-Maitland Island.	53° 42.2' N 129° 04.5' W	<b>Fl.W.</b> period 4s	26 8	5	White square skeleton tower, three white daymarks.	
11844 G 5739.8	-Emilia Island.	53° 45.5' N 128° 58.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	16 5	5	Square skeleton tower.	Visible 231°-064°.
11848 G 5740	-Kersey Point.	53° 46.6' N 128° 51.6' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 6	5	White square skeleton tower.	
11852 G 5740.1	-Hilton Point.	53° 48.9' N 128° 52.2' W	<b>Fl.W.</b> period 4s	16 5	5	White square skeleton tower.	
11856 G 5740.2	-Clio Point.	53° 54.4' N 128° 42.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	22 7	5	White square skeleton tower.	
DEVASTATION CHANNEL:							
11860 G 5739.2	-Dorothy Island.	53° 40.0' N 128° 51.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	White square skeleton tower.	
11864 G 5738	-Staniforth Point.	53° 34.2' N 128° 48.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 6	5	White square skeleton tower, three white daymarks.	
GARDNER CANAL:							
11868 G 5738.2	-Rix Island.	53° 31.5' N 128° 44.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	15 4	5	White square skeleton tower.	
11872 G 5738.4	-Europa Point.	53° 25.8' N 128° 32.6' W	<b>Fl.W.</b> period 4s	12 4	5	Square skeleton tower.	
11876 G 5738.6	-Allen Point.	53° 27.0' N 128° 24.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	15 5	5	White square skeleton tower.	
11880 G 5739	-Cornwall Point.	53° 30.0' N 128° 22.0' W	<b>Q.W.</b>	16 5	4	White cylindrical tower.	
11884 G 5737.4	Mary Point, Verney Passage.	53° 33.0' N 128° 58.0' W	<b>Q.W.</b>	20 6	5	White square skeleton tower, three white daymarks.	
11888 G 5737.2	Tomkinson Point.	53° 25.8' N 128° 54.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	13 4	5	White square skeleton tower.	
11892 G 5734	Kingcome Point.	53° 17.9' N 128° 54.5' W	<b>Q.W.</b>	20 6	5	Square skeleton tower.	
11896 G 5737	Trivett Point.	53° 18.5' N 129° 02.2' W	<b>Fl.W.</b> period 4s	21 6	5	Square skeleton tower.	
11900 G 5736.8	Point Cumming.	53° 18.7' N 129° 07.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	5	White square skeleton tower.	

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<b>CANADA</b>							
WHALE CHANNEL:							
11904 G 5736.6	-Borde Island, N. point.	53° 05.1' N 129° 07.2' W	<b>Fl.W.</b> period 4s	23 7	5	Square skeleton tower.	
11908 G 5736.4	-York Point, S. extremity of peninsula.	53° 05.5' N 129° 10.4' W	<b>Q.W.</b>	34 10	4	White square skeleton tower.	
11912 G 5736.2	-Levy Point.	53° 04.7' N 129° 12.1' W	<b>Fl.R.</b> period 6s	15 5	4	White square skeleton tower.	
11916 G 5736	-Ashdown Island.	53° 03.7' N 129° 13.7' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	28 9	5	White cylindrical tower.	
11918 G 5735.8	Logan Rock.	53° 02.2' N 129° 28.6' W	<b>Fl.W.</b> period 4s	42 13	5	White square skeleton tower.	
CAAMANO SOUND:							
11920 G 5735.2	-Duckers Islands, S.	52° 55.6' N 129° 11.6' W	<b>Fl.W.</b> period 4s	27 8	5	White square skeleton tower.	
11924 G 5735.4	-Dupont Island.	52° 56.4' N 129° 26.5' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	45 14	7	Square skeleton tower.	
11925 G 5735.5	--S.	52° 56.3' N 129° 26.4' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	44 13	9	Square skeleton tower.	
11926 G 5735.7	-Alexander Island.	52° 57.3' N 129° 18.5' W	<b>Fl.W.</b> period 4s	37 11	9	Square skeleton tower.	
11928 G 5735.6	-Jacinto Island.	52° 56.5' N 129° 36.9' W	<b>Fl.W.</b> period 4s	92 28	7	White cylindrical tower.	
	-RACON		<b>Q(- - • -)</b>		15		(3 & 10cm).
LAREDO CHANNEL:							
11932 G 5735	-Baker Point.	52° 48.2' N 129° 12.8' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	19 6	5	White square skeleton tower.	
11940 G 5734.8	-Ramsbotham Island.	52° 41.9' N 129° 02.1' W	<b>Fl.W.</b> period 4s	21 6	5	White square skeleton tower.	
11944 G 5734.7	-Walsh Rock.	52° 38.2' N 128° 57.2' W	<b>Q.W.</b>	23 7	5	White cylindrical tower.	
11948 G 5734.6	-Haig Rock.	52° 36.4' N 128° 55.3' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	25 8	5	White square skeleton tower.	
11952 G 5734.4	-Abrams Island.	52° 32.2' N 128° 49.8' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	27 8	6	Square skeleton tower.	
11956 G 5734.2	-Lombard Point.	52° 28.8' N 128° 56.6' W	<b>Fl.W.</b> period 4s	47 14	5	White cylindrical tower.	
GRAHAM REACH:							
11968 G 5732	-Work Island.	53° 10.7' N 128° 41.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	15 5	5	White square skeleton tower.	

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<b>CANADA</b>							
11972 G 5730	-Redcliffe Point.	53° 09.4' N 128° 38.3' W	<b>Fl.W.</b> period 4s	16 5	5	White square skeleton tower.	
11976 G 5728	-Griffin Point.	53° 03.9' N 128° 33.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	5	White cylindrical tower.	
TOLMIE CHANNEL:							
11980 G 5727	-Quarry Point.	52° 54.0' N 128° 31.0' W	<b>Fl.G.</b> period 6s fl. 0.5s, ec. 5.5s	23 7	4	Square skeleton tower.	
11984 G 5724	-Sarah Island, N. extremity of island.	52° 53.0' N 128° 31.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 7	5	White square skeleton tower.	
11988 G 5726	-Hewitt Island.	52° 52.4' N 128° 29.8' W	<b>Fl.W.</b> period 4s	19 6	5	Square skeleton tower.	
11992 G 5723	-Tenas Island.	52° 42.5' N 128° 33.1' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	27 8	5	Square skeleton tower.	
11996 G 5722	-Split Head, S. side of channel.	52° 40.6' N 128° 32.8' W	<b>Fl.W.</b> period 4s	28 9	5	Square skeleton tower.	
12000 G 5720	-Boat Bluff Sector.	52° 38.6' N 128° 31.4' W	<b>Oc.W.R.</b> period 5s lt. 4s, ec. 1s	38 12	7	Skeleton tower.	W. 291°-336°, R.-093°, W.-134°.
MILBANKE SOUND:							
12004 G 5725	-Hiekish Narrows.	52° 50.0' N 128° 27.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	10 3	5	Square skeleton tower.	
12008 G 5719	Legge Point, NW. end of Cone Island.	52° 36.0' N 128° 31.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	11 4	5	Post.	
12012 G 5718	Freeman Point, S. end of Cone Island.	52° 33.2' N 128° 29.3' W	<b>Fl.W.</b> period 4s	19 6	5	White cylindrical tower.	
12016 G 5716.4	-Legace Point.	52° 27.8' N 128° 25.2' W	<b>Fl.W.</b> period 4s	30 9	5	Post.	
12020 G 5716	-Jorkins Point, Swindle Island.	52° 26.4' N 128° 29.1' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	5	White square skeleton tower.	
12028 G 5714	-Susan Rock.	52° 17.2' N 128° 30.3' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	55 17	5	White square skeleton tower.	
12032 G 5713.7	-Carne Rock, Reid Passage.	52° 18.1' N 128° 21.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	13 4	5	Square skeleton tower.	
12036 G 5712	-Cape Mark.	52° 09.0' N 128° 32.4' W	<b>Fl.W.</b> period 4s	50 15	5	White square skeleton tower.	
12040 G 5715	-McInnes Island.	52° 15.7' N 128° 43.3' W	<b>Fl.W.</b> period 5s	97 30	22	White rectangular tower.	
12044 G 5711	Gosling Rocks, Currie Islet.	51° 51.1' N 128° 27.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	56 17	5	White cylindrical tower.	
12048 G 5709	Spider Channel, N. end of Spider Island.	51° 51.8' N 128° 15.5' W	<b>Fl.W.</b> period 4s	57 17	5	Square skeleton tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>CANADA</b>							
SEAFORTH CHANNEL:							
12052 G 5713	-Ivory Island.	52° 16.2' N 128° 24.4' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	67 20	16	Red skeleton tower.	
12056 G 5713.4	-Perrin Anchorage, E. of Ivory Island.	52° 16.5' N 128° 23.5' W	<b>Fl.W.</b> period 4s	13 4	5	Square skeleton tower.	
12060 G 5708	-Idol Point.	52° 14.3' N 128° 16.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	18 6	5	White cylindrical tower.	
12068 G 5701	Regatta Rocks.	52° 13.1' N 128° 08.5' W	<b>Fl.R.</b> period 4s	18 6	4	White cylindrical tower, red upper portion.	
12072 G 5700	-Dryad Point Sector.	52° 11.1' N 128° 06.7' W	<b>Oc.W.R.</b> period 5s fl. 4s, ec. 1s	38 12	7	White square tower.	W. 142°30'-206°30', R.-339°, W.-039°30'.
12076 G 5699.6	Blow Reef, near entrance, Gunboat Passage and Bella Bella.	52° 10.9' N 128° 03.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	11 4	5	White square skeleton tower.	
12080 G 5699.4	Bark Island (Gunboat Passage).	52° 10.0' N 128° 03.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	20 6	5	White square skeleton tower.	
LAMA PASSAGE:							
12088 G 5698.4	-Story Point.	52° 08.9' N 128° 08.1' W	<b>Fl.W.</b> period 4s	16 5	5	White square skeleton tower.	
12092 G 5698	-Napier Point.	52° 07.9' N 128° 08.0' W	<b>Q.W.</b>	18 5	4	White square skeleton tower.	
12096 G 5696	-Walker Island.	52° 06.0' N 128° 07.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	5	White cylindrical tower.	
12100 G 5695	Harbormaster Point.	52° 03.9' N 128° 03.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	White square skeleton tower.	
12104 G 5693	-White Point.	52° 04.5' N 127° 58.0' W	<b>Fl.R.</b> period 6s fl. 0.5s, ec. 5.5s	28 9	4	White square skeleton tower, red upper portion.	
12108 G 5694	-Serpent Point.	52° 04.6' N 127° 59.7' W	<b>Q.W.</b>	19 6	4	White square skeleton tower.	
RETURN CHANNEL:							
12112 G 5707	-Hyndman Reefs, on reef.	52° 15.7' N 128° 14.6' W	<b>Fl.G.</b> period 4s	15 4	4	Post, green, white and black square daymarks.	
12116 G 5706	-Glaholm Island, off NW. end of Dearth Island.	52° 15.8' N 128° 12.7' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	White square skeleton tower.	
12120 G 5704	-Law Island, N. end.	52° 16.1' N 128° 10.3' W	<b>Fl.W.</b> period 4s	16 5	5	White square skeleton tower.	
12124 G 5702	-Donald Point.	52° 17.6' N 128° 05.9' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	17 5	5	White square skeleton tower.	
JOHNSON CHANNEL:							
12128 G 5690	-Beaumont Island.	52° 17.7' N 127° 56.6' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	21 6	6	Square skeleton tower.	

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<b>CANADA</b>							
COUSINS INLET:							
12132 <i>G 5684</i>	-Wearing Point.	52° 18.0' N 127° 45.7' W	<b>Fl.W.</b> period 4s	14 4	5	Square skeleton tower.	
12136 <i>G 5685</i>	-Cousins Inlet.	52° 19.6' N 127° 45.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	Square skeleton tower.	
12140 <i>G 5686</i>	-Coolidge Point, Cousins Inlet.	52° 21.0' N 127° 43.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	17 5	5	White cylindrical tower.	
BURKE CHANNEL:							
12144 <i>G 5689.5</i>	-Deas Point.	52° 23.1' N 127° 13.0' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	19 6	5	Square skeleton tower.	
12148 <i>G 5688</i>	-Edward Point.	52° 26.4' N 127° 16.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	26 8	5	Square skeleton tower.	
12152 <i>G 5689</i>	-Sutlej Point.	52° 22.6' N 126° 48.3' W	<b>Fl.W.</b> period 4s	19 6	5	White square skeleton tower.	
12156 <i>G 5688.5</i>	-Flagpole Point.	52° 20.9' N 126° 55.7' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19 6	5	Square skeleton tower.	
12158 <i>G 5677</i>	Haaksvold Point.	51° 57.9' N 127° 42.7' W	<b>Q.W.</b>	17 5	4	Square skeleton tower.	
FISHER CHANNEL:							
12160 <i>G 5682</i>	-Sunny Island, on rock, S. of island.	52° 11.3' N 127° 52.2' W	<b>Fl.W.</b> period 4s	23 7	5	White square skeleton tower.	
12164 <i>G 5681</i>	-Farewell Point.	52° 07.6' N 127° 53.4' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	14 4	5	White square skeleton tower.	
12168 <i>G 5680</i>	-Pointer Island.	52° 03.6' N 127° 56.9' W	<b>Oc.W.</b> period 6s lt. 4s, ec. 2s	42 13	8	White cylindrical tower.	
12172 <i>G 5678</i>	-Fog Rocks.	51° 58.3' N 127° 55.1' W	<b>Fl.W.</b> period 4s	24 7	9	White square skeleton tower.	
FITZ HUGH SOUND:							
12176 <i>G 5676</i>	-Kiwash Island.	51° 51.6' N 127° 53.6' W	<b>Fl.W.</b> period 4s	19 6	5	Square skeleton tower.	
12180 <i>G 5675</i>	-Odium Point, Hakai Passage, W. side.	51° 41.6' N 128° 07.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	71 22	5	White square skeleton tower.	
12184 <i>G 5674</i>	-Kelpie Point.	51° 44.0' N 127° 59.8' W	<b>Fl.W.</b> period 4s	26 8	5	Square skeleton tower.	
12188 <i>G 5673</i>	-Kwakume Point.	51° 41.6' N 127° 53.4' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	5	White square skeleton tower.	
12192 <i>G 5672</i>	-Addenbroke Island.	51° 36.2' N 127° 51.8' W	<b>Fl.W.</b> period 5s	79 24	15	White cylindrical tower.	

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<b>CANADA</b>							
12196 G 5670	-Penrose Island.	51° 30.6' N 127° 44.0' W	<b>Fl.W.</b> period 6s	24 7	5	Square skeleton tower.	
12200 G 5669	-Clark Point, on point, Calvert Island.	51° 25.8' N 127° 53.2' W	<b>Q.W.</b>	36 11	4	White cylindrical tower.	
12204 G 5668	-Major Brown Rock, entrance to Rivers Inlet.	51° 25.5' N 127° 42.0' W	<b>Fl.W.</b> period 6s	44 13	5	Square skeleton tower.	
QUEEN CHARLOTTE SOUND:							
12208 G 5664	-Dugout Rocks.	51° 22.0' N 127° 48.5' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	68 21	6	Square skeleton tower.	
12212 G 5662	-Watcher Island, W. point.	51° 16.3' N 127° 43.1' W	<b>Fl.W.</b> period 4s	38 12	5	Square skeleton tower.	
12216 G 5658	<b>-Egg Island.</b>	51° 14.9' N 127° 50.0' W	<b>Fl.W.</b> period 5s fl. 1s, ec. 4s	290 88	16	Skeleton tower; 85.	Emergency light.
12220 G 5656	-Cape Caution.	51° 09.8' N 127° 47.2' W	<b>Fl.W.</b> period 6s fl. 0.5s, ec. 5.5s	70 21	6	Square skeleton tower.	
QUEEN CHARLOTTE STRAIT:							
-Goletas Channel:							
12228 G 5642	--Nahwitti Point.	50° 54.3' N 127° 59.1' W	<b>Fl.W.</b> period 4s	46 14	9	White cylindrical tower.	<b>Radar reflector.</b>
12232 G 5641	--Godkin Point.	50° 53.7' N 127° 55.8' W	<b>Fl.R.</b> period 4s	46 14	9	White square skeleton tower, red upper portion.	
12236 G 5641.2	--Bull Harbor entrance.	50° 54.7' N 127° 55.8' W	<b>Fl.W.</b> period 4s	13 4	5	Nine-pile dolphin.	
12244 G 5640	-Dillon Rock.	50° 51.4' N 127° 51.5' W	<b>Q.G.</b>	21 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12248 G 5636	--Noble Islets.	50° 49.3' N 127° 35.6' W	<b>Q.R.</b>	34 10	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12252 G 5649	<b>-Pine Island.</b>	50° 58.5' N 127° 43.7' W	<b>Fl.R.</b> period 10s fl. 0.2s, ec. 9.8s	93 28	16	White cylindrical tower.	
-RACON							
				<b>M(- -)</b>		15 (3 & 10cm).	
12256 G 5655	-McEwan Rock.	51° 03.5' N 127° 37.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	41 13	6	Mast.	
12260 G 5654	-Harris Island.	51° 00.0' N 127° 33.8' W	<b>Fl.W.</b> period 4s	45 14	6	White mast.	
12264 G 5650	-Cholberg Point.	50° 55.0' N 127° 44.2' W	<b>Q.W.</b>	34 10	6	White square skeleton tower, white rectangular daymark.	
12268 G 5648	<b>-Scarlett Point.</b>	50° 51.6' N 127° 36.7' W	<b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	78 24	15	White cylindrical tower.	
12272 G 5652	-Jeannette Islands.	50° 55.3' N 127° 24.8' W	<b>Fl.W.</b> period 4s	31 10	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12276 G 5647.4	-Tribune Rock.	50° 51.5' N 127° 34.0' W	<b>Fl.G.</b> period 4s	22 7		White cylindrical tower, green upper portion.	<b>Radar reflector.</b>



# Section 13

## British Columbia Queen Charlotte Strait to Washington

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
12280 G 5647	-Crane Islands.	50° 50.5' N 127° 31.4' W	<b>Fl.W.</b> period 4s	47 14	7	White cylindrical tower, green upper portion.	
12284 G 5633	-Doyle Island.	50° 48.3' N 127° 27.6' W	<b>Fl.W.</b> period 4s	46 14	9	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12288 G 5632	-Masterman Islands.	50° 45.5' N 127° 25.4' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	33 10	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12292 G 5634	-Hardy Bay.	50° 43.8' N 127° 29.0' W	<b>Fl.R.</b> period 4s	27 8	8	White cylindrical tower, red upper portion.	
12296 G 5635	--Hardy Bay Inner, SE. of wharf.	50° 43.1' N 127° 29.0' W	<b>Q.R.</b>	18 6	3	White cylindrical tower, red upper portion.	
12296.5 G 5635.2	--Hardy Bay Inner No. 2.	50° 43.0' N 127° 28.9' W	<b>Q.G.</b>	16 5	3	White cylindrical tower, green upper portion.	
12297 G 5635.4	--Boat Basin, N.	50° 42.9' N 127° 29.3' W	<b>Fl.R.</b> period 4s	11 3	4	White mast.	
12297.5 G 5635.41	---S.	50° 42.8' N 127° 29.3' W	<b>Fl.G.</b> period 4s	15 5	4	White mast.	
12298	--Aviation Light.	50° 42.8' N 127° 29.3' W	<b>Fl.W.</b> period 2.5s				Activated by the Flight Services Station for aircraft landings and take-offs. Occasional. Private light.
12300 G 5631	-Round Island.	50° 43.6' N 127° 21.9' W	<b>Fl.W.</b> period 4s	39 12	6	White cylindrical tower.	<b>Radar reflector.</b>
12302 G 5629.6	Numas Island.	50° 45.9' N 127° 04.3' W	<b>Fl.W.</b> period 4s	21 6	8	White cylindrical tower.	
12304 G 5629.2	James Point.	50° 50.3' N 126° 58.7' W	<b>Fl.W.</b> period 4s	30 9	6	White cylindrical tower.	<b>Radar reflector.</b>
12308 G 5629.4	Surgeon Islets.	50° 53.5' N 126° 52.3' W	<b>Fl.R.</b> period 4s	21 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12312 G 5629	Duff Islet.	50° 45.4' N 126° 43.4' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	29 9	5	White cylindrical tower.	<b>Radar reflector.</b>
12316 G 5628.7	Lizard Point.	50° 40.3' N 126° 53.7' W	<b>Fl.W.</b> period 4s	18 6	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12320 G 5628.6	Wedge Island.	50° 38.1' N 126° 43.3' W	<b>Q.W.</b>	34 10	6	White cylindrical tower.	<b>Radar reflector.</b>
12324 G 5628.8	-Bamber Point, Viscount Island.	50° 41.7' N 126° 14.1' W	<b>Fl.W.</b> period 4s	22 7	6	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-CANADA</b>							
BROUGHTON STRAIT:							
12328 G 5628	-Pulteney Point.	50° 37.8' N 127° 09.3' W	<b>Fl.R.</b> period 10s fl. 0.2s, ec. 9.8s	40 12	14	White square tower.	<b>Horn (2):</b> 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 48s).
12334 G 5625.7	-Port McNeill, breakwater.	50° 35.6' N 127° 05.3' W	<b>Fl.W.</b> period 4s	16 5	5	Mast.	
12340 G 5625	Haddington Island.	50° 36.3' N 127° 01.3' W	<b>Q.G.</b>	26 8	5	White cylindrical tower, green upper portion.	
12344 G 5624.6	-S. side.	50° 35.9' N 127° 01.5' W	<b>Q.W.</b>	15 5	6	White cylindrical tower.	
12348 G 5624	Haddington Reefs Pier.	50° 36.5' N 127° 00.6' W	<b>Iso.R.</b> period 2s	30 9	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12356 G 5625.4	Broad Point, W.	50° 35.0' N 127° 01.4' W	<b>Dir.W.R.G.</b>	21 6	9	White cylindrical tower.	F.G. 155°-158°30', F.W.-163°, F.R.-166°30'. <b>Radar reflector.</b>
12360 G 5622	-Nimpkish Bank.	50° 34.7' N 126° 56.9' W	<b>Q.W.</b>	21 6	6	White mast, black, white, and green square daymark, on six-pile dolphin.	
12364 G 5623	-Yellow Bluff.	50° 35.2' N 126° 57.1' W	<b>Fl.W.R.</b> period 4s	28 8	5	White cylindrical tower, red upper portion.	R. 289°-302°, W.-289°. <b>Radar reflector.</b>
12368 G 5615	-Lewis Point.	50° 33.1' N 126° 51.3' W	<b>Fl.G.</b> period 4s	27 8	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
JOHNSTONE STRAIT:							
12372 G 5614	-Blinkhorn Peninsula.	50° 32.6' N 126° 47.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	31 10	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12376 G 5613.5	-Hanson Island, E. side.	50° 34.0' N 126° 41.6' W	<b>Q.W.R.</b>	18 6	4	White mast.	R. 127°-160°, W.-345°.
12380 G 5613.6	-Parson Island.	50° 34.5' N 126° 41.0' W	<b>Fl.W.</b> period 4s	20 6	7	White cylindrical tower.	<b>Radar reflector.</b>
12384 G 5613.4	-Cracroft Point.	50° 33.0' N 126° 40.7' W	<b>Fl.R.</b> period 4s	23 7	4	White cylindrical tower.	<b>Radar reflector.</b>
12388 G 5613	-Boat Bay.	50° 31.2' N 126° 34.7' W	<b>Q.W.</b>	35 11		White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12392 G 5612	-Broken Islands.	50° 30.7' N 126° 17.9' W	<b>Fl.W.</b> period 4s	23 7	7	White cylindrical tower.	<b>Radar reflector.</b>
12396 G 5615.4	-Havannah Islets.	50° 32.2' N 126° 15.0' W	<b>Q.G.</b>	23 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12400 G 5616	-Ray Point Range, front.	50° 34.8' N 126° 12.0' W	<b>F.Y.</b>	26 8	5	Square skeleton tower, red trapezoidal daymark, white stripe.	
12404 G 5616.1	--Rear, 23 meters 087°48' from front.	50° 34.8' N 126° 12.0' W	<b>F.Y.</b>	39 12	6	Square skeleton tower, red trapezoidal daymark, white stripe.	
12408 G 5617	-East Cracroft Island Range, front.	50° 34.8' N 126° 14.5' W	<b>F.Y.</b>	20 6	5	Square skeleton tower, red trapezoidal daymark, white stripe.	
12412 G 5617.1	--Rear, 27 meters 270°55' from front.	50° 34.8' N 126° 14.5' W	<b>F.Y.</b>	46 14	6	Square skeleton tower, red trapezoidal daymark, white stripe.	

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<b>BRITISH COLUMBIA-CANADA</b>							
12420 G 5610	-Hickey Point.	50° 27.0' N 126° 05.2' W	<b>Fl.W.</b> period 4s	29 9	8	Square skeleton tower.	
12424 G 5608	-Tuna Point.	50° 28.5' N 126° 00.1' W	<b>Fl.R.</b> period 4s	31 9	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12428 G 5606.6	-Fanny Island.	50° 27.2' N 125° 59.6' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	20 6	9	Triangular skeleton tower.	
12432 G 5605	-Earl Ledge.	50° 24.7' N 125° 55.2' W	<b>Fl.R.</b> period 4s	17 5	5	Square skeleton tower, red and white rectangular daymark.	
12436 G 5604	-Peterson Islet.	50° 23.4' N 125° 54.8' W	<b>Fl.G.</b> period 4s	20 6	5	White cylindrical tower, green upper portion.	
12440 G 5603	-Helmcken Island, S. side.	50° 23.7' N 125° 52.3' W	<b>Q.W.R.</b>	36 11	5	White cylindrical tower, red upper portion.	R. 274°-281°20', W.-114°10', R.-122°20'.
12444 G 5574.4	-Pryce Channel.	50° 18.4' N 124° 49.8' W	<b>Fl.G.</b> period 4s	23 7	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12448 G 5573.8	-Waddington Channel.	50° 08.4' N 124° 53.7' W	<b>Fl.G.</b> period 4s	23 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12452 G 5574.2	-Dean Point.	50° 17.1' N 124° 47.2' W	<b>Q.G.</b>	20 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12456 G 5601	-Helmcken Island.	50° 23.9' N 125° 51.4' W	<b>Dir.W.R.G.</b>	15 5	6	White cylindrical tower.	F.R. 284°-293°, F.W.-296°30', F.G.-302°.
12460 G 5603.4	--N. side.	50° 24.4' N 125° 52.6' W	<b>Q.G.</b>	23 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12464 G 5600	-Camp Point.	50° 23.1' N 125° 49.6' W	<b>Q.G.</b>	18 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12468 G 5599	-Race Passage, E.	50° 22.9' N 125° 48.8' W	<b>Fl.G.</b> period 4s	17 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
	-Sunderland Channel:						
12472 G 5606.4	--Seymour Island, S. side.	50° 28.7' N 125° 52.1' W	<b>Fl.W.</b> period 4s	18 6	5	White mast.	
12476 G 5606	-Carterer Point.	50° 27.5' N 125° 45.8' W	<b>Q.W.</b>	18 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12480 G 5600.4	Current Passage.	50° 24.6' N 125° 48.6' W	<b>Dir.W.R.G.</b>	16 5	6	White cylindrical tower.	F.R. 326°-330°, F.W.-336°, F.G.-340°.
12484 G 5598.4	Tyee Point.	50° 23.1' N 125° 47.0' W	<b>Q.R.</b>	26 8	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12488 G 5598	-Vansittart Point.	50° 22.6' N 125° 44.6' W	<b>Fl.R.</b> period 4s	32 10	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12490 G 5595.5	Bear Point.	50° 21.9' N 125° 40.3' W	<b>Fl.W.</b> period 4s	19 6	8	White cylindrical tower.	<b>Radar reflector.</b>
12492 G 5596	-Ripple Point.	50° 22.1' N 125° 34.8' W	<b>Fl.W.</b> period 4s	20 6	6	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12496 G 5595	-Walkem Island.	50° 21.5' N 125° 31.5' W	<b>Fl.R.</b> period 4s	18 6		White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12500 G 5594	-Rock Point.	50° 20.5' N 125° 30.1' W	<b>Q.G.</b>	19 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12504 G 5593	Turn Island.	50° 20.7' N 125° 27.9' W	<b>Q.R.</b>	39 12	4	Mast, red and white triangular daymark point up.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
DISCOVERY PASSAGE:							
12508 G 5580	-Chatham Point.	50° 20.0' N 125° 26.4' W	<b>Fl.G.</b> period 5s fl. 1.5s, ec. 3.5s	21 6	8	White cylindrical tower, green upper portion.	<b>Horn:</b> 1 bl. ev. 20s. (bl. 2s, si. 18s).
12512 G 5589	-Cinque Island.	50° 17.7' N 125° 24.1' W	<b>Fl.R.</b> period 4s	20 6	5	White mast, red and white triangular daymark point up.	
12516 G 5588	-McMullen Point.	50° 14.7' N 125° 23.8' W	<b>Fl.W.</b> period 4s	30 9	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12518 G 5587.5	-Separation Head.	50° 10.7' N 125° 21.3' W	<b>Fl.R.</b> period 4s	21 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12520 G 5586	-Maud Island.	50° 07.8' N 125° 20.9' W	<b>Q.R.</b>	28 9		White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12522 G 5586.2	-Maud Island South.	50° 07.7' N 125° 20.5' W	<b>Fl.R.</b> period 4s	22 7	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12524 G 5587	-Wilfred Point.	50° 07.8' N 125° 21.5' W	<b>Q.G.</b>	22 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12526 G 5587.3	Brown Bay.	50° 10.0' N 125° 22.1' W	<b>Fl.G.</b> period 4s	24 7	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12528 G 5584	-Race Point.	50° 06.8' N 125° 19.5' W	<b>Q.G.</b>	77 24	4	White cylindrical tower, green upper portion.	
12536 G 5583.5	-Steep Island.	50° 04.7' N 125° 15.2' W	<b>Q.W.</b>	22 7	6	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12540 G 5582.6	-Quathiaski Cove.	50° 02.7' N 125° 13.3' W	<b>Fl.G.</b> period 4s	20 6	5	White cylindrical tower, green upper portion.	
12544 G 5582.8	-Tye Spit Range, front.	50° 02.9' N 125° 15.6' W	<b>Q.Y.</b>	15 5	9	Three-pile dolphin, white trapezoidal daymark, red stripe.	
12548 G 5582.81	--Rear, 50.9 meters 205°42' from front.	50° 02.8' N 125° 15.7' W	<b>Q.Y.</b>	23 7	9	Three-pile dolphin, white trapezoidal daymark, red stripe.	
12551 G 5583	--S. breakwater.	50° 02.1' N 125° 14.6' W	<b>Q.G.</b>	23 7	4	Mast, black, white and green square daymark.	
12552 G 5582	-Campbell River, breakwater.	50° 01.5' N 125° 14.3' W	<b>Fl.G.</b> period 4s	17 5	4	Mast.	
12556 G 5582.2	--N. breakwater.	50° 01.7' N 125° 14.4' W	<b>Fl.W.</b> period 4s	18 6	4	Three-pile dolphin, black, white and green square daymark.	
12558 G 5582.4	-Campbell River, Ferry Terminal, Dolphin No. 2.	50° 01.7' N 125° 14.3' W	<b>Q.Y.</b>	19 6	5	Square mast, red triangular daymark point up, on a four-pile dolphin.	
CORDERO CHANNEL:							
12560 G 5580	-Cape Mudge.	49° 59.9' N 125° 11.7' W	<b>Fl.W.R.</b> period 5s	58 18	13	White octagonal tower.	W. 316°-134°, R.-149°, W.-151°. <b>Horn:</b> 1 bl. ev. 30s (bl. 3s, si. 27s).
12564 G 5578.4	-Lyllal Island.	50° 26.7' N 125° 35.7' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 7	5	White cylindrical tower.	<b>Radar reflector.</b>
12568 G 5578	-Griffiths Islet.	50° 26.5' N 125° 30.4' W	<b>Q.R.</b>	22 7	3	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12572 G 5577.4	-Lorte Island.	50° 26.7' N 125° 27.3' W	<b>Fl.W.</b> period 4s	17 5	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
12576 G 5577	-Little Dent Island, W. extremity.	50° 24.5' N 125° 12.6' W	<b>Q.R.</b>	24 7	4	White cylindrical tower, red upper portion.	
12580 G 5576	-Gillard Island.	50° 23.5' N 125° 09.3' W	<b>Q.G.</b>	20 6	4	White cylindrical tower, green upper portion.	
12584 G 5575	Harbott Point.	50° 21.7' N 125° 08.2' W	<b>Fl.R.</b> period 4s		4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12588 G 5574.8	Maurelle Island, Hole in the Wall, W. entrance.	50° 18.0' N 125° 12.5' W	<b>Q.R.</b>	23 7	3	White cylindrical tower, red upper portion.	
LEWIS CHANNEL:							
12592 G 5574	-Redonda Island.	50° 14.6' N 124° 58.7' W	<b>Fl.W.</b> period 4s	22 7	6	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12596 G 5572.8	-Junction Point.	50° 13.9' N 124° 49.3' W	<b>Fl.G.</b> period 4s	29 9	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12600 G 5573	-Refuge Cove.	50° 06.9' N 124° 51.0' W	<b>Fl.R.</b> period 4s	21 6	4	White cylindrical tower, red upper portion.	
12604 G 5568.6	Thulin Passage.	50° 01.8' N 124° 49.6' W	<b>Fl.G.</b> period 4s	30 9	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12608 G 5569	Spilsbury Point.	50° 00.2' N 124° 56.7' W	<b>Q.W.</b>	20 6	6	White cylindrical tower.	<b>Radar reflector.</b>
12612 G 5568	Lund.	49° 59.7' N 124° 47.7' W	<b>Fl.W.</b> period 4s	21 6	6	White cylindrical tower.	<b>Radar reflector.</b>
12616 G 5568.4	Major Islet.	49° 59.3' N 124° 49.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	102 31	6	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12620 G 5567	Savary Island wharf.	49° 56.8' N 124° 46.8' W	<b>Fl.W.</b> period 4s	21 6	5	Building.	
SUTIL CHANNEL:							
12632 G 5570	-Channel Rock.	50° 05.6' N 125° 02.3' W	<b>Q.R.</b>	19 6	3	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12636 G 5572	-Whaletown Bay.	50° 06.4' N 125° 03.5' W	<b>Fl.G.</b> period 4s	17 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12640 G 5579	-Drew Harbor.	50° 06.5' N 125° 11.7' W	<b>Fl.G.</b> period 4s	18 6	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12644 G 5574.6	-Whiterock Passage.	50° 14.6' N 125° 06.7' W	<b>Q.W.</b>	17 5	4	White cylindrical tower.	
12652 G 5571	Cortes Bay.	50° 03.8' N 124° 55.5' W	<b>Q.R.</b>	20 6	3	White cylindrical tower, red upper portion.	
12660 G 5566	Kuhushan Point.	49° 53.3' N 125° 07.4' W	<b>Fl.(2)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	58 18	12	White square skeleton tower.	
12664 G 5549	AVIATION LIGHT.	49° 42.7' N 124° 53.6' W	<b>Fl.W.</b> period 10s				
12672 G 5554	Rebecca Rock.	49° 48.8' N 124° 39.5' W	<b>Is.o.W.</b> period 2s	30 9	10	White cylindrical tower.	<b>Radar reflector.</b>
12676 G 5552	Cyril Rock.	49° 48.0' N 124° 36.0' W	<b>Q.G.</b>	24 7	4	White cylindrical tower, green upper portion.	
12678 G 5562	Powell River Range, front.	49° 52.3' N 124° 33.5' W	<b>F.Y.</b>				

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<b>BRITISH COLUMBIA-CANADA</b>							
12678.1 G 5562.1	-Rear, 510 feet 032°30' from front.	49° 52.3' N 124° 33.5' W	<b>F.Y.</b>				
12680 G 5564.2	-Powell River floating breakwater entrance, N.	49° 51.7' N 124° 33.2' W	<b>Fl.G.</b> period 4s			Floating breakwater.	Private light.
12684 G 5564	--Floating breakwater, entrance, S.	49° 51.6' N 124° 33.2' W	<b>Fl.R.</b> period 4s	23 7		Floating breakwater.	Private light.
12692 G 5551.4	-North Rock.	49° 50.4' N 124° 31.9' W	<b>Fl.W.</b> period 4s	20 6	5	Mast.	Private light.
12696 G 5550	Grief Point.	49° 48.3' N 124° 31.5' W	<b>Fl.(2)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	35 11	8	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12700 G 5551	-E.	49° 48.0' N 124° 31.1' W	<b>Fl.R.</b> period 4s	14 4	4	White mast.	
12704 G 5521	Northeast Point.	49° 42.5' N 124° 21.6' W	<b>Fl.W.</b> period 4s	31 9	8	White cylindrical tower, green upper portion.	
JERVIS INLET:							
12708 G 5522.5	-Ahlstrom Point.	49° 46.8' N 124° 08.6' W	<b>Fl.G.</b> period 4s	21 6	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12712 G 5523	-Captain Island.	49° 47.4' N 123° 59.7' W	<b>Fl.W.</b> period 4s	27 8	5	White cylindrical tower.	<b>Radar reflector.</b>
12716 G 5523.8	Malibu Rapids.	50° 09.7' N 123° 51.2' W	<b>Q.G.</b>	18 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12720 G 5524	-Skookumchuck Narrows.	49° 45.6' N 123° 56.1' W	<b>Fl.G.</b> period 4s	20 6	4	White cylindrical tower, green upper portion.	
12724 G 5524.6	-Skookum Island.	49° 43.5' N 123° 52.8' W	<b>Fl.W.</b> period 4s	23 7	6	White cylindrical tower.	
12728 G 5524.3	-Sechelt Islets.	49° 44.4' N 123° 53.9' W	<b>Q.G.</b>	23 7	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12732 G 5525	-Kunechin Islets.	49° 37.2' N 123° 48.3' W	<b>Fl.(2)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	20 6	5	White mast.	
12736 G 5523.5	-Agnew Passage.	49° 46.5' N 123° 59.4' W	<b>Q.G.</b>	25 8	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12738 G 5523.6	-Earls Cove.	49° 45.2' N 124° 00.6' W	<b>F.G.</b>			Ferry terminal on gantry.	<b>Horn:</b> 1 bl. ev. 30s (bl. 2s, si. 28s). Operates for ferry movements only. <b>Radar reflector.</b>
12740 G 5519	Cape Cockburn.	49° 40.2' N 124° 12.2' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	50 15	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12742 G 5522	-Saltery Bay.	49° 46.8' N 124° 10.6' W	<b>F.G.</b>			Dolphin.	<b>Horn:</b> 1 bl. ev. 20s (bl. 3s, si. 17s).
12744 G 5517	Nelson Rock.	49° 38.6' N 124° 07.2' W	<b>Fl.W.</b> period 4s	23 7	6	White cylindrical tower.	<b>Radar reflector.</b>
12748 G 5516	Pender Harbor.	49° 37.8' N 124° 03.6' W	<b>Q.R.</b>	15 5	3	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12752 G 5514	Francis Point.	49° 36.2' N 124° 03.5' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	34 10	6	White cylindrical tower.	

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<b>BRITISH COLUMBIA-CANADA</b>							
12756 G 5513.5	Secret Cove Entrance.	49° 31.7' N 123° 58.0' W	<b>Q.R.</b>	18 6	3	Mast, red and white triangular daymark point up.	
12760 G 5513	Espom Point.	49° 30.2' N 124° 01.2' W	<b>Fl.W.</b> period 4s	23 7	7	Mast on three-pile dolphin.	
WELCOME PASSAGE:							
12768 G 5512	-Wilbraham Point.	49° 30.7' N 123° 58.2' W	<b>Fl.R.</b> period 4s	35 11	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12772 G 5511	-Reception Point.	49° 28.3' N 123° 53.3' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 7	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12776 G 5510	<b>-Merry Island.</b>	49° 28.1' N 123° 54.7' W	<b>Fl.W.</b> period 15s fl. 0.4s, ec. 14.6s	60 18	17	White square tower.	
12780 G 5526	Point Upwood.	49° 29.3' N 124° 08.5' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	36 11	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12784 G 5526.4	Texada Island.	49° 31.7' N 124° 13.6' W	<b>Fl.R.</b> period 4s	33 10	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
BAYNES SOUND:							
12792 G 5544	-Goose Spit, W. end.	49° 39.6' N 124° 55.5' W	<b>Q.R.</b>	20 6	4	White cylindrical tower, red upper portion.	2 F.G. 2M shown in Courtney River. <b>Radar reflector.</b>
12796 G 5546.5	-Courtenay River.	49° 40.0' N 124° 57.0' W	<b>Fl.W.</b> period 4s	16 5	5	Black, white and green square daymark, on seven-pile dolphin.	
12798 G 5547	-Courtenay River Range, front, on river bank.	49° 40.6' N 124° 57.5' W	<b>Q.Y.</b>	13 4	9	Pile dolphin, red trapezoidal daymark, white stripe.	
12799 G 5547.1	--Rear, 66.2 meters 320°04' from front.	49° 40.7' N 124° 57.6' W	<b>Q.Y.</b>	25 8	9	Three-pile dolphin, red trapezoidal daymark, white stripe.	
12800 G 5545	-Comox Harbor, breakwater, head.	49° 40.2' N 124° 55.8' W	<b>Fl.R.</b> period 4s	12 4	4	Mast.	
12802 G 5545.3	-Comox Harbor, E. breakwater.	49° 40.1' N 124° 55.5' W	<b>Fl.G.</b> period 4s	11 3	4	Mast.	
12804 G 5542	<b>-Comox Bar Range, front.</b>	49° 37.4' N 124° 54.5' W	<b>Iso.Y.</b> period 1.5s	37 11	15	Square skeleton tower, white trapezoidal daymark, red stripe.	
12808 G 5542.1	--Rear, 284 meters 222°10' from front.	49° 37.2' N 124° 54.7' W	<b>Iso.Y.</b> period 2s	76 23	15	Square skeleton tower, white trapezoidal daymark, red stripe.	
12812 G 5538	-Denman Island.	49° 32.3' N 124° 49.8' W	<b>Fl.W.</b> period 4s	20 6	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12816 G 5537	--W. Ferry Landing.	49° 32.1' N 124° 49.4' W	<b>F.Y.</b>	25 8		Dolphin.	Private light.
12820 G 5535	-Buckley Bay Ferry Landing.	49° 31.6' N 124° 50.8' W	<b>F.Y.</b>	25 8		Dolphin.	Private light.
12824 G 5534	-Mapleguard Point (Deep Bay).	49° 27.9' N 124° 44.1' W	<b>Fl.W.</b> period 4s	30 9	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12828 G 5532	-Chrome Island Range, front.	49° 28.3' N 124° 41.1' W	<b>F.Y.</b>	46 14	12	Cylindrical tower, red trapezoidal daymark, white stripe.	Visible on range line only.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
12832 G 5532.1	--Rear, 93.3 meters from front.	49° 28.3' N 124° 41.0' W	<b>Fl.Y.</b> period 5s fl. 0.2s, ec. 4.8s  <b>Fl.W.</b> period 5s fl. 0.2s, ec. 4.8s	72 22	14	White cylindrical tower.	Visible on range line only.
12836 G 5540	-Denman Island.	49° 29.6' N 124° 42.5' W	<b>F.Y.</b>	25 8		Dolphin.	Private light.
12840 G 5531	-Hornby Island Ferry Landing.	49° 30.6' N 124° 42.3' W	<b>F.Y.</b>	25 8		Dolphin.	Private light.
12844 G 5530	Flora Islet.	49° 31.0' N 124° 34.6' W	<b>Fl.W.</b> period 4s	50 15	5	Square skeleton tower.	
12848 G 5527	Fegan Islets.	49° 31.9' N 124° 23.0' W	<b>Fl.W.</b> period 4s	26 8	5	White cylindrical tower.	<b>Radar reflector.</b>
12852 G 5529	<b>Sisters Islets.</b>	49° 29.2' N 124° 26.1' W	<b>Fl.(2)W.</b> period 15s fl. 0.4s, ec. 3s fl. 0.4s, ec. 11.2s	80 24	16	White cylindrical tower.	
12856 G 5528	False Bay.	49° 29.2' N 124° 21.7' W	<b>Fl.W.</b> period 4s	18 6	5	White cylindrical tower.	
12860 G 5509	French Creek, head.	49° 21.1' N 124° 21.3' W	<b>Q.R.</b>	19 6	5	White mast.	
12864 G 5508.5	Sangster Island.	49° 25.4' N 124° 11.6' W	<b>Q.R.</b>	56 17	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12868 G 5508	<b>Ballenas Island.</b>	49° 21.0' N 124° 09.6' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	70 21	17	White octagonal tower, red upper portion.	
12872 G 5507.4	Schooner Cove, breakwater.	49° 17.3' N 124° 08.0' W	<b>Fl.G.</b> period 4s	10 3	4	Mast, black, white and green square daymark.	
12876 G 5507	Schooner Reefs.	49° 17.6' N 124° 07.8' W	<b>Fl.R.</b> period 4s	23 7	4	White cylindrical tower, red upper portion.	
12877	Winchelsea Islands, S. side of N. island.	49° 17.6' N 124° 05.2' W	<b>Fl.W.</b>				
NANOOSE HARBOR:							
12880 G 5504	-Maude Island.	49° 16.2' N 124° 04.7' W	<b>Fl.W.</b> period 4s	32 10	6	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12884 G 5506	-Richard Point.	49° 15.9' N 124° 07.5' W	<b>Fl.R.</b> period 4s	26 8	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12885	-Breakwater.	49° 15.9' N 124° 08.2' W	<b>Q.Y.</b>				
12886	-Ranch Point Pier.	49° 15.9' N 124° 08.9' W	<b>Fl.Y.</b>				
12886.5	--W. end.	49° 16.0' N 124° 09.0' W	<b>Fl.Y.</b>				
12888 G 5502	White Islets.	49° 25.1' N 123° 42.7' W	<b>Fl.W.</b> period 4s	35 11	6	White cylindrical tower.	<b>Radar reflector.</b>
12892 G 5502.4	Selma Park, breakwater, head.	49° 28.0' N 123° 44.7' W	<b>Fl.R.</b> period 4s	27 8		White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
HOWE SOUND:							
12896 G 5420	-Popham Island.	49° 21.8' N 123° 29.5' W	<b>Fl.R.</b> period 4s	37 11	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
12900 G 5419.4	-Cape Roger Curtis.	49° 20.4' N 123° 26.0' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	31 10	5	White cylindrical tower.	<b>Radar reflector.</b>
12904 G 5420.4	-Gibsons Landing Rock.	49° 23.9' N 123° 29.9' W	<b>Fl.G.</b> period 4s	23 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12908 G 5420.5	-Gibsons Landing, breakwater head.	49° 24.0' N 123° 30.2' W	<b>Fl.R.</b> period 4s	16 5	6	Building.	
12910 G 5420.6	-Gibsons landing, S. breakwater.	49° 24.0' N 123° 30.3' W	<b>Fl.G.</b> period 4s	20 6	3	White mast, black, white and green square daymark.	
12912 G 5423.3	-Grace Islands.	49° 25.8' N 123° 26.9' W	<b>Fl.W.</b> period 4s	20 6	5	White cylindrical tower.	
12916 G 5423.6	-Ekins Point.	49° 32.1' N 123° 22.8' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	21 6	5	White cylindrical tower.	<b>Radar reflector.</b>
12918 G 5423.82	Squamish Terminal No. 1.	49° 41.0' N 123° 10.6' W	<b>Fl.G.</b> period 4s	14 4	4	Mast on a pile dolphin.	
12919 G 5423.83	-No. 2.	49° 40.9' N 123° 10.4' W	<b>Fl.W.</b> period 4s	14 4	5	Mast on pile dolphin.	
12920 G 5423.7	Squamish Approach.	49° 40.8' N 123° 09.9' W	<b>Fl.R.</b> period 4s	20 6	3	Three-pile dolphin, red and white triangular daymark point up.	
12932 G 5423.5	-Brunswick Point.	49° 31.6' N 123° 15.7' W	<b>Fl.R.</b> period 4s	33 10	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12936 G 5423.4	-Pam Rock.	49° 29.3' N 123° 18.0' W	<b>Fl.W.</b> period 4s	38 12	5	White cylindrical tower.	<b>Radar reflector.</b>
12940 G 5423.1	-Hope Point.	49° 25.8' N 123° 22.1' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	5	White cylindrical tower.	
12944 G 5423	-Finisterre Island.	49° 25.1' N 123° 18.5' W	<b>Q.W.</b>	33 10	4	White cylindrical tower.	<b>Radar reflector.</b>
12948 G 5422	-Tyee Point.	49° 22.8' N 123° 16.4' W	<b>Q.W.</b>	17 5	6	White round tower.	<b>Radar reflector.</b>
12952 G 5421.5	-Lookout Point.	49° 22.6' N 123° 17.4' W	<b>Q.R.</b>	23 7	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12956 G 5422.5	-Snug Cove.	49° 22.8' N 123° 19.3' W	<b>Fl.G.</b> period 4s	20 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
12960 G 5422.6	--N.	49° 22.9' N 123° 19.6' W	<b>Fl.R.</b> period 4s	20 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12964 G 5421.3	-Fishermans Cove, (Robson).	49° 21.3' N 123° 16.6' W	<b>Fl.R.</b> period 4s	19 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12966 G 5421.35	-Grebe Islets.	49° 20.5' N 123° 16.6' W	<b>Fl.(3)R.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12967 G 5421.4	-Bird Islet.	49° 21.8' N 123° 17.5' W	<b>Fl.R.</b> period 4s	16 5	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
12968 G 5419	-Point Cowan.	49° 20.1' N 123° 21.6' W	<b>Q.W.</b>	67 20	7	White cylindrical tower.	<b>Radar reflector.</b>
12972 G 5426	-Point Atkinson.	49° 19.8' N 123° 15.9' W	<b>Fl.(2)W.</b> period 5s fl. 0.2s, ec. 0.8s fl. 0.2s, ec. 3.8s	108 33	15	White hexagonal tower with six buttresses, red upper portion.	

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<b>BRITISH COLUMBIA-CANADA</b>							
-First Narrows:							
12984 G 5435	--Beacon, N. side.	49° 19.1' N 123° 08.8' W	<b>Iso.G.</b> period 2s	25 8	7	White cylindrical tower, green upper portion, on four-pile dolphin.	<b>Radar reflector.</b>
12988 G 5434	--Prospect Point.	49° 18.8' N 123° 08.5' W	<b>Iso.R.</b> period 2s	38 12	10	White tower, red upper portion.	Shown 24 hours.
12992 G 5437	-Lions Gate Bridge, S.	49° 18.9' N 123° 08.3' W	<b>Dir.W.R.G.</b>	208 63	14	On bridge.	F.G. 303°-304°, F.W.-306°, F.R.-307°. Shown 24 hours.
12996 G 5438	--N.	49° 19.0' N 123° 08.3' W	<b>Dir.W.R.G.</b>	208 63	14	On bridge.	F.G. 303°-304°, F.W.-306°, F.R.-307°. Shown 24 hours.
13000 G 5442	-Calamity Point.	49° 18.8' N 123° 07.7' W	<b>Fl.W.</b> period 4s	17 5	9	White cylindrical tower, green upper portion, on 16-pile dolphin.	<b>Radar reflector.</b>
13008 G 5448	-Burnaby Shoal.	49° 17.6' N 123° 07.4' W	<b>Q.R.</b>	30 9	10	White cylindrical tower, red upper portion.	
13012 G 5455	-Deadman Island.	49° 17.6' N 123° 07.4' W	<b>Q.R.</b>	22 7	4	White cylindrical tower, red upper portion, on three-pile dolphin.	<b>Radar reflector.</b>
13014 G 5456	-Coal Harbor.	49° 17.6' N 123° 07.5' W	<b>Fl.R.</b> period 4s	23 7	4	White cylindrical tower, red upper portion, on nine-pile dolphin.	<b>Radar reflector.</b>
13016 G 5465	-Terminal Dock, E.	49° 17.6' N 123° 03.0' W	<b>Fl.R.</b> period 4s	8 2	7	Mast on pilings.	
13019 G 5465.5	-Second Narrows West Directional.	49° 17.6' N 123° 02.8' W	<b>Fl.R.</b>	26 8	10	White square skeleton tower, on three-pile dolphin.	Visible on a bearing of 266°.
13020 G 5468	-Second Narrows Highway Bridge.	49° 17.7' N 123° 01.6' W	<b>F.W.</b>	148 45		On bridge. Floodlit.	Visible from W. approach. Center light located on bottom of span.
13028 G 5468.3	--(lower).	49° 17.7' N 123° 01.6' W	<b>F.W.</b>	197 60		On bridge.	Visible from E. approach.
13032 G 5468.2	--(upper).	49° 17.7' N 123° 01.5' W	<b>F.W.</b>	197 60		On bridge.	Visible from W. approach.
13033 G 5473	-Second Narrows, E. of railway bridge.	49° 17.8' N 123° 00.6' W	<b>Q.G.</b>	27 8	6	White square skeleton tower, green upper portion, on three-pile dolphin.	
13034 G 5471.3	-Riverside East.	49° 17.8' N 123° 01.1' W	<b>Fl.G.</b> period 4s	27 8	7	White square skeleton tower, green upper portion, on six-pile dolphin.	
13035 G 5469.9	-CN Railway Bridge.	49° 17.7' N 123° 01.5' W	<b>Dir.W.R.G.</b>		10	On bridge.	F.G. 263°-264°, Al.W.G.-265°, F.W.-267°, Al.W.R.-268°, F.R.-270°.
13040 G 5473.4	--E.	49° 17.9' N 122° 59.8' W	<b>Fl.G.</b> period 4s	11 3	7	Center of 19-pile dolphin.	<b>Radar reflector.</b>
13044 G 5474	-Berry Point.	49° 17.7' N 122° 59.2' W	<b>Fl.R.</b> period 4s	30 9	8	Triangular skeleton tower, on nine-pile dolphin.	
-INDIAN ARM:							
13046 G 5481	--Woodlands.	49° 20.5' N 122° 55.2' W	<b>Fl.G.</b> period 4s	14 4	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13047 G 5481.2	-Twin Islands.	49° 21.1' N 122° 53.4' W	<b>Fl.R.</b> period 4s	30 9	5	White tower, red upper portion.	<b>Radar reflector.</b>
13048 G 5477	Gosse Point.	49° 17.5' N 122° 55.5' W	<b>Fl.R.</b> period 4s	30 9	5	White cylindrical tower, red upper portion, on seven-pile dolphin.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-CANADA</b>							
13049 G 5481.4	-Best Point.	49° 22.8' N 122° 52.8' W	<b>Fl.W.</b> period 4s	19 6	5	White cylindrical tower.	<b>Radar reflector.</b>
13052 G 5476	-Roche Point.	49° 18.0' N 122° 57.4' W	<b>Fl.W.</b> period 4s	25 8	4	White cylindrical tower, on three-pile dolphin.	
13056 G 5478	-Burns Point.	49° 17.6' N 122° 55.1' W	<b>Fl.W.</b> period 4s	15 5	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13060 G 5479	-Carraholly Point.	49° 17.6' N 122° 54.5' W	<b>Fl.G.</b> period 4s	16 5	5	White cylindrical tower, green upper portion.	
13061 G 5479.2	-Carraholly Range, front.	49° 17.7' N 122° 53.9' W	<b>F.Y.</b>	24 7	10	Square skeleton tower, white trapezoidal daymark, red stripe, on four-pile dolphin.	
13062 G 5479.21	--Rear, 218 meters 277°05' from front.	49° 17.7' N 122° 54.1' W	<b>F.Y.</b>	49 15	10	Square skeleton tower, white trapezoidal daymark, red stripe, on four-pile dolphin.	
13064 G 5480	-Reed Point.	49° 17.5' N 122° 52.4' W	<b>Q.R.</b>	32 10	3	Square skeleton tower, red upper portion, white rectangular daymark, on three-pile dolphin.	
13065 G 5482	Croker Island South.	49° 25.8' N 122° 51.8' W	<b>Fl.(2)W.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	18 6	5	White cylindrical tower.	<b>Radar reflector.</b>
13080 G 5430	-Burrard Bridge, N. pier.	49° 16.5' N 123° 08.2' W	<b>Dir.W.R.G.</b>	21 6	11	Mast.	F.R. 128°-131°, F.W.-132°, F.G.-135°.
13086 G 5426.8	-Spanish Banks No. 2.	49° 17.4' N 123° 14.9' W	<b>Fl.(2)R.</b> period 6s fl. 0.5s, ec. 1s fl. 0.5s, ec. 4s	24 7	5	White cylindrical tower, red upper portion, on nine-pile dolphin.	<b>Radar reflector.</b>
13087 G 5426.6	-Spanish Bank.	49° 17.2' N 123° 13.6' W	<b>Fl.W.</b> period 4s	23 7	6	White cylindrical tower, red upper portion, on nine-pile dolphin.	<b>Radar reflector.</b>
13088 G 5427.2	-English Bay Anchorage, E.	49° 16.5' N 123° 11.3' W	<b>Q.Y.</b>	16 5	8	Mast on railing.	Private light.
13090 G 5398.8	Westshore Terminals Jetty, W. Head.	49° 00.7' N 123° 10.0' W	<b>Fl.Y.</b>				Private light.
13091 G 5398.85	-Elbow.	49° 00.7' N 123° 09.8' W	<b>Fl.Y.</b>				Private light.
13100	<i>Roberts Bank Buoy TA.</i>	49° 04.4' N 123° 22.8' W	<b>Fl.Y.</b> period 4s			Yellow buoy.	<b>Radar reflector.</b>
	RACON		<b>O(— — —)</b>		15		(3 & 10cm).
13112 G 5400	-Roberts Bank.	49° 05.3' N 123° 18.6' W	<b>Fl.W.</b> period 4s	30 9	9	White cylindrical tower, red upper portion.	
	-RACON		<b>N(— •)</b>		15		(3 & 10cm).
13113 G 5399	--Entrance Range, front.	49° 01.6' N 123° 08.5' W	<b>Q.Y.</b>	41 12	14	Square skeleton tower, red trapezoidal daymark, white stripe.	
13113.1 G 5399.1	--Rear, 250 meters 032° from front.	49° 01.7' N 123° 08.4' W	<b>Q.Y.</b>	63 19	14	Square skeleton tower, red trapezoidal daymark, white stripe.	
13116 G 5401	-Sand Heads.	49° 06.4' N 123° 18.2' W	<b>Fl.G.</b> period 5s fl. 0.1s, ec. 4.9s	44 13	16	White cylindrical tower.	
13122 G 5402.5	-Northside Jetty 1A.	49° 06.5' N 123° 17.7' W	<b>Fl.(3)G.</b> period 12s	20 6	4	White square skeleton tower, green upper portion.	
13128 G 5403	-Beacon No. 3.	49° 06.7' N 123° 17.3' W	<b>Fl.G.</b> period 4s	19 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-CANADA</b>							
13130 G 5403.5	-Beacon 3A.	49° 06.9' N 123° 16.8' W	<b>Fl.(3)G.</b> period 12s	21	6	4 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13136 G 5404	-Northside Jetty 5.	49° 07.2' N 123° 16.2' W	<b>Fl.(3)G.</b> period 12s	24	7	5 White square skeleton tower, green upper portion, on three-pile dolphin.	
13138 G 5404.5	-Beacon 5A.	49° 07.4' N 123° 15.5' W	<b>Fl.(3)G.</b> period 12s	19	6	4 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13144 G 5405	-Northside Jetty 7.	49° 07.7' N 123° 14.9' W	<b>Fl.G.</b> period 4s	17	5	5 White square skeleton tower, green upper portion.	
13148 G 5406	-Beacon No. 7A.	49° 07.9' N 123° 14.5' W	<b>Q.G.</b>	18	6	5 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13152 G 5410	<b>-Wing Dam Range, front.</b>	49° 08.0' N 123° 14.1' W	<b>F.Y.</b>	31	9	15 Cylindrical mast, red trapezoidal daymark, white stripe.	Shown 24 hours.
			<b>F.G.</b>	30	9	4	Visible upstream.
13156 G 5410.1	--Rear, 715 meters 057°25' from front.	49° 08.2' N 123° 13.6' W	<b>F.Y.</b>	72	22	15 Square skeleton tower, red trapezoidal daymark, white stripe.	Shown 24 hours.
13160 G 5408	-Beacon No. 11, on jetty.	49° 07.9' N 123° 13.6' W	<b>Fl.G.</b> period 4s	16	5	4 White square skeleton tower, green upper portion.	
13164 G 5413	-Northside Jetty 13, on N. side.	49° 07.8' N 123° 12.8' W	<b>Fl.(3)G.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	17	5	4 White square skeleton tower, green upper portion, on nine-pile dolphin.	
13168 G 5413.1	-Garry Point West.	49° 07.5' N 123° 12.0' W	<b>Fl.G.</b> period 4s	23	7	6 White square skeleton tower, green upper portion, on three-pile dolphin.	
NORTH ARM ENTRANCE:							
13176 G 5416.2	-Westerly.	49° 15.4' N 123° 16.8' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24	7	9 White cylindrical tower.	<b>Radar reflector.</b>
13180 G 5416.4	--North Arm breakwater.	49° 15.2' N 123° 16.0' W	<b>Fl.G.</b> period 4s	11	3	4 Mast, green, black and white square daymark.	
13188 G 5417	--North Arm Third.	49° 14.4' N 123° 14.9' W	<b>Fl.W.</b> period 4s	23	7	3 Three-pile dolphin, red and white triangular daymark point up.	
13192 G 5418	--Inner (Easterly).	49° 13.6' N 123° 13.7' W	<b>Q.R.</b>	20	6	3 Long pile of three-pile dolphin.	
13196	<i>Canoe Pass Buoy T14.</i>	49° 02.3' N 123° 15.4' W	<b>Fl.R.</b> period 4s			Red buoy.	
	RACON		<b>K(- • -)</b>		15		(3 & 10cm).
13214 G 5161	International Boundary, B.	49° 00.1' N 123° 05.6' W	<b>Fl.Y.</b> period 4s	15	5	3 Pile dolphin, yellow diamond daymark.	
13216 G 5160.1	-C.	49° 00.1' N 123° 02.0' W	<b>Fl.Y.</b> period 4s	25	8	3 Concrete structure.	
13220 G 5160	-D.	49° 00.1' N 123° 01.2' W	<b>Fl.Y.</b> period 4s	36	11	3 Concrete structure, yellow diamond daymark.	
13220.1 G 5160.2	-E.	49° 00.1' N 122° 58.4' W	<b>Fl.Y.</b> period 4s	15	5	3 Pile dolphin, yellow diamond daymark.	
13220.2 G 5160.3	-F.	49° 00.1' N 122° 55.5' W	<b>Fl.Y.</b> period 4s	15	5	3 Pile structure, yellow diamond daymark.	
13220.3 G 5160.9	-G.	49° 00.1' N 122° 52.6' W	<b>Fl.Y.</b> period 4s	15	5	3 Pile structure, yellow diamond daymark.	

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<b>BRITISH COLUMBIA-CANADA</b>							
13220.4 G 5160.95	-H.	49° 00.1' N 122° 49.8' W	<b>Fl.Y.</b> period 4s	15 5	3	Pile structure, yellow diamond daymark.	
13220.5 G 5413.21	-Kirkland Island West, N. side of island.	49° 06.7' N 123° 06.1' W	<b>Fl.(3)R.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	16 5	5	White square skeleton tower, red upper portion.	
13221 G 5413.24	-Kirkland Island, breakwater.	49° 06.9' N 123° 05.1' W	<b>Q.R.</b>	30 9	4	Mast, red and white triangular daymark point up.	
13222 G 5413.22	-Kirkland Island Range, front.	49° 06.8' N 123° 05.1' W	<b>F.Y.</b>	28 8	10	Square skeleton tower, white trapezoidal daymark, red stripe, on nine-pile dolphin.	
13223 G 5413.23	--Rear, about 270 meters 221°10' from front.	49° 06.8' N 123° 05.2' W	<b>F.Y.</b>	48 15	10	Square skeleton tower, white trapezoidal daymark, red stripe, on six-pile dolphin.	
13223.1 G 5413.3	Tilbury Range 2, front.	49° 09.0' N 123° 02.3' W	<b>Q.Y.</b>	36 11	13	Pile dolphin, white trapezoidal daymark, red stripe.	Shown 24 hours.
13223.2 G 5413.31	-Rear, 297 meters 041°10' from front.	49° 09.1' N 123° 02.2' W	<b>Iso.Y.</b> period 2s	62 19	15	Cylindrical tower, white trapezoidal daymark, red stripe.	Shown 24 hours.
13223.5 G 5413.47	Shoal Point, E. end of trifurcation wall.	49° 11.7' N 122° 54.9' W	<b>Q.G.</b>	10 3	4	Mast on three-pile dolphin.	
13224 G 5160.96	International Boundary I.	49° 00.1' N 122° 46.9' W	<b>Fl.Y.</b> period 4s	42 13	3	Concrete structure, yellow diamond daymark.	
13232 G 5150	Crescent Beach.	49° 00.7' N 122° 56.4' W	<b>Fl.R.</b> period 4s	22 7	5	Mast, red and white triangular daymark point up, on pile dolphin.	
13236 G 5150.5	Crescent Channel.	49° 03.2' N 122° 53.8' W	<b>Q.R.</b>	14 4	3	Three-pile dolphin, red and white triangular daymark point up.	
13238 G 5149.5	White Rock Breakwater.	49° 01.0' N 122° 48.5' W	<b>Fl.W.</b> period 4s	15 5	5	Three-pile dolphin.	
13240 G 5396	Tsawwassen Ferry, breakwater.	49° 00.1' N 123° 07.7' W	<b>Q.R.</b>	26 8	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13244 G 5397	-S., off south breakwater.	49° 00.2' N 123° 08.0' W	<b>V.Q.Y.</b>			Dolphin.	<b>Horn:</b> 1 bl. ev. 20s (bl. 1s, si. 19s). Operated for ferry movements only. Private light. <b>Radar reflector.</b>
13244.5 G 5398.6	Tsawwassen.	49° 00.5' N 123° 08.6' W	<b>Fl.Y.</b> period 4s	30 9			Private light. <b>Radar reflector.</b>
13248 G 5499	Clarke Rock.	49° 13.5' N 123° 56.5' W	<b>Fl.G.</b> period 4s	16 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13252 G 5498	Hudson Rocks.	49° 13.4' N 123° 55.7' W	<b>Fl.W.</b> period 4s	30 9	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13256 G 5489	Snake Island.	49° 13.0' N 123° 53.4' W	<b>Fl.W.</b> period 4s	32 10	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13260 G 5496	Jesse Island.	49° 12.5' N 123° 56.6' W	<b>Q.R.</b>	24 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13264 G 5490	Descanso Bay.	49° 10.6' N 123° 52.2' W	<b>Fl.W.</b> period 4s	18 5	6	White cylindrical tower.	<b>Radar reflector.</b>
<b>NANAIMO HARBOR:</b>							
13268 G 5492	-Gallows Point.	49° 10.2' N 123° 55.1' W	<b>Iso.W.</b> period 2s	24 7	12	White cylindrical tower, red upper portion.	Shown 24 hours. <b>Radar reflector.</b>
13272 G 5491	-Jack Point.	49° 10.0' N 123° 53.6' W	<b>Fl.G.</b> period 4s	15 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
13276 G 5493	-S. side of entrance to harbor.	49° 09.9' N 123° 55.0' W	<b>Q.G.</b>		26 8	4 White cylindrical tower, green upper portion, on three-pile dolphin.	<b>Radar reflector.</b>
13284 G 5493.5	<b>-Colliery Range, front.</b>	49° 09.9' N 123° 55.8' W	<b>Iso.G.</b> period 1.5s		48 14	16 Mast, red trapezoidal daymark, white stripe.	Shown 24 hours.
13288 G 5493.51	--Rear, 106.7 meters 254°45' from front.	49° 09.9' N 123° 55.9' W	<b>Iso.G.</b> period 2s		77 23	17 Mast, red trapezoidal daymark, white stripe.	Shown 24 hours.
13289 G 5494.44	-Gabriola Ferry Landing, off W. head.	49° 10.0' N 123° 55.8' W	<b>F.Y.</b>				
13290 G 5494.5	-Ferry terminal.	49° 10.0' N 123° 55.8' W	<b>Q.W.R.G.</b>		20 6		R. 250°-257°, W.-270°30', G.-278°. Private light.
13300 G 5488	<b>Entrance Island.</b>	49° 12.6' N 123° 48.5' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s		62 19	15 White cylindrical tower.	
13304 G 5485	Thrasher Rock.	49° 09.0' N 123° 38.5' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s		36 11	7 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
	RACON		<b>X(- • • -)</b>				(3 & 10cm).
13308 G 5486.2	Silva Bay.	49° 09.2' N 123° 41.5' W	<b>Fl.G.</b> period 4s		15 5	4 Mast, black, white and green square daymark.	
13312 G 5486	Tugboat Island.	49° 08.9' N 123° 41.1' W	<b>Fl.W.</b> period 4s		20 6	5 White cylindrical tower.	<b>Radar reflector.</b>
13316 G 5486.4	Breakwater Island.	49° 07.8' N 123° 41.0' W	<b>Fl.R.</b> period 4s		20 6	4 Mast.	
13320 G 5486.5	Rogers Reef.	49° 07.9' N 123° 41.4' W	<b>Q.W.</b>		20 6	5 White cylindrical tower.	<b>Radar reflector.</b>
13324 G 5486.44	Gabriola Passage, E.	49° 07.5' N 123° 41.3' W	<b>Fl.G.</b> period 4s		17 5	4 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13328 G 5486.8	Dibuxante Point.	49° 07.6' N 123° 43.0' W	<b>Q.R.</b>		21 6	4 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13332 G 5390	Joan Point, W. side of Dodd Narrows.	49° 08.1' N 123° 49.1' W	<b>Q.W.</b>		29 9	5 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13336 G 5388	Danger Reefs.	49° 03.2' N 123° 42.9' W	<b>Q.W.</b>		22 7	5 White cylindrical tower.	0.5 mile berth should be given when passing southward. <b>Radar reflector.</b>
13340 G 5386	Coffin Island.	48° 59.1' N 123° 45.2' W	<b>Fl.W.</b> period 4s		19 6	6 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13344 G 5382	Preedy Harbor.	48° 58.1' N 123° 41.0' W	<b>Q.R.</b>		17 5	4 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13348 G 5382.2	Hudson Island.	48° 58.0' N 123° 40.5' W	<b>Fl.R.</b> period 4s		16 5	4 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13352 G 5383	Alarm Rock.	48° 57.5' N 123° 40.5' W	<b>Fl.(2)W.</b> period 6s		17 5	5 White cylindrical tower.	<b>Radar reflector.</b>
BARE POINT:							
13356 G 5384	Bare Point, Chemainus Bay.	48° 55.8' N 123° 42.4' W	<b>Fl.G.</b> period 4s		31 9	5 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13360 G 5385	-Chemainus Bay Range, front, N. end of wharf.	48° 55.5' N 123° 42.8' W	<b>F.G.</b>		27 8	13 Square skeleton tower, red trapezoidal daymark, white stripe.	
13364 G 5385.1	--Rear, 226 meters 198°50' from front.	48° 55.3' N 123° 42.9' W	<b>F.G.</b>		45 14	13 Tripod skeleton tower, red trapezoidal daymark, white stripe.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
13368 G 5378	North Reef, E. side of Stuart Channel.	48° 54.9' N 123° 37.6' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	22 7	7	White cylindrical tower.	<b>Radar reflector.</b>
13372 G 5374	Crofton, on SE. Shoal Island.	48° 52.8' N 123° 37.8' W	<b>Fl.W.</b> period 4s	19 6	6	White cylindrical tower.	<b>Radar reflector.</b>
13380 G 5376.5	Grave Point.	48° 50.9' N 123° 35.6' W	<b>Fl.G.</b> period 4s	17 5	4	Mast.	
13384 G 5376.6	Octopus Point.	48° 47.9' N 123° 33.8' W	<b>Fl.G.</b> period 4s	20 6	4	White mast.	
13388 G 5348	Burial Island.	48° 46.2' N 123° 33.8' W	<b>Q.R.</b>	30 9	3	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13392 G 5346.4	Separation Point.	48° 44.6' N 123° 34.2' W	<b>Fl.W.</b> period 4s	20 6	7	White cylindrical tower.	<b>Radar reflector.</b>
13396 G 5346	Patey Rock, entrance to Saanich Inlet.	48° 42.0' N 123° 31.3' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13398 G 5349	Wain Rock.	48° 41.2' N 123° 29.4' W	<b>Fl.G.</b> period 4s	23 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13399 G 5349.5	Patricia Bay Breakwater.	48° 39.2' N 123° 27.0' W	<b>Fl.R.</b> period 4s	17 5	4	Mast, red and white triangular daymark point up.	
13400 G 5350	Senanus Island.	48° 35.6' N 123° 29.2' W	<b>Fl.W.</b> period 4s	28 8	6	White cylindrical tower.	<b>Radar reflector.</b>
13408 G 5394	-Race Point, Galiano Island Range, front.	49° 00.8' N 123° 35.2' W	<b>F.Y.</b>	23 7	10	White cylindrical tower.	
13412 G 5394.1	--Virago Point, rear, 445.2 meters 196°07' from front.	49° 00.5' N 123° 35.3' W	<b>F.Y.</b>	34 10	10	White square tower.	
13416 G 5394.4	-Virago Rock.	49° 00.8' N 123° 35.6' W	<b>Q.W.R.</b>	22 7	4	White cylindrical tower, green upper portion.	R. 024°-229°, W.-024°. <b>Radar reflector.</b>
13420 G 5379.4	Norway Island.	48° 58.9' N 123° 37.6' W	<b>Fl.Y.</b> period 4s	10 3		Mast.	Maintained Apr. 30 to Oct. 1. Private light.
13424 G 5379.2	Jackscrew Island.	48° 57.0' N 123° 35.2' W	<b>Fl.W.</b> period 4s	19 6	6	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13428 G 5379	Southey Point, N. extremity of Saltspring Island.	48° 56.7' N 123° 35.8' W	<b>Q.W.</b>	20 6	6	White cylindrical tower.	<b>Radar reflector.</b>
13432 G 5378.6	Grappler Rock.	48° 56.3' N 123° 36.2' W	<b>Fl.R.</b> period 4s	20 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13436 G 5380	Walker Rock.	48° 55.4' N 123° 29.7' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	24 7	7	White cylindrical tower.	<b>Radar reflector.</b>
			<b>Dir.W.R.G.</b>	23 7	7		F.G. 082°-088°, F.W.-092°, F.R.-099°.
13440 G 5381	Saltspring Island.	48° 55.4' N 123° 33.2' W	<b>Dir.W.R.G.</b>	21 6	8	White cylindrical tower.	F.R. 264°-268°, F.W.-272°, F.G.-276°. <b>Radar reflector.</b>
13448 G 5366	Philimore Point.	48° 52.3' N 123° 23.5' W	<b>Q.R.</b>	24 7	3	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13456 G 5369	Peile Point.	48° 51.0' N 123° 24.3' W	<b>Fl.W.</b> period 4s	25 8	7	White cylindrical tower.	<b>Radar reflector.</b>
13460 G 5370	Nose Point.	48° 50.5' N 123° 25.2' W	<b>Q.W.</b>	28 8	6	White cylindrical tower.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-CANADA</b>							
13464 G 5370.4	Long Harbor, on rock.	48° 51.1' N 123° 26.5' W	<b>Q.R.</b>	19	6	2 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13472 G 5371	Ganges Harbor.	48° 50.2' N 123° 27.2' W	<b>Fl.R.</b> period 4s	27	8	4 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13476 G 5372	-Grace Islet.	48° 51.1' N 123° 29.6' W	<b>Fl.G.</b> period 4s	28	8	4 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
ACTIVE PASS:							
13480 G 5360	<b>-Georgina Point.</b>	48° 52.4' N 123° 17.5' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	57	17	17 White cylindrical tower.	<b>Radiobeacon.</b>
13488 G 5362	-Mary Anne Point.	48° 51.7' N 123° 18.8' W	<b>Q.W.</b>	25	8	6 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13492 G 5365	-Galiano Island.	48° 51.7' N 123° 20.9' W	<b>Q.G.</b>	21	6	4 White square skeleton tower, green upper portion.	
13496 G 5364	-Helen Point.	48° 51.5' N 123° 20.7' W	<b>Q.W.</b>	23	7	6 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13500 G 5367	Enterprise Reef.	48° 50.7' N 123° 20.9' W	<b>Q.R.</b>	19	6	4 White cylindrical tower, red upper portion, on four-pile dolphin.	<b>Radar reflector.</b>
			<b>F.W.R.</b>	11	3		W. 107°30'-110°, R.-121°, W.-123°30'.
13504 G 5368	Portlock Point, E. extremity of Prevost Island.	48° 49.7' N 123° 21.1' W	<b>Q.W.</b>	51	16	7 White tower.	
13508 G 5373	Conconi Reef.	48° 49.4' N 123° 17.5' W	<b>Q.W.</b>	20	6	5 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13509 G 5368.5	Port Washington, Boat Island.	48° 48.7' N 123° 19.4' W	<b>Fl.(2)R.</b> period 6s	23	7	3 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13510 G 5359.5	Fane Island.	48° 48.4' N 123° 16.1' W	<b>Fl.G.</b> period 4s	26	8	3 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13512 G 5356	Channel Islands.	48° 48.1' N 123° 22.9' W	<b>Fl.W.</b> period 4s	29	9	7 White cylindrical tower.	<b>Radar reflector.</b>
13520 G 5355.4	Mouat Point.	48° 46.2' N 123° 18.8' W	<b>Fl.R.</b> period 4s	22	7	6 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13524 G 5354	Canoe Rock.	48° 43.6' N 123° 20.4' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	19	6	6 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
<b>BRITISH COLUMBIA-WASHINGTON</b>							
13528 G 5353	Kanaka Bluff.	48° 43.6' N 123° 23.2' W	<b>Fl.W.</b> period 4s	25	8	6 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13532 G 5352	Fulford Harbor.	48° 46.2' N 123° 27.1' W	<b>Fl.W.</b> period 4s				Private light.
13536 G 5351.6	-Jackson Rock.	48° 45.3' N 123° 26.1' W	<b>Q.R.</b>	19	6	4 White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13540 G 5351	Isabella Island.	48° 43.7' N 123° 25.8' W	<b>Q.W.</b>	28	8	5 White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13544 G 5345.9	Shute Reef.	48° 42.6' N 123° 25.9' W	<b>Q.R.</b>	23	7	4 White cylindrical tower.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-WASHINGTON</b>							
13548 G 5345.8	Colburne Passage South.	48° 41.8' N 123° 25.5' W	<b>Fl.G.</b> period 4s	15 4	3	White cylindrical tower, green upper portion, on four-pile dolphin.	
13556 G 5345.2	Coal Island, on Fir Cone Point.	48° 41.5' N 123° 23.3' W	<b>Fl.G.</b> period 4s	24 7	4	White cylindrical tower, green upper portion.	
13560 G 5343.5	Fernie Island.	48° 40.7' N 123° 23.5' W	<b>Fl.G.</b> period 4s	22 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13564 G 5344.6	Tsehum Harbor.	48° 40.3' N 123° 24.2' W	<b>Fl.R.</b> period 4s	16 5	3	Platform attached to long pile of three-pile dolphin, red and white triangular daymark point up.	
13565 G 5344.62	-Entrance.	48° 40.3' N 123° 24.3' W	<b>Q.R.</b>	12 4	3	Pile, red and white triangular daymark point up.	
13566 G 5344.61	-Breakwater.	48° 40.3' N 123° 24.2' W	<b>Fl.G.</b>				Private light.
13568 G 5344.7	Blue Heron Basin Entrance.	48° 40.4' N 123° 24.7' W	<b>Fl.W.</b> period 4s	15 5	3	Three-pile dolphin, black, white and green square daymark.	
13572 G 5344.74	Blue Heron Basin.	48° 40.4' N 123° 25.1' W	<b>Q.G.</b>	12 4	2	Three-pile dolphin, black, white and green square daymark.	
13576 G 5345.3	Goudge Island.	48° 41.3' N 123° 23.8' W	<b>Fl.W.</b> period 4s	19 6	5	White cylindrical tower.	<b>Radar reflector.</b>
13580 G 5345.7	Clive Island, on rock SE. of Piers Island.	48° 42.1' N 123° 24.3' W	<b>Q.G.</b>	17 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13584 G 5152	<b>Point Roberts.</b>	48° 58.3' N 123° 05.0' W	<b>Fl.(2)W.</b> period 15s fl. 0.1s, ec. 4.9s fl. 0.1s, ec. 9.9s	30 9	15	Skeleton tower, red and white diamond daymark; 25.	
13588 G 5142	Patos Island (U.S.), NW. end of larger island, N. entrance to Haro Strait.	48° 47.3' N 122° 58.3' W	<b>Fl.W.R.</b> period 6s	52 16	W. 8 R. 6	White square tower, on building.	R. 011°30'-059°30' covers six-fathom shoal. R. 097°-114° covers Rosenfield Rock.
13592 G 5359	Croker Point.	48° 46.5' N 123° 12.1' W	<b>Fl.R.</b> period 4s fl. 0.5s, ec. 3.5s	15 5	4	Mast, red and white triangular daymark point up.	
13596 G 5358	<b>Saturna Island.</b>	48° 47.0' N 123° 02.7' W	<b>Fl.W.</b> period 15s fl. 0.1s, ec. 14.9s	121 37	17	Red square skeleton tower.	
			<b>F.R.</b>	102 31	8		Visible 156°-211°30'.
13600 G 5140	Skipjack Island (U.S.), NW. end.	48° 44.0' N 123° 02.3' W	<b>Fl.W.</b> period 4s	59 18	6	Skeleton tower, white and black diamond daymark.	Obscured 261°-347°.
13604 G 5357.4	Gowlland Point.	48° 44.1' N 123° 11.0' W	<b>Fl.W.</b> period 4s	35 11	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>

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#### BRITISH COLUMBIA-CANADA

13608 G 5357	Hay Point, Bedwell Harbor.	48° 44.7' N 123° 13.8' W	<b>Q.R.</b>	21 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
HARO STRAIT:							
13612 G 5340	-Turn Point (U.S.), NW. end of Stuart Island.	48° 41.0' N 123° 14.0' W	<b>Fl.W.</b> period 2.5s	44 13	8	White concrete tower.	Obscured 260°30'-357°.
13616 G 5339	-Tom Point.	48° 39.7' N 123° 16.4' W	<b>Fl.W.G.</b> period 4s	21 6	7	White cylindrical tower, green upper portion.	G.171°-181°, W.-171°. <b>Radar reflector.</b>
13617 G 5339.4	-Mandarte Island North.	48° 38.3' N 123° 17.9' W	<b>Fl.G.</b> period 4s	18 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13617.3 G 5341	-Forrest Island.	48° 39.3' N 123° 19.4' W	<b>Fl.R.</b> period 4s	27 8	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13620 G 5340.4	-Arachne Reef.	48° 41.1' N 123° 17.6' W	<b>Fl.(2+1)G.</b> period 6s	19 6	6	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13624 G 5338	-Kellett Bluff (U.S.), SW. side of Henry Island.	48° 35.3' N 123° 12.1' W	<b>Fl.W.</b> period 4s	80 24	7	Skeleton tower, white and black diamond daymark.	
13628 G 5337	Kelp Reefs.	48° 32.9' N 123° 14.2' W	<b>Q.W.</b>	35 11	10	White cylindrical tower.	
13632 G 5336	-Zero Rock.	48° 31.4' N 123° 17.5' W	<b>Fl.W.</b> period 4s	28 8	7	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13636 G 5335	<b>-Lime Kiln.</b>	48° 31.0' N 123° 09.1' W	<b>Fl.W.</b> period 10s	55 17	17	Octagonal tower attached to building; 38.	
13640 G 5340.6	Point Fairfax.	48° 42.0' N 123° 17.9' W	<b>Fl.(3)W.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	29 9	7	White cylindrical tower.	<b>Radar reflector.</b>
13644 G 5342.4	Little Group Rock.	48° 40.6' N 123° 22.1' W	<b>Fl.W.</b> period 4s	16 5	6	White cylindrical tower.	<b>Radar reflector.</b>
13647 G 5344.56	Roberts Bay.	48° 40.0' N 123° 23.5' W	<b>Fl.G.</b> period 4s	29 9	4	Square skeleton tower, black, white and green square daymarks.	
-Sidney channel:							
13648 G 5342	--Dock Island.	48° 40.3' N 123° 21.4' W	<b>Q.G.</b>	37 11	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13652 G 5341.4	--Sidney Spit.	48° 39.2' N 123° 20.8' W	<b>Fl.(3)R.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	23 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13654 G 5341.6	--Sidney Breakwater.	48° 39.2' N 123° 23.5' W	<b>Fl.R.</b> period 4s	21 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13664 G 5345	-James Island.	48° 37.0' N 123° 22.8' W	<b>Fl.W.</b> period 4s	16 5	4	Mast on three-pile dolphin.	
13672 G 5337.5	--D'Arcy Island.	48° 33.9' N 123° 17.1' W	<b>Fl.R.</b> period 4s	26 8	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13680 G 5334.5	-Baynes Channel.	48° 27.0' N 123° 15.8' W	<b>Q.G.</b>	21 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13684 G 5334	<b>Discovery Island.</b>	48° 25.5' N 123° 13.5' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	93 28	15	Cylindrical tower.	

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<b>BRITISH COLUMBIA-CANADA</b>							
13688 G 5330	Lewis Reef.	48° 25.5' N 123° 16.8' W	<b>Q.R.</b>	22 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13692 G 5332	Fiddle Reef.	48° 25.8' N 123° 17.0' W	<b>Q.W.R.</b>	23 7	7	White cylindrical tower.	R. 170°30'-216°, W.-013°20', R.-062°, W.-170°30'. <b>Radar reflector.</b>
13696 G 5333	Mary Tod Island, breakwater.	48° 25.5' N 123° 17.9' W	<b>Fl.R.</b> period 4s	20 6	4	Mast.	
13700 G 5328	Trial Islands.	48° 23.7' N 123° 18.3' W	<b>Fl.G.</b> period 5s fl. 0.1s, ec. 4.9s	93 28	13	White cylindrical tower.	
13704 G 5310	-Brotchie Ledge.	48° 24.4' N 123° 23.3' W	<b>Fl.G.</b> period 4s	39 12	7	White cylindrical tower, green upper portion.	
VICTORIA:							
13708 G 5312	-Ogden Point, breakwater.	48° 24.8' N 123° 23.6' W	<b>Q.R.</b>	40 12	9	White tower, red upper portion.	
13712 G 5312.4	-Berens Island.	48° 25.4' N 123° 23.6' W	<b>Q.G.</b>	20 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
	-AVIATION LIGHT.		<b>Q.W.</b>				Operates for 60 seconds. Activated by the Flight Services Station for aircraft landings and take-offs.
13716 G 5320	-Shoal Point, W. of shoal.	48° 25.4' N 123° 23.3' W	<b>Q.R.</b>	19 6	3	White cylindrical tower, red upper portion, on 19-pile dolphin.	<b>Radar reflector.</b>
	-AVIATION LIGHT.		<b>Q.W.</b>				Operates for 60 seconds. Activated by the Flight Services Station for aircraft landings and take-offs.
13720 G 5322	-Pelly Island.	48° 25.5' N 123° 23.1' W	<b>Fl.G.</b> period 4s	19 6	3	White cylindrical tower, green upper portion.	
	-AVIATION LIGHT.		<b>Q.W.</b>				Operates for 60 seconds. Activated by the Flight Services Station for aircraft landings and take-offs.
13724 G 5324	-Laurel Point.	48° 25.5' N 123° 22.6' W	<b>Q.R.</b>	18 6	3	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
	-AVIATION LIGHT.		<b>Q.W.</b>				Operates for 60s. Activated by the Flight Services Station for aircraft landings and take-offs.
13728 G 5325	-Tuzo Rock.	48° 25.5' N 123° 22.5' W	<b>Q.G.</b>	19 6	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13730 G 5326.5	-Point Hope Maritime Shipyard.	48° 25.9' N 123° 22.5' W	<b>Fl.W.</b>				Private light.
13732	Victoria Harbor Buoy VH.	48° 22.5' N 123° 23.6' W	<b>Fl.Y.</b> period 4s			Yellow buoy.	
	RACON		<b>K(- • -)</b>				

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
ESQUIMALT:							
13736 G 5307	-Scroggs Rocks.	48° 25.6' N 123° 26.3' W	<b>Fl.R.</b> period 4s	20 6	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13740 G 5306	-Fisgard Island.	48° 25.8' N 123° 26.9' W	<b>Iso.W.R.</b> period 2s	71 22		White cylindrical tower. Floodlit.	R. 195°-332°, W.-195°. Shown 24 hours.
13744 G 5308	-Inskip Islands Range, front.	48° 26.5' N 123° 26.3' W	<b>F.Y.</b>	19 6	10	White mast, white trapezoidal daymark, red stripe.	
13748 G 5308.1	--Rear, 91 meters 015° from front.	48° 26.6' N 123° 26.3' W	<b>F.Y.</b>	35 11	10	White tripod skeleton tower, white trapezoidal daymark, red stripe.	
<b>BRITISH COLUMBIA-WASHINGTON</b>							
13760 G 5300	<b>Race Rocks.</b>	48° 17.9' N 123° 31.9' W	<b>Fl.W.</b> period 10s fl. 0.3s, ec. 9.7s	118 36	19	Cylindrical tower, black and white bands.	<b>Horn:</b> 3 bl. ev. 60s (bl. 2s, si. 3s, bl. 2s, si. 3s, bl. 2s, si. 48s). Horn points 155°.
13764 G 4772	<b>New Dungeness.</b>	48° 10.9' N 123° 06.6' W	<b>Fl.W.</b> period 5s	67 20	18	White conical tower, on dwelling; 67.	
13768 G 4768	<b>Ediz Hook.</b>	48° 08.4' N 123° 24.1' W	<b>Al.Fl.(2)W.G.</b> period 10s G. fl. 0.1s, ec. 2.4s W. fl. 0.1s, ec. 2.4s W. fl. 0.1s, ec. 4.9s	50 15	W. 18 G. 16	Skeleton tower.	<b>Horn:</b> (about 600 yards E.) 1 bl. ev. 30s (bl. 3s, si. 27s). Horn operates for 30 minutes when microphone is keyed 5 consecutive times on VHF-FM channel 83A (157.175 MHz).
SOOKE HARBOR							
13772 G 5296	Whiffin Spit.	48° 21.5' N 123° 42.7' W	<b>Q.W.</b>	22 7	7	White cylindrical tower, green upper portion.	<b>Horn:</b> 1 bl. ev. 30s (bl. 3s, si. 27s). Operates on request only.
13776 G 5296.2	-Harbor Outer Range, front.	48° 21.6' N 123° 42.4' W	<b>F.Y.</b>	9 3	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13780 G 5296.21	--Rear, 101 meters 049° 44' from front.	48° 21.6' N 123° 42.3' W	<b>F.Y.</b>	19 6	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13784 G 5296.3	-Harbor Inner Range, front.	48° 21.8' N 123° 42.6' W	<b>F.Y.</b>	9 3	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13788 G 5296.31	--Rear, 45 meters 007° 38' from front.	48° 21.8' N 123° 42.6' W	<b>F.Y.</b>	16 5	9	Pile dolphin, white trapezoidal daymark, red stripe.	
13800 G 5292	Sheringham Point.	48° 22.6' N 123° 55.2' W	<b>Fl.G.</b> period 15s	72 22	9	White hexagonal tower; 64.	
13816 G 4756	Cape Flattery.	48° 23.5' N 124° 44.2' W	<b>Fl.(2)W.</b> period 20s	112 34	14	Skeleton tower; 30.	
13820 G 5288	<b>Carmanah Point.</b>	48° 36.7' N 124° 45.1' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	182 56	19	White octagonal tower.	
13824 G 5287	Clo-oose.	48° 39.6' N 124° 49.7' W	<b>Fl.(2)W.</b> period 5s		2	Mast.	Private light.
13828 G 5280	Pachena Point.	48° 43.3' N 125° 05.8' W	<b>Fl.(2)W.</b> period 7.5s fl. 0.4s, ec. 1.2s fl. 0.4s, ec. 5.5s	154 47	14	White cylindrical tower.	

For other lights of the U.S., see the U.S. Coast Guard Light Lists.

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**BRITISH COLUMBIA-WASHINGTON**

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BARKLEY SOUND:

13832 -Seabird Rocks. 48° 45.1' N **Fl.W.** 66 6 White cylindrical tower, red **Radar reflector.**  
*G 5279* 125° 09.3' W period 4s 20 upper portion.  
 fl. 0.5s, ec. 3.5s

13836 -**Cape Beale**, entrance to 48° 47.2' N **Fl.W.** 167 16 Red skeleton tower, white  
*G 5256* sound, SE. point. 125° 12.9' W period 5s 51 rectangular daymarks on  
 fl. 0.2s, ec. 4.8s three sides.

-Trevor Channel:

13840 --Bordelais Islets, on largest 48° 49.1' N **Fl.W.** 93 7 White cylindrical tower, green **Radar reflector.**  
*G 5257* islet. 125° 13.9' W period 4s 28 upper portion.

13848 --Trevor Channel Entrance. 48° 48.7' N **Dir.W.R.G.** 44 8 White cylindrical tower. F.R. 064°30'-068°30', F.W.-  
*G 5256.4* 125° 10.9' W 13 076°30', F.G.-080°30'.  
**Fl.R.** 54 5 Visible 360°.  
 period 4s 17

13852 --Aguilar Point. 48° 50.4' N **Q.W.R.** 16 4 White cylindrical tower, red W. 055°30'-058°.  
*G 5258* 125° 08.5' W 5 upper portion.

13856 --Wizard Islet. 48° 51.5' N **Fl.(2)W.** 16 6 White mast.  
*G 5259* 125° 09.6' W period 6s 5  
 fl. 0.5s, ec. 1s  
 fl. 0.5s, ec. 4s

13860 --San Jose Islets, on westerly 48° 54.1' N **Fl.W.** 25 7 White cylindrical tower, red **Radar reflector.**  
*G 5260* islet. 125° 03.5' W period 4s 8 upper portion.

13864 --Assits Island, W. extremity. 48° 56.3' N **Q.R.** 14 4 White cylindrical tower, red **Radar reflector.**  
*G 5261* 125° 01.9' W 4 upper portion.

-Alberni Inlet:

13868 --Chup Point, E. side. 48° 57.3' N **Fl.G.** 14 4 White cylindrical tower, green **Radar reflector.**  
*G 5262* 125° 01.7' W period 4s 4 upper portion.

13872 --Limestone Islet. 48° 58.9' N **Q.W.** 28 6 White cylindrical tower. **Radar reflector.**  
*G 5262.6* 124° 58.4' W 8

13876 --Star Point, S. side, opposite 48° 58.6' N **Fl.W.** 17 5 White cylindrical tower, red **Radar reflector.**  
*G 5263* Handy Creek. 124° 56.8' W period 4s 5 upper portion.

For other lights of the U.S., see the U.S. Coast Guard Light Lists.

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**BRITISH COLUMBIA-CANADA**

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BARKLEY SOUND:

-Alberni Inlet:

13880 --Pocahontas Point. 48° 59.0' N **Q.G.** 20 4 White cylindrical tower, green **Radar reflector.**  
*G 5264* 124° 55.1' W 6 upper portion.

13884 --Spencer Creek. 48° 59.3' N **Fl.R.** 17 4 Mast, red and white triangular  
*G 5264.4* 124° 53.5' W period 4s 5 daymark point up.

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
13888 G 5265	--Bilton Point.	49° 00.7' N 124° 52.3' W	<b>Fl.W.</b> period 4s	22 7	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13892 G 5266	--Ten Mile Point.	49° 03.6' N 124° 50.5' W	<b>Fl.R.</b> period 4s	27 8	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13896 G 5267	--Hocking Point.	49° 05.3' N 124° 49.9' W	<b>Fl.G.</b> period 4s	29 9	4	White cylindrical mast, green upper portion.	<b>Radar reflector.</b>
13900 G 5268	--Franklin River.	49° 06.2' N 124° 49.3' W	<b>Q.R.</b>	25 8	5	White cylindrical tower, red upper portion, on nine-pile dolphin.	<b>Radar reflector.</b>
13904 G 5269	--Macktush Creek.	49° 06.6' N 124° 49.3' W	<b>Q.G.</b>	26 8	4	White cylindrical tower, green band at top, on nine-pile dolphin.	<b>Radar reflector.</b>
13908 G 5270	--Dunsmuir Point.	49° 09.2' N 124° 48.5' W	<b>Fl.W.</b> period 4s	22 7	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13912 G 5271	--Stamp Narrows.	49° 11.0' N 124° 49.3' W	<b>Q.G.</b>	28 9	4	White cylindrical tower, green band at top, on three-pile dolphin.	<b>Radar reflector.</b>
13916 G 5272	--Lone Tree Point.	49° 11.0' N 124° 49.0' W	<b>Q.R.</b>	25 8	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13920 G 5273	--Polly Point.	49° 13.0' N 124° 49.0' W	<b>Fl.R.</b> period 4s	14 4	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13924 G 5274	--Hohm Island.	49° 13.7' N 124° 49.5' W	<b>Fl.W.</b> period 4s	27 8	5	White cylindrical tower.	<b>Radar reflector.</b>
13928 G 5276	--Alberni.	49° 14.3' N 124° 49.3' W	<b>Fl.G.</b> period 4s	13 4	4	Green mast, two black and white square daymarks, on three-pile dolphin.	
13932 G 5277	--Somass River.	49° 14.7' N 124° 49.5' W	<b>Q.G.</b>	24 7	3	White cylindrical tower, green upper portion, on five-pile dolphin.	<b>Radar reflector.</b>
13936 G 5255	-Pill Point.	48° 57.9' N 125° 04.9' W	<b>Fl.R.</b> period 4s	36 11	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13940 G 5254.5	-Baeria Rocks.	48° 57.0' N 125° 09.3' W	<b>Fl.W.</b> period 4s	40 12	5	White mast.	
13944 G 5254.1	-Prideaux Island, Sechart Channel.	48° 56.6' N 125° 16.2' W	<b>Fl.G.</b> period 4s	17 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13948 G 5254	-Swale Rock, E. entrance to Sechart Channel, S. side.	48° 55.5' N 125° 13.3' W	<b>Fl.(3)W.</b> period 12s	30 9	5	White cylindrical tower.	<b>Radar reflector.</b>
13952 G 5253.5	-Folger Island.	48° 49.8' N 125° 15.0' W	<b>Fl.(3)R.</b> period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	132 40	5	White cylindrical tower.	<b>Radar reflector.</b>
13956 G 5254.2	-Hand Island.	48° 57.1' N 125° 18.5' W	<b>Fl.W.</b> period 4s	10 3	5	White mast.	
13960 G 5252	-Hand Island Passage.	48° 56.7' N 125° 19.6' W	<b>Q.W.</b>	30 9	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13964 G 5254.3	-Lyllal Point.	48° 58.2' N 125° 19.4' W	<b>Q.R.</b>	29 9	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-CANADA</b>							
13968 G 5252.2	-Richard Rock.	48° 59.3' N 125° 19.7' W	<b>Fl.G.</b> period 4s fl. 0.5s, ec. 3.5s	23 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13972 G 5252.4	-Shears Island.	49° 00.0' N 125° 19.5' W	<b>Fl.R.</b> period 4s	22 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13976 G 5252.6	-Toquart Bay.	49° 00.7' N 125° 20.4' W	<b>Q.G.</b>	18 6	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13980 G 5251	-Forbes Island.	48° 56.9' N 125° 24.6' W	<b>Q.R.</b>	42 13	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
13984 G 5250	-Benson Island.	48° 53.1' N 125° 22.7' W	<b>Q.G.</b>	26 8	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
13988 G 5253	-Coaster Channel.	48° 53.0' N 125° 19.2' W	<b>Fl.W.</b> period 4s	19 6	5	White cylindrical tower.	<b>Radar reflector.</b>
13992 G 5249	-Chrow Islands, on N. island.	48° 54.6' N 125° 28.3' W	<b>Fl.W.</b> period 4s	31 10	7	Mast.	
13996 G 5247	-Francis Island.	48° 55.3' N 125° 31.4' W	<b>Fl.(3)W.</b> period 12s	26 8	7	White mast.	
14000 G 5246	<b>-Amphitrite Point.</b>	48° 55.3' N 125° 32.5' W	<b>Fl.W.</b> period 12s fl. 0.2s, ec. 11.8s	50 15	15	White rectangular tower, red top.	Shown 24 hours. <b>Horn:</b> 1 bl. ev. 20s (bl. 2s, si. 18s).
CLAYOQUOT SOUND:							
14004 G 5242	<b>-Lennard Island.</b>	49° 06.6' N 125° 55.4' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	115 35	17	White cylindrical tower, red top.	Shown 24 hours.
14011 G 5241.75	-Wickaninnish Island.	49° 08.5' N 125° 56.0' W	<b>Fl.W.</b> period 4s		4	White mast, green, white and black square daymark.	
14014 G 5241.7	-Tofino, breakwater.	49° 09.3' N 125° 54.0' W	<b>Fl.W.</b> period 4s	19 6	5	Mast, red and white triangular daymark point up.	
14020 G 5241	-Deadman Islands.	49° 09.7' N 125° 54.5' W	<b>Fl.R.</b> period 4s	16 5	4	Mast.	
14024 G 5240.4	-Stockham Island.	49° 10.3' N 125° 54.5' W	<b>Fl.R.</b> period 4s	17 5	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14028 G 5240	-Maurus Channel, on rock E. side of channel.	49° 12.2' N 125° 55.8' W	<b>Fl.R.</b> period 4s	19 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14032 G 5238	-Morfee Island.	49° 13.0' N 125° 57.3' W	<b>Q.W.</b>	27 8	6	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14036 G 5234	-Monks Islet, W. entrance to Calmus Passage, N. side.	49° 13.9' N 126° 01.0' W	<b>Fl.(3)W.</b> period 12s	47 14	7	Mast.	
14040 G 5231	-Tibbs Islet.	49° 13.8' N 126° 06.6' W	<b>Fl.W.</b> period 4s	36 11	7	White mast.	
14044 G 5233	-Marktosis.	49° 16.7' N 126° 03.7' W	<b>Fl.W.</b> period 4s	15 5	5	White cylindrical tower.	<b>Radar reflector.</b>
14048 G 5232	-Matilda Inlet, outer edge of reef, W. side of entrance.	49° 18.2' N 126° 04.4' W	<b>Fl.W.</b> period 4s	17 5	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14052 G 5231.4	-McKay Island.	49° 18.7' N 126° 03.5' W	<b>Fl.R.</b> period 4s	33 10	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>

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<b>BRITISH COLUMBIA-CANADA</b>							
14056 G 5230	-Hayden Passage, on rock in middle of pass.	49° 23.7' N 126° 06.4' W	<b>Fl.R.</b> period 4s	18 6	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14060 G 5229.4	-Clio Island.	49° 23.6' N 126° 11.0' W	<b>Fl.W.</b> period 4s	58 18	5	Mast, red and white triangular daymark point up.	
14064 G 5226.4	-Starling Point.	49° 23.6' N 126° 13.8' W	<b>Q.W.</b>	20 6	4	White cylindrical tower.	<b>Radar reflector.</b>
14068 G 5226.2	-Sharp Point.	49° 20.9' N 126° 15.6' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	93 28	10	White cylindrical tower.	<b>Horn:</b> 1 bl. ev. 30s (bl. 3s, si. 27s).
14070 G 5226	-Mate Island.	49° 21.0' N 126° 16.1' W	<b>Q.W.</b>	31 10	6	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14072 G 5226.6	-Driver Point, entrance to Stewardson Inlet.	49° 26.7' N 126° 16.1' W	<b>Q.W.</b>	22 7	6	White cylindrical tower.	<b>Radar reflector.</b>
14084 G 5224	<b>Estevan Point.</b>	49° 23.0' N 126° 32.7' W	<b>Fl.(2)W.</b> period 15s fl. 0.2s, ec. 4.8s fl. 0.2s, ec. 9.8s	123 38	17	White octagonal tower.	Shown 24 hours.
NOOTKA SOUND:							
14088 G 5219	<b>-Nootka.</b>	49° 35.5' N 126° 36.9' W	<b>Fl.W.</b> period 12s fl. 0.2s, ec. 11.8s	101 31	19	Red square skeleton tower.	Shown 24 hours.
14092 G 5217.4	-Vernaci Island.	49° 38.2' N 126° 35.6' W	<b>Fl.(3)W.</b> period 12s	26 8	5	White mast.	
14096 G 5217	-Boston Point.	49° 39.7' N 126° 36.8' W	<b>Fl.G.</b> period 4s	25 8	4	White cylindrical tower, green upper portion.	
14100 G 5216.4	-Salter Point.	49° 40.9' N 126° 35.2' W	<b>Q.G.</b>	21 6	4	White cylindrical tower, green upper portion.	
14104 G 5215.6	-Jewitt Cove.	49° 41.9' N 126° 36.1' W	<b>Fl.W.</b> period 4s	21 6	5	White mast.	
14108 G 5216	-Canal Island.	49° 41.3' N 126° 35.1' W	<b>Fl.R.</b> period 4s	18 6	4	White cylindrical tower, red upper portion.	
14112 G 5218.3	-San Carlos Point.	49° 41.1' N 126° 31.3' W	<b>Q.W.</b>	20 6	6	White cylindrical tower.	<b>Radar reflector.</b>
14116 G 5220	-Zuciarde Channel, E. side of Bligh Island.	49° 39.1' N 126° 29.0' W	<b>Fl.(3)W.</b> period 12s	21 6	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14120 G 5219.6	-Zuciarde Channel South.	49° 35.7' N 126° 31.3' W	<b>Fl.R.</b> period 4s	31 9	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14124 G 5220.2	-Atrevida Point.	49° 39.2' N 126° 26.5' W	<b>Q.G.</b>	21 6	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14128 G 5220.4	-Gore Island West.	49° 38.9' N 126° 26.0' W	<b>Q.R.</b>	24 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14132 G 5220.6	-Gore Island.	49° 39.3' N 126° 23.6' W	<b>Fl.R.</b> period 4s	21 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14136 G 5221	-Muchalat Inlet.	49° 38.7' N 126° 20.9' W	<b>Q.G.</b>	18 6	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>



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<b>BRITISH COLUMBIA-CANADA</b>							
14140 G 5221.2	--E.	49° 39.1' N 126° 15.8' W	<b>Fl.G.</b> period 4s	18 5	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14144 G 5221.4	--S. shore.	49° 39.2' N 126° 12.9' W	<b>Fl.R.</b> period 4s	23 7	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14148 G 5219.4	-Clerke Peninsula.	49° 36.1' N 126° 32.3' W	<b>Fl.W.</b> period 4s	40 12	5	White mast.	
ESPERANZA INLET:							
14160 G 5204	-Nuchatlitz.	49° 49.2' N 126° 58.9' W	<b>Fl.W.</b> period 4s	37 11	5	White cylindrical tower.	<b>Radar reflector.</b>
14164 G 5206	-Double Island.	49° 50.6' N 126° 59.9' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	33 10	7	White cylindrical tower, green upper portion.	
14168 G 5206.4	-Centre Island.	49° 50.9' N 126° 56.1' W	<b>Fl.R.</b> period 4s	22 7	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14172 G 5206.6	-Ehatisaht, on point.	49° 52.8' N 126° 49.5' W	<b>Fl.W.</b> period 4s	22 7	5	Mast; 7.	
14176 G 5207	-Steamer Point.	49° 53.2' N 126° 47.9' W	<b>Q.W.</b>	18 6	6	White cylindrical tower.	<b>Radar reflector.</b>
14180 G 5207.6	Zeballos Inlet, S.	49° 54.4' N 126° 48.0' W	<b>Fl.G.</b> period 4s	24 7	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14184 G 5209	-N. side.	49° 57.6' N 126° 50.8' W	<b>Q.R.</b>	21 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14188 G 5208	-W. side of inlet, on islet.	49° 56.8' N 126° 49.0' W	<b>Q.W.</b>	43 13	6	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14192 G 5210	Tahsis North Narrows, NE. side.	49° 51.9' N 126° 42.5' W	<b>Q.W.</b>	20 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14196 G 5210.4	-Narrows, S. side.	49° 51.6' N 126° 41.5' W	<b>Fl.(2)W.</b> period 6s	19 6	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14200 G 5211	-Narrows, E. entrance.	49° 51.6' N 126° 40.4' W	<b>Fl.W.</b> period 4s	20 6	5	White cylindrical tower.	<b>Radar reflector.</b>
14208 G 5213	-Santiago.	49° 47.3' N 126° 39.3' W	<b>Fl.W.</b> period 4s	19 6	5	White mast, white, black and green square daymark.	
14212 G 5214	-Tsowwin Narrows, E. side, on spit.	49° 46.6' N 126° 38.6' W	<b>Q.R.</b>	13 4	3	Mast, red and white triangular daymark point up, on nine-pile dolphin.	
14216 G 5214.2	-Tsowwin Narrows West.	49° 46.4' N 126° 38.7' W	<b>Q.G.</b>	19 6	4	White cylindrical tower, green upper portion.	
14220 G 5214.6	-Bodega Island.	49° 44.2' N 126° 37.4' W	<b>Fl.R.</b> period 4s	16 5	4	White mast.	
14224 G 5215	-Princesa Channel, at E. entrance.	49° 43.4' N 126° 37.6' W	<b>Fl.G.</b> period 4s	16 5	4	White cylindrical tower, green upper portion.	
14228 G 5215.4	-Kendrick Inlet.	49° 43.1' N 126° 38.5' W	<b>Fl.W.</b> period 4s	13 4	5	Mast.	
14236 G 5202.6	Rugged Point.	49° 58.2' N 127° 15.1' W	<b>Fl.W.</b> period 4s	46 14	7	Mast, red and white triangular daymark point up.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
TAHSISH INLET:							
14240 G 5203	-Karouk Island, W. side of island.	50° 04.6' N 127° 09.7' W	<b>Fl.W.</b> period 4s	24 7	5	White cylindrical tower.	<b>Radar reflector.</b>
14244 G 5203.2	-Fair Harbor Approach.	50° 04.5' N 127° 09.4' W	<b>Fl.G.</b> period 4s	17 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14248 G 5203.4	-Fair Harbor.	50° 04.1' N 127° 08.6' W	<b>Fl.W.</b> period 4s	29 9	5	White cylindrical tower.	<b>Radar reflector.</b>
14252 G 5202	Amos Island.	50° 00.8' N 127° 21.2' W	<b>Fl.W.</b> period 4s	23 7	3	White cylindrical tower.	<b>Radar reflector.</b>
14254 G 5201	Rolston Island.	50° 01.3' N 127° 22.0' W	<b>Fl.R.</b> period 4s	16 5	3	Mast, red and white triangular daymark point up.	
14256 G 5200	Gayward Rock.	50° 01.3' N 127° 23.5' W	<b>Q.W.</b>	27 8	6	White cylindrical tower.	<b>Radar reflector.</b>
14260 G 5198	Lookout Island.	49° 59.9' N 127° 27.0' W	<b>Fl.G.</b> period 4s	52 16	8	White cylindrical tower, green upper portion.	
14264 G 5194	Solander Island.	50° 06.6' N 127° 56.4' W	<b>Fl.W.</b> period 10s fl. 1s, ec. 9s	309 94	11	White cylindrical tower.	
14268 G 5192	Donald Islets, Brooks Bay.	50° 13.9' N 127° 48.5' W	<b>Fl.(2)W.</b> period 6s	90 27	5	Mast.	
14272 G 5191	Rugged Islands, N. point of N. island.	50° 19.2' N 127° 55.1' W	<b>Fl.W.</b> period 4s	33 10	5	White mast.	
QUATSINO SOUND:							
14276 G 5178	<b>-Kains Island.</b>	50° 26.5' N 128° 02.0' W	<b>Fl.W.</b> period 5s fl. 0.1s, ec. 4.9s	93 28	18	White cylindrical tower.	Visible 224°-104°. Shown 24 hours.
14280 G 5190.4	-Greenwood Point.	50° 30.6' N 128° 01.6' W	<b>Q.G.</b>	22 7	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14284 G 5179	-Cliffe Point.	50° 27.9' N 127° 56.3' W	<b>Fl.W.</b> period 4s	36 11	7	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14288 G 5180	-Bedwell Island, S. end of islet.	50° 28.6' N 127° 53.7' W	<b>Fl.G.</b> period 4s	29 9	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14292 G 5180.4	-Koskimo Island.	50° 28.6' N 127° 51.3' W	<b>Q.R.</b>	14 4	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14296 G 5181	-Brockton Island.	50° 29.3' N 127° 46.3' W	<b>Fl.R.</b> period 4s	18 6	4	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14300 G 5182	-Ildstad Islands.	50° 30.9' N 127° 41.8' W	<b>Fl.W.</b> period 4s	19 6	5	White mast.	
14304 G 5184	-Leeson Point.	50° 32.1' N 127° 37.6' W	<b>Q.G.</b>	16 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14308 G 5189.4	-McNiffe Rock.	50° 31.3' N 127° 36.7' W	<b>Fl.W.</b> period 4s	15 5	5	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14312 G 5186	-Ohlsen Point.	50° 32.1' N 127° 34.2' W	<b>Q.G.</b>	15 5	3	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>BRITISH COLUMBIA-CANADA</b>							
14316 <i>G 5188</i>	-Makwazniht Island.	50° 33.4' N 127° 33.3' W	<b>Q.W.</b>	10 3	4	White mast.	
14320 <i>G 5189</i>	-Stragglng Islands.	50° 35.7' N 127° 42.1' W	<b>Fl.W.</b> period 4s	18 6	5	White cylindrical tower, red upper portion.	<b>Radar reflector.</b>
14324 <i>G 5190.2</i>	-Mist Rock.	50° 25.8' N 127° 30.1' W	<b>Fl.(2+1)G.</b> period 6s	18 5	4	White cylindrical tower, green upper portion.	<b>Radar reflector.</b>
14328 <i>G 5190</i>	-Frigon Islets.	50° 25.1' N 127° 29.6' W	<b>Fl.W.</b> period 4s	17 5	5	White mast.	
14332 <i>G 5174</i>	Sea Otter Cove.	50° 40.3' N 128° 21.1' W	<b>Fl.W.</b> period 4s	18 6	5	Mast.	
14336 <i>G 5172</i>	<b>Cape Scott.</b>	50° 46.9' N 128° 25.6' W	<b>Fl.W.</b> period 10s fl. 0.2s, ec. 9.8s	229 70	19	Square skeleton tower.	Shown 24 hours.

# Section 14

## West Coast of Central America

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14338 G 3635.5	Tijuana.	32° 31.8' N 117° 07.0' W	<b>Fl.(3)W.</b> period 6s	131 40	20	White cylindrical concrete tower; 72.	
14340 G 3636	Mexican Boundary AVIATION LIGHT.	32° 30.3' N 117° 00.4' W	<b>Fl.W.</b>				Occasional.
14344 G 3635	Islas Los Coronados.	32° 25.0' N 117° 14.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	174 53	10	White cylindrical concrete tower; 20.	
	RACON		<b>C(- • - •)</b>		20		(3 & 10cm).
14348 G 3634	-Island, S. end.	32° 23.5' N 117° 14.5' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	387 118	10	White octagonal concrete tower; 33.	Visible 263°-155°, obscured by islands.
14348.25	Costa Azul LNG facility N. range, front.	31° 59.2' N 116° 51.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	55 17	10	White round tower, red rectangular daymark, white stripe; 55.	
14348.26	-Rear.	31° 59.2' N 116° 51.2' W	<b>Iso.R.</b> period 2s	82 25	10	White round tower, red rectangular daymark, white stripe; 74.	
14348.27	-S. range, front.	31° 59.1' N 116° 51.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	55 17	10	White round tower, red rectangular daymark, white stripe; 55.	
14348.28	--Rear.	31° 59.2' N 116° 51.1' W	<b>Iso.W.</b> period 2s	74 22	10	White round tower, red rectangular daymark, white stripe; 74.	
14348.5 G 3630	Punta San Miguel.	31° 54.4' N 116° 45.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	167 51	10	White cylindrical concrete tower; 20.	
14349 G 3629.4	-El Sauzal Range, front.	31° 53.7' N 116° 42.4' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	66 20	13	White truncated pyramidal metal tower, red bands; 36.	
14350 G 3629.41	--Rear.	31° 53.8' N 116° 42.4' W	<b>Iso.W.</b> period 2s	75 23	13	White truncated pyramidal metal tower, red bands; 52.	
14353 G 3629.5	-E. breakwater.	31° 53.6' N 116° 42.1' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	7	Truncated pyramidal aluminum tower; 23.	
14355 G 3629.7	-W. breakwater.	31° 53.5' N 116° 42.2' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	39 12	7	Round metal tower; 23.	
14360 G 3629	Punta Morro.	31° 51.7' N 116° 40.1' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	52 16	10	White hexagonal concrete tower; 20.	
<b>ENSENADA:</b>							
14360.5 G 3626.05	-Entrance range, front.	31° 51.2' N 116° 37.3' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	43 13	9	Beacon, orange triangular daymark point up; 43.	
14360.6 G 3626.06	--Rear, 365 meters, 006° from front.	31° 51.4' N 116° 37.3' W	<b>Iso.W.</b> period 2s	66 20	9	Beacon; 66.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14361 G 3629.1	-E. breakwater.	31° 51.6' N 116° 39.6' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	5	Round metal tower; 23.	
14362 G 3629.2	-W. breakwater.	31° 51.7' N 116° 39.6' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	5	Round metal tower; 23.	
14364 G 3620	<b>Islas de Todos Santos.</b>	31° 48.7' N 116° 48.5' W	<b>Fl.W.</b> period 12s	157 48	22	White truncated conical tower, red bands; 82.	
	RACON		<b>X(- • • -)</b>		20		(3 & 10cm).
14368 G 3621	-S. island, S. end.	31° 47.5' N 116° 47.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	102 31	10	White cylindrical concrete tower; 23.	
14372 G 3626	Puerto de Ensenada, W. breakwater, head.	31° 50.6' N 116° 37.5' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	69 21	7	Green truncated pyramidal metal tower; 39.	
14373 G 3626.2	-E. breakwater, head.	31° 50.6' N 116° 37.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	7	Red beacon; 20.	
14373.5 G 3626.15	--Extension.	31° 50.5' N 116° 37.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	46 14	5	Red truncated pyramidal tower; 23.	
14376 G 3622	Punta Banda.	31° 44.9' N 116° 44.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	10	White truncated pyramidal masonry tower; 20.	
14380 G 3619.5	Punta San Jose.	31° 27.8' N 116° 35.8' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	98 30	10	White cylindrical concrete tower; 33.	
14384 G 3619	Cabo Colnet.	30° 57.7' N 116° 19.8' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	223 68	10	Truncated pyramidal aluminum tower; 20.	
14388 G 3618	Isla de San Martin.	30° 29.1' N 116° 07.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	161 49	10	White truncated pyramidal aluminum tower; 33.	
14392 G 3617	Punta Azufre.	30° 23.9' N 115° 59.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 12	9	Truncated pyramidal aluminum tower; 33.	
14393 G 3616.8	Punta Entrada.	30° 21.9' N 116° 00.3' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	46 14	10	Truncated pyramidal aluminum tower; 23.	
14394 G 3616.4	Punta Baja.	29° 56.8' N 115° 48.7' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	Truncated pyramidal aluminum tower; 33.	
14396 G 3616	Isla San Jeronimo.	29° 47.4' N 115° 47.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	161 49	11	White hexagonal concrete tower; 20.	
	RACON		<b>Z(- • • •)</b>		20		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14400 G 3613.5	Isla Guadalupe.	28° 59.1' N 118° 18.8' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	217 66	10	Truncated pyramidal aluminum tower; 39.	
14401 G 3613.6	-N. side.	29° 10.3' N 118° 16.2' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	9	Truncated pyramidal aluminum tower; 39.	
14402 G 3613.7	-S. side.	28° 53.3' N 118° 17.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	233 71	10	Truncated pyramidal aluminum tower; 39.	
14404 G 3615.5	San Jose.	29° 17.0' N 114° 51.8' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	66 20	10	White round concrete tower; 23.	
14405 G 3615.4	Punta Blanca.	29° 06.0' N 114° 42.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	10	Truncated pyramidal aluminum tower; 23.	
14408 G 3615.3	Punta Negra.	28° 48.9' N 114° 23.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 20	10	White cylindrical concrete tower; 33.	
14409 G 3615	Morro de Santo Domingo.	28° 15.5' N 114° 07.4' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	148 45	10	White cylindrical concrete tower; 33.	
14412 G 3613	<b>Islas San Benito.</b>	28° 19.0' N 115° 35.7' W	<b>Fl.(3)W.</b> period 20s	689 210	30	White cylindrical concrete tower; 16.	Visible 060°-120°.
	RACON		<b>B(- • • •)</b>		25		(3 & 10cm).
14414 G 3612.5	-SW.	28° 18.3' N 115° 35.7' W	<b>Fl.(3)W.</b> period 20s	699 213	20		
14416 G 3612	-S.	28° 18.2' N 115° 35.2' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	174 53	9	White cylindrical masonry tower; 13.	
ESTERO DE SAN JOSE (LAGUNA DE GUERRERO NEGRO):							
14424 G 3614	-Range No. 1, front.	28° 05.9' N 114° 06.7' W	<b>F.Y.</b>			Red triangular daymark point down.	S. side of channel is marked by range of black and white banded towers showing F.Bu.G. lights.
14428 G 3614.1	--Rear, 495 meters 124°05' from front.	28° 05.7' N 114° 06.4' W	<b>F.Y.</b>			Red triangular daymark point up.	N. side of channel is marked by range of beacons with black triangular daymarks showing F.W. lights. When dredging, temporary F.W. range lights are shown to northward of above. Lights are moved as channel over bar changes.
14432 G 3614.3	-Range No. 2, front.	28° 04.2' N 114° 07.2' W	<b>F.G.</b>			Wooden tower, black diamond daymark; 49.	
14436 G 3614.31	--Rear, 305 meters 187° from front.	28° 04.0' N 114° 07.2' W	<b>Q.W.</b>			Wooden tower, black rectangular daymark; 49.	
14440 G 3614.5	-Range No. 3, front.	28° 02.0' N 114° 07.0' W	<b>F.G.</b>			Black beacon, black rectangular daymark.	
14444 G 3614.51	--Rear, 393 meters 164°07' from front.	28° 02.2' N 114° 06.0' W	<b>Q.W.</b>			Black beacon, black diamond daymark.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14448 G 3611.8	Isla Cedros.	28° 21.9' N 115° 11.6' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	148 45	10	White truncated pyramidal masonry tower; 23.	
14449 G 3611	-Breakwater.	28° 22.0' N 115° 12.0' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	5	Truncated pyramidal aluminum tower; 23.	
14450 G 3611.2	-Pier.	28° 22.0' N 115° 12.0' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	16 5	8	Truncated pyramidal aluminum tower; 23.	
14452 G 3609	-Punta del Morro Redondo.	28° 02.6' N 115° 11.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	72 22	10	Truncated pyramidal aluminum tower; 28.	
14456 G 3606	<b>Isla Natividad.</b>	27° 52.4' N 115° 10.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	367 112	20	White cylindrical concrete tower; 52.	Visible 137°-122°.
14460 G 3604	Punta Eugenia.	27° 50.7' N 115° 04.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 20	10	White truncated pyramidal masonry tower; 20.	Visible 113°-090°.
14464 G 3602.4	Punta Kelp.	27° 39.9' N 114° 54.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	10	Truncated pyramidal metal tower; 23.	
14466 G 3603	Tortugas.	27° 41.6' N 114° 53.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 16	10	Truncated pyramidal aluminum tower; 20.	
14472 G 3602	Roca Atand.	27° 39.3' N 114° 52.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	82 25	10	Truncated pyramidal metal tower; 23.	
14476 G 3601	Isla San Roque.	27° 08.8' N 114° 22.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	92 28	10	White round concrete tower; 23.	
14477 G 3600.9	Isla Asuncion.	27° 06.0' N 114° 17.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	30 9	10	Truncated pyramidal aluminum tower; 26.	
14478 G 3600.8	San Hipolito.	26° 58.5' N 113° 59.1' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	10	White cylindrical concrete tower, red bands; 33.	Visible 128°-297°.
14480 G 3600	Punta Abreojos.	26° 45.0' N 113° 34.2' W	<b>Fl.(3)W.</b> period 12s	82 25	10	White cylindrical concrete tower; 72.	Visible 117°-278°.
14484 G 3599.9	Bahia de Ballenas.	26° 43.5' N 113° 32.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	Truncated pyramidal aluminum tower; 26.	
14488 G 3599	Punta Pequena.	26° 14.1' N 112° 29.6' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	49 15	10	White round metal tower, red bands; 26.	
14492 G 3598.7	Boca de Pabellon.	25° 50.0' N 112° 07.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	10	White cylindrical concrete tower, red bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14493 G 3598.6	Boca de Santo Domingo.	25° 36.4' N 112° 05.7' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	43 13	10	White cylindrical concrete tower, red bands; 33.	
14496 G 3598.55	Boca de Soledad.	25° 17.2' N 112° 07.3' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	White round concrete tower; 33.	
14496.5 G 3598.5	Puerto Lopez.	25° 11.9' N 112° 08.8' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	43 13	10	White cylindrical concrete tower, red bands.	
14500 G 3598	Cabo San Lazaro.	24° 47.6' N 112° 18.1' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	230 70	10	White four-sided masonry tower, dwelling; 23.	Visible 319°-202°.
	RACON		<b>Y(- • - -)</b>		20		(3 & 10cm).
14504 G 3593	-Punta Redonda.	24° 30.9' N 112° 00.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 19	10	White truncated pyramidal tower; 30.	Visible 330°-242°.
BAHIA MAGDALENA:							
14508 G 3596	-Puerto Magdalena.	24° 38.2' N 112° 08.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	Truncated pyramidal aluminum tower; 26.	
14512 G 3597	-Puerto de San Carlos, Muelle Fiscal.	24° 47.2' N 112° 07.3' W	<b>Iso.W.</b> period 2s	39 12	10	Four-sided metal tower; 49.	
14516 G 3594	-Isla Mangrove Range, front.	24° 32.5' N 111° 48.8' W	<b>Fl.W.</b> period 3s fl. 0.5s, ec. 2.5s	36 11	10	White truncated pyramidal metal tower; 72.	
14520 G 3594.1	--Rear, 233 meters 088° from front.	24° 32.5' N 111° 48.7' W	<b>Iso.W.</b> period 2s	46 14	10	White truncated pyramidal steel tower; 89.	
14522 G 3595.4	-Puerto Cortes, W. pier.	24° 28.4' N 111° 49.1' W	<b>F.R.</b>	26 8	10	White concrete tower; 16.	
14524 G 3595	--Range, front.	24° 27.7' N 111° 48.3' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	39 12	10	White truncated pyramidal tower; 30.	
14528 G 3595.1	---Rear, 843 meters 154° from front.	24° 27.4' N 111° 48.1' W	<b>Iso.W.</b> period 2s	56 17	10	White truncated pyramidal metal tower; 39.	
14532 G 3592	Punta Tosca.	24° 18.6' N 111° 42.7' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	266 81	10	White four-sided concrete tower, masonry dwelling.	Visible 191°-118°.
14536 G 3591.7	Arroyo Conejo.	24° 04.6' N 111° 00.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	Truncated pyramidal aluminum tower; 26.	
14538 G 3591.6	Punta Marquiz.	23° 57.6' N 110° 52.4' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 30.	
14540 G 3591.5	Los Inocentes.	23° 46.1' N 110° 40.9' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	Truncated pyramidal aluminum tower; 26.	
14544 G 3591	Todos Santos.	23° 26.9' N 110° 14.7' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	43 13	10	White cylindrical concrete tower, black bands; 33.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14548 G 3586	<b>Cabo Falso.</b>	22° 52.7' N 109° 57.6' W	<b>Fl.W.</b> period 6s	623 190	30	Red hexagonal tower, white bands; 20.	Visible 270°-130°. Reserve light range 10M.
	RACON		<b>F(••-•)</b>		20		Azimuth coverage 270°-130°. (3 & 10cm).
14549 G 3589.1	-N. breakwater.	22° 52.9' N 109° 54.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	10	Red truncated pyramidal metal tower; 46.	
14550 G 3589.2	-S. breakwater.	22° 52.8' N 109° 54.3' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	10	Green truncated pyramidal metal tower; 46.	
14553 G 3590	<b>-Cabo San Lucas</b> Range, front.	22° 52.8' N 109° 54.7' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	85 26	15	Tower on roof of hotel.	
14554 G 3590.1	--Rear, 268 meters 268° from front.	22° 52.8' N 109° 54.9' W	<b>Iso.W.</b> period 2s	125 38	15	White truncated pyramidal metal tower; 26.	
14556 G 3585	Cabeza Ballena.	22° 54.2' N 109° 50.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	131 40	10	White cylindrical concrete tower; 33.	
14560 G 3584	<b>San Jose del Cabo.</b>	23° 03.9' N 109° 39.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	118 36	15	White cylindrical concrete tower, red bands; 33.	
14561 G 3584.1	-East breakwater.	23° 03.4' N 109° 40.2' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	43 13	6	Red round iron tower; 13.	
14561.5 G 3584.11	-West breakwater.	23° 03.3' N 109° 40.3' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	43 13	6	Green round iron tower; 13.	
14562 G 3584.4	-East jetty.	23° 03.5' N 109° 40.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	26 8	4	Red round iron tower; 26.	
14562.5 G 3584.41	-West jetty.	23° 03.5' N 109° 40.3' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	26 8	4	Green round iron tower; 26.	
14563 G 3584.2	-Entrance range, front.	23° 03.5' N 109° 40.3' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	33 10	6	White round iron tower; 26.	
14563.1 G 3584.21	--Rear.	23° 03.6' N 109° 40.3' W	<b>Iso.W.</b> period 2s	36 11	6	White round iron tower; 26.	
14563.5 G 3584.3	-Inner range, front.	23° 03.8' N 109° 40.5' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	23 7	6	White round iron tower; 16.	
14563.6 G 3584.31	--Rear.	23° 03.9' N 109° 40.5' W	<b>Iso.W.</b> period 2s	33 10	6	White round iron tower; 10.	
14564 G 3582	Boca del Tule.	23° 14.3' N 109° 26.4' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 18	10	Red truncated pyramidal metal tower; 39.	
14568 G 3580	Punta Arena, Sur.	23° 33.3' N 109° 28.4' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	66 20	10	White truncated conical concrete tower, black bands; 39.	Visible 150°-324°.
14572 G 3578	<b>Punta Arena de la Ventana.</b>	24° 03.3' N 109° 49.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 15	18	White cylindrical concrete tower, red bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14576 G 3576	Piedras Gordas, on SW. point of Isla Cerralvo.	24° 09.2' N 109° 51.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	69 21	10	Truncated pyramidal aluminum tower; 39.	
14577 G 3576.3	-S. point.	24° 08.2' N 109° 47.5' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	164 50	10	Truncated pyramidal metal tower; 30.	
14578 G 3575.8	-N. point.	24° 22.5' N 109° 55.4' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	10	Aluminum tower; 26.	
14580 G 3577	Bahia la Ventana, S. of Punta Gorda.	24° 06.9' N 109° 59.9' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	59 18	10	White truncated pyramidal metal tower; 39.	
14584 G 3576.6	Islote de la Reina (Seal Rock).	24° 26.3' N 109° 57.6' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	33 10	10	White round metal tower; 23.	
14588 G 3570	<b>Punta Prieta.</b>	24° 13.2' N 110° 18.7' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	98 30	15	White four-sided masonry tower, on roof of dwelling; 66.	Visible 290°-148°.
14592 G 3569	Roca Lobos.	24° 17.9' N 110° 20.7' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	43 13	10	White and red truncated pyramidal metal tower; 30.	
14595 G 3568.6	Punta Coyote.	24° 21.0' N 110° 23.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 30.	
14600 G 3566	Isla Partida.	24° 36.1' N 110° 23.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	10	White truncated pyramidal metal tower; 39.	
14601 G 3569.3	Bahia Pichilingue, S. mole.	24° 16.5' N 110° 19.9' W	<b>Iso.R.</b> period 2s	33 10	3	Red round concrete tower; 23.	
14602 G 3569.5	-N. mole.	24° 16.6' N 110° 19.9' W	<b>Iso.R.</b> period 2s	33 10	3	Red round concrete tower; 23.	
14603 G 3566.3	San Juan de la Costa.	24° 23.7' N 110° 41.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	8	Truncated pyramidal metal tower; 21.	
14603.1 G 3566.5	Isla Ballena.	24° 28.9' N 110° 24.2' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	43 13	10	White truncated pyramidal metal tower; 30.	
14603.2 G 3566.7	La Bonanza.	24° 27.6' N 110° 18.1' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 26.	
<b>LA PAZ HARBOR:</b>							
14604 G 3572	-First Range.	24° 12.5' N 110° 18.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	49 15	10	White four-sided stone tower; 16.	
14605 G 3572.1	--Rear, about 90 meters 148° from front.	24° 12.5' N 110° 18.0' W	<b>Iso.W.</b> period 2s	62 19	10	White square concrete tower; 23.	
14612 G 3573	-Second Range, front.	24° 10.6' N 110° 18.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	59 18	10	White rectangular stone tower; 16.	
14616 G 3573.1	--Rear, about 380 meters 181° from front.	24° 10.4' N 110° 18.2' W	<b>Iso.W.</b> period 2s	62 19	10	White rectangular stone tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14620 G 3574	-Third Range, front.	24° 11.4' N 110° 18.1' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	105 32	13	White rectangular masonry tower; 7.	
14624 G 3574.1	--Rear, 80 meters 033° from front.	24° 11.4' N 110° 18.1' W	<b>Iso.W.</b> period 2s	125 38	17	White rectangular stone tower; 7.	
14628 G 3575	-T-wharf, E. head.	24° 09.7' N 110° 19.2' W	<b>Iso.R.</b> period 2s	26 8	3	White truncated conical masonry tower, red bands; 16.	
14632 G 3575.2	--W. head.	24° 09.7' N 110° 19.2' W	<b>Iso.R.</b> period 2s	26 8	3	White truncated conical masonry tower, red bands; 16.	
14634 G 3575.3	Don Lorenzo.	24° 09.1' N 110° 20.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	13 4	3	White mast on hulk; 13.	Marks wreck Don Lorenzo.
14636 G 3565.5	San Evaristo.	24° 53.8' N 110° 43.3' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	72 22	10	White truncated pyramidal metal tower; 30.	
14636.5 G 3565.58	Islote El Pardito.	24° 51.0' N 110° 36.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	25 8	10	Truncated pyramidal aluminum tower; 16.	
14637 G 3565.55	Las Loberas.	24° 50.2' N 110° 34.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 11	10	Truncated pyramidal metal tower; 29.	
14640 G 3565	Isla de San Jose, on Punta Colorado.	25° 01.4' N 110° 35.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	10	Truncated pyramidal metal tower; 26.	
14641 G 3565.08	-SW. point.	24° 54.8' N 110° 38.4' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	White truncated pyramidal metal tower; 26.	
14644 G 3565.2	Punta de los Oston.	25° 02.0' N 110° 43.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 30.	
14648 G 3564.4	Isla Las Animas.	25° 06.4' N 110° 31.5' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	161 49	10	Truncated pyramidal metal tower; 30.	
14652 G 3564.3	Isla San Diego.	25° 12.0' N 110° 42.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	66 20	10	Truncated pyramidal metal tower; 30.	
14656 G 3564.5	San Marcial Rock.	25° 31.6' N 111° 00.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	10	Truncated pyramidal metal tower; 30.	
14660 G 3564.2	Isla Santa Cruz.	25° 15.8' N 110° 43.8' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	Truncated pyramidal metal tower; 30.	
14664 G 3564	Isla Santa Catalina.	25° 35.6' N 110° 46.7' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	220 67	10	White truncated pyramidal metal tower; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14668 G 3563.85	Isla Monserrat.	25° 38.6' N 111° 02.7' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	66 20	10	Truncated pyramidal metal tower; 39.	
14669 G 3563.83	Isla Las Galeras, N.	25° 44.3' N 111° 02.7' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	10	Truncated pyramidal metal tower; 23.	
14670 G 3563.81	Punta Candeleros.	25° 43.6' N 111° 13.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	26 8	10	White round concrete tower, red bands; 23.	
14672 G 3563.75	Isla Danzante, E.	25° 48.5' N 111° 15.3' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	43 13	10	White round concrete tower; 23.	
14673 G 3563.7	-S.	25° 45.8' N 111° 14.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 9	9	Truncated pyramidal metal tower; 25.	
14676 G 3563.8	-N.	25° 49.1' N 111° 15.7' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	10	Truncated pyramidal metal tower; 23.	
14680 G 3563.52	Isla del Carmen.	25° 49.7' N 111° 13.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	39 12	10	Truncated pyramidal metal tower; 46.	
14684 G 3563.5	Punta Coyote.	25° 48.7' N 111° 17.9' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	26 8	10	White truncated pyramidal metal tower; 46.	
14685 G 3563.58	Punta Lobos.	26° 04.2' N 111° 05.2' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	Truncated pyramidal aluminum tower; 23.	
14686 G 3563.6	Punta Cholla.	26° 00.1' N 111° 10.4' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal metal tower; 23.	
14688 G 3563	Port Loreto, E. of Loreto.	26° 00.9' N 111° 20.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	10	Cylindrical concrete tower; 72.	
14691 G 3562.55	Islote Santa Elena.	26° 06.9' N 111° 18.7' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	White cylindrical concrete tower; 26.	
14691.5 G 3562.6	Punta Santa Elena.	26° 06.2' N 111° 19.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	23 7	10	White cylindrical concrete tower; 26.	
14692 G 3562.7	Isla Coronados.	26° 06.4' N 111° 15.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 8	10	Truncated pyramidal metal tower; 43.	
14694 G 3562.5	Isla San Ildefonso.	26° 37.9' N 111° 26.5' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	White and red truncated pyramidal metal tower; 26.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14695 G 3562.45	Punta Santa Teresa.	26° 41.0' N 111° 34.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	52 16	9	Truncated pyramidal metal tower; 25.	
14696 G 3562	Muleje, on El Sombrero Point.	26° 53.9' N 111° 58.1' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	138 42	10	White cylindrical concrete tower; 26.	Visible 181°-273°.
14697 G 3562.2	Punta Agujas.	26° 52.0' N 111° 52.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	Truncated pyramidal metal tower; 49.	
14700 G 3562.4	Bahia Concepcion.	26° 44.8' N 111° 52.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	92 28	10	White round structure, red bands.	
14701 G 3561	Punta St. Ines.	27° 03.8' N 111° 57.8' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	52 16	10	Truncated pyramidal metal tower; 49.	
14702 G 3561.4	St. Ines Islands, N.	27° 02.6' N 111° 55.3' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 16	10	Truncated pyramidal metal tower; 49.	
14703 G 3561.8	-S.	27° 01.6' N 111° 55.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	52 16	10	Truncated pyramidal metal tower; 49.	
14704 G 3558	Isla San Marcos.	27° 12.1' N 112° 06.3' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 8	10	Truncated pyramidal metal tower; 23.	
14705 G 3560	Punta Chivato.	27° 05.5' N 111° 58.3' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	10	Truncated pyramidal metal tower; 49.	
14706 G 3559	Piedra Blanca.	27° 14.2' N 112° 07.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 16	10	Truncated pyramidal metal tower; 49.	
14707 G 3559.4	La Lobera.	27° 16.0' N 112° 06.9' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	10	Truncated pyramidal metal tower; 49.	
14708 G 3553	Isla Tortugas, N. side.	27° 27.3' N 111° 53.9' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	105 32	10	Truncated pyramidal metal tower; 30.	
14712 G 3553.5	-S. side.	27° 26.0' N 111° 54.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	79 24	10	Truncated pyramidal aluminum tower; 30.	
14713 G 3553.81	Caleta Santa Maria, La Cia Minera Copas mole.	27° 24.5' N 112° 19.0' W	<b>Iso.Y.</b> period 2s	26 8	10	Yellow round iron tower; 7.	
14715 G 3553.8	-SE. wharf.	27° 26.0' N 112° 18.8' W	<b>Iso.G.</b> period 2s	26 8	10	Green round iron tower; 7.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14716 G 3556	Punta Santa Agueda.	27° 19.2' N 112° 15.4' W	<b>Fl.(4)W.R.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	10	Truncated pyramidal aluminum tower; 39.	R. 110°-155°, W.-110°.
14717 G 3552	Cabo Virgenes.	27° 32.0' N 112° 21.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	52 16	10	Red concrete tower, white bands; 33.	
14718 G 3550	Bahia de San Francisquito.	28° 26.1' N 112° 54.1' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	46 14	10	Cylindrical concrete tower; 33.	
14718.5 G 3551	Punta Espejo.	28° 26.0' N 112° 50.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	10	White cylindrical concrete tower; 33.	
SANTA ROSALIA:							
14720 G 3554	-E. outer breakwater, head.	27° 20.0' N 112° 16.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	10	White cylindrical concrete tower; 20.	
14724 G 3555	-W. mole, head.	27° 19.9' N 112° 16.4' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	10	White cylindrical concrete tower; 20.	
14724.6 G 3555.5	-Range, front.	27° 20.5' N 112° 15.8' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	39 12	10	White round concrete tower; 28.	
14724.7 G 3555.6	--Rear, 30 yards 328° from front.	27° 20.5' N 112° 15.9' W	<b>Iso.W.</b> period 2s	56 17	10	White round concrete tower; 39.	
14725 G 3547.5	Cabeza de Caballo.	28° 58.0' N 113° 29.0' W	<b>Fl.R.</b> period 6s fl. 1s, ec. 5s	36 11	10	Truncated pyramidal aluminum tower; 26.	
14726 G 3547.6	Punta Arenas.	28° 57.3' N 113° 32.5' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	10	White cylindrical concrete tower; 33.	
14728 G 3547	Isla Angel de la Guarda.	29° 00.0' N 113° 09.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	128 39	10	Truncated pyramidal aluminum tower; 46.	
14732 G 3547.4	Islote Gemelo del Este.	28° 57.7' N 113° 28.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	10	White truncated pyramidal aluminum tower, red bands; 26.	
14736 G 3546	Isla Angel de la Guarda, N. side of island.	29° 34.2' N 113° 32.4' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	79 24	10	Truncated pyramidal aluminum tower; 33.	
14740 G 3545	Punta Willard.	29° 50.3' N 114° 23.8' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	59 18	9	Truncated pyramidal steel tower; 39.	
14741 G 3545.4	Isla Willard.	29° 49.0' N 114° 23.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	95 29	10	Truncated pyramidal aluminum tower; 23.	
14743 G 3544.5	Isla Miramar.	30° 05.0' N 114° 33.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	10	White cylindrical concrete tower, red bands; 33.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14744 G 3544	Punta San Fermin.	30° 26.0' N 114° 37.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	72 22	10	Truncated pyramidal aluminum tower; 46.	
14748 G 3543.5	Bahia de Santa Maria.	30° 44.0' N 114° 42.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	75 23	10	White cylindrical concrete tower; 33.	
14748.5 G 3543	Punta Estrella.	30° 55.0' N 114° 43.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	105 32	10	White cylindrical concrete tower; 33.	
14750 G 3542.5	-N. mole.	31° 01.0' N 114° 49.0' W	<b>Iso.R.</b> period 2s	49 15	6	White cylindrical concrete tower; 30.	
14751 G 3542.6	-S. mole.	31° 01.0' N 114° 49.0' W	<b>Iso.G.</b> period 2s	49 15	6	White cylindrical concrete tower; 30.	
14753 G 3542.3	-N. breakwater.	31° 01.0' N 114° 49.0' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	6	Cylindrical concrete tower; 16.	
14754 G 3542.4	-S. breakwater.	31° 01.0' N 114° 49.0' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	6	Cylindrical concrete tower; 16.	
14756 G 3542	<b>San Felipe.</b>	31° 03.0' N 114° 49.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	144 44	18	White cylindrical concrete tower; 72.	Aeromarine light.
14757 G 3542.2	-San Felipe Range, front.	31° 01.0' N 114° 49.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	69 21	6	Truncated pyramidal steel tower; 49.	
14758 G 3542.21	--Rear.	31° 01.0' N 114° 49.0' W	<b>Iso.W.</b> period 2s	95 29	7	Truncated pyramidal steel tower; 62.	
14765 G 3540.5	Santa Clara.	31° 41.0' N 114° 30.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	49 15	9	Radio antenna; 82.	
14772 G 3540.3	Punta Borrascosa.	31° 30.0' N 114° 01.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	11	White round concrete tower, red bands; 36.	
14773 G 3540.05	-Range, front.	31° 18.2' N 113° 32.6' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	33 10	8	Truncated pyramidal aluminum tower; 23.	
14774 G 3540.06	--Rear, about 146 meters from front.	31° 18.2' N 113° 32.5' W	<b>Iso.W.</b> period 2s	66 20	8	Truncated pyramidal metal tower; 39.	
14775 G 3540.08	-Range, front.	31° 18.0' N 113° 33.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	69 21	8	Truncated pyramidal metal tower, red stripes; 39.	
14776 G 3540.09	--Rear.	31° 18.0' N 113° 33.0' W	<b>Iso.W.</b> period 2s	98 30	8	Truncated pyramidal metal tower, red stripes; 39.	
14777 G 3540.13	-E. breakwater.	31° 18.4' N 113° 32.9' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	9	Truncated pyramidal metal tower; 23.	
14778 G 3540	<b>Puerto Penasco.</b>	31° 17.1' N 113° 34.7' W	<b>Fl.W.</b> period 8s	318 97	17	White octagonal concrete tower; 30.	
14779 G 3540.15	-W. breakwater.	31° 18.3' N 113° 33.1' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	9	Truncated pyramidal metal tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14780 G 3539.7	Isla San Jorge.	31° 01.0' N 113° 15.3' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	272 83	11	Cylindrical concrete tower; 10.	
14784 G 3539.6	La Soledad.	30° 49.0' N 113° 07.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 15	10	Truncated pyramidal aluminum tower; 33.	
14786 G 3539.2	<b>Cabo Tepoca.</b>	30° 16.3' N 112° 51.1' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	128 39	15	White cylindrical concrete tower, red bands; 39.	
14787 G 3539.5	Rio de la Concepcion.	30° 33.2' N 113° 00.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	82 25	10	White truncated pyramidal concrete tower, red bands; 38.	
14788 G 3539	Cabo Lobos.	29° 54.0' N 112° 45.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 12	9	White round tower, red bands; 56.	
14789 G 3538.8	Puerto Libertad.	29° 54.0' N 112° 45.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	43 13	9	White round metal tower; 33.	
14790 G 3538.6	Rio San Ignacio.	29° 29.7' N 112° 25.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	52 16	11	White metal tower; 43.	
14792 G 3538.5	Isla Patos.	29° 16.4' N 112° 27.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	233 71	8	Round aluminum tower; 23.	
14793 G 3538.25	Isla San Esteban.	28° 43.0' N 112° 33.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	10	White truncated pyramidal aluminum tower; 39.	
14800 G 3538.33	-Punta Willard.	28° 53.3' N 112° 35.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	46 14	9	Cylindrical concrete tower; 10.	
14805 G 3538.2	Isla Turners.	28° 42.0' N 112° 19.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	256 78	9	White truncated pyramidal metal and concrete tower; 26.	
14806 G 3538	Isla Pelicano.	28° 48.0' N 111° 59.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	9	Truncated pyramidal aluminum tower; 23.	
14807 G 3537.8	Isla San Pedro Martir.	28° 23.0' N 112° 20.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	279 85	7	White truncated pyramidal metal tower; 23.	
14808 G 3537.7	Punta Lesna.	28° 13.0' N 111° 24.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	154 47	11	Silver metal tower; 43.	
14809 G 3537.9	Punta Baja.	28° 28.2' N 111° 42.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 12	9	White truncated pyramidal metal tower; 25.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14813 G 3537.67	Isla San Pedro Nolasco.	27° 58.0' N 111° 23.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	62 19	10	Truncated pyramidal aluminum tower; 39.	
14816 G 3537.4	Punta San Guillermo, Puerto San Carlos.	27° 56.0' N 111° 03.7' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	56 17	9	Truncated pyramidal aluminum tower; 23.	
14820 G 3537.45	Bahia San Carlos.	27° 56.0' N 111° 04.0' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	66 20	9	Truncated pyramidal metal tower; 30.	
14824 G 3528	<b>Cabo Haro.</b>	27° 50.4' N 110° 53.1' W	<b>Fl.(3)W.</b> period 20s	351 107	22	White four-sided concrete tower; 23.	Visible 216°-113°.
<b>GUAYMAS:</b>							
14828 G 3530	-Isla Pajaros, SW. extremity.	27° 53.2' N 110° 50.8' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	82 25	5	White truncated pyramidal hexagonal concrete tower; 33.	Visible 281°-212°.
14832 G 3531	-Punta Baja.	27° 54.0' N 110° 51.4' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	7	White truncated pyramidal concrete tower; 16.	
14836 G 3532	-Range, front, Isla Morrito, W. side.	27° 54.8' N 110° 51.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	33 10	8	Concrete wall, red pentagonal daymark, white center; 26.	
14840 G 3532.1	--Rear, about 1.38 miles 355° from front, on Isla Tio Ramon.	27° 56.1' N 110° 51.3' W	<b>Iso.W.</b> period 2s	56 17	10	Concrete wall, red pentagonal daymark, white center; 26.	
14841 G 3537	-Muelle de la Ardilla, W. end, head.	27° 54.9' N 110° 52.4' W	<b>Iso.R.</b> period 2s	26 8	8	Round tower; 16.	
14842 G 3537.2	--E. end.	27° 54.9' N 110° 52.4' W	<b>Iso.G.</b> period 2s	26 8	8	Round tower; 16.	
14844 G 3533	-Cape de Las Golondrias Range, front.	27° 55.9' N 110° 53.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	295 90	10	Truncated pyramidal metal tower, red pentagonal daymark, white center; 39.	
14848 G 3533.1	--Rear, about 500 meters, 316° from front.	27° 56.0' N 110° 53.2' W	<b>Iso.W.</b> period 2s	328 100	12	Truncated pyramidal metal tower, red pentagonal daymark, white center; 46.	
14850 G 3537.35	-Piedra Ahogada La Reyna.	27° 55.8' N 110° 58.5' W	<b>Iso.Y.</b> period 2s	13 4	4	White cylindrical concrete tower.	
14860 G 3527	Las Guasimas.	27° 49.0' N 110° 36.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	5	Truncated pyramidal metal tower; 23.	
14864 G 3526.8	Rio Yaqui.	27° 40.3' N 110° 35.3' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	Truncated pyramidal metal tower; 52.	
14868 G 3526	Isla Lobos, NW. point.	27° 19.5' N 110° 34.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	82 25	10	White truncated pyramidal metal tower; 72.	
<b>RACON</b>					20		(3 & 10cm).
14870 G 3526.6	Bahia Lobos, N. mouth of bay.	27° 25.0' N 110° 34.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	9	Truncated pyramidal metal tower; 23.	
14872 G 3526.5	Boca del Dren, bay, E. side.	27° 22.0' N 110° 27.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	9	Truncated pyramidal metal tower; 23.	

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<b>MEXICO</b>							
14876 G 3524	Santo Domingo.	27° 10.6' N 110° 18.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 9	9	Truncated pyramidal aluminum tower; 23.	
14880 G 3523.2	Boca del Cocoraquito, N. side.	27° 06.0' N 109° 58.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	9	Truncated pyramidal metal tower; 25.	
14884 G 3523	-S. side.	26° 59.4' N 109° 56.5' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 15	11	Truncated pyramidal metal tower; 39.	
14885 G 3522.5	Punta Arboleda.	26° 47.0' N 109° 52.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	7	White truncated pyramidal metal tower; 39.	
14892 G 3522	-Santa Barbara.	26° 40.8' N 109° 41.1' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	43 13	9	Truncated pyramidal metal tower; 25.	
14896 G 3520	Bahia de Yavaros.	26° 42.3' N 109° 31.9' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	112 34	13	White cylindrical concrete tower, red bands; 39.	Visible 306°-067°.
14897 G 3521	-Puerto Yavaros Range, front.	26° 40.4' N 109° 29.8' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	33 10	7	White truncated pyramidal metal tower; 26.	
14898 G 3521.1	--Rear, 0.5 mile 000° from front.	26° 40.9' N 109° 29.8' W	<b>Iso.W.</b> period 2s	46 14	11	White truncated pyramidal metal tower; 39.	
14901 G 3521.4	-No. 3.	26° 41.8' N 109° 30.4' W	<b>Fl.W.</b> period 3s fl. 0.5s, ec. 2.5s	26 8	5	White truncated pyramidal metal tower; 16.	
14903 G 3519.5	Agiabampo.	26° 17.0' N 109° 17.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	10	Truncated pyramidal aluminum tower; 39.	
14904 G 3519	San Ignacio Farallon.	25° 26.5' N 109° 23.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	394 120	10	White truncated pyramidal metal tower; 39.	
TOPOLOBAMPO:							
14909 G 3518.2	-Las Animas Range, front.	25° 35.0' N 109° 07.0' W	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	98 30	20	White truncated pyramidal metal tower; 39.	
14910 G 3518.21	--Rear, 051° from front.	25° 36.3' N 109° 05.3' W	<b>Iso.W.</b> period 2s	328 100	20	Truncated pyramidal metal tower; 39.	
14912 G 3518.5	-Punta Copas Range, front.	25° 32.6' N 109° 06.9' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	43 13	12	White truncated pyramidal metal tower.	
14916 G 3518.51	--Rear, 420 meters 232°30' from front.	25° 32.6' N 109° 06.9' W	<b>Iso.W.</b> period 2s	52 16	20	White truncated pyramidal metal tower; 46.	
14917 G 3518.4	-Punta Prieta Range, front.	25° 33.0' N 109° 05.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	20 6	9	White cylindrical concrete tower; 10.	
14918 G 3518.41	--Rear, 1.5 miles 093° from front.	25° 33.0' N 109° 04.0' W	<b>Iso.W.</b> period 2s	49 15	12	White pyramidal concrete tower; 10.	
14920 G 3518	<b>Cerro Partido.</b>	25° 32.0' N 109° 06.1' W	<b>Fl.W.</b> period 7s	312 95	22	White cylindrical concrete tower; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
14921 G 3518.6	Punta Pinto.	25° 34.2' N 109° 04.5' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	26 8	5	White cylindrical concrete tower; 10.	
14922 G 3518.7	San Carlos.	25° 35.0' N 109° 03.0' W	<b>Iso.R.</b> period 2s	33 10	5	White cylindrical concrete tower; 10.	
14924 G 3516	Boca de Macapule.	25° 21.8' N 108° 44.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 17	10	White truncated pyramidal tower; 39.	
14925	La Bocanita.	25° 17.9' N 108° 32.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	4	Truncated pyramidal aluminum tower; 26.	
14926 G 3515	Perihuate Range, front.	25° 11.6' N 108° 23.8' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	56 17	10	White truncated pyramidal tower; 39.	
14927 G 3515.1	-Rear.	25° 11.5' N 108° 23.6' W	<b>Iso.W.</b> period 2s	75 23	10	White truncated pyramidal metal tower; 52.	
14928 G 3514.5	La Reforma.	25° 08.0' N 108° 14.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	46 14	12	Truncated pyramidal aluminum tower; 43.	
14932 G 3514.4	Punta Riscion.	25° 07.1' N 108° 19.9' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	56 17	12	White truncated pyramidal metal tower; 49.	
14936 G 3514	Isla Altamura.	24° 48.3' N 108° 06.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 11	10	White truncated pyramidal metal tower; 23.	
14940 G 3513.6	Yameto.	24° 47.0' N 108° 05.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	43 13	10	White round concrete tower; 33.	
14944 G 3513.5	Puerto de Altata.	24° 37.1' N 107° 54.7' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	59 18	13	Truncated pyramidal aluminum tower; 52.	
14952.2 G 3513.25	Punta La Tonina.	24° 30.2' N 107° 40.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	12	Truncated pyramidal metal tower; 49.	
14953 G 3513.2	Rio San Lorenzo.	24° 15.9' N 107° 27.1' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	14	White truncated pyramidal metal tower; 52.	
14960 G 3512	Punta Piaxtla.	23° 40.0' N 106° 48.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	98 30	14	White cylindrical masonry tower, red bands; 36.	
14962	Morro, NW.	23° 15.5' N 106° 27.9' W	<b>Fl.Y.</b> period 2s fl. 0.5s, ec. 1.5s	23 7	5	Yellow concrete pipe; 16.	
14962.1	-SE.	23° 15.5' N 106° 27.9' W	<b>Fl.Y.</b> period 2s fl. 0.5s, ec. 1.5s	23 7	5	Yellow concrete pipe; 16.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
<b>MAZATLAN:</b>							
14964 G 3504.4	-Isla Creston.	23° 10.7' N 106° 25.7' W	<b>Fl.W.</b> period 7s	515 157	33	White four-sided concrete tower, dwelling; 23.	Visible 310°-140°. F.R. on radio mast at Mazatlan appears to vessels to S. to be of same height as this light.
14968 G 3504.6	-Piedra Negra.	23° 10.0' N 106° 25.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	26 8	14	White four-sided concrete column, concrete base; 20.	
14972 G 3506	-Isla Chivos, E. breakwater.	23° 10.7' N 106° 25.1' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	13	Round structure; 13.	
14976 G 3507	-W. breakwater.	23° 10.8' N 106° 25.2' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	69 21	13	Green truncated pyramidal metal tower; 52.	
14977 G 3507.5	-UNAM.	23° 10.9' N 106° 25.4' W	<b>Iso.G.</b> period 2s	23 7	5	Green metal column; 7.	
14978 G 3507.6	-Ferry pier.	23° 11.1' N 106° 25.1' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	30 9	9	Green truncated pyramidal metal tower; 23.	
14979 G 3507.4	-Tourist mole.	23° 11.3' N 106° 25.0' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	30 9	9	Green round metal tower; 20.	
14981 G 3507.2	-Pemex Wharf.	23° 11.4' N 106° 25.0' W	<b>2 Iso.G.</b> period 2s	46 14	12	Two white metal towers; 20.	One light on each.
14985 G 3507.8	-Duques de Alba, S.	23° 11.3' N 106° 24.8' W	<b>Iso.R.</b> period 2s	20 6	4	Red round metal column; 7.	
14985.1 G 3507.9	--N.	23° 11.5' N 106° 24.7' W	<b>Iso.R.</b> period 2s	20 6	4	Red round metal column; 7.	
14988 G 3508	-Piedra Blanca.	23° 11.6' N 106° 24.7' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	30 9	9	Red truncated pyramidal concrete tower; 20.	
14992 G 3504.4	<b>-Harbor entrance channel Range, front.</b>	23° 12.8' N 106° 24.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	62 19	17	Orange truncated pyramidal metal tower; 52.	
14996 G 3504.41	--Rear, 500 meters 024° from front.	23° 13.0' N 106° 24.1' W	<b>Iso.W.</b> period 2s	85 26	17	Orange truncated pyramidal metal tower; 79.	
14997 G 3505	<b>-Harbor channel Range, front.</b>	23° 12.6' N 106° 24.5' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	69 21	17	Orange truncated pyramidal metal tower; 66.	
14997.5 G 3505.1	--Rear, 1485 meters 018° 30' from front.	23° 13.4' N 106° 24.2' W	<b>Iso.W.</b> period 2s	180 55	17	Orange truncated pyramidal metal tower; 52.	
14998 G 3508.6	-W. side.	23° 12.5' N 106° 24.3' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	22 7	6	Green cylindrical concrete tower; 23.	
15000 G 3505.5	<b>-Fishing wharf Range, front.</b>	23° 12.8' N 106° 23.8' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	56 17	17	Orange truncated pyramidal metal tower; 46.	
15000.1 G 3505.51	--Rear, 200 meters, 053°06' from front.	23° 12.8' N 106° 23.7' W	<b>Iso.W.</b> period 2s	62 19	17	Orange truncated pyramidal metal tower; 59.	
15004 G 3502.7	Rio Baluarte.	22° 47.9' N 106° 02.4' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	26 8	9	Truncated pyramidal metal tower; 23.	
15006 G 3502.5	Teacapan.	22° 31.8' N 105° 45.2' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	59 18	14	Truncated pyramidal metal tower; 56.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15007 G 3502.3	Agua Brava.	22° 06.0' N 105° 38.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	9	Red and white checkered truncated pyramidal aluminum tower; 23.	
15008 G 3502	Isla Isabela.	21° 50.0' N 105° 52.8' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	180 55	10	Red and white checkered truncated pyramidal aluminum tower; 36.	
15010 G 3495.5	Boca de Camichin.	21° 46.0' N 105° 31.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	36 11	8	Round concrete tower; 26.	
15012 G 3494	<b>San Blas.</b>	21° 32.2' N 105° 18.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	144 44	18	White cylindrical concrete tower, red bands; 46.	
15014 G 3494.4	-Range, front.	21° 32.0' N 105° 19.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	46 14	10	Red and white checkered truncated pyramidal metal tower, concrete base; 39.	
15015 G 3494.41	--Rear.	21° 32.0' N 105° 19.0' W	<b>Iso.W.</b> period 2s	62 19	11	Red and white checkered truncated pyramidal metal tower, concrete base; 52.	
15016 G 3494.2	-E. jetty.	21° 32.0' N 105° 19.0' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	46 14	7	Red truncated pyramidal aluminum tower, concrete base; 23.	
15020 G 3494.3	-W. jetty.	21° 32.0' N 105° 19.0' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	43 13	7	Green truncated pyramidal aluminum tower, concrete base; 23.	
15021	-Mole, N. head.	21° 32.4' N 105° 17.5' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	16 5	4	Red cylindrical concrete tower; 13.	
15021.1	--S. head.	21° 32.4' N 105° 17.5' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	16 5	4	Red cylindrical concrete tower; 13.	
15022 G 3495	El Asadero.	21° 40.8' N 105° 22.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	125 38	7	Four-sided aluminum structure; 10.	
15024 G 3500	Isla San Juanico.	21° 45.5' N 106° 40.6' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	171 52	9	White truncated pyramidal metal tower; 24.	
15028 G 3498	<b>Isla Maria Madre.</b>	21° 36.6' N 106° 31.9' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	203 62	17	White cylindrical concrete tower; 23.	Visible 165°-314°.
15032 G 3499.6	-Espolon del Diablo.	21° 36.6' N 106° 35.7' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	33 10	8	Truncated pyramidal metal tower; 30.	
15036 G 3499	-Balleto Anchorage, N. mole, head.	21° 38.5' N 106° 33.3' W	<b>Iso.R.</b> period 2s	39 12	6	Red round metal tower; 33.	
15040 G 3499.2	--S. mole, head.	21° 38.5' N 106° 33.3' W	<b>Iso.R.</b> period 2s	39 12	6	Red round metal tower; 33.	
15044 G 3496	Isla Maria Cleofas.	21° 17.4' N 106° 14.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	492 150	10	White truncated pyramidal metal tower; 24.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15048 G 3493	Chacala.	21° 10.8' N 105° 15.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	98 30	10	Red and white checkered truncated pyramidal aluminum tower; 36.	
15050 G 3492.8	Isla de Los Pelicanos.	21° 03.0' N 105° 17.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	108 33	9	Round concrete tower; 26.	
15052 G 3490	Roca Corbetena.	20° 43.7' N 105° 51.2' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	Round aluminum tower, truncated pyramidal concrete base; 20.	
15056 G 3492	Punta de Mita.	20° 45.4' N 105° 33.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 17	10	Red truncated pyramidal concrete tower; 52.	
15056.5 G 3492.4	Corral del Risco, breakwater.	20° 46.0' N 105° 31.0' W	<b>Fl.G.</b> period 6s fl. 1s, ec. 5s	23 7	5	White concrete obelisk, cylindrical base; 10.	
15057 G 3492.6	Huanacastle.	20° 44.0' N 105° 24.0' W	<b>Fl.G.</b> period 6s fl. 1s, ec. 5s	26 8	6	Green truncated pyramidal aluminum tower; 23.	
15060 G 3491	Isla Marieta.	20° 40.8' N 105° 36.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	75 23	10	Red truncated pyramidal metal tower; 36.	
15061 G 3491.4	-La Redonda.	20° 41.0' N 105° 36.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	282 86	9	Red truncated pyramidal metal tower; 24.	
<b>PUERTO VALLARTA:</b>							
15064 G 3484	-Aramara.	20° 39.5' N 105° 14.4' W	<b>Dir.Iso.W.R.G.</b> period 4s	115 35	10	White and red round structure; 105.	R. 051°18'-052°30'. W.-053°30', G.-054°48'.
15072 G 3485	-Inner breakwater, N. head.	20° 39.3' N 105° 14.9' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	7	Green truncated pyramidal metal tower; 26.	
15076 G 3485.2	--S. head.	20° 39.2' N 105° 14.7' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	7	Red truncated pyramidal metal tower; 26.	
15076.2	--Range, front.	20° 39.4' N 105° 15.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	20 6	10	White round metal structure, red bands; 16.	
15076.3	---Rear, 270° from front.	20° 39.4' N 105° 15.3' W	<b>Iso.W.</b> period 2s	23 7	10	White round metal structure, red bands; 16.	
15077 G 3483	Yelapa.	20° 30.5' N 105° 25.5' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	279 85	10	White truncated pyramidal metal structure; 23.	
15080 G 3482	<b>Cabo Corrientes.</b>	20° 24.0' N 105° 42.8' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	305 93	18	White truncated pyramidal octagonal tower, red cupola; 20.	
	RACON		<b>O(---)</b>		20		(3 & 10cm).

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15084 G 3481.8	Punta Ipala.	20° 13.6' N 105° 35.4' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	315 96	10	White truncated pyramidal metal tower; 36.	
15085 G 3481.6	Roca Negra.	19° 46.0' N 105° 21.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	102 31	7	White truncated pyramidal metal tower; 23.	
15085.5 G 3481.57	Punta Chalacatepec.	19° 41.0' N 105° 16.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	39 12	10	Cylindrical concrete tower; 23.	
15086 G 3481.5	-Careyes Range, front.	19° 25.0' N 105° 02.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	75 23	7	White round tower, red bands; 16.	
15087 G 3481.51	--Rear.	19° 25.0' N 105° 02.0' W	<b>Iso.W.</b> period 2s	180 55	7	White round tower, red bands; 16.	
15088 G 3481.4	-Punta Farrallon.	19° 22.4' N 105° 01.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	203 62	15	White cylindrical concrete tower; 72.	
15091	Bahia Navidad.	19° 12.1' N 104° 40.8' W	<b>L.Fl.W.</b> period 10s fl. 2s, ec. 8s			Round metal tower; 7.	
15092 G 3481	Punta Graham.	19° 10.5' N 104° 41.4' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	656 200	20	Truncated pyramidal aluminum tower; 23.	Emergency light.
15093 G 3480.57	Morro Carrizal.	19° 05.2' N 104° 26.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	89 27	11	Truncated pyramidal metal tower; 24.	
15096 G 3480.6	-AVIATION LIGHT.	19° 09.1' N 104° 33.0' W	<b>Al.W.G.</b> period 10s		15		
15098 G 3480.54	Las Hadas Marina, N. breakwater.	19° 06.0' N 104° 20.7' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	23 7	5	Cylindrical concrete tower; 23.	
15098.2 G 3480.55	-S. breakwater.	19° 06.0' N 104° 20.7' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	23 7	5	Cylindrical concrete tower; 23.	
15100 G 3477	Los Frailes, SE. Rock.	19° 04.6' N 104° 23.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	30 9	10	Round metal tower; 7.	
15104 G 3478	Manzanillo, breakwater, head.	19° 03.7' N 104° 18.9' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	52 16	7	Cylindrical concrete tower; 24.	
15116 G 3480.2	-N. breakwater.	19° 03.7' N 104° 18.3' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	39 12	7	Cylindrical concrete column; 20.	
15120 G 3480	-S. breakwater.	19° 03.6' N 104° 18.3' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	7	Cylindrical concrete tower; 20.	
15132 G 3480.4	-San Pedrito Range, front.	19° 03.8' N 104° 17.4' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	79 24	10	Truncated pyramidal metal tower; 39.	
15136 G 3480.41	--Rear, 350 meters 077° from front.	19° 03.8' N 104° 17.3' W	<b>Iso.W.</b> period 2s	89 27	10	Truncated pyramidal metal tower; 23.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15140 G 3476	<b>Punta Campos.</b>	19° 01.3' N 104° 20.1' W	<b>Fl.W.</b> period 5s fl. 0.5s, ec. 4.5s	358 109	20	White octagonal concrete tower, dwelling; 36.	
ISLAS REVILLAGIGEDO:							
15144 G 3474	-Isla Socorro.	18° 43.3' N 110° 56.7' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	443 135	10	Truncated pyramidal metal tower; 24.	
15146 G 3473	Cabeza Negra.	18° 35.7' N 103° 42.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	262 80	8	Truncated pyramidal aluminum tower; 23.	
15148 G 3475	-Isla Clarion.	18° 20.8' N 114° 44.2' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	115 35	10	Truncated pyramidal metal tower; 24.	
15152 G 3472	<b>Punta San Telmo.</b>	18° 19.8' N 103° 29.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	230 70	18	White four-sided concrete tower, red bands; 39.	Visible 279°-149°.
15156 G 3471	<b>Bufadero Bluff.</b>	18° 03.7' N 102° 44.9' W	<b>Fl.(4)W.</b> period 16s	138 42	18	White four-sided masonry tower, red bands; 52.	
15160 G 3469	<b>Lazaro Cardenas.</b>	17° 55.3' N 102° 10.1' W	<b>Fl.W.</b> period 7s	115 35	19	White cylindrical concrete tower, black bands; 118.	
15160.5 G 3470.4	-Entrance Range, front.	17° 56.3' N 102° 11.1' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	59 18	12	Truncated pyramidal metal tower, acrylic daymark; 43.	
15161 G 3470.41	--Rear, 310 meters 302°25' from front.	17° 56.3' N 102° 11.2' W	<b>Iso.W.</b> period 2s	69 21	12	Truncated pyramidal metal tower, acrylic daymark; 59.	
15164 G 3470	-E. breakwater.	17° 55.6' N 102° 09.8' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	30 9	5	Red truncated pyramidal aluminum tower; 23.	
15168 G 3470.2	-W. breakwater.	17° 55.3' N 102° 09.8' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	30 9	5	Green truncated pyramidal aluminum tower; 23.	
15177 G 3470.5	-Canal Industrial Range, front.	17° 57.2' N 102° 10.1' W	<b>Oc.Y.</b> period 3s lt. 2s, ec. 1s	52 16	12	Pyramidal aluminum beacon; 33.	
15178 G 3470.51	--Rear, 50 meters 033° from front.	17° 57.3' N 102° 10.0' W	<b>Iso.Y.</b> period 2s	62 19	12	Pyramidal aluminum beacon; 33.	
15180 G 3466	<b>Punta Garrobo.</b>	17° 37.1' N 101° 32.9' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	377 115	18	White four-sided concrete tower; 42.	Visible 270°-132°.
15182 G 3465.9	Zihuatanejo wharf.	17° 38.0' N 101° 33.0' W	<b>Iso.R.</b> period 2s	16 5	7	Red metal post; 10.	
15184 G 3467	La Solitaria (Piedras Negras).	17° 35.5' N 101° 33.5' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	62 19	14	White truncated pyramidal aluminum tower; 23.	
15185 G 3465.8	Punta Gorda.	17° 32.0' N 101° 27.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	394 120	14	Truncated pyramidal aluminum tower; 23.	
15188 G 3468	Isla Grande (Piedra Ahogada).	17° 40.7' N 101° 39.9' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	14	White truncated pyramidal aluminum tower; 23.	



(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15190 G 3465.75	Punta Japutica.	17° 23.5' N 101° 10.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	98 30	10	White cylindrical concrete tower; 16.	
15192 G 3465.7	El Calvario.	17° 23.4' N 101° 09.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	492 150	14	Truncated pyramidal aluminum tower; 23.	
15196 G 3465	Morro De Papanoa.	17° 16.1' N 101° 03.2' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	427 130	14	Truncated pyramidal aluminum tower; 39.	
15197 G 3464.5	Puerto Vicente, N. breakwater.	17° 16.8' N 101° 03.0' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	13	Truncated pyramidal metal tower; 23.	
15198 G 3464.6	-S. breakwater.	17° 16.8' N 101° 03.1' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	36 11	7	White truncated pyramidal metal tower; 24.	
15200 G 3459	Punta Lorenz.	16° 49.7' N 99° 54.9' W	<b>Fl.W.</b> period 3s fl. 0.5s, ec. 2.5s	118 36	10	White round concrete tower, red bands; 16.	Visible 021°-141°.
15204 G 3460	La Roqueta, N. point of island.	16° 49.5' N 99° 54.5' W	<b>Fl.W.</b> period 2s fl. 0.5s, ec. 1.5s	75 23	7	White round concrete tower, black bands; 33.	
15208 G 3456	<b>La Roqueta Island.</b>	16° 49.2' N 99° 54.4' W	<b>Fl.W.</b> period 10s	377 115	25	White cylindrical concrete tower; 49.	Visible 220°-137°.
	RACON		<b>Q(- - • -)</b>		20		(3 & 10cm).
BAHIA DE ACAPULCO:							
15212 G 3456.4	-Yerbabuena.	16° 49.4' N 99° 53.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	43 13	10	Truncated pyramidal aluminum tower; 23.	
15216 G 3461	-Punta Grifo.	16° 50.2' N 99° 53.6' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	115 35	10	White truncated pyramidal concrete tower; 23.	
15217 G 3463	-Tourist wharf, E. end.	16° 50.9' N 99° 54.0' W	<b>Iso.R.</b> period 2s	20 6	7	Red round metal tower; 16.	
15218 G 3463.2	-Commercial wharf, W. end.	16° 50.9' N 99° 54.4' W	<b>Iso.G.</b> period 2s	20 6	7	Green round metal tower; 16.	
15220 G 3463.6	-Las Dos Piedras (White Rocks), W. rock.	16° 50.7' N 99° 54.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	16 5	7	Red round concrete tower; 10.	
15222 G 3463.64	-Punta Sirena mole, N. end.	16° 50.3' N 99° 54.5' W	<b>Iso.R.</b> period 2s	13 4	5	Metal tower; 13.	
15222.1 G 3463.65	--S. end.	16° 50.3' N 99° 54.5' W	<b>Iso.G.</b> period 2s	13 4	5	Metal tower; 13.	
15222.2 G 3463.66	--Margin.	16° 50.3' N 99° 54.5' W	<b>Iso.Y.</b> period 2s	23 7	3	Metal tower; 13.	
15224 G 3457	<b>Punta Brujas.</b>	16° 48.9' N 99° 52.6' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	20	White truncated pyramidal metal tower, red band; 13.	Visible 320°-094°.
15228 G 3454	Puerto Marques.	16° 48.2' N 99° 50.4' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	16 5	9	White round metal tower; 10.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15229	-El Fraile, SE.	16° 48.5' N 99° 50.5' W	<b>Iso.G.</b> period 2s	20 6	5	White round metal tower; 16.	
15229.1	--NW.	16° 48.5' N 99° 50.5' W	<b>Iso.R.</b> period 2s	20 6	5	White round metal tower; 16.	
15232 G 3453	AVIATION LIGHT.	16° 45.7' N 99° 45.2' W	<b>Al.W.G.</b>				
15234 G 3452.7	Nexpa.	16° 36.0' N 99° 04.3' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	39 12	10	Truncated pyramidal aluminum tower; 23.	
15236 G 3452.5	Acamama.	16° 33.0' N 98° 52.0' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	48 15	10	White round concrete tower; 33.	
15238 G 3452.2	Barra de Tecoaapa.	16° 31.0' N 98° 35.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	33 10	10	White round metal tower; 26.	
15240	<b>Punta Maldonado.</b>	16° 19.2' N 98° 34.3' W	<b>Fl.(2)W.</b> period 6s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	15	White square concrete tower; 49.	
15240.5	-Drydock.	16° 19.6' N 98° 34.0' W	<b>Iso.W.</b> period 2s			White round tower on drydock; 16.	
15242 G 3450	El Corralero.	16° 12.5' N 98° 12.1' W	<b>Fl.R.</b> period 6s fl. 1s, ec. 5s	66 20	10	White truncated pyramidal metal tower; 24.	
15244 G 3448	Punta Galera.	15° 56.8' N 97° 42.0' W	<b>Fl.(3)W.</b> period 12s	105 32	12	White square truncated pyramidal concrete tower; 23.	
15248 G 3447	Cerro Hermoso.	15° 57.1' N 97° 32.0' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	36 11	10	White truncated pyramidal metal tower; 24.	
15252 G 3446	<b>Puerto Escondido.</b>	15° 51.0' N 97° 04.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	131 40	16	White octagonal concrete tower; 49.	
15253 G 3445.5	Punta Zicatela.	15° 48.8' N 97° 02.7' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	36 11	6	White truncated pyramidal masonry tower; 26.	
15254 G 3444.2	-Puerto Angel Range, front.	15° 39.5' N 96° 31.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	26 8	8	White cylindrical concrete tower; 26.	
15255 G 3444.21	--Rear.	15° 39.5' N 96° 31.2' W	<b>Iso.W.</b> period 2s	33 10	8	White cylindrical concrete tower; 33.	
15256 G 3444	<b>Puerto Angel.</b>	15° 38.8' N 96° 31.3' W	<b>Fl.W.</b> period 5s	184 56	20	White octagonal masonry tower, dwelling; 46.	Visible 266°-094°.
15257 G 3444.3	-Wharf.	15° 39.5' N 96° 31.3' W	<b>Iso.G.</b> period 2s	16 5	5	Green round concrete tower; 15.	
15258 G 3444.4	-Wharf.	15° 39.5' N 96° 31.3' W	<b>Iso.R.</b> period 2s	13 4	5	Red cylindrical concrete tower; 15.	
15260 G 3442	<b>Huatulco.</b>	15° 44.3' N 96° 07.7' W	<b>Fl.(3)W.</b> period 18s	197 60	15	White octagonal concrete tower, black bands; 49.	
15261 G 3442.2	-Islote La Blanca.	15° 44.9' N 96° 07.2' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	49 15	6	White round concrete tower; 13.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15262 G 3442.4	-Punta La Entrega.	15° 44.7' N 96° 07.5' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	4	Green round concrete tower; 13.	
15263 G 3442.6	-Punta Paraiso.	15° 45.0' N 96° 07.5' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	5	Red round concrete tower; 13.	
15264 G 3440	Morro Ayutla.	15° 52.5' N 95° 46.9' W	<b>Fl.(4)W.</b> period 16s	138 42	10	White round concrete tower; 36.	
SALINA CRUZ:							
15272 G 3432	<b>-Morro de Salinas.</b>	16° 09.7' N 95° 12.2' W	<b>Fl.W.</b> period 8s	272 83	20	White octagonal masonry tower; 46.	Visible 265°-048°.
15273 G 3436	-Muelle Fiscal.	16° 09.1' N 95° 12.8' W	<b>Fl.G.</b> period 3s fl. 0.5s, ec. 2.5s	7 2	3	Green cylindrical buoy.	
15273.3 G 3435.5	-E. Pemex Range, front.	16° 09.6' N 95° 12.5' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	23 7	5	White cylindrical tower; 23.	
15273.31 G 3455.51	--Rear, 95 meters 000° from front.	16° 09.6' N 95° 12.5' W	<b>Iso.W.</b> period 2s	33 10	5	White cylindrical tower; 33.	
15273.7 G 3436.05	-W. Pemex Range, front.	16° 09.6' N 95° 12.6' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	23 7	5	Cylindrical tower; 23.	
15273.71 G 3436.06	--Rear, 95 meters 000° from front.	16° 09.6' N 95° 12.6' W	<b>Iso.W.</b> period 2s	33 10	5	White cylindrical tower; 33.	
15274 G 3436.2	-Puente Fiscal.	16° 08.8' N 95° 12.2' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	7 2	3	Red cylindrical buoy.	
15276 G 3434	-W. breakwater, head.	16° 09.6' N 95° 11.8' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	43 13	9	Green cylindrical concrete tower; 23.	
15280 G 3433	-E. breakwater, head.	16° 09.7' N 95° 11.7' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	43 13	9	Red cylindrical concrete tower; 23.	
15282 G 3434.4	-LPG Muelle No. 7.	16° 09.9' N 95° 12.0' W	<b>Iso.R.</b> period 2s	16 5	3	Cylindrical metal tower; 16.	
15282.1 G 3434.3	--S. dolphin.	16° 09.9' N 95° 12.0' W	<b>Iso.R.</b> period 2s	26 8	3	Green cylindrical tower; 26.	
15282.2 G 3434.45	--N. dolphin.	16° 09.9' N 95° 12.0' W	<b>Iso.R.</b> period 2s	26 8	3	Green cylindrical metal tower; 26.	
15284 G 3435	-Salina Cruz Range, front.	16° 10.4' N 95° 12.0' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	243 74	13	White truncated pyramidal metal tower; 43.	
15288 G 3435.1	--Rear, 280 meters 345°30' from front.	16° 10.6' N 95° 12.0' W	<b>Iso.W.</b> period 2s	220 67	13	White truncated pyramidal metal tower; 43.	
15290 G 3434.2	-Inner Harbor, E side.	16° 10.1' N 95° 11.8' W	<b>Fl.R.</b> period 5s fl. 0.5s, ec. 4.5s	20 6	6	Red cylindrical concrete tower; 15.	
15290.5 G 3431.7	-Punta Cortes.	16° 10.2' N 95° 09.2' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 1s fl. 1s, ec. 7s	98 30	10	Rectangular masonry tower; 26.	
15291 G 3434.25	--W. side.	16° 10.1' N 95° 11.9' W	<b>Fl.G.</b> period 5s fl. 0.5s, ec. 4.5s	23 7	5	Green cylindrical concrete tower; 15.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15292 G 3431	San Francisco.	16° 13.0' N 94° 48.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	56 17	10	Cylindrical concrete tower, red and yellow bands; 39.	
15296 G 3431.5	San Dionisio Del Mar.	16° 16.0' N 94° 46.0' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	56 17	10	White cylindrical concrete tower; 33.	
15300 G 3430	La Chichi.	16° 11.3' N 94° 28.0' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	49 15	10	White cylindrical concrete tower; 39.	
15304 G 3429	La Soledad.	16° 04.3' N 94° 09.5' W	<b>Fl.W.</b> period 6s fl. 1s, ec. 5s	49 15	10	Cylindrical concrete tower, red and white diagonal stripes; 39.	
15306 G 3428.5	Paredon.	16° 02.7' N 93° 52.5' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	36 11	10	White cylindrical concrete tower; 33.	
15308 G 3428	Puerto Arista.	15° 56.8' N 93° 50.1' W	<b>Fl.(2)W.</b> period 10s fl. 1s, ec. 2s fl. 1s, ec. 6s	85 26	12	White cylindrical concrete tower; 79.	Visible 288°-122°.
15312 G 3426	Santa Cruz.	15° 33.8' N 93° 18.8' W	<b>Fl.(3)W.</b> period 12s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 5s	59 18	10	Red truncated conical aluminum tower, red and yellow bands, cylindrical concrete base; 52.	
15316 G 3425	Barra San Juan.	15° 08.3' N 92° 50.5' W	<b>Fl.(4)W.</b> period 16s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 2s fl. 1s, ec. 6s	59 18	10	Truncated conical aluminum tower, red and yellow bands, cylindrical concrete base; 52.	
15320 G 3422	Tapachula, AVIATION LIGHT.	14° 54.2' N 92° 17.3' W	<b>Al.FI.W.R.</b> period 5s	197 60			Occasional. Private light.
15324 G 3424	<b>Puerto Madero.</b>	14° 42.3' N 92° 24.6' W	<b>Fl.W.</b> period 5s	72 22	15	Cylindrical concrete tower, red and white bands; 72.	
PUERTO MADERO:							
15328 G 3424.2	-W. breakwater.	14° 42.0' N 92° 24.7' W	<b>Fl.G.</b> period 5s fl. 1s, ec. 4s	26 8	10	White cylindrical concrete tower; 23.	
15332 G 3424.22	-E. breakwater.	14° 41.6' N 92° 24.9' W	<b>Fl.R.</b> period 5s fl. 1s, ec. 4s	30 9	10	Cylindrical aluminum tower, concrete base; 26.	
15333 G 3424.9	Muelle de Pesca, No. 1.	14° 42.2' N 92° 23.8' W	<b>Iso.R.</b> period 2s	13 4	3	Cylindrical fiberglass tower; 13.	
15334 G 3424.7	Muelle Fiscal, No. 3.	14° 42.2' N 92° 23.9' W	<b>Iso.G.</b> period 2s	13 4	3	Cylindrical fiberglass tower; 13.	
15336 G 3424.4	<b>-Entrance Range, front.</b>	14° 42.6' N 92° 23.9' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	39 12	15	Truncated pyramidal aluminum tower, daymark, concrete base; 42.	
15340 G 3424.41	--Rear, 250 meters 044° from front.	14° 42.7' N 92° 23.8' W	<b>Iso.W.</b> period 2s	79 24	13	Truncated pyramidal aluminum tower, daymark, concrete base; 58.	
15341 G 3424.8	-Muelle de Pesca Range, front.	14° 42.2' N 92° 23.5' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	33 10	9	Truncated pyramidal metal tower; 30.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>MEXICO</b>							
15342 <i>G 3424.81</i>	--Rear, 250 meters 099° from front.	14° 42.1' N 92° 23.3' W	<b>Iso.W.</b> period 2s	66 20	11	Truncated pyramidal metal tower; 59.	
15345 <i>G 3424.6</i>	-Muelle Fiscal Range, front.	14° 43.3' N 92° 24.2' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	59 18	13	Truncated pyramidal aluminum tower, daymark, concrete base; 62.	
15346 <i>G 3424.61</i>	--Rear, 270 meters 006° from front.	14° 43.4' N 92° 24.1' W	<b>Iso.W.</b> period 2s	79 24	13	Truncated pyramidal aluminum tower, daymark, concrete base; 79.	
15350 <i>G 3404</i>	El Gancho Range, front.	14° 33.1' N 92° 15.9' W	<b>Fl.W.</b> period 3s fl. 1s, ec. 2s	69 21	14	White cylindrical concrete tower; 59.	
15351 <i>G 3404.1</i>	-Rear.	14° 33.2' N 92° 14.8' W	<b>Iso.W.</b> period 2s	82 25	15	White cylindrical concrete tower; 66.	
<b>GUATEMALA</b>							
15354 <i>G 3397</i>	Ocos, border light, front.	14° 31.8' N 92° 13.2' W	<b>Fl.W.</b> period 4s	49 15			
15354.5 <i>G 3397.5</i>	-Rear.	14° 31.9' N 92° 13.1' W	<b>Fl.W.</b> period 4s	95 29			
15355 <i>G 3394</i>	Champerico, near pier, head.	14° 17.7' N 91° 54.8' W	<b>Iso.W.</b> period 4s	68 21	13	Tower on concrete tank.	
15356 <i>G 3390</i>	<b>San Jose.</b>	13° 55.1' N 90° 49.1' W	<b>Iso.W.</b> period 20s	92 28	15	White framework tower, red bands, white tank.	<b>Aero Radiobeacon</b> 6 miles ENE.
PUERTO QUETZAL:							
15361 <i>G 3385</i>	-Entrance Range, front.	13° 55.2' N 90° 47.5' W	<b>Q.W.</b>	43 13	12	White framework tower, red rectangular daymark, white stripe.	
15361.5 <i>G 3385.1</i>	--Rear, about 200 meters 295° from front.	13° 55.3' N 90° 47.6' W	<b>Oc.W.</b> period 4s	59 18	12	Tower, red rectangular daymark, white stripe.	
15362 <i>G 3386</i>	-No 1, S. breakwater.	13° 55.3' N 90° 47.6' W	<b>Q.G.</b>	39 12	4	Green square daymark.	
15362.5 <i>G 3386.4</i>	-No 2, N. breakwater.	13° 55.1' N 90° 47.1' W	<b>Q.R.</b>	43 13	4	Red triangular daymark point up.	
15363 <i>G 3386.8</i>	-No. 4.	13° 55.2' N 90° 47.3' W	<b>Q.Y.</b>			Yellow post, yellow triangular daymark point up.	
15363.5 <i>G 3386.6</i>	-AVIATION LIGHT.	13° 55.4' N 90° 46.9' W	<b>Fl.(2)W.</b> period 5s	98 30	15	Red metal framework tower, white bands.	
<b>EL SALVADOR</b>							
15364 <i>G 3380</i>	Acajutla.	13° 34.9' N 89° 50.0' W	<b>Iso.W.</b> period 24s	82 25	8	White metal framework tower; 30.	
15368 <i>G 3382</i>	-National pier, head.	13° 34.7' N 89° 50.5' W	<b>Iso.R.</b> period 4s	69 21	7	Metal framework tower; 52.	
15372 <i>G 3378</i>	Punta Remedios.	13° 31.4' N 89° 48.3' W	<b>L.Fl.W.</b> period 20s fl. 2s, ec. 18s	82 25	14	White metal framework tower; 39.	
15384 <i>G 3366</i>	Punta Chiquirin, S. extremity.	13° 17.5' N 87° 46.8' W	<b>L.Fl.W.</b> period 13s	68 21	10	Aluminum tower, concrete base.	
15388 <i>G 3367</i>	Isla Zacatillo (Isla Punta Zacate), NW. side of island.	13° 18.7' N 87° 46.1' W	<b>L.Fl.W.</b> period 14s	60 18	5	Aluminum tower, concrete base.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>EL SALVADOR</b>							
15392 G 3370	Port of La Union, SE. pier.	13° 20.1' N 87° 49.2' W	<b>Fl.Y.</b> period 5s				
15392.4 G 3370.2	-Center pier.	13° 20.1' N 87° 49.2' W	<b>Fl.Y.</b> period 5s				
15392.8 G 3370.4	-NW pier.	13° 20.2' N 87° 49.3' W	<b>Fl.Y.</b> period 5s				
15393 G 3363	Isla del Tigre.	13° 16.5' N 87° 38.5' W	<b>Iso.R.</b> period 2s				
15394 G 3362	Punta Amapala.	13° 09.4' N 87° 54.0' W	<b>Fl.W.</b> period 15s fl. 1.5s, ec. 13.5s	90 27	12	Square aluminum framework tower.	
<b>NICARAGUA</b>							
15398 G 3356	Islas Farallones.	13° 04.8' N 87° 40.9' W	<b>Q. W.</b>				
PUERTO CORINTO:							
15400 G 3352	-Morro Cardon, N. point of Isla El Cardon.	12° 28.5' N 87° 11.4' W	<b>L.Fl.W.</b> period 10s fl. 3s, ec. 7s	87 27	10	White round concrete tower with red lantern; 43.	
15404 G 3353	-Entrance Range No. 1, front.	12° 29.1' N 87° 10.7' W	<b>F.R.</b>			Beacon.	
15408 G 3353.1	--Rear, No. 2, 720 meters 076°42' from front.	12° 29.2' N 87° 10.2' W	<b>Fl.R.</b> period 10s			Beacon.	
15412 G 3354	-Dona Paula Range, No. 3, on Castanones Peninsula, front.	12° 27.9' N 87° 10.2' W	<b>F.G.</b>			Beacon.	
15416 G 3354.1	--Rear, No. 4, 810 meters 122°24' from front.	12° 27.7' N 87° 09.9' W	<b>Fl.G.</b> period 4s			Beacon.	
15420 G 3355	-Isla En Cantada Range, No. 5, front.	12° 28.8' N 87° 09.2' W	<b>F.R.</b>			Beacon.	
15424 G 3355.1	--Rear, No. 6, 250 meters 074°32' from front.	12° 28.9' N 87° 09.1' W	<b>Fl.R.</b> period 10s			Beacon.	
15428 G 3351.4	Puerto Somoza.	12° 11.7' N 86° 44.7' W	<b>Fl.W.</b> period 10s				
PUERTO SONDINO:							
15432 G 3351.6	-Range, front.	12° 11.4' N 86° 45.8' W	<b>F.G.</b>			10 Black and white checkered tower.	
15436 G 3351.7	--Rear, 245 meters 080° from front.	12° 11.5' N 86° 45.7' W	<b>Oc.G.</b> period 9s fl. 7s, ec. 2s			10 Black and white checkered tower.	
15440 G 3350	<b>San Juan del Sur.</b>	11° 14.6' N 85° 52.9' W	<b>Fl.W.</b> period 6s	100 30	16	White round wooden tower with red lantern; 15.	
15444 G 3351	-Head of bay, Range, front.	11° 15.4' N 85° 52.4' W	<b>Fl.R.</b> period 6s fl. 1s, ec. 5s	33 10	5	Building, green roof; 33.	
15448 G 3351.1	--Rear, 213 meters 067° from front.	11° 15.4' N 85° 52.3' W	<b>F.R.</b>	53 16	5	White tower.	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
<b>COSTA RICA</b>							
15454 G 3322	Puerto Caldera.	9° 54.8' N 84° 43.5' W	<b>Fl.R.</b> period 5s				
GOLFO DE NICOYA:							
15456 G 3320	-Puntarenas pier.	9° 58.2' N 84° 49.8' W	<b>Iso.R.</b> period 2s				
15460 G 3316	<b>Isla Herradura.</b>	9° 37.7' N 84° 40.5' W	<b>Fl.(4)W.</b> period 10s	325	15	Metal framework tower; 39.	
15462 G 3346	<b>Isla Cabo Blanco.</b>	9° 32.5' N 85° 06.7' W	<b>Fl.(2)W.</b> period 18s		20		
QUEPOS ANCHORAGE:							
15464 G 3310	-Punta Quepos.	9° 23.8' N 84° 10.5' W	<b>Fl.W.</b> period 3s fl. 0.5s, ec. 2.5s	511	8	Metal framework tower; 39.	Visible 295°-192°.
15468 G 3306	Isla del Cano, W. end.	8° 42.9' N 83° 53.8' W	<b>Fl.W.</b> period 4s fl. 0.5s, ec. 3.5s	207	12	Metal framework tower with red lantern; 72.	Visible 311°-247°.
15469 G 3282	Cabo Matapalo.	8° 22.5' N 83° 17.5' W	<b>Fl.W.</b> period 10s				
15470 G 3282.5	Punta Banco.	8° 21.6' N 83° 08.0' W	<b>Fl.(2)W.</b> period 15s				
15472 G 3284	Golfito, Curupacha Point, W. of entrance.	8° 38.0' N 83° 13.0' W	<b>Fl.W.</b> period 4s	300	12	Yellow metal framework tower.	
GOLFITO HARBOR:							
15476 G 3288	-Beacon H, S. side of entrance, 926 meters S. of Voladero Pt.	8° 36.8' N 83° 11.0' W	<b>Fl.R.</b> period 3s fl. 0.5s, ec. 2.5s	30		Red metal framework tower.	<b>Radar reflector.</b>
15480 G 3290	-Beacon A, N. side of entrance of Voladero Pt.	8° 37.3' N 83° 10.9' W	<b>Q.G.</b>	15		Green metal framework tower.	
15484 G 3286	-Beacon, entrance Range, front.	8° 38.1' N 83° 09.8' W	<b>F.R.</b>			White diamond daymark, black stripe.	
15488 G 3286.1	--Rear, about 6 meters 047° from front.	8° 38.1' N 83° 09.8' W	<b>F.R.</b>			White diamond daymark, black stripe.	
15490 G 3285	-Beacon, Inner Harbor Range, front.	8° 38.1' N 83° 10.0' W	<b>F.G.</b>			Orange triangular daymark point up.	
15491 G 3285.1	--Rear, about 500 meters 037° from front.	8° 38.4' N 83° 09.8' W	<b>F.G.</b>			Roof, orange triangular daymark point up.	

# Section 15

## Radiobeacons

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
<b>CHILE</b>							
10	Punta Arenos	53° 00.4' S 70° 51.8' W	<b>NAS</b> (- • - - •••).	330		270 NON, A2A.	AERO.
20	Isla Guarello	50° 21.6' S 75° 20.1' W	<b>IGU</b> (•• - - - ••-).	180		315 A2A.	AERO.
25	Isla San Pedro	47° 43.2' S 74° 53.0' W	<b>ISP</b> (•• ••• • - - •).	240		295 NON, A2A.	
30	Chaiten	42° 55.3' S 72° 43.0' W	<b>TEN</b> (- • - •).	150		234 A2A.	AERO. Transmits Monday-Saturday between 1200Z-1500Z and 2200Z-2359Z. Transmits Sunday between 2200Z-2359Z.
40	Punta Corona Light Station	41° 47.1' S 73° 53.3' W	<b>CONA</b> (- • - • - - - - • - - ). period 10s tr 7.3s si 2.7s	108		290 NON, A2A.	
70	Constitucion	35° 18.2' S 72° 23.0' W	<b>CTN</b> (- • - • - - •).	240		340 A2A.	AERO.
80	Santo Domingo	33° 38.0' S 71° 38.0' W	<b>SNO</b> (•••• - - - - -).	400		355 A2A.	AERO.
100	Quintero	32° 44.4' S 71° 30.1' W	<b>ERO</b> (• ••• - - - -).	85		384 A2A.	AERO.
110	Tongoy	30° 15.8' S 71° 29.5' W	<b>TOY</b> (- - - - - • - - -).	400		260 A2A.	AERO.
130	Caldera	27° 04.4' S 70° 49.9' W	<b>CLD</b> (- • - • •••• - ••).	125		227 A2A.	AERO.
140	Mejillones	23° 06.4' S 70° 27.4' W	<b>MJL</b> (- - • - - - • - ••).	240		240 A2A.	AERO.
150	Iquique/Cavanca	20° 34.0' S 70° 10.9' W	<b>UCU</b> (••- - - - •••-).	170		368 A2A.	AERO.
160	Arica	18° 21.0' S 70° 19.4' W	<b>ARI</b> (• - ••• ••).	240		340 A2A.	AERO.
<b>PERU</b>							
190	Salinas	11° 17.6' S 77° 34.1' W	<b>SLS</b> (••• •••• •••).	150		390 A2A.	AERO.
200	Isla Mazorca Light Station	11° 22.6' S 77° 44.5' W	<b>P</b> (• - - •). period 360s tr 60s si 300s	25		310.4 A2A.	
210	Trujillo	8° 05.4' S 79° 06.8' W	<b>TRU</b> (- ••• ••-).	200		400 A2A.	AERO.
230	Chiclayo	6° 46.5' S 79° 50.0' W	<b>HIC</b> (••••• •• - - - •).	250		320 A2A.	AERO.



(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
<b>ECUADOR</b>							
250	Machala	3° 16.0' S 79° 59.0' W	<b>MHL</b> (-- •••• ••••).	50		250 NON, A2A.	AERO.
260	Santa Elena	2° 11.0' S 80° 59.7' W	<b>ST</b> (•••• -). period 60s tr (interrupted by a long dash) 50s si 10s	200	I, IV	292 NON, A2A.	
262	Esmeraldas	0° 59.1' S 79° 40.5' W	<b>ED</b> (• - •••). period 60s tr (interrupted by a long dash) 50s si 10s	200	II, V	292 NON, A2A.	
264	Isla San Cristobal (Galapagos Islands)	0° 55.6' S 89° 30.7' W	<b>IC</b> (•• - •••• •). period 60s tr (interrupted by a long dash) 50s si 10s	200	III, VI	292 NON, A2A.	
<b>COLOMBIA</b>							
280	Guapi	2° 36.0' N 78° 05.0' W	<b>GPI</b> (-- • • - - • • •).	216		307	AERO. Transmits between the hours of 1100Z-1900Z.
<b>PANAMA - PACIFIC COAST</b>							
310	Taboga	8° 47.2' N 79° 33.7' W	<b>TBG</b> (- - •••• - - •).	500		311 A2A.	AERO.
320	David	8° 23.3' N 82° 25.7' W	<b>TA</b> (- • -).	100		350 A2A.	AERO.
<b>GUATEMALA</b>							
330	Iztapa	13° 56.0' N 90° 44.0' W	<b>IZP</b> (•• - - •• • - - •).	170		400	AERO.
<b>UNITED STATES</b>							
430	San Clemente Island, California	33° 02.0' N 118° 34.0' W	<b>NUC</b> (- • ••• - - •••).			350	AERO.
840	Ediz Hook Light Station, Washington	48° 08.4' N 123° 24.1' W	<b>K</b> (- • -). period 60s tr 50s (-) 10s	20		317 A2A.	
854	Race Rocks Light Station, Canada	48° 17.9' N 123° 31.8' W	<b>J</b> (• - - -). period 360s tr(3) 60s si 300s	40	IV	314 A2A.	Carrier signal.
860	Neah Bay, Washington	48° 21.0' N 124° 33.0' W	<b>EBY</b> (• - •••• - - - -).			391	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
<b>CANADA</b>							
910	Tofino	49° 02.9' N 125° 42.3' W	<b>YAZ</b> (- • - - - • - - - • •).	50		359 A2A.	Carrier signal. A bearing error could result from coastal refraction.
930	Albert Head Calibration Radiobeacon	48° 23.2' N 123° 28.6' W	<b>T</b> (-).			300 A2A.	Transmits upon request through Victoria Marine Radio (VAK).
940	Victoria/Sidney Island	48° 37.7' N 123° 19.1' W	<b>YJ</b> (- • - - - • - - -).	75		233 A2A.	AERO.
950	Active Pass	48° 52.4' N 123° 17.4' W	<b>AP</b> (• - • - - •).	50		378 A2A.	Carrier signal. A bearing error could result from coastal refraction.
960	Comox	49° 45.0' N 124° 57.0' W	<b>QQ</b> (- - • - - - • -).			400	AERO.
1050	McInnes Island Light Station	52° 15.7' N 128° 43.3' W	<b>MS</b> (- - • • •).	100		388 A2A.	Carrier signal.
1080	Dead Tree Point	53° 21.0' N 131° 56.4' W	<b>Z</b> (- - • • •).	25		248 A2A.	AERO.
1100	Prince Rupert	54° 15.8' N 130° 25.3' W	<b>PR</b> (• - - • • - •).	100		218 A2A.	
<b>UNITED STATES - ALASKA</b>							
1140	Sitka (Biorka Island)	56° 51.0' N 135° 32.0' W	<b>SIT</b> (• • • • • -).	50		344 NON, A2A.	AERO.
1160	Elephant (Sisters Island)	58° 10.0' N 135° 15.0' W	<b>EEF</b> (• • • - •).	50		391 NON, A2A.	AERO.
1180	Gustavus	58° 25.0' N 135° 42.0' W	<b>GAV</b> (- - • • - • • • -).			219	AERO.
1190	Ocean Cape	59° 33.0' N 139° 44.0' W	<b>OCC</b> (- - - - - • • • - • • • •).	50		385 NON, A2A.	AERO.
1210	Cape Hinchinbrook Light Station	60° 14.3' N 146° 38.8' W	<b>W</b> (• - -). period 60s tr 50s (- ) 10s	100		292 A2A.	
1220	Hinchinbrook	60° 24.0' N 146° 05.0' W	<b>HBK</b> (• • • • • - • • • • - - -).			362	AERO.
1230	Anchorage	61° 10.0' N 150° 03.0' W	<b>CMQ</b> (- • - • - - - - • -).			338	AERO.
1240	Wildwood	60° 36.0' N 151° 12.0' W	<b>IWW</b> (• • • - - - • - -).	50		379 NON, A2A.	AERO.
1250	Kachemak	59° 39.0' N 151° 30.0' W	<b>ACE</b> (• - - • • • •).	50		277 NON, A2A.	AERO.
1260	Woody Island	57° 46.0' N 152° 19.0' W	<b>RWO</b> (• - • • - - - - -).	50		394 NON, A2A.	AERO. South course ambiguous.
1270	King Salmon	58° 44.0' N 156° 47.0' W	<b>AK</b> (• - - • -).			400	AERO.
1280	Adak	51° 55.1' N 176° 33.8' W	<b>NUD</b> (- • • • • - • • •).	50		347 NON, A2A.	AERO.
1290	Cold Bay	55° 18.0' N 162° 47.0' W	<b>CD</b> (- • • • • - • • •).	50		341 NON, A2A.	AERO.
1310	Cape Romanzof	61° 48.0' N 165° 58.0' W	<b>CZF</b> (- • • • • - • • • • • • • •).	50		275 NON, A2A.	AERO.
1320	North River	63° 55.0' N 160° 49.0' W	<b>JNR</b> (• - - - - • • • • •).	50		382 NON, A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
<b>UNITED STATES - ALASKA</b>							
1330	Moses Point	64° 42.0' N 162° 04.0' W	<b>OAY</b> (--- •- -•---).	50		263 NON, A2A.	AERO.
1340	Fort Davis	64° 30.0' N 165° 19.0' W	<b>FDV</b> (••-• -•• •••-).	50		529 NON, A2A.	AERO.
1350	Hotham (Kotzebue)	66° 54.0' N 162° 34.0' W	<b>HHM</b> (•••• •••• -•).	50		356 NON, A2A.	AERO.
1360	Point Lay	69° 44.0' N 163° 01.0' W	<b>PIZ</b> (•--- •• -•••).	50		251 NON, A2A.	AERO.
1370	Wainwright	70° 37.0' N 159° 52.0' W	<b>AIN</b> (•- •• -•).	50		266 NON, A2A.	AERO.
1380	Browerville	71° 18.0' N 156° 44.0' W	<b>NMT</b> (-• -- -).	50		281 A2A.	AERO.
1390	Lonely	70° 55.0' N 153° 15.0' W	<b>LNI</b> (•-•• -• ••).	50		316 NON, A2A.	AERO.
1400	Oliktok	70° 30.0' N 149° 53.0' W	<b>OLI</b> (--- •-•• ••).	50		329 NON, A2A.	AERO.
1410	Barter Island	70° 08.0' N 143° 39.0' W	<b>BTI</b> (-••• - ••).	50		308 NON, A2A.	AERO.
<b>CANADA - ARCTIC COAST</b>							
1420	Komakuk	69° 36.0' N 140° 11.0' W	<b>AJ</b> (•- •-•-•).			239	AERO.
<b>HAWAIIAN ISLANDS</b>							
1430	Barbers Point Calibration Radiobeacon	21° 18.0' N 158° 06.5' W	<b>BP</b> (-••• •-•••). period 30s tr(2) 10s (—) 20s	5		310, 480, 2173.5, 2634 A2A.	Transmits upon request to Coast Guard Communication Station Honolulu, on VHF channel 16, 24 hours in advance, or by letter to Commander, 14th Coast Guard District, Honolulu, Hawaii 96850, 7 days in advance.
1440	Pahoa	19° 32.0' N 154° 58.0' W	<b>POA</b> (•--- •-•• -•).	50		332 NON, A2A.	AERO.
<b>NORTH PACIFIC ISLANDS</b>							
1450	Johnston Atoll, Apollo	16° 44.0' N 169° 32.0' W	<b>APO</b> (•- •-•• -•-•).	50		388 NON, A2A.	AERO. Does not transmit 0300-0400 Saturdays and Sundays.
1460	Midway (Sand Island)	28° 12.2' N 177° 22.8' W	<b>MDY</b> (-- -•• -•-•).	75		400 NON, A2A.	AERO.
1465	Tarawa	1° 23.5' N 173° 08.1' E	<b>TW</b> (- •-•).	200		375 NON, A2A.	AERO.
Marshall Islands:							
1470	-Uliga	7° 06.0' N 171° 23.0' E	<b>MAJ</b> (-- •- •-•-•).	240		316 NON, A2A.	AERO.
1475	-Airport	7° 04.1' N 171° 17.0' E	<b>MEJ</b> (-- •• •-•-•).			316	AERO.
1480	-Bucholz, Kwajalein	8° 43.0' N 167° 44.0' E	<b>NDJ</b> (-• -•• •-•-•).	80		359 A2A.	AERO.

(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
<b>NORTH PACIFIC ISLANDS</b>							
1490	Minami-Tori Shima (Marcus Island)	24° 17.5' N 153° 59.1' E	<b>ML</b> (- - • - ••).	256		343 A2A.	AERO.
1510	Yap, Caroline Islands	9° 30.0' N 138° 06.0' E	<b>YP</b> (- • - - • - - •).	100		317 NON, A2A.	AERO.
1520	Koror, Palau Islands	7° 21.0' N 134° 28.0' E	<b>ROR</b> (• - • - - - • - •).	80		371 NON, A2A.	AERO.
Mariana Islands:							
1530	-Guam	13° 22.0' N 144° 44.0' E	<b>AJA</b> (• - • - - - • -).	300		385 A2A.	AERO.
1540	-Saipan	15° 07.0' N 145° 43.0' E	<b>SN</b> (• • • - •).	80		312 A2A.	AERO.
<b>PAPUA NEW GUINEA</b>							
1570	Kavieng, New Ireland, Bismarck Archipelago	2° 35.3' S 150° 48.8' E	<b>KAV</b> (- • - • - • • • -).	120		368 NON, A2A.	AERO.
1592	Daru	9° 04.6' S 143° 12.6' E	<b>DAU</b> (- • • • - • • • -).	110 100		290 NON, A2A.	AERO.
<b>SOLOMON ISLANDS</b>							
1610	Kieta, Bougainville	6° 18.0' S 155° 43.0' E	<b>KIA</b> (- • - • • • -).	50 30		374 NON, A2A.	AERO.
1620	Ghizo Island	8° 06.0' S 156° 50.0' E	<b>GZ</b> (- - • • - - • • •).	40		328 NON, A2A.	AERO.
1630	Honiara, Guadalcanal	9° 25.0' S 160° 03.0' E	<b>HN</b> (• • • • - •).	150		348 NON, A2A.	AERO.
1635	Kirakira, San Cristobal	10° 27.0' S 161° 55.4' E	<b>KK</b> (- • - - • • -).	150		288 NON, A2A.	AERO.
<b>SOUTH PACIFIC ISLANDS</b>							
1650	Lord Howe Island	31° 31.0' S 159° 04.0' E	<b>LHI</b> (• - • • • • • • • • •).	140 110		272 NON, A2A.	AERO.
1655	Norfolk Island	29° 00.0' S 167° 55.0' E	<b>NF</b> (- • • • • •).	110		260 NON, A2A.	AERO.
New Caledonia:							
1670	-Noumea (La Tontouta)	21° 59.5' S 166° 10.0' E	<b>FND</b> (• • • - • - • - • • •).	200		354 A1A.	AERO.
1680	-Touho	20° 48.0' S 165° 15.0' E	<b>TH</b> (- • • • • •).	25		256 A1A.	AERO.
1685	Houailou, Nessan	21° 15.5' S 165° 36.7' E	<b>HL</b> (• • • • • • - • • •).	25		284 A1A.	AERO.
1690	Port Vila, Efate, New Hebrides	17° 44.0' S 168° 18.0' E	<b>PV</b> (• - - • • • • -).	150		300 A2A.	AERO.



(1) No.	(2) Name	(3) Position	(4) Characteristic	(5) Range	(6) Sequence	(7) Frequency	(8) Remarks
<b>AUSTRALIA</b>							
2180	Broome	17° 56.0' S 122° 14.0' E	<b>BRM</b> (- • • • • • - -).	80 60		320 NON, A2A.	AERO.
2187	Jabira Venture	11° 55.5' S 125° 00.4' E	<b>JVX</b> (• - - - - • • • • - - - - ).	100		436. NON, A2A.	May be inoperative during adverse weather.
2188	Challis	12° 07.4' S 125° 00.6' E	<b>XCHA</b> (- • • • - - - • • • • • • -).	100		404 NON, A2A.	
2220	Gove	12° 16.5' S 136° 49.5' E	<b>GV</b> (- - • • • -).	110		380 NON, A2A.	AERO.
<b>NEW ZEALAND</b>							
2330	Napier	39° 28.0' S 176° 52.0' E	<b>NR</b> (- • • - •).	50		354 A2A.	AERO.
2335	Wellington	41° 20.4' S 174° 48.8' E	<b>WN</b> (• - - - •).	100		298 A2A.	AERO.
2340	Cape Campbell	41° 44.0' S 174° 16.0' E	<b>CC</b> (- • - • • - - •).	100		286 A2A.	AERO.
2380	Ashburton	43° 54.0' S 171° 48.0' E	<b>AS</b> (• - • • •).	50		254 A2A.	AERO.
2390	Oamaro	44° 56.0' S 171° 07.0' E	<b>OU</b> (- - - • • -).	50		302 A2A.	AERO.
2430	Hokitika	42° 44.0' S 170° 57.0' E	<b>HK</b> (• • • • • - - -).	100		310 A2A.	AERO.
2450	Appleby	41° 18.0' S 173° 08.0' E	<b>AY</b> (• - - - - •).	65		210 A2A.	AERO.
2480	Wanganui	39° 58.0' S 175° 02.0' E	<b>WU</b> (• - - • • -).	50		382 A2A.	AERO. Unreliable 325°-065°.
2490	New Plymouth	39° 00.2' S 174° 10.9' E	<b>NP</b> (- • • - - •).	60		370 A2A.	AERO.
<b>ANTARCTICA</b>							
2500	Mawson	67° 36.0' S 62° 53.0' E	<b>VLV</b> (• • • • • - - - • • • • -).	180		400 A2A.	AERO. Transmits upon request through Mawson (VLV) on 3023 kHz.
2510	Davis Anchorage	68° 35.0' S 77° 58.0' E	<b>VLZ</b> (• • • • • - - - • • •).	180		392	AERO. Transmits upon request through Davis (VLZ) on 3023 kHz.
2520	Casey	66° 17.0' S 110° 33.0' E	<b>VNJ</b> (• • • • • - • - - - -).	180		400 A2A.	AERO. Transmits upon request through Casey (VNJ) on 3023 kHz.

# Section 16

## Differential GPS Stations

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
<b>CANADA</b>							
200	Amphitrite Point, British Columbia	48° 55.0' N 125° 33.0' W	T 908 R 302 R 303	189	315	200	
205	Richmond, British Columbia	49° 11.0' N 123° 07.0' W	T 907 R 304 R 305	92	320	200	Message Types: 3,5,6,7,9,16.
210	Alert Bay, British Columbia	50° 35.0' N 126° 55.0' W	T 909 R 300 R 301	243	309	200	
215	Sandspit, British Columbia	53° 14.0' N 131° 49.0' W	T 906 R 306 R 307	189	300	200	Message Types: 3,5,6,7,9,16.
<b>HAWAIIAN ISLANDS</b>							
400	Kokole Point	21° 59.0' N 159° 45.5' W	T 880	300	300	200	
410	Upolu Point	20° 14.8' N 155° 53.0' W	T 879	170	285	100	
<b>UNITED STATES-ALASKA</b>							
450	Cold Bay	55° 05.5' N 162° 31.9' W	T 838	180	289	100	
460	Kodiak	57° 37.1' N 152° 11.6' W	T 897	180	313	100	
470	Kenai	60° 40.1' N 151° 21.0' W	T 896	170	310	100	
480	Potato Point	61° 03.4' N 146° 41.8' W	T 895	100	298	100	
490	Cape Hinchinbrook	60° 14.3' N 146° 38.8' W	T 894	120	292	100	
500	Gustavus	58° 25.1' N 135° 41.8' W	T 892	170	288	100	
510	Annette Island	55° 04.1' N 131° 36.0' W	T 889	170	323	100	
<b>UNITED STATES</b>							
600	Whidbey Island, Washington	48° 18.8' N 122° 41.8' W	T 888	90	302	100	
610	Robinson Point, Washington	47° 23.3' N 122° 22.5' W	T 887	60	323	200	
650	Fort Stevens, Oregon	46° 12.3' N 123° 57.4' W	T 886	180	287	100	
660	Cape Mendocino, California	40° 26.4' N 124° 24.4' W	T 885	180	292	100	

(1) No.	(2) Name	(3) Position	(4) Station ID	(5) Range	(6) Frequency	(7) Transfer Rate	(8) Remarks
<b>UNITED STATES</b>							
670	Point Blunt, California	37° 51.2' N 122° 25.1' W	T 884	60	310	200	
680	Pigeon Point, California	37° 11.2' N 122° 23.4' W	T 883	180	287	100	
690	Point Arguello, California	34° 34.4' N 120° 38.4' W	T 882	180	321	100	
700	Point Loma, California	32° 39.9' N 117° 14.6' W	T 881	180	302	100	
<b>AUSTRALIA</b>							
-Bora Bora:							
3000	Sydney	33° 59.2' S 150° 58.7' E	T 703	150	308	200	Range is calculated not measured.
3100	Gladstone	24° 02.3' S 151° 21.5' E	T 706 R 6	200	313	200	Message Types: 3, 5, 7, 9, 16.
3200	Ingham	18° 33.3' S 146° 18.3' E	T 708 R 8	200	306	200	Message Types: 3, 5, 7, 9, 16.
3300	Horn Island	10° 35.5' S 142° 16.5' E	T 702 R 2	150	320	200	Message Types: 3, 5, 7, 9, 16.
3400	Cape Flattery	14° 58.0' S 145° 18.0' E	T 705	150	304	200	Range is calculated not measured.
3500	Mackay	21° 06.2' S 149° 12.7' E	T 704	150	315	200	Range is calculated not measured.
3700	Brisbane	27° 04.0' S 153° 03.0' E	T 707 R 7	226	294	200	Message Types: 3, 5, 6, 7, 9, 16.
3800	Karratha	20° 42.4' S 116° 47.0' E	T 700 R 1	200	304	200	Message Types: 3, 5, 6, 7, 9, 16.
3900	Weipa	12° 39.2' S 141° 51.6' E	T 709 R 9	200	316	200	Message Types: 3, 5, 6, 7, 9, 16.
4000	Perth	31° 47.9' S 115° 56.0' E	T 712 R 12	200	306	200	Message Types: 3, 5, 6, 7, 9, 16.
4100	Albany	35° 05.2' S 117° 54.1' E		200	315	200	Message Types: 3, 5, 6, 7, 9, 16.
4200	Mallacoota	37° 34.1' S 149° 44.0' E	T 713 R 13	200	318	200	Message Types: 3, 5, 6, 7, 9, 16.
4300	Darwin	12° 26.7' S 130° 57.5' E	T 714 R 14		294	200	Message Types: 3, 5, 7, 9, 16.
4400	Exmouth	21° 53.1' S 114° 08.0' E	T 715 R 15	200	297	200	Message Types: 3, 5, 7, 9, 16.



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# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
F2111.9		10932	G1334.06		2537.5	G1435.3		2405	G1498		2324
F2112		10933	G1334.1		2538	G1435.31		2406	G1502		2244
G1294		2710.16	G1334.15		2539	G1435.4		2408	G1503		2262
G1295		2711	G1334.2		2544	G1436		2412	G1503.5		2260
G1295.2		2711.4	G1334.4		2540	G1438		2414	G1504		2236
G1295.4		2711.6	G1334.6		2536	G1440		2404	G1504.2		2232
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G1296		2710.12	G1335		2367	G1443		2400	G1506		2224
G1298		2710.09	G1335.1		2537	G1443.2		2392	G1507		2228
G1300		2710.07	G1335.2		2366	G1443.3		2396	G1508		2220
G1302		2710.05	G1336		2712	G1443.5		2403	G1508.5		2216
G1303		2710.5	G1336.5		2713	G1444		2384	G1509		2212
G1303.4		2710	G1338		2718	G1446		2380	G1514		2208
G1304		2710.02	G1381		2744	G1447		2376	G1516		2204
G1306		2708	G1382		2745	G1447.2		2384.1	G1516.5		2206
G1307		2704	G1383		2743	G1447.25		2384.8	G1517		2200
G1308		2700	G1383.5		2733	G1447.3		2384.2	G1518		2196
G1310		2696	G1383.51		2733.5	G1447.33		2373	G1520		2192
G1311		2684	G1384		2736	G1447.37		2374	G1523		2190
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G1313		2676	G1387.5		2729	G1447.6		2387	G1527		2184
G1313.1		2680	G1387.6		2724	G1448		2372	G1528		2176
G1314		2668	G1387.7		2725	G1449		2368	G1529		2172
G1314.1		2672	G1387.8		2722	G1450		2364	G1530		2168
G1314.3		2638	G1387.9		2721	G1454		2360	G1530.3		2164
G1315		2664	G1388		2720	G1456		2356	G1530.6		2162
G1316		2640	G1388.2		2720.5	G1456.2		2353	G1531		2160
G1317.1		2641	G1389		2756	G1456.3		2355.4	G1531.5		2156
G1317.8		2636	G1389.2		2760	G1456.4		2353.2	G1533		2152
G1318		2632	G1389.21		2764	G1456.6		2353.4	G1534		2148
G1319.4		2624	G1395		2768	G1456.8		2353.8	G1534.2		2144
G1320		2620	G1398		2784	G1457		2353.6	G1534.3		2136
G1322		2608	G1399.4		2788	G1458		2354	G1534.4		2140
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G1323.4		2600	G1406.5		2527	G1467.5		2342	G1536		2120
G1323.6		2616	G1407		2525	G1468		2340	G1538		2116
G1325		2580	G1407.06		2526	G1474		2336	G1539		2112
G1326		2584	G1408		2532	G1476		2332	G1540		2108
G1326.5		2590	G1409		2528	G1477		2330	G1541		2104
G1327		2596	G1410.5		2524	G1478		2328	G1542		2100
G1329		2572	G1411		2520	G1480		2320	G1544		2096
G1329.5		2570	G1411.5		2512	G1480.5		2322	G1545		2092
G1330		2568	G1412		2516	G1481		2316	G1546		2088
G1331		2567.5	G1413		2508	G1482		2312	G1546.3		2084
G1331.2		2567.6	G1414		2496	G1482.5		2308	G1546.7		2087
G1332		2564	G1416		2492	G1483		2304	G1546.8		2086
G1332.2		2566	G1419		2488	G1484		2300	G1547		2080
G1332.3		2567	G1420		2484	G1485		2298	G1547.5		2079
G1332.5		2563.5	G1421		2481	G1486		2296	G1547.51		2078
G1333		2560	G1421.7		2478	G1486.5		2297	G1547.52		2077
G1333.1		2561	G1422		2476	G1487		2293	G1548		2076
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G1333.5		2554	G1428		2448	G1493		2268	G1556		2052
G1333.6		2556	G1431		2454	G1494		2264	G1557		2048
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G1333.8		2552	G1432		2452	G1495.5		2254	G1558.45		2055
G1334		2548	G1435		2426	G1496		2252	G1558.49		2043

## CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G1558.5		2049.5	G1590		1884	G1674.5		1562	G1782.3		1443
G1559		2050	G1592		1888	G1675		1560	G1782.31		1443.1
G1560		2051	G1596		1880	G1676		1552	G1782.5		1436
G1560.2		2053	G1597		1876	G1678		1556	G1782.6		1440
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G1560.5		2049	G1599		1874	G1678.5		1558	G1782.8		1442
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G1563.6		2038	G1613		1848	G1689		1669	G1784		1432
G1563.7		2037.5	G1620		1828	G1690		1672	G1791		1429
G1563.8		2038.5	G1621		1826	G1691		1667.5	G1791.1		1429.5
G1564		2032	G1622		1824	G1691.5		1666	G1792		1431.5
G1564.5		2028	G1623		1820	G1692		1660	G1792.1		1431
G1565		2024	G1623.5		1812	G1693		1664	G1792.2		1431.6
G1567		2020	G1624		1804	G1693.5		1662	G1794		1420
G1568		2016	G1625		1808	G1694		1652	G1794.5		1416
G1568.2		2014	G1628		1800	G1696		1612	G1794.51		1416.5
G1568.3		2012	G1630		1792	G1696.5		1638.2	G1795		1412
G1568.5		2008	G1631		1796	G1696.7		1638	G1795.2		1414
G1568.8		1968	G1632		1788	G1697		1640	G1795.21		1414.5
G1569		2004	G1634		1784	G1698		1644	G1795.3		1415
G1570		1992	G1636		1780	G1700		1636	G1795.31		1415.5
G1570.5		1988	G1636.5		1764	G1702		1620	G1795.4		1417
G1570.6		1996	G1637		1768	G1702.2		1624	G1795.41		1417.5
G1570.65		2000	G1638		1776	G1702.3		1628	G1796		1408
G1571		1972	G1640		1760	G1702.4		1632	G1797		1344
G1571.5		1976	G1642		1744	G1703		1633	G1798		1348
G1571.7		1980	G1644		1736	G1703.1		1634	G1802		1360
G1572.4		1982.4	G1644.1		1740	G1703.31		1615	G1806		1352
G1572.41		1982.5	G1646		1728	G1703.33		1613	G1806.5		1353
G1572.55		1982.2	G1646.1		1732	G1704		1608	G1806.51		1353.1
G1572.551		1982.3	G1647		1724	G1706		1654	G1806.6		1354
G1572.6		1982	G1647.5		1720	G1710		1604	G1806.61		1354.1
G1572.61		1982.1	G1647.7		1748	G1712		1600	G1808		1364
G1573		1970	G1648		1752	G1714		1596	G1812		1400
G1573.3		1964	G1649		1756	G1720		1540	G1814		1396
G1573.4		1962	G1649.5		1798	G1722		1538	G1816		1392
G1573.5		1960	G1650		1816	G1724		1536	G1821		1388
G1574		1952	G1651		1688	G1726		1532	G1830		1380
G1575		1956	G1652		1684	G1728		1504	G1830.1		1380.1
G1575.2		1936	G1652.2		1680	G1730		1508	G1833		1376
G1575.3		1940	G1653		1716	G1731		1516	G1834		1390
G1575.5		1944	G1654		1712	G1736		1520	G1834.5		1391
G1575.7		1920	G1655		1708	G1736.4		1524	G1846		1336
G1575.8		1922	G1656		1676	G1737.4		1528	G1846.5		1335
G1576		1948	G1657		1675	G1744		1500	G1848		1334
G1576.3		1934	G1661		1706	G1745.4		1495	G1850		1332
G1576.5		1926	G1661.4		1705	G1747		1496	G1853		1331.5
G1577		1932	G1662		1704	G1747.5		1499	G1855		1328
G1577.5		1928	G1662.5		1696	G1748		1498	G1856		1330
G1578		1924	G1664		1692	G1748.5		1497	G1856.2		1331
G1580		1916	G1666		1588	G1750		1492	G1857		1284
G1580.4		1917	G1668		1580	G1751		1490	G1858		1304
G1580.5		1917.2	G1668.6		1578	G1752		1488	G1859		1292
G1580.7		1917.5	G1669		1584	G1754		1486	G1859.1		1310
G1581		1908	G1669.8		1585	G1755		1487	G1859.11		1310.5
G1582		1912	G1670		1576	G1756		1484	G1859.15		1309.6
G1583		1910	G1670.5		1574	G1758		1480	G1859.16		1309.7
G1584		1904	G1671		1572	G1762		1476	G1859.2		1309
G1586		1900	G1672		1544	G1764		1424	G1859.21		1309.5
G1588		1896	G1672.1		1548	G1765		1428	G1859.3		1296
G1589		1892	G1674		1564	G1768		1452	G1859.31		1300

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G1860		1308	G1901.5		1177	G1955.3		1103	G2013		.951
G1860.2		1312	G1904		1172	G1955.31		1103.5	G2013.1		.955
G1862		1279	G1906		1166	G1955.35		1103.6	G2014		.944
G1862.1		1279.5	G1908		1168	G1955.38		1103.7	G2016		.936
G1863		1283	G1915		1165	G1955.381		1103.8	G2018		.932
G1864		1282	G1916		1164	G1955.4		1104	G2022		.924
G1866		1280	G1916.5		1163.8	G1955.41		1104.5	G2025		.920
G1869		1278	G1918.2		1161	G1955.51		1107	G2028		.916
G1870		1272	G1918.21		1161.25	G1955.52		1106	G2028.5		.915
G1871		1276	G1918.39		1162.5	G1955.53		1105.6	G2029.4		.900
G1874		1268	G1918.4		1162	G1955.535		1105.5	G2029.5		.904
G1875		1260	G1918.5		1162.8	G1955.54		1105	G2029.7		.912
G1876		1256	G1918.59		1162.82	G1955.6		1109	G2029.8		.908
G1877		1255.5	G1918.6		1162.81	G1955.61		1110	G2029.9		.914
G1878		1263	G1918.61		1162.83	G1955.615		1110.5	G2030		.896
G1879.1		1261	G1918.8		1162.9	G1955.62		1111	G2032		.892
G1880		1255	G1918.81		1162.95	G1955.625		1111.5	G2033		.888
G1880.5		1254	G1919		1163.6	G1956		1096	G2033.5		.856
G1882		1252	G1919.1		1163	G1958		1084	G2033.8		.868
G1882.2		1218	G1919.11		1163.5	G1960		1080	G2034		.864
G1882.3		1219	G1921		1156	G1961		1078	G2035.6		.872
G1882.35		1218.5	G1921.2		1155.8	G1963		1076	G2036		.885
G1882.4		1219.5	G1921.5		1155.5	G1963.2		1077	G2036.1		.886
G1882.5		1219.6	G1922		1151	G1963.21		1077.1	G2038		.880
G1883		1222	G1923		1150	G1963.3		1077.2	G2038.2		.884
G1883.1		1223	G1924		1148	G1963.31		1077.3	G2039		.876
G1886		1232	G1924.2		1149	G1963.4		1077.4	G2040.55		.860
G1887.201		1233	G1924.22		1149.5	G1963.41		1077.5	G2041		.846
G1887.202		1234	G1924.5		1147	G1963.5		1077.6	G2042		.845
G1887.243		1237	G1925.6		1142	G1963.51		1077.7	G2043		.844
G1887.244		1238	G1925.61		1143	G1964		1072	G2045		.840
G1887.2443		1235	G1926		1144	G1968		1036	G2046		.836
G1887.2444		1236	G1930		1143.5	G1969		1040	G2048		.837
G1887.6		1248	G1933		1140	G1969.2		1042	G2049		.812
G1887.8		1246	G1935.5		1141	G1972		1048	G2050		.816
G1888.6		1228	G1936		1130	G1974		1060	G2052		.788
G1889		1230	G1937		1129	G1974.1		1064	G2053		.780
G1890		1216	G1938		1128	G1974.3		1050	G2053.4		.784
G1891		1214	G1940		1127	G1978		1028	G2054		.786
G1891.3		1213	G1945		1125	G1984		1012	G2054.1		.786.5
G1891.5		1215	G1945.1		1125.5	G1985		1016	G2055		.805.2
G1892		1212	G1946		1124	G1986		1020	G2055.7		.806
G1892.5		1211	G1947		1120	G1986.4		1010	G2055.94		.805.5
G1892.8		1210	G1947.2		1126	G1987		1008	G2056.3		.805.4
G1893		1209.5	G1947.3		1126.5	G1991		1152	G2056.5		.805.6
G1896		1208	G1947.6		1118	G1991.1		1152.1	G2056.6		.805.7
G1896.2		1208.5	G1947.61		1118.1	G1992		1152.5	G2058		.796
G1896.3		1209	G1947.68		1117.12	G1993		1152.6	G2058.4		.790
G1896.5		1205	G1947.681		1117.13	G1994		1153	G2059		.792
G1896.6		1204	G1947.682		1117.14	G1994.5		1154	G2061		.770
G1896.7		1188	G1948		1112	G1995		1155	G2062		.768
G1897		1192	G1952		1108	G1996		1004	G2063		.756
G1897.1		1192.5	G1952.1		1097	G2000		1000	G2063.4		.764
G1898		1193	G1952.2		1097.1	G2000.4		.998	G2063.6		.754
G1898.1		1193.5	G1952.21		1097.2	G2001		.996	G2065		.752
G1898.3		1194	G1953		1098	G2002		.992	G2067		.744
G1898.31		1194.5	G1954		1100	G2003.4		.980	G2068		.740
G1898.49		1195.5	G1954.2		1099.1	G2004		.984	G2069		.736
G1898.5		1195	G1954.3		1099	G2004.1		.988	G2071		.732
G1898.51		1195.7	G1954.4		1099.2	G2006		.978	G2074		.728
G1898.7		1196	G1955.1		1101	G2006.1		.979	G2075		.724
G1898.71		1196.5	G1955.11		1101.5	G2010		.976	G2076		.716
G1900		1184	G1955.2		1102	G2011		.948	G2080		.712
G1900.5		1176	G1955.21		1102.5	G2011.4		.968	G2084.4		.708
G1901		1180	G1955.25		1102.6	G2011.6		.972	G2085		.700

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Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G2086		696	G3035		480	G3098.5		244	G3187		157
G2086.1		697	G3037		444	G3098.6		248	G3188		136
G2086.11		697.5	G3038		452	G3098.8		252	G3188.5		131
G2086.2		702	G3038.1		456	G3100		336	G3189		132
G2086.3		703	G3040.6		460	G3101		328	G3191		128
G2086.4		698	G3040.8		450	G3101.5		329	G3192		140
G2086.5		701	G3040.81		450.1	G3102		331	G3194		124
G2086.6		699	G3041		462	G3103		334	G3198		96
G2087.95		705	G3041.1		463	G3104		333	G3200		104
G2088		692	G3042		464	G3105		370.2	G3200.05		106
G2089		680	G3043		468	G3106		348	G3200.1		108
G2090		684	G3043.1		472	G3106.5		352	G3201		97
G2090.2		682	G3046		474	G3107		360	G3201.2		98
G2090.21		682.5	G3046.1		474.5	G3107.1		362	G3206		120
G2091		687	G3047		475	G3107.5		369.6	G3208		112
G2091.3		681	G3047.1		475.5	G3108		356	G3209		100
G2092		688	G3047.6		476.5	G3109		344	G3214		68
G2096		676	G3047.8		477	G3111		369.2	G3214.5		72
G2106		664	G3047.9		477.3	G3111.5		369	G3215		64
G2112		636	G3048.1		477.7	G3112		368	G3216		60
G2117		656	G3048.2		477.9	G3113		364	G3217		56
G2119		640	G3048.8		442	G3114		340	G3218		57
G2121		649	G3049.2		438	G3114.5		341	G3218.1		58
G2124		632	G3049.4		436	G3116		372	G3218.5		55
G2125		628	G3050		412	G3119		337.5	G3222		52
G2127		608	G3051		416	G3119.1		338	G3225		42
G2127.4		616	G3052		420	G3122		232	G3225.3		43
G2127.41		620	G3052.3		424	G3124		220	G3240		46
G2127.7		622	G3052.5		425.3	G3124.5		224	G3242		48
G2127.9		623	G3053		426	G3125.4		226	G3243		47
G2132		604	G3053.4		425.6	G3125.5		227	G3246		44
G2132.7		581	G3053.8		429	G3126		216	G3250		40
G2132.75		582	G3053.9		432	G3128		212	G3251		45
G2132.76		583	G3054		430	G3128.5		211	G3252		38
G2132.8		584	G3054.2		431	G3129		210	G3254		36
G2133.2		588	G3054.5		433	G3130.1		213	G3256		32
G2133.3		592	G3055		428	G3130.5		214	G3262		28
G2133.35		595	G3058		408	G3131		215	G3264		20
G2133.4		596	G3060		404	G3131.5		215.5	G3266		12
G2133.41		600	G3064		396	G3132		200	G3267		24
G2133.7		602	G3068		392	G3132.3		203	G3267.5		26
G2133.71		602.5	G3071		388	G3132.5		203.5	G3268		16
G2138		580	G3073		380	G3133		202	G3269		22
G2139		577	G3076		376	G3133.04		203.4	G3278		8
G2139.1		578	G3085		324	G3133.06		202.5	G3279		7
G2140		568	G3085.5		326	G3133.07		202.6	G3279.3		9
G2140.5		570	G3090		320	G3136		188	G3279.4		10
G2141		572	G3090.4		316	G3137		189	G3279.5		11
G2141.1		576	G3091		312	G3137.5		190	G3280		4
G2153		544	G3093		308	G3140		184	G3282		15469
G2156		542	G3094		304	G3142		186	G3282.5		15470
G2158		540	G3095		300	G3143		183	G3284		15472
G2159		541	G3096		264	G3145		182	G3285		15490
G2180		536	G3096.1		268	G3147		181	G3285.1		15491
G2200		528	G3096.11		272	G3150		176	G3286		15484
G2996		508	G3096.25		284	G3152		180	G3286.1		15488
G2998		522	G3096.26		288	G3153		174	G3288		15476
G3026		500	G3096.3		280	G3153.2		172	G3290		15480
G3028		512	G3096.32		276	G3153.5		170	G3306		15468
G3028.6		517	G3096.34		292	G3154		168	G3310		15464
G3029		520	G3096.36		295	G3180		160	G3316		15460
G3029.4		521	G3096.4		260	G3182		156	G3320		15456
G3031		496	G3097		256	G3184		152	G3322		15454
G3032		492	G3097.4		254	G3185		148	G3346		15462
G3033		488	G3098		236	G3186		144	G3350		15440

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Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G3351		15444	G3435.1		15288	G3480.2		15116	G3513.5		14944
G3351.1		15448	G3435.5		15273.3	G3480.4		15132	G3513.6		14940
G3351.4		15428	G3436		15273	G3480.41		15136	G3514		14936
G3351.6		15432	G3436.05		15273.7	G3480.54		15098	G3514.4		14932
G3351.7		15436	G3436.06		15273.71	G3480.55		15098.2	G3514.5		14928
G3352		15400	G3436.2		15274	G3480.57		15093	G3515		14926
G3353		15404	G3440		15264	G3480.6		15096	G3515.1		14927
G3353.1		15408	G3442		15260	G3481		15092	G3516		14924
G3354		15412	G3442.2		15261	G3481.4		15088	G3518		14920
G3354.1		15416	G3442.4		15262	G3481.5		15086	G3518.2		14909
G3355		15420	G3442.6		15263	G3481.51		15087	G3518.21		14910
G3355.1		15424	G3444		15256	G3481.57		15085.5	G3518.4		14917
G3356		15398	G3444.2		15254	G3481.6		15085	G3518.41		14918
G3362		15394	G3444.21		15255	G3481.8		15084	G3518.5		14912
G3363		15393	G3444.3		15257	G3482		15080	G3518.51		14916
G3366		15384	G3444.4		15258	G3483		15077	G3518.6		14921
G3367		15388	G3445.5		15253	G3484		15064	G3518.7		14922
G3370		15392	G3446		15252	G3485		15072	G3519		14904
G3370.2		15392.4	G3447		15248	G3485.2		15076	G3519.5		14903
G3370.4		15392.8	G3448		15244	G3490		15052	G3520		14896
G3378		15372	G3450		15242	G3491		15060	G3521		14897
G3380		15364	G3452.2		15238	G3491.4		15061	G3521.1		14898
G3382		15368	G3452.5		15236	G3492		15056	G3521.4		14901
G3385		15361	G3452.7		15234	G3492.4		15056.5	G3522		14892
G3385.1		15361.5	G3453		15232	G3492.6		15057	G3522.5		14885
G3386		15362	G3454		15228	G3492.8		15050	G3523		14884
G3386.4		15362.5	G3455.51		15273.31	G3493		15048	G3523.2		14880
G3386.6		15363.5	G3456		15208	G3494		15012	G3524		14876
G3386.8		15363	G3456.4		15212	G3494.2		15016	G3526		14868
G3390		15356	G3457		15224	G3494.3		15020	G3526.5		14872
G3394		15355	G3459		15200	G3494.4		15014	G3526.6		14870
G3397		15354	G3460		15204	G3494.41		15015	G3526.8		14864
G3397.5		15354.5	G3461		15216	G3495		15022	G3527		14860
G3404		15350	G3463		15217	G3495.5		15010	G3528		14824
G3404.1		15351	G3463.2		15218	G3496		15044	G3530		14828
G3422		15320	G3463.6		15220	G3498		15028	G3531		14832
G3424		15324	G3463.64		15222	G3499		15036	G3532		14836
G3424.2		15328	G3463.65		15222.1	G3499.2		15040	G3532.1		14840
G3424.22		15332	G3463.66		15222.2	G3499.6		15032	G3533		14844
G3424.4		15336	G3464.5		15197	G3500		15024	G3533.1		14848
G3424.41		15340	G3464.6		15198	G3502		15008	G3537		14841
G3424.6		15345	G3465		15196	G3502.3		15007	G3537.2		14842
G3424.61		15346	G3465.7		15192	G3502.5		15006	G3537.35		14850
G3424.7		15334	G3465.75		15190	G3502.7		15004	G3537.4		14816
G3424.8		15341	G3465.8		15185	G3504		14964	G3537.45		14820
G3424.81		15342	G3465.9		15182	G3504.4		14992	G3537.67		14813
G3424.9		15333	G3466		15180	G3504.41		14996	G3537.7		14808
G3425		15316	G3467		15184	G3504.6		14968	G3537.8		14807
G3426		15312	G3468		15188	G3505		14997	G3537.9		14809
G3428		15308	G3469		15160	G3505.1		14997.5	G3538		14806
G3428.5		15306	G3470		15164	G3505.5		15000	G3538.2		14805
G3429		15304	G3470.2		15168	G3505.51		15000.1	G3538.25		14793
G3430		15300	G3470.4		15160.5	G3506		14972	G3538.33		14800
G3431		15292	G3470.41		15161	G3507		14976	G3538.5		14792
G3431.5		15296	G3470.5		15177	G3507.2		14981	G3538.6		14790
G3431.7		15290.5	G3470.51		15178	G3507.4		14979	G3538.8		14789
G3432		15272	G3471		15156	G3507.5		14977	G3539		14788
G3433		15280	G3472		15152	G3507.6		14978	G3539.2		14786
G3434		15276	G3473		15146	G3507.8		14985	G3539.5		14787
G3434.2		15290	G3474		15144	G3507.9		14985.1	G3539.6		14784
G3434.25		15291	G3475		15148	G3508		14988	G3539.7		14780
G3434.3		15282.1	G3476		15140	G3508.6		14998	G3540		14778
G3434.4		15282	G3477		15100	G3512		14960	G3540.05		14773
G3434.45		15282.2	G3478		15104	G3513.2		14953	G3540.06		14774
G3435		15284	G3480		15120	G3513.25		14952.2	G3540.08		14775

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Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G3540.09		14776	G3564.5		14656	G3598.7		14492	G5150		13232
G3540.13		14777	G3565		14640	G3599		14488	G5150.5		13236
G3540.15		14779	G3565.08		14641	G3599.9		14484	G5152		13584
G3540.3		14772	G3565.2		14644	G3600		14480	G5160		13220
G3540.5		14765	G3565.5		14636	G3600.8		14478	G5160.1		13216
G3542		14756	G3565.55		14637	G3600.9		14477	G5160.2		13220.1
G3542.2		14757	G3565.58		14636.5	G3601		14476	G5160.3		13220.2
G3542.21		14758	G3566		14600	G3602		14472	G5160.9		13220.3
G3542.3		14753	G3566.3		14603	G3602.4		14464	G5160.95		13220.4
G3542.4		14754	G3566.5		14603.1	G3603		14466	G5160.96		13224
G3542.5		14750	G3566.7		14603.2	G3604		14460	G5161		13214
G3542.6		14751	G3568.6		14595	G3606		14456	G5172		14336
G3543		14748.5	G3569		14592	G3609		14452	G5174		14332
G3543.5		14748	G3569.3		14601	G3611		14449	G5178		14276
G3544		14744	G3569.5		14602	G3611.2		14450	G5179		14284
G3544.5		14743	G3570		14588	G3611.8		14448	G5180		14288
G3545		14740	G3572		14604	G3612		14416	G5180.4		14292
G3545.4		14741	G3572.1		14605	G3612.5		14414	G5181		14296
G3546		14736	G3573		14612	G3613		14412	G5182		14300
G3547		14728	G3573.1		14616	G3613.5		14400	G5184		14304
G3547.4		14732	G3574		14620	G3613.6		14401	G5186		14312
G3547.5		14725	G3574.1		14624	G3613.7		14402	G5188		14316
G3547.6		14726	G3575		14628	G3614		14424	G5189		14320
G3550		14718	G3575.2		14632	G3614.1		14428	G5189.4		14308
G3551		14718.5	G3575.3		14634	G3614.3		14432	G5190		14328
G3552		14717	G3575.8		14578	G3614.31		14436	G5190.2		14324
G3553		14708	G3576		14576	G3614.5		14440	G5190.4		14280
G3553.5		14712	G3576.3		14577	G3614.51		14444	G5191		14272
G3553.8		14715	G3576.6		14584	G3615		14409	G5192		14268
G3553.81		14713	G3577		14580	G3615.3		14408	G5194		14264
G3554		14720	G3578		14572	G3615.4		14405	G5198		14260
G3555		14724	G3580		14568	G3615.5		14404	G5200		14256
G3555.5		14724.6	G3582		14564	G3616		14396	G5201		14254
G3555.6		14724.7	G3584		14560	G3616.4		14394	G5202		14252
G3556		14716	G3584.1		14561	G3616.8		14393	G5202.6		14236
G3558		14704	G3584.11		14561.5	G3617		14392	G5203		14240
G3559		14706	G3584.2		14563	G3618		14388	G5203.2		14244
G3559.4		14707	G3584.21		14563.1	G3619		14384	G5203.4		14248
G3560		14705	G3584.3		14563.5	G3619.5		14380	G5204		14160
G3561		14701	G3584.31		14563.6	G3620		14364	G5206		14164
G3561.4		14702	G3584.4		14562	G3621		14368	G5206.4		14168
G3561.8		14703	G3584.41		14562.5	G3622		14376	G5206.6		14172
G3562		14696	G3585		14556	G3626		14372	G5207		14176
G3562.2		14697	G3586		14548	G3626.05		14360.5	G5207.6		14180
G3562.4		14700	G3589.1		14549	G3626.06		14360.6	G5208		14188
G3562.45		14695	G3589.2		14550	G3626.15		14373.5	G5209		14184
G3562.5		14694	G3590		14553	G3626.2		14373	G5210		14192
G3562.55		14691	G3590.1		14554	G3629		14360	G5210.4		14196
G3562.6		14691.5	G3591		14544	G3629.1		14361	G5211		14200
G3562.7		14692	G3591.5		14540	G3629.2		14362	G5213		14208
G3563		14688	G3591.6		14538	G3629.4		14349	G5214		14212
G3563.5		14684	G3591.7		14536	G3629.41		14350	G5214.2		14216
G3563.52		14680	G3592		14532	G3629.5		14353	G5214.6		14220
G3563.58		14685	G3593		14504	G3629.7		14355	G5215		14224
G3563.6		14686	G3594		14516	G3630		14348.5	G5215.4		14228
G3563.7		14673	G3594.1		14520	G3634		14348	G5215.6		14104
G3563.75		14672	G3595		14524	G3635		14344	G5216		14108
G3563.8		14676	G3595.1		14528	G3635.5		14338	G5216.4		14100
G3563.81		14670	G3595.4		14522	G3636		14340	G5217		14096
G3563.83		14669	G3596		14508	G4756		13816	G5217.4		14092
G3563.85		14668	G3597		14512	G4768		13768	G5218.3		14112
G3564		14664	G3598		14500	G4772		13764	G5219		14088
G3564.2		14660	G3598.5		14496.5	G5140		13600	G5219.4		14148
G3564.3		14652	G3598.55		14496	G5142		13588	G5219.6		14120
G3564.4		14648	G3598.6		14493	G5149.5		13238	G5220		14116

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Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G5220.2		14124	G5277		13932	G5351.6		13536	G5410.1		13156
G5220.4		14128	G5279		13832	G5352		13532	G5413		13164
G5220.6		14132	G5280		13828	G5353		13528	G5413.1		13168
G5221		14136	G5287		13824	G5354		13524	G5413.21		13220.5
G5221.2		14140	G5288		13820	G5355.4		13520	G5413.22		13222
G5221.4		14144	G5292		13800	G5356		13512	G5413.23		13223
G5224		14084	G5296		13772	G5357		13608	G5413.24		13221
G5226		14070	G5296.2		13776	G5357.4		13604	G5413.3		13223.1
G5226.2		14068	G5296.21		13780	G5358		13596	G5413.31		13223.2
G5226.4		14064	G5296.3		13784	G5359		13592	G5413.47		13223.5
G5226.6		14072	G5296.31		13788	G5359.5		13510	G5416.2		13176
G5229.4		14060	G5300		13760	G5360		13480	G5416.4		13180
G5230		14056	G5306		13740	G5362		13488	G5417		13188
G5231		14040	G5307		13736	G5364		13496	G5418		13192
G5231.4		14052	G5308		13744	G5365		13492	G5419		12968
G5232		14048	G5308.1		13748	G5366		13448	G5419.4		12900
G5233		14044	G5310		13704	G5367		13500	G5420		12896
G5234		14036	G5312		13708	G5368		13504	G5420.4		12904
G5238		14032	G5312.4		13712	G5368.5		13509	G5420.5		12908
G5240		14028	G5320		13716	G5369		13456	G5420.6		12910
G5240.4		14024	G5322		13720	G5370		13460	G5421.3		12964
G5241		14020	G5324		13724	G5370.4		13464	G5421.35		12966
G5241.7		14014	G5325		13728	G5371		13472	G5421.4		12967
G5241.75		14011	G5326.5		13730	G5372		13476	G5421.5		12952
G5242		14004	G5328		13700	G5373		13508	G5422		12948
G5246		14000	G5330		13688	G5374		13372	G5422.5		12956
G5247		13996	G5332		13692	G5376.5		13380	G5422.6		12960
G5249		13992	G5333		13696	G5376.6		13384	G5423		12944
G5250		13984	G5334		13684	G5378		13368	G5423.1		12940
G5251		13980	G5334.5		13680	G5378.6		13432	G5423.3		12912
G5252		13960	G5335		13636	G5379		13428	G5423.4		12936
G5252.2		13968	G5336		13632	G5379.2		13424	G5423.5		12932
G5252.4		13972	G5337		13628	G5379.4		13420	G5423.6		12916
G5252.6		13976	G5337.5		13672	G5380		13436	G5423.7		12920
G5253		13988	G5338		13624	G5381		13440	G5423.82		12918
G5253.5		13952	G5339		13616	G5382		13344	G5423.83		12919
G5254		13948	G5339.4		13617	G5382.2		13348	G5426		12972
G5254.1		13944	G5340		13612	G5383		13352	G5426.6		13087
G5254.2		13956	G5340.4		13620	G5384		13356	G5426.8		13086
G5254.3		13964	G5340.6		13640	G5385		13360	G5427.2		13088
G5254.5		13940	G5341		13617.3	G5385.1		13364	G5430		13080
G5255		13936	G5341.4		13652	G5386		13340	G5434		12988
G5256		13836	G5341.6		13654	G5388		13336	G5435		12984
G5256.4		13848	G5342		13648	G5390		13332	G5437		12992
G5257		13840	G5342.4		13644	G5394		13408	G5438		12996
G5258		13852	G5343.5		13560	G5394.1		13412	G5442		13000
G5259		13856	G5344.56		13647	G5394.4		13416	G5448		13008
G5260		13860	G5344.6		13564	G5396		13240	G5455		13012
G5261		13864	G5344.61		13566	G5397		13244	G5456		13014
G5262		13868	G5344.62		13565	G5398.6		13244.5	G5465		13016
G5262.6		13872	G5344.7		13568	G5398.8		13090	G5465.5		13019
G5263		13876	G5344.74		13572	G5398.85		13091	G5468		13020
G5264		13880	G5345		13664	G5399		13113	G5468.2		13032
G5264.4		13884	G5345.2		13556	G5399.1		13113.1	G5468.3		13028
G5265		13888	G5345.3		13576	G5400		13112	G5469.9		13035
G5266		13892	G5345.7		13580	G5401		13116	G5471.3		13034
G5267		13896	G5345.8		13548	G5402.5		13122	G5473		13033
G5268		13900	G5345.9		13544	G5403		13128	G5473.4		13040
G5269		13904	G5346		13396	G5403.5		13130	G5474		13044
G5270		13908	G5346.4		13392	G5404		13136	G5476		13052
G5271		13912	G5348		13388	G5404.5		13138	G5477		13048
G5272		13916	G5349		13398	G5405		13144	G5478		13056
G5273		13920	G5349.5		13399	G5406		13148	G5479		13060
G5274		13924	G5350		13400	G5408		13160	G5479.2		13061
G5276		13928	G5351		13540	G5410		13152	G5479.21		13062

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Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G5480		13064	G5537		12816	G5595		12496	G5655		.12256
G5481		13046	G5538		12812	G5595.5		12490	G5656		.12220
G5481.2		13047	G5540		12836	G5596		12492	G5658		.12216
G5481.4		13049	G5542		12804	G5598		12488	G5662		.12212
G5482		13065	G5542.1		12808	G5598.4		12484	G5664		.12208
G5485		13304	G5544		12792	G5599		12468	G5668		.12204
G5486		13312	G5545		12800	G5600		12464	G5669		.12200
G5486.2		13308	G5545.3		12802	G5600.4		12480	G5670		.12196
G5486.4		13316	G5546.5		12796	G5601		12456	G5672		.12192
G5486.44		13324	G5547		12798	G5603		12440	G5673		.12188
G5486.5		13320	G5547.1		12799	G5603.4		12460	G5674		.12184
G5486.8		13328	G5549		12664	G5604		12436	G5675		.12180
G5488		13300	G5550		12696	G5605		12432	G5676		.12176
G5489		13256	G5551		12700	G5606		12476	G5677		.12158
G5490		13264	G5551.4		12692	G5606.4		12472	G5678		.12172
G5491		13272	G5552		12676	G5606.6		12428	G5680		.12168
G5492		13268	G5554		12672	G5608		12424	G5681		.12164
G5493		13276	G5562		12678	G5610		12420	G5682		.12160
G5493.5		13284	G5562.1		12678.1	G5612		12392	G5684		.12132
G5493.51		13288	G5564		12684	G5613		12388	G5685		.12136
G5494.44		13289	G5564.2		12680	G5613.4		12384	G5686		.12140
G5494.5		13290	G5566		12660	G5613.5		12376	G5688		.12148
G5496		13260	G5567		12620	G5613.6		12380	G5688.5		.12156
G5498		13252	G5568		12612	G5614		12372	G5689		.12152
G5499		13248	G5568.4		12616	G5615		12368	G5689.5		.12144
G5502		12888	G5568.6		12604	G5615.4		12396	G5690		.12128
G5502.4		12892	G5569		12608	G5616		12400	G5693		.12104
G5504		12880	G5570		12632	G5616.1		12404	G5694		.12108
G5506		12884	G5571		12652	G5617		12408	G5695		.12100
G5507		12876	G5572		12636	G5617.1		12412	G5696		.12096
G5507.4		12872	G5572.8		12596	G5622		12360	G5698		.12092
G5508		12868	G5573		12600	G5623		12364	G5698.4		.12088
G5508.5		12864	G5573.8		12448	G5624		12348	G5699.4		.12080
G5509		12860	G5574		12592	G5624.6		12344	G5699.6		.12076
G5510		12776	G5574.2		12452	G5625		12340	G5700		.12072
G5511		12772	G5574.4		12444	G5625.4		12356	G5701		.12068
G5512		12768	G5574.6		12644	G5625.7		12334	G5702		.12124
G5513		12760	G5574.8		12588	G5628		12328	G5704		.12120
G5513.5		12756	G5575		12584	G5628.6		12320	G5706		.12116
G5514		12752	G5576		12580	G5628.7		12316	G5707		.12112
G5516		12748	G5577		12576	G5628.8		12324	G5708		.12060
G5517		12744	G5577.4		12572	G5629		12312	G5709		.12048
G5519		12740	G5578		12568	G5629.2		12304	G5711		.12044
G5521		12704	G5578.4		12564	G5629.4		12308	G5712		.12036
G5522		12742	G5579		12640	G5629.6		12302	G5713		.12052
G5522.5		12708	G5580		12560	G5631		12300	G5713.4		.12056
G5523		12712	G5582		12552	G5632		12288	G5713.7		.12032
G5523.5		12736	G5582.2		12556	G5633		12284	G5714		.12028
G5523.6		12738	G5582.4		12558	G5634		12292	G5715		.12040
G5523.8		12716	G5582.6		12540	G5635		12296	G5716		.12020
G5524		12720	G5582.8		12544	G5635.2		12296.5	G5716.4		.12016
G5524.3		12728	G5582.81		12548	G5635.4		12297	G5718		.12012
G5524.6		12724	G5583		12551	G5635.41		12297.5	G5719		.12008
G5525		12732	G5583.5		12536	G5636		12248	G5720		.12000
G5526		12780	G5584		12528	G5640		12244	G5722		.11996
G5526.4		12784	G5586		12520	G5641		12232	G5723		.11992
G5527		12848	G5586.2		12522	G5641.2		12236	G5724		.11984
G5528		12856	G5587		12524	G5642		12228	G5725		.12004
G5529		12852	G5587.3		12526	G5647		12280	G5726		.11988
G5530		12844	G5587.5		12518	G5647.4		12276	G5727		.11980
G5531		12840	G5588		12516	G5648		12268	G5728		.11976
G5532		12828	G5589		12512	G5649		12252	G5730		.11972
G5532.1		12832	G5590		12508	G5650		12264	G5732		.11968
G5534		12824	G5593		12504	G5652		12272	G5734		.11892
G5535		12820	G5594		12500	G5654		12260	G5734.2		.11956



# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
G5734.4	.....	11952	G5757	.....	11480	G5819.4	.....	11552	G5884	.....	11180
G5734.6	.....	11948	G5758	.....	11744	G5820	.....	11548	G5888	.....	11188
G5734.7	.....	11944	G5758.4	.....	11740	G5822	.....	11544	G5889	.....	11192
G5734.8	.....	11940	G5758.7	.....	11736	G5826	.....	11316	G5890	.....	11193
G5735	.....	11932	G5760	.....	11772	G5828	.....	11320	G5910	.....	11144
G5735.2	.....	11920	G5761	.....	11776	G5829	.....	11312	G5914	.....	11140
G5735.4	.....	11924	G5761.4	.....	11774	G5830	.....	11308	G5916	.....	11136
G5735.5	.....	11925	G5761.6	.....	11773	G5831	.....	11300	G5924	.....	11132
G5735.6	.....	11928	G5762	.....	11768	G5832	.....	11304	G5972	.....	11160
G5735.7	.....	11926	G5763	.....	11756	G5833	.....	11296	G5984	.....	11156
G5735.8	.....	11918	G5764	.....	11764	G5833.4	.....	11292	G5988	.....	11148
G5736	.....	11916	G5768	.....	11752	G5834	.....	11280	G7580	.....	11112
G5736.2	.....	11912	G5771	.....	11747	G5834.2	.....	11284	K1636	.....	.9516
G5736.4	.....	11908	G5771.5	.....	11747.5	G5834.6	.....	11288	K1636.3	.....	.9518
G5736.6	.....	11904	G5772	.....	11704	G5835	.....	11268	K1638	.....	.9512
G5736.8	.....	11900	G5772.5	.....	11700	G5836	.....	11276	K1639.3	.....	.9511
G5737	.....	11896	G5773	.....	11760	G5836.2	.....	11272	K1640	.....	.9500
G5737.2	.....	11888	G5774	.....	11712	G5837	.....	11264	K1641	.....	.9508
G5737.4	.....	11884	G5776	.....	11716	G5837.4	.....	11232	K1642	.....	.9504
G5738	.....	11864	G5776.1	.....	11720	G5838	.....	11260	K1643	.....	.9472
G5738.2	.....	11868	G5778	.....	11724	G5838.4	.....	11244	K1646	.....	.9468
G5738.4	.....	11872	G5780	.....	11728	G5838.6	.....	11252	K1650	.....	.9452
G5738.6	.....	11876	G5782	.....	11732	G5838.8	.....	11256	K1654	.....	.9456
G5739	.....	11880	G5783	.....	11616	G5840	.....	11248	K1656	.....	.9460
G5739.2	.....	11860	G5794	.....	11624	G5842	.....	11420	K1656.1	.....	.9464
G5739.3	.....	11826	G5794.4	.....	11632	G5842.1	.....	11424	K1658	.....	.9448
G5739.4	.....	11828	G5795	.....	11636	G5843	.....	11416	K1659	.....	.9447
G5739.5	.....	11830	G5795.3	.....	11637	G5843.2	.....	11428	K1660	.....	.9428
G5739.6	.....	11832	G5795.5	.....	11638	G5844	.....	11432	K1662	.....	.9432
G5739.66	.....	11836	G5795.6	.....	11639	G5845	.....	11436	K1662.5	.....	.9438
G5739.7	.....	11840	G5796	.....	11640	G5846	.....	11440	K1662.51	.....	.9438.1
G5739.8	.....	11844	G5797.3	.....	11648	G5847	.....	11444	K1663	.....	.9436
G5740	.....	11848	G5797.31	.....	11652	G5847.8	.....	11412	K1669	.....	.9445.4
G5740.1	.....	11852	G5797.6	.....	11656	G5848	.....	11408	K1669.3	.....	.9445
G5740.2	.....	11856	G5797.8	.....	11644	G5850	.....	11392	K1669.4	.....	.9445.6
G5740.5	.....	11812	G5800.3	.....	11659	G5851	.....	11384	K1669.41	.....	.9445.61
G5740.6	.....	11816	G5801	.....	11660	G5852	.....	11380	K1674	.....	.9424
G5740.8	.....	11808	G5802	.....	11664	G5854	.....	11372	K1675	.....	.9416
G5741	.....	11804	G5803	.....	11668	G5856	.....	11376	K1675.8	.....	.9375.5
G5742	.....	11800	G5803.2	.....	11672	G5857	.....	11368	K1676	.....	.9374
G5743	.....	11796	G5803.21	.....	11674	G5858	.....	11364	K1676.2	.....	.9375
G5744	.....	11792	G5803.4	.....	11676	G5858.4	.....	11360	K1679.2	.....	.9376
G5744.4	.....	11788	G5803.6	.....	11684	G5858.6	.....	11356	K1679.21	.....	.9380
G5745	.....	11784	G5803.8	.....	11688	G5859	.....	11352	K1679.98	.....	.9392
G5746	.....	11780	G5805.5	.....	11654	G5860	.....	11348	K1679.99	.....	.9388
G5747	.....	11532	G5805.8	.....	11696	G5861	.....	11332	K1680	.....	.9384
G5747.2	.....	11536	G5806	.....	11692	G5861.4	.....	11336	K1680.01	.....	.9393
G5747.3	.....	11824	G5807	.....	11604	G5862	.....	11340	K1681.9	.....	.9396
G5747.32	.....	11825	G5807.2	.....	11608	G5863	.....	11344	K1681.91	.....	.9398
G5747.34	.....	11820	G5807.4	.....	11592	G5863.7	.....	11328	K1681.99	.....	.9404
G5747.38	.....	11818	G5808	.....	11588	G5863.8	.....	11164	K1682	.....	.9400
G5747.39	.....	11822	G5808.2	.....	11584	G5864	.....	11168	K1683.7	.....	.9413
G5747.4	.....	11516	G5808.4	.....	11576	G5866	.....	11172	K1683.71	.....	.9413.1
G5747.6	.....	11512	G5809	.....	11476	G5866.6	.....	11172.2	K1683.811	.....	.9414
G5747.8	.....	11508	G5810	.....	11472	G5866.8	.....	11172.4	K1683.812	.....	.9414.5
G5748	.....	11528	G5811	.....	11468	G5867	.....	11172.6	K1683.835	.....	.9408
G5748.5	.....	11524	G5811.5	.....	11464	G5867.4	.....	11172.8	K1683.836	.....	.9412
G5749	.....	11520	G5812	.....	11460	G5869	.....	11196	K1683.85	.....	.9364
G5749.5	.....	11526	G5812.3	.....	11454	G5870	.....	11200	K1685.4	.....	.9348
G5751	.....	11492	G5812.6	.....	11564	G5872	.....	11204	K1685.8	.....	.9353
G5752	.....	11496	G5813	.....	11560	G5874	.....	11208	K1685.9	.....	.9357
G5753	.....	11500	G5814	.....	11556	G5876	.....	11212	K1687.85	.....	.9334
G5753.6	.....	11504	G5816	.....	11540	G5877	.....	11214	K1690	.....	.9344
G5754	.....	11488	G5818	.....	11152	G5878	.....	11216	K1690.2	.....	.9346
G5756	.....	11484	G5819	.....	11572	G5882	.....	11176	K1690.4	.....	.9336

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K1690.6		9340	K1739.8		9203	K1761.5		9028	K1777.51		.8986.1
K1691		9340.5	K1739.9		9199	K1762.4		9040	K1777.82		.8992
K1691.205		9340.7	K1740		9164	K1762.7		9027	K1777.84		.8996
K1691.207		9340.72	K1741		9168	K1762.71		9027.1,	K1777.86		.9000
K1691.4		9340.8	K1742		9169.1	9038.1			K1778		.8968
K1691.41		9340.82	K1742.1		9169	K1762.8		9044	K1778.1		.8972
K1691.411		9340.83	K1742.3		9169.2	K1763		9048	K1778.2		.8974
K1691.55		9340.9	K1744		9180	K1763.1		9052	K1778.3		.8973
K1691.57		9340.97	K1744.1		9184	K1764		9076	K1778.6		.8960
K1691.58		9340.98	K1753		9186	K1765		9064	K1778.64		.8964
K1691.62		9340.96	K1753.2		9188	K1765.3		9062	K1779.4		.8958
K1691.65		9340.92	K1753.21		9190	K1766		9078	K1779.6		.8957
K1691.66		9340.94	K1753.4		9198	K1766.2		9078.2	K1779.65		.8957.2
K1691.7		9341.2	K1753.6		9160	K1766.31		9078.3	K1780.7		.8948
K1691.77		9341.5	K1754		9152	K1766.32		9078.31	K1780.73		.8944
K1691.78		9341	K1754.1		9156	K1766.4		9078.4	K1780.75		.8945, 8950
K1691.8		9341.7	K1754.5		9156.2	K1766.5		9078.6	K1780.76		.8952
K1691.82		9341.75	K1754.51		9156.3	K1767.1		9082	K1780.77		.8957.7
K1691.84		9342.1	K1754.6		9156.7	K1767.115		9083	K1780.78		.8956
K1691.85		9342	K1754.7		9156.6	K1767.4		9085	K1780.8		.8954
K1691.86		9342.2	K1754.9		9157	K1767.6		9063	K1780.9		.8939
K1691.88		9343.2	K1755		9150, 9158	K1767.61		9063.1	K1781		.8936
K1691.881		9343.4	K1755.1		9150.1,	K1768.5		9090.5	K1781.4		.8928
K1691.92		9343.5	9158.1			K1768.51		9090.51	K1781.41		.8932
K1691.969		9343.6	K1755.2		9151	K1768.54		9090.53	K1781.47		.8926.2
K1691.98		9328	K1756		9140	K1768.541			K1781.5		.8926.3
K1691.99		9332	K1756.2		9141	9090.531			K1781.53		.8926.7
K1692.4		9320	K1756.25		9142	K1768.56		9090.6	K1781.6		.8926
K1693.5		9326	K1756.4		9144	K1768.561		9090.61	K1781.7		.8926.5
K1694		9316	K1756.41		9144.1	K1768.6		9090.7	K1781.77		.8925.7
K1695		9312	K1756.45		9146	K1768.61		9090.71	K1781.8		.8925.5
K1696		9308	K1756.46		9146.1	K1768.7		9090.8	K1782		.8888
K1698		9304	K1756.5		9149	K1768.71		9090.81	K1784		.8892
K1702		9284	K1756.52		9149.2	K1769.06		9091.01	K1784.5		.8896
K1704.1		9296	K1756.6		9132	K1769.07		9091.02	K1784.51		.8900
K1704.2		9298	K1756.61		9136	K1769.08		9091.05	K1785.1		.8908
K1707.4		9302	K1756.7		9137	K1769.51		9091.5	K1786.3		.8912
K1710		9276	K1757		9124	K1769.55		9091.2	K1786.31		.8916
K1712		9280	K1757.1		9128	K1770		9096	K1786.5		.8920
K1714		9272	K1757.2		9116	K1770.15		9100	K1786.51		.8924
K1715.3		9270	K1757.21		9120	K1770.2		9101	K1787.08		.8918
K1716		9268	K1757.3		9114	K1770.22		9101.1	K1787.8		.8886
K1717		9264	K1757.31		9114.5	K1770.3		9102	K1788		.8884
K1718		9252	K1757.5		9112	K1770.4		9102.1	K1790		.8880
K1719		9256	K1757.6		9104	K1771		9008	K1792		.8876
K1719.4		9260	K1757.61		9108	K1771.1		9012	K1794		.8872
K1720		9254	K1757.63		9109	K1771.75		9102.2	K1795		.8868
K1721.4		9255	K1757.65		9103.9	K1771.8		9092	K1796		.8856
K1721.41		9255.1	K1757.66		9103.8	K1773.5		9021	K1798		.8860
K1722		9248	K1757.7		9103.5	K1773.51		9022	K1800		.8832
K1723		9216	K1757.71		9103.6	K1774		9004	K1801.08		.8838
K1724		9212	K1757.79		9103.1	K1775.8		9000.5	K1801.095		.8836
K1726		9228	K1757.8		9103	K1775.9		9006	K1802		.8840
K1726.2		9240	K1757.81		9103.2	K1776		9001	K1802.5		.8844
K1727		9242	K1757.9		9102.9	K1776.1		9000.7	K1802.51		.8848
K1728		9208	K1758.3		9102.7	K1776.3		9002	K1804.9		.8853
K1730		9220	K1758.7		9102.5	K1776.4		9003	K1804.91		.8854
K1732		9224	K1760		9024	K1776.42		9003.1	K1806		.8830
K1733		9232	K1760.5		9026	K1777		8976	K1806.5		.8828.5
K1733.4		9236	K1760.6		9038	K1777.05		8980	K1807		.8829
K1735		9225	K1760.612		9038.2	K1777.2		8984	K1807.5		.8829.5
K1739		9204	K1760.7		9037	K1777.22		8985	K1807.6		.8829.6
K1739.4		9200	K1760.71		9037.1	K1777.4		8988	K1808		.8828
K1739.6		9201	K1761		9036	K1777.45		8989	K1809		.8824
K1739.7		9202	K1761.1		9036.1	K1777.5		8986	K1810.05		.8820.5

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K1810.2		8821	K1908		8576	K2034		8368	K2104		8196
K1811		8812	K1908.01		8580	K2036		8372	K2106		8200
K1811.1		8816	K1910		8584	K2036.1		8376	K2110		8208
K1811.3		8822	K1910.01		8588	K2039		8357	K2112		8136
K1811.4		8822.05	K1910.3		8592	K2039.1		8358	K2114		8212
K1811.5		8822.1	K1914		8600	K2040		8359	K2116		8128
K1811.55		8822.15	K1929		8560	K2040.1		8360	K2117		8132
K1811.6		8822.2	K1930.3	8470,	8472	K2041		8355	K2118		8124
K1812		8811.5	K1930.5		8471	K2042		8356	K2120		8120
K1814		8809	K1931.1		8481	K2044		8352	K2121		8116
K1814.2		8810	K1931.6		8482	K2044.1		8351	K2122.1		8112
K1818		8772	K1935		8552	K2045		8350	K2122.8		8100
K1820		8776	K1935.1		8556	K2045.1		8350.5	K2123		8104
K1822		8784	K1935.3		8548	K2048.5		8348.5	K2124		8108
K1824		8788	K1936		8532	K2050		8344	K2126		8092
K1824.5		8792	K1936.1		8536	K2051		8342	K2128		8096
K1838		8796	K1940		8540	K2051.3		8341	K2129		8084
K1839		8808	K1940.1		8544	K2052		8340	K2129.4		8088
K1840		8804	K1945		8557	K2055.01		8272	K2130		8080
K1841		8800	K1945.2		8557.2	K2055.2		8274	K2132		8076
K1841.5		8806	K1948		8524	K2055.6		8276	K2133		8068
K1842		8780	K1948.2		8526	K2055.61		8280	K2133.1		8072
K1847		8756	K1950		8518	K2055.8		8284	K2134		8074
K1850		8760	K1952		8522	K2055.81		8288	K2136		8064
K1852		8764	K1955		8484	K2055.82		8286	K2138		8048
K1854		8768	K1956		8488	K2056.2		8298	K2139		8052
K1856		8752	K1957		8492	K2056.4		8268	K2140		8056
K1858		8748	K1958		8493	K2056.6		8270	K2141		8058
K1860		8740	K1960		8508	K2057		8300	K2141.2		8058.1
K1860.1		8744	K1961		8494	K2057.1		8304	K2142		8060
K1861		8700	K1961.5		8495	K2058		8316	K2146		8028
K1862		8704	K1962		8512	K2058.1		8320	K2150		8032
K1866		8696	K1963		8496	K2058.3		8312	K2151		8034
K1870		8428	K1963.15		8514	K2058.5		8308	K2152		8036
K1872		8692	K1963.2		8500	K2059		8332	K2158		8016
K1872.5		8680	K1963.3		8504	K2059.1		8336	K2158.1		8020
K1873		8676	K1970		8476	K2059.4		8302	K2162		8024
K1874		8672	K1971		8477	K2059.6		8324	K2172		8012
K1876		8668	K1973		8464	K2059.61		8325	K2176		7992
K1878		8664	K1973.1		8468	K2059.7		8328	K2176.1		7996
K1878.5		8684	K1974		8456	K2059.8		8338	K2177		8000
K1879		8616	K1978		8460	K2061		8339	K2177.5		8004
K1879.2		8620	K1980		8450	K2061.4		8338.5	K2177.51		8008
K1879.3		8624	K1982		8448	K2061.69		8337	K2180		7988
K1879.4		8624.5	K1986		8444	K2061.7		8337.1	K2182		7984
K1879.6		8625	K1988		8445	K2062.5		8339.5	K2186		6936
K1879.7		8625.5	K1994		8440	K2078		8264	K2188		6932
K1879.9		8626	K1995		8436	K2081		8260	K2189		6928
K1880		8660	K1996		8432	K2083		8252	K2189.5		6929
K1881		8648	K2000		8408	K2083.2		8248	K2189.51		6929.1
K1882		8657	K2000.1		8412	K2084		8256	K2190		6924
K1882.2		8658	K2001		8424	K2087		8244	K2191		6948
K1882.3		8658.1	K2002		8420	K2088		8228	K2191.2		6952
K1882.5		8659	K2003		8416	K2089.4		8226	K2191.21		6956
K1882.51		8659.1	K2008		8152	K2089.5		8226.1	K2191.8		6944
K1884		8632	K2010		8148	K2091.1		8223	K2192		6940
K1885		8640	K2012		8144	K2091.13		8223.1	K2193		7464
K1885.1		8644	K2020		8406	K2092		8216	K2193.1		7468
K1888		8636	K2023		8404.5	K2092.4		8220	K2194		7460
K1889		8612	K2024		8400	K2093		8156	K2199		7472
K1890		8608	K2025		8392	K2094		8160	K2199.9		7476
K1892		8604	K2025.3		8396	K2095		8188	K2200		7480
K1902		8564	K2025.4		8388	K2096		8164	K2200.1		7484
K1904		8568	K2028		8384	K2097		8168	K2204		7488
K1904.01		8572	K2030		8370	K2098		8172	K2205		7490

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K2206		7492	K2295.1		7778.1	K2332		7600	K2424.3		7450
K2206.6		7502.5	K2296		7777	K2332.3		7605	K2426		7444
K2207		7504	K2297		7776	K2332.33		7605.1	K2428		7440
K2208		7500	K2297.5		7774	K2332.35		7605.2	K2432		7436
K2208.1		7501	K2297.6		7775	K2332.4		7605.3	K2436		7356
K2209		7505	K2300		7788	K2332.5		7605.4	K2437		7364
K2211		7505.5	K2301		7792	K2332.6		7606	K2437.2		7360
K2213		7506	K2302		7796	K2333		7608	K2438		7368
K2220		7620	K2303		7800	K2333.5		7609	K2438.1		7372
K2221		7633	K2304		7812	K2334		7612	K2438.6		7376
K2222		7632	K2305		7816	K2335		7616	K2438.8		7376.2
K2222.5		7634	K2306		7820	K2337		7888	K2439		7377.2
K2223		7636	K2307		7824	K2337.2		7889	K2439.2		7377
K2225		7652	K2308		7828	K2337.3		7889.2	K2439.6		7378
K2226		7637	K2309		7832	K2337.6		7889.5	K2439.7		7378.3
K2226.5		7640	K2310		7836	K2338		7895	K2440		7380
K2228		7642	K2311		7804	K2338.1		7896	K2441		7388
K2230		7644	K2311.2		7808	K2338.17		7889.8	K2441.1		7384
K2231.5		7647	K2311.22		7810	K2338.18		7889.7	K2442		7396
K2233		7618	K2312.5		7811	K2338.19		7890.2	K2442.2		7392
K2234		7656	K2312.55		7811.1	K2338.2		7890	K2443.7		7378.6
K2234.5		7657	K2312.6		7811.5	K2338.22		7886	K2444		7424
K2235		7658	K2313		7848	K2338.24		7890.6	K2444.2		7425
K2236		7660	K2314		7844	K2338.25		7891	K2446		7428
K2237		7662	K2316		7856	K2338.26		7938	K2446.5		7378.9
K2239		7664.1	K2316.2		7860	K2338.3		7890.4	K2446.9		7429
K2240		7667	K2317.71		7862	K2338.4		7937	K2447		7429.1
K2241		7667.5	K2318		7508	K2339.4		7900	K2447.1		7429.2
K2242		7668	K2319		7512	K2340.1		7919	K2449		7431
K2242.2		7672	K2319.5		7521.2	K2340.2		7920	K2449.1		7431.1
K2242.4		7676	K2319.6		7521.3	K2341		7940	K2449.4		7433
K2242.6		7680	K2320		7520	K2343		7932	K2449.7		7434
K2242.8		7684	K2320.1		7521	K2343.5		7924.5	K2450		7435
K2243		7688	K2322.2		7507	K2344		7972	K2450.6		7416
K2243.2		7692	K2322.25		7507.5	K2346		7924	K2451		7408
K2243.3		7693	K2322.3		7513	K2347		7925	K2452		7420
K2243.4		7696	K2322.35		7514	K2348		7926	K2454		7352
K2243.5		7697	K2322.4		7515	K2349		7927	K2455		7348
K2245		7736	K2322.45		7516	K2350		7928	K2456		7344
K2245.1		7740	K2322.5		7517	K2351		7929	K2460		7332
K2248		7700	K2322.55		7518	K2352		7930	K2460.1		7336
K2249		7704	K2322.6		7519	K2353		7944	K2461.5		7330
K2250		7708	K2322.63		7519.6	K2353.4		7948	K2476		7328
K2251		7712	K2322.65		7522	K2354		7952	K2480		7324
K2252		7716	K2322.7		7523	K2354.4		7960	K2482		7320
K2253		7720	K2322.75		7524	K2355		7964	K2484		7316
K2253.2		7724	K2322.8		7525	K2356		7956	K2486		7312
K2253.4		7728	K2322.83		7525.6	K2357		7968	K2492		7300
K2254		7732	K2322.85		7526	K2361		7904	K2492.5		7304
K2254.5		7734	K2322.9		7527	K2361.1		7908	K2493		7308
K2255		7748	K2322.95		7527.5	K2401.6		7974	K2494		7296
K2255.4		7744	K2323		7528	K2404		7976	K2495		7292
K2257		7752	K2323.2		7529	K2404.1		7980	K2496		7288
K2270		7760	K2323.25		7530	K2417.2		7885.4	K2500		7204
K2270.1		7764	K2323.3		7531	K2417.32		7885.5	K2502		7208
K2270.15		7754	K2324		7564	K2417.73		7884.5	K2503		7212
K2270.6		7756	K2325		7532	K2418		7884	K2504.2		7260
K2270.7		7765	K2325.5		7523.4	K2418.8		7879	K2504.3		7280
K2270.71		7766	K2327		7572	K2418.9		7878	K2504.6		7284
K2270.9		7767	K2328		7576	K2419		7880	K2504.9		7224
K2271		7772	K2330		7580	K2420		7872	K2506		7228
K2272		7768	K2331		7584	K2420.1		7876	K2512		7232
K2281		7773	K2331.38		7590	K2422		7868	K2514		7236
K2290		7840	K2331.6		7592	K2423		7456	K2516		7240
K2295		7778	K2331.8		7604	K2424.2		7448	K2518		7244

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K2520		7248	K2602		6437	K2652.5		6204.7	K2730		.6072
K2522		7252	K2602.1		6437.1	K2653		6206	K2732		.6068
K2524		7256	K2604		6452	K2653.5		6205	K2732.1		.6069
K2525		7264	K2608.1		6460	K2654		6205.5	K2733		.6070
K2526		7268	K2610		6464	K2656		6208	K2740		.6076
K2529		7272	K2610.1		6464.1	K2656.6		6210	K2740.01		.6078
K2531		7200	K2611		6476	K2657		6209	K2740.02		.6079
K2534		7188	K2611.2		6480	K2662		6216	K2740.1		.6080
K2534.1		7192	K2612		6468	K2662.2		6217	K2742		.6094
K2538		7196	K2612.2		6472	K2663		6218	K2742.2		.6094.1
K2540		7180	K2614		6416	K2663.5		6219	K2743		.6100
K2542.3		6617	K2616		6420	K2663.6		6215	K2743.1		.6104
K2542.4		6618	K2617		6424	K2663.7		6214	K2750		.6093
K2542.5		6620	K2618		6428	K2664		6220	K2757.5		.6097
K2543.24		6627	K2618.1		6432	K2665		6222	K2758		.6108
K2543.85		6625	K2619		6408	K2666		6224	K2758.1		.6112
K2544		7168	K2619.3		6409	K2668		6226	K2759		.6096
K2545		7172	K2619.5		6412	K2673.5		6236	K2760		.6125
K2554		6612	K2622		6404	K2674		6244	K2760.5		.6121
K2555		6608	K2623		6324	K2676		6256	K2760.51		.6121.2
K2556		6604	K2624		6327	K2676.2		6257	K2762		.6116
K2557		6600	K2624.4		6325	K2676.4		6264	K2762.1		.6120
K2557.5		6598	K2624.5		6356	K2678		6248	K2764		.6126
K2558		6592	K2625		6344	K2682		6252	K2765		.6127.1
K2560.2		6595	K2625.1		6348	K2684		6260	K2765.2		.6127
K2561		6596	K2625.5		6349	K2686		6261	K2765.4		.6127.2
K2570		6588	K2625.51		6349.1	K2688		6268	K2766		.6128
K2572		6576	K2626		6352	K2689.5		6296.1	K2770		.6052
K2572.6		6580	K2626.3		6401	K2692		6276	K2770.5		.6054
K2573.2		6584	K2626.35		6402	K2692.1		6280	K2770.8		.6062
K2573.58		6586	K2626.4		6358	K2693		6284	K2771.2		.6057
K2573.59		6586.1	K2626.42		6358.2	K2693.1		6288	K2771.21		.6057.1
K2574		6572	K2626.48		6358.8	K2695		6272	K2771.5		.6061
K2576		6568	K2626.7		6376	K2695.4		6292	K2771.6		.6061.1
K2577.2		6567	K2626.76		6380	K2695.45		6289	K2775.9		.6050
K2577.6		6556	K2626.8		6381	K2695.5		6293	K2776		.6048
K2577.8		6540	K2626.81		6381.1	K2696		6294	K2780		.6040
K2578.2		6565	K2626.9		6382	K2696.4		6295	K2781		.6036
K2578.3		6560	K2626.91		6382.1	K2696.55		6295.5	K2782.4		.6034
K2578.31		6564	K2626.93		6384	K2696.71		6295.6	K2782.41		.6034.1
K2581		6550	K2626.95		6383	K2696.73		6295.63	K2783		.6044
K2582		6544	K2628		6386	K2696.74		6295.65	K2784		.6028
K2582.1		6548	K2629		6400	K2696.82		6299	K2788		.6024
K2582.4		6552	K2630		6388	K2696.84		6298	K2790		.6017
K2584		6520	K2630.6		6393	K2696.9		6305	K2791		.6020
K2585		6532	K2631.8		6392	K2697		6300	K2792		.6019
K2585.1		6536	K2631.996		6397	K2697.2		6304	K2796		.6016
K2586		6528	K2631.997		6397.1	K2697.5		6311	K2796.1		.6016.5
K2587		6524	K2632		6316	K2697.9		6308	K2799.2		.6008
K2588		6504	K2636		6180	K2697.92		6309	K2799.25		.6003
K2588.5		6505	K2637		6176	K2698		6310	K2799.6		.6002
K2589		6508	K2638		6184	K2698.2		6306	K2800		.5999
K2590		6506	K2638.1		6188	K2698.35		6312	K2800.1		.5999.1
K2591		6512	K2638.52		6191	K2698.36		6313	K2803		.5996
K2592.6		6519	K2638.53		6191.5	K2702		6156	K2803.2		.5979
K2592.61		6519.1	K2638.55		6191.6	K2707.8		6172	K2803.6		.5982
K2593.3		6518	K2638.57		6191.1	K2710		6160	K2804		.5988
K2594		6500	K2641		6190	K2710.2		6164	K2804.1		.5992
K2598		6496	K2641.1		6190.1	K2711		6154	K2804.5		.5984
K2598.5		6498	K2641.102		6190.2	K2712		6152	K2805		.5980
K2599.72		6495	K2643		6193	K2722		6134	K2806		.5993
K2599.8		6495.5	K2644		6192	K2727		6063	K2807		.5993.5
K2599.81		6495.6	K2650		6200	K2728		6064	K2812		.5976
K2600		6444	K2650.1		6204	K2729		6088	K2812.5		.5975
K2601		6440	K2652		6196	K2729.1		6092	K2812.51		.5973

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K2813	.....	5972	K2861.5	.....	5828	K2878.5	.....	5782	K2974	.....	10372
K2814	.....	5960	K2861.51	.....	5832	K2878.7	.....	5783	K2974.1	.....	10376
K2814.1	.....	5960.1	K2861.7	.....	5836	K2880.6	.....	5783.9	K2976	.....	10380
K2815	.....	5968	K2861.71	.....	5840	K2880.7	.....	5783.7	K2976.1	.....	10384
K2815.4	.....	5964	K2861.9	.....	5694.2	K2880.8	.....	5783.5	K2976.4	.....	10388
K2815.6	.....	5969	K2862.2	.....	5694.3	K2880.9	.....	5783.3	K2976.41	.....	10392
K2818	.....	5920	K2862.6	.....	5694.6	K2881	.....	5768	K2978	.....	10396
K2818.4	.....	5924	K2862.8	.....	5694.4	K2882	.....	5772	K2978.1	.....	10400
K2819	.....	5916	K2863	.....	5816	K2885	.....	5774	K2979	.....	10393
K2819.9	.....	5932	K2863.2	.....	5817	K2885.1	.....	5774.1	K2979.2	.....	10394
K2820	.....	5936	K2863.4	.....	5696	K2885.2	.....	5775	K2979.4	.....	10395
K2820.1	.....	5940	K2863.506	.....	5695.85	K2886.8	.....	5784	K2979.8	.....	10404
K2822	.....	5945	K2863.53	.....	5696.2	K2897	.....	5788	K2981	.....	10405
K2824	.....	5948	K2863.6	.....	5695.8	K2898.3	.....	5813	K2982	.....	10408
K2824.1	.....	5952	K2864.3	.....	5704	K2898.7	.....	5800	K2982.1	.....	10412
K2824.2	.....	5956	K2864.5	.....	5699	K2898.8	.....	5801	K2982.6	.....	10420
K2829	.....	5900	K2864.51	.....	5699.1	K2899.4	.....	5804	K2983	.....	10424
K2830	.....	5904	K2864.52	.....	5698	K2899.9	.....	5805	K2984	.....	10426
K2831	.....	5908	K2864.6	.....	5708	K2899.91	.....	5806	K2987	.....	10428
K2834	.....	5888	K2865	.....	5712	K2899.98	.....	5807.8	K2987.2	.....	10432
K2834.5	.....	5898	K2865.5	.....	5713	K2900	.....	5808	K2987.81	.....	10406
K2835	.....	5892	K2866	.....	5724	K2900.1	.....	5808.4	K2987.82	.....	10407
K2836	.....	5896	K2866.3	.....	5714	K2900.2	.....	5809	K2988.3	.....	10433
K2838	.....	5884	K2866.8	.....	5715.1	K2900.52	.....	5810	K2988.31	.....	10434
K2840	.....	5880	K2866.85	.....	5715.05	K2900.62	.....	5810.2	K2988.5	.....	10435
K2841	.....	5876	K2866.9	.....	5715.2	K2900.88	.....	5792	K2988.6	.....	10436
K2844	.....	5872	K2866.91	.....	5715.3	K2901	.....	5802	K2989.1	.....	10436.3
K2845	.....	5868	K2867	.....	5716	K2901.01	.....	5803	K2989.15	.....	10436.5
K2846.2	.....	5869	K2867.1	.....	5720	K2901.4	.....	5818	K2989.2	.....	10437
K2846.4	.....	5869.1	K2868	.....	5728	K2901.45	.....	5818.1	K2989.6	.....	10446
K2846.6	.....	5869.2	K2868.1	.....	5732	K2901.7	.....	5818.6	K2989.63	.....	10439
K2846.8	.....	5869.3	K2868.3	.....	5734	K2901.85	.....	5821	K2989.651	.....	10440
K2847	.....	5864	K2868.31	.....	5735	K2901.87	.....	5820	K2989.652	.....	10438
K2850	.....	5866.5	K2868.6	.....	5740	K2903.015	.....	5825	K2989.654	.....	10441
K2850.1	.....	5866.6	K2868.8	.....	5736	K2907.8	.....	5672	K2989.68	.....	10442
K2850.2	.....	5866	K2869	.....	5742	K2908.3	.....	5664	K2989.681	.....	10442.5
K2850.21	.....	5866.1	K2869.1	.....	5741	K2908.31	.....	5668	K2989.8	.....	10443.5
K2852	.....	5860	K2869.4	.....	5743	K2912	.....	5660	K2989.9	.....	10445
K2854	.....	5848	K2869.5	.....	5744	K2916	.....	10560	K2989.91	.....	10445.5
K2854.1	.....	5852	K2869.8	.....	5748	K2916.5	.....	10562	K2989.986	.....	10444.2
K2856	.....	5676	K2870	.....	5750	K2916.51	.....	10562.1	K2989.9861	.....	10444.3
K2856.5	.....	5684.4	K2870.1	.....	5752	K2932	.....	10488	K2990	.....	10348
K2857	.....	5680	K2870.3	.....	5754	K2938.6	.....	10491	K2991	.....	10349
K2857.1	.....	5684	K2870.4	.....	5756	K2938.7	.....	10491.1	K2991.1	.....	10349.1
K2857.4	.....	5684.6	K2870.5	.....	5758	K2938.8	.....	10491.2	K2991.12	.....	10349.5
K2857.5	.....	5684.8	K2870.6	.....	5766	K2939	.....	10492	K2991.14	.....	10350
K2857.7	.....	5685	K2870.7	.....	5766.1	K2955	.....	10480	K2991.15	.....	10350.1
K2857.9	.....	5685.3	K2871	.....	5767	K2956	.....	10476	K2991.22	.....	10350.5
K2858	.....	5685.6	K2871.1	.....	5767.1	K2956.11	.....	10469	K2991.3	.....	10351
K2858.2	.....	5686	K2871.15	.....	5762	K2956.29	.....	10474	K2991.31	.....	10351.2
K2858.4	.....	5686.5	K2871.2	.....	5763	K2956.291	.....	10474.1	K2991.7	.....	10319
K2858.6	.....	5687	K2871.23	.....	5760	K2956.5	.....	10471	K2991.8	.....	10319.5
K2858.8	.....	5688	K2871.25	.....	5765	K2956.501	.....	10471.1	K2992.1	.....	10336
K2858.81	.....	5692	K2871.4	.....	5767.3	K2962	.....	10464	K2997	.....	10316
K2858.93	.....	5692.7	K2871.41	.....	5767.4	K2963	.....	10448	K2997.3	.....	10317
K2859	.....	5844	K2872.7	.....	5769	K2963.5	.....	10456	K2997.5	.....	10318
K2859.5	.....	5693	K2873.51	.....	5767.5	K2964	.....	10452	K2997.6	.....	10318.1
K2859.6	.....	5693.3	K2873.52	.....	5767.6	K2968	.....	10460	K2998	.....	10314
K2859.7	.....	5693.2	K2874.22	.....	5770	K2970.4	.....	10449.2	K2998.75	.....	10315
K2859.8	.....	5693.4	K2877.5	.....	5773	K2970.7	.....	10449.4	K3000	.....	10320
K2859.9	.....	5693.45	K2877.6	.....	5773.2	K2972	.....	10352	K3001	.....	10321
K2860	.....	5693.5	K2878	.....	5783.1	K2973	.....	10356	K3002	.....	10324
K2860.2	.....	5693.55	K2878.2	.....	5782.6	K2973.1	.....	10360	K3002.1	.....	10328
K2860.4	.....	5693.6	K2878.3	.....	5782.2	K2973.2	.....	10364	K3002.5	.....	10323
K2861	.....	5694	K2878.4	.....	5782.3	K2973.3	.....	10368	K3004.1	.....	10323.5

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K3010		10329	K3066.81		10161	K3128		10024	K3227.5		.9802
K3010.1		10330	K3067.4		10164	K3132		10000	K3229		.9796
K3011		10331	K3068		10166	K3133		9998	K3232		.9788
K3011.1		10332	K3069		10128	K3137.2		9993	K3233.15		.9773
K3012		10333	K3069.2		10128.5	K3138		9988	K3233.32		.9773.1
K3012.1		10334	K3070		10133	K3140		9972	K3233.325		.9794
K3014		10312	K3070.5		10134	K3140.5		9974	K3233.4		.9786
K3014.5		10311	K3074		10150	K3141		9984	K3233.53		.9779.1
K3015		10300	K3076		10144	K3142		9976	K3234		.9780
K3016		10220	K3076.1		10148	K3142.1		9980	K3235.05		.9781
K3017		10310	K3078		10136	K3144		9985	K3235.57		.9779
K3017.5		10309	K3078.1		10140	K3145		9986	K3235.575		.9774
K3018		10308	K3082		10130	K3150		9968	K3236		.9776
K3020		10304	K3082.9		10125.4	K3157		9967	K3238		.9772
K3022		10292	K3083		10125.2	K3162		9964	K3239		.9769
K3023		10288	K3083.1		10125	K3163		9965	K3239.1		.9770
K3024		10282	K3083.39		10126.2	K3166		9948	K3240		.9768
K3024.4		10284	K3083.4		10126	K3167		9950	K3240.4		.9764
K3024.41		10285	K3083.41		10126.4	K3168		9956	K3241		.9760
K3026		10276	K3085		10120	K3170.2		9952	K3242		.9756
K3031		10240	K3086		10124.2	K3172.3		9906	K3242.5		.9752
K3032		10244	K3088		10124	K3172.31		9908	K3243		.9748
K3032.1		10248	K3090		10108	K3173		9910	K3244		.9744
K3033		10252	K3091		10104	K3173.2		9912	K3248		.9740
K3033.1		10256	K3092.1		10096	K3180		9916	K3250		.9736
K3034		10257	K3096		10052	K3180.1		9920	K3252		.9732
K3034.1		10257.1	K3096.4		10053	K3183		9928	K3254		.9728
K3035		10268	K3096.5		10061	K3184		9932	K3256		.9724
K3036		10260	K3097		10056	K3184.3		9903.7	K3257		.9721
K3043		10222	K3097.01		10060	K3184.35		9903.75	K3257.1		.9722
K3048		10224	K3097.4		10063	K3184.5		9903.6	K3258		.9680
K3049		10228	K3100		10062	K3184.51		9903.61	K3258.1		.9684
K3052		10229	K3100.1		10062.1	K3185		9903.5	K3260		.9676
K3053		10230	K3101.8		10063.6	K3186		9900	K3262		.9660
K3054		10231	K3101.81		10063.61	K3189		9898	K3262.9		.9662.1
K3054.1		10231.1	K3103		10064	K3194		9896	K3263		.9662
K3056		10229.5	K3104		10068	K3195.9		9893	K3264		.9672
K3060		10216	K3106		10063.4	K3195.95		9893.3	K3265		.9664
K3061		10213	K3106.01		10063.41	K3196		9892	K3265.1		.9668
K3061.3		10214	K3106.1		10063.8	K3200		9888	K3265.2		.9658
K3061.7		10212.5	K3106.11		10063.81	K3206		9884	K3266		.9652
K3062		10212	K3106.2		10063.2	K3206.55		9886	K3266.5		.9654
K3062.6		10210	K3106.21		10063.21	K3206.6		9886.5	K3267		.9656
K3062.7		10209	K3109.2		10092	K3206.7		9887	K3268		.9636
K3062.8		10208.5	K3109.22		10070	K3207		9880	K3268.1		.9640
K3063		10208	K3110		10048	K3208		9868	K3268.5		.9648
K3064		10204	K3111		10044	K3210.1		9872, 9876	K3270		.9624
K3064.2		10202	K3112		10040	K3214		9864	K3270.1		.9628
K3064.5		10184	K3112.4		10082	K3214.2		9862.4	K3274		.9620
K3064.7		10165	K3112.41		10082.1	K3214.25		9862.2	K3278		.9688
K3065.8		10188	K3112.63		10065.2	K3214.3		9862	K3278.5		.9690
K3066		10192	K3112.64		10065.1	K3215		9852	K3278.7		.9689
K3066.03		10192.2	K3112.65		10065	K3215.5		9850	K3279		.9692
K3066.05		10192.4	K3115		10034	K3216		9848	K3280		.9696
K3066.07		10192.6	K3115.1		10034.1	K3217		9844	K3282		.9698
K3066.24		10196	K3117		10030	K3219		9840	K3284		.9700
K3066.35		10182	K3118		10029	K3219.5		9830	K3285		.9704
K3066.36		10182.1	K3119		10026	K3220		9836	K3286		.9702
K3066.38		10195	K3120		10028	K3221.1		9832.1	K3287		.9706
K3066.4		10176	K3120.5		10004	K3221.4		9828	K3288		.9708
K3066.41		10180	K3120.7		10008	K3222		9824	K3290		.9714
K3066.5		10172	K3121.5		9999	K3223.2		9801	K3292		.9712
K3066.57		10170	K3124		10012	K3224		9820	K3297		.9596
K3066.6		10200	K3124.1		10016	K3226		9812	K3297.4		.9600
K3066.8		10160	K3126		10020	K3226.6		9808	K3297.72		.9608

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K3297.74		9604	K3490.24		10870.7	K3566.1		7092	K3601.3		.6646
K3298		9612	K3490.26		10871	K3569.9		7108	K3601.4		.6647
K3298.1		9616	K3490.28		10871.2	K3570		7104	K3601.5		.6649
K3304.8		9582	K3490.32		10871.7	K3570.1		7110	K3601.6		.6648
K3304.9		9580.8	K3491.2		10868	K3571		7076	K3602		.6652
K3305		9568	K3492		10864	K3571.1		7084	K3606		.6656
K3306		9572	K3494		10852	K3571.14		7080	K3607		.6660
K3307		9576	K3495		10894	K3571.2		7113	K3607.5		.6661
K3307.4		9578	K3495.5		10894.5	K3571.21		7113.1	K3608		.6664
K3308		9580	K3498		10844	K3571.4		7096	K3608.2		.6666
K3309		9565	K3498.1		10848	K3571.6		7100	K3608.5		.6667
K3310		9566	K3500		10838	K3572.4		7112	K3609.4		.6668
K3310.2		9567	K3504		10832	K3572.6		7116	K3609.6		.6676
K3310.5		9564	K3505		10836	K3573		7120	K3609.7		.6678
K3311		9560	K3506		10892	K3574		7132	K3609.8		.6672
K3312		9556	K3506.5		10890	K3574.1		7136	K3609.9		.6673
K3312.5		9553	K3507		10916	K3574.4		7124	K3610.1		.6682
K3312.8		9552.5	K3507.1		10918	K3574.6		7128	K3610.2		.6680
K3313		9552	K3507.2		10918.2	K3575.4		7129	K3611		.6684
K3313.4		9552.2	K3507.3		10918.4	K3576		7125	K3612		.6688
K3314		9548	K3507.35		10917	K3576.1		7125.1	K3612.5		.6690
K3315		9544	K3507.5		10919	K3576.4		7130	K3614		.6716
K3316		9540	K3507.6		10924	K3577		7140	K3615		.6718
K3317		9536	K3508		10920	K3577.1		7144	K3620		.6724
K3317.5		9538	K3509.3		10925	K3577.4		7146	K3620.5		.6722
K3318		9520	K3509.5		10926	K3577.8		7148	K3621		.6720
K3321		9524	K3510		10912	K3580.2		7154	K3621.2		.6719
K3323		9532	K3510.5		10905	K3580.4		7156	K3621.5		.6723
K3324		9528	K3510.6		10904.3	K3581		7156.1	K3622		.6728
K3325		9529	K3510.7		10904.2	K3581.4		7156.2	K3623		.6730
K3328		9533	K3510.8		10904.1	K3581.7		7156.3	K3624		.6732
K3328.1		9533.1	K3511		10904	K3581.8		7156.5	K3627		.6736
K3328.3		9534	K3512		10900	K3581.81		7156.51	K3627.6		.6740
K3328.4		9535	K3514		10896	K3582		7156.6	K3627.7		.6741
K3328.402		9535.4	K3518		6960	K3582.4		7156.7	K3627.72		.6741.1
K3328.48		9535.53	K3520		6964	K3582.8		7157	K3627.8		.6742
K3328.5		9535.55	K3524		6968	K3583		7157.1	K3627.81		.6742.1
K3328.6		9535.5	K3526		6972	K3584.3		7157.2	K3628		.6744
K3328.61		9535.51	K3531		6980	K3584.4		7157.3	K3629.3		.6744.4
K3329		9535.6	K3532		6984	K3584.6		7157.4	K3629.35		.6744.9
K3329.2		9535.65	K3533		6987	K3585.3		7157.7	K3629.4		.6744.8
K3329.541		9535.67	K3534		6988	K3586.5		7158.3	K3629.41		.6744.5
K3329.542			K3534.1		6992	K3586.51		7158.5	K3629.43		.6744.7
9535.671			K3535		7020	K3586.6		7158.6	K3630.3		.6745
K3329.61		9535.66	K3536.4		7011	K3586.79		7158.7	K3630.36		.6746
K3329.62			K3536.6		7011.2	K3586.8		7158.9	K3630.4		.6748
9535.661			K3544		7012	K3586.81		7159	K3632.3		.6752
K3329.7		9535.7	K3544.1		7016	K3587		7159.1	K3632.31		.6756
K3329.8		9535.71	K3545.5		7010.5	K3587.2		7159.2	K3632.4		.6760
K3330		9535.9	K3545.51		7010.51	K3587.21		7159.3	K3632.41		.6764
K3476		10928	K3548		7024	K3587.4		7159.5	K3632.5		.6768
K3478		10888	K3550		7032	K3587.6		7159.6	K3632.6		.6772
K3480		10884	K3553		7056	K3588.1		7160	K3634		.6780
K3484		10880	K3553.1		7060	K3588.11		7160.1	K3635		.6784
K3486		10872	K3556		7036	K3598.99		7162	K3636.1		.6790
K3488		10876	K3556.2		7044	K3599		7164	K3636.2		.6788
K3489.5		10874	K3556.3		7052	K3600		6644	K3636.3		.6792
K3489.55		10874.1	K3557		7040	K3600.4		6640	K3636.35		.6793
K3490.1		10869	K3557.2		7048	K3600.5		6630	K3636.36		.6794
K3490.12		10869.2	K3558		7064	K3600.6		6632	K3636.42		.6798
K3490.14		10869.5	K3558.1		7068	K3600.8		6636	K3636.6		.6796
K3490.16		10869.7	K3558.4		7063	K3601		6644.5	K3637		.6804
K3490.18		10870	K3558.41		7063.1	K3601.22		6645.2	K3638		.6808
K3490.2		10870.2	K3563		7072	K3601.24		6645.4	K3640		.6812
K3490.22		10870.5	K3566		7088	K3601.25		6645.5	K3641		.6816



## CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K3642		6820	K3710		3908	K3742		4036	K3880		4264
K3643		6824	K3710.05		3907	K3742.2		4038	K3880.5		4266
K3643.3		6825	K3710.1		3916	K3743		4044	K3882		4272
K3643.4		6825.5	K3710.2		3917	K3743.2		4046	K3886		4284
K3643.6		6826	K3711		3920	K3744		4048	K3888		4280
K3644		6856	K3712		3924	K3744.1		4051	K3890		4292
K3645		6828	K3712.1		3925	K3745		4052	K3892		4288
K3645.5		6832	K3712.11		3925.1	K3746		4056	K3893		4296
K3647		6836	K3712.12		3926	K3746.1		4060	K3896		4300
K3648		6840	K3713		3932	K3748		4064	K3897		4304
K3648.4		6844	K3714		3976	K3756		4072	K3897.1		4308
K3649		6848	K3715		3980	K3758		4076	K3897.2		4309
K3650		6852	K3716		3933	K3758.2		4080	K3897.3		4310
K3652		6864	K3716.65		3937	K3758.4		4084	K3898		4312
K3654		6868	K3716.699		3933.5	K3758.6		4088	K3899		4316
K3654.5		6872	K3716.7		3934	K3759		4090	K3899.05		4318
K3655		6876	K3717		3948	K3767		4096	K3899.1		4320
K3655.3		6878	K3717.4		3951	K3768		4097	K3899.2		4336
K3656		6880	K3717.41		3951.1	K3768.2		4098	K3899.4		4328
K3658		6884	K3717.43		3939	K3770		4146	K3899.41		4332
K3659		6888	K3717.45		3940	K3770.01		4147	K3899.7		4340
K3660		6892	K3717.47		3941	K3770.03		4148	K3899.8		4344
K3664		6896	K3718.751		3950	K3771		4105	K3900		4348
K3665		6904	K3718.755		3950.1	K3772		4106	K3900.4		4352
K3668		6900	K3718.757		3950.2	K3773		4107	K3903		4364
K3673		6908	K3718.759		3949	K3774		4108	K3904		4366
K3676		6916	K3718.8		3936	K3797.2		4150	K3904.1		4368
K3677		6920	K3719		3964	K3797.4		4151	K3904.3		4377
K3686		3792	K3719.2		3952	K3798		4168	K3904.5		4381
K3688		3796	K3720		3972	K3798.1		4169	K3905.1		4382
K3690		3800	K3720.8		3973	K3800		4176	K3906		4396
K3690.4		3804	K3734		3984	K3818		4177	K3907		4383
K3690.6		3808	K3735		3988	K3819		4178	K3911		4399
K3694		3812	K3736		4000	K3820		4179	K3911.1		4400
K3696.5		3817	K3736.2		4276	K3822		4180	K3912		4401
K3697		3820	K3736.6		3992	K3829		4181	K3916		4402
K3697.5		3813	K3737		3996	K3832		4182	K3917		4403
K3698		3826	K3737.4		4004	K3845		4192	K3919		4392
K3698.1		3828	K3738		4020	K3845.1		4193	K3920.21		4397.5
K3699		3824	K3738.2		4008	K3845.2		4193.1	K3920.35		4398
K3700		3832	K3738.3		4006	K3845.25		4194	K3920.6		4394
K3700.5		3836	K3738.4		4010	K3845.3		4039	K3922		4408
K3700.55		3829	K3738.5		4011	K3845.4		4196	K3924		4409
K3701		3840	K3738.6		4016	K3846		4204	K3929		4428
K3702		3856	K3738.64		4014	K3846.5		4220	K3930		4432
K3703		3852	K3738.68		4011.5	K3847		4184	K3932		4436
K3704		3858	K3738.7		4012	K3847.5		4188	K3950		4456
K3705.1		3862	K3738.71		4013	K3848		4212	K3954		4460
K3705.2		3864	K3739		4024	K3848.5		4216	K3958		4464
K3705.4		3868	K3739.5		4025	K3850.55		4208	K3958.1		4468
K3705.5		3872	K3740		4028	K3850.6		4228	K3962		4472
K3705.6		3876	K3741		4032	K3851		4232	K3962.15		4473
K3705.7		3880	K3741.5		4032.5	K3852		4224	K3966		4476
K3706		3884	K3741.51		4032.6	K3853		4235	K3966.1		4480
K3707		3886	K3741.52		4032.61	K3854		4235.5	K3969		4484
K3707.8		3906.5	K3741.6		4033	K3855		4235.7	K3970		4488
K3708		3904	K3741.65		4034	K3856		4236	K3980.05		4496
K3708.2		3904.1	K3741.71		4034.1	K3860		4244	K3981		4506
K3708.3		3905	K3741.72		4034.2	K3862		4248	K3981.6		4517
K3708.5		3906	K3741.81		4032.7	K3864		4252	K3981.7		4524
K3708.9		3906.1	K3741.82		4032.71	K3868		4240	K3982.5		4520
K3708.93		3906.2	K3741.91		4035	K3878		4260	K3982.7		4541
K3708.95		3906.3	K3741.92		4035.3	K3879		4268	K3982.71		4542
K3709		3912	K3741.93		4035.5	K3879.5		4262	K3983		4536
K3709.5		3914	K3741.94		4035.7	K3879.8		4263	K3983.1		4540

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K3983.15		4555	K4089		4786	K4236		5044	K4288		5250
K3983.2		4552	K4090		4804	K4237		5038	K4289		5278
K3983.25		4554.1	K4091		4828	K4237.4		5036	K4290		5256
K3983.3		4554	K4092		4808	K4238		5028	K4290.1		5260
K3984		4516	K4092.8		4812	K4240		5032	K4291		5248
K3990		4556	K4093		4820	K4241		5040	K4293		5252
K3990.1		4560	K4093.1		4824	K4242		5048	K4296		5264
K3992		4564	K4093.3		4806	K4242.05		5049	K4296.1		5268
K3993		4568	K4094		4825	K4242.1		5052	K4299		5276
K3994		4572	K4094.1		4825.1	K4242.15		5056	K4300		5272
K3998		4576	K4094.5		4826	K4242.17		5066	K4301		5269
K4000		4580	K4094.51		4826.1	K4242.2		5060	K4301.1		5269.1
K4004		4584	K4095		4827	K4242.3		5064	K4304		5240
K4006		4588	K4095.1		4827.1	K4242.4		5068	K4304.1		5244
K4010		4592	K4095.2		4827.5	K4242.5		5072	K4310		5280
K4010.1		4596	K4095.5		4832	K4242.6		5076	K4314		5284
K4011		4604	K4095.8		4833	K4242.7		5080	K4315		5285
K4012		4606	K4096		4836	K4242.9		5082	K4315.1		5286
K4013		4600	K4104		4844	K4243		5084	K4316		5288
K4014		4620	K4104.1		4848	K4244		5088	K4322		5296
K4018		4708	K4104.2		4852	K4244.5		5089	K4324		5292
K4019.6		4684	K4107		4856	K4246		5176	K4328		5323
K4020		4704	K4108		4868	K4248		5092	K4328.1		5324
K4021		4692	K4109		4870	K4249		5094	K4328.2		5328
K4021.4	4686,	4696	K4114		4880	K4249.5		5095	K4329		5332
K4022		4682	K4115		4872	K4250		5096	K4329.4		5308
K4024		4688	K4116.1		3981.1	K4252		5100	K4330		5316
K4032		4668	K4119		4876	K4253		5104	K4330.1		5320
K4032.1		4669	K4122		4884	K4253.5		5106	K4331		5304
K4043		4639	K4130		4904	K4254		5108	K4332		5312
K4045		4635	K4132		4888	K4254.5		5110	K4335		5336
K4047		4637	K4133		4890	K4255		5112	K4335.2		5340
K4052.2		4654	K4134		4892	K4256		5116	K4340		5344
K4053		4653	K4135		4894	K4256.2		5118	K4348		5358
K4054		4608	K4136		4896	K4256.7		5119	K4350		5356
K4055		4612	K4140		4900	K4257		5120	K4358		5372
K4056		4616	K4152		4908	K4257.5		5121	K4358.1		5376
K4057		4619.1	K4153		4912	K4260		5122	K4359		5380
K4057.2		4617	K4180		4916	K4260.2		5122.5	K4360		5368
K4057.4		4617.1	K4182		4920	K4260.3		5122.3	K4362		5384
K4057.5		4618	K4198		4937	K4260.4		5122.2	K4363		5388
K4057.6		4619	K4198.1		4937.1	K4261		5123	K4364		5396
K4058		4624	K4199		4940	K4262		5164	K4365		5400
K4061		4714	K4199.1		4940.1	K4264		5168	K4366		5392
K4061.1		4715	K4204		4944	K4264.1		5172	K4367.1		5400.3
K4062.1		4717	K4206		4948	K4264.5		5162	K4367.12		5400.4
K4063		4724	K4212		4960	K4265		5166	K4369.83		5400.6
K4063.4		4720	K4214		4968	K4266		5160	K4369.86		5400.8
K4066.2		4728	K4222		5020	K4266.1		5156	K4370.25		5401
K4067		4732	K4224		4996	K4267		5152	K4371.5		5402.1
K4068		4733	K4225		4998	K4267.1		5148	K4372		5402
K4074		4746	K4225.1		4998.1	K4267.4		5144	K4372.1		5402.01
K4075		4750	K4225.6		4996.5	K4268		5132	K4372.4		5401.8
K4078		4752	K4225.8		4996.8	K4268.2		5136	K4372.5		5401.81
K4078.1		4756	K4226		4997	K4268.21		5140	K4373		5402.2
K4082		4747	K4227		5004	K4268.3		5128	K4373.2		5402.4
K4084		4780	K4227.1		5008	K4268.4		5124	K4374.73		5402.6
K4084.5		4782	K4227.4		4999	K4269		5180	K4374.9		5402.8
K4084.6		4795.1	K4228		5012	K4272		5184	K4374.91		5403
K4084.75		4795	K4228.1		5016	K4274		5188	K4374.96		5403.2
K4085		4800	K4230		5000	K4275		5192	K4375.2		5403.4
K4086		4796	K4230.15		5001	K4277		5198	K4375.5		5403.6
K4087		4792	K4230.2		5002	K4279		5212	K4376		5404
K4087.5		4793	K4233		5022	K4282		5216	K4380		5408
K4088		4788	K4234		5024	K4282.1		5220	K4381		5412

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K4382		5416	K4547.4		3756	K4649.25		3230.5	K4750		3288
K4384		5420	K4547.41		3760	K4649.3		3232	K4751		3252
K4387		5424	K4547.7		3776	K4650		3235.9	K4752		3260
K4388		5512	K4547.71		3780	K4651		3234	K4756		3264
K4389		5513	K4549		3782	K4651.1		3234.5	K4758		3488
K4394		5428	K4551.5		3038	K4651.5		3235	K4759		3492
K4397		5432	K4552		3052	K4651.51		3235.5	K4760		3152
K4398		5436	K4552.1		3056	K4651.7		3235.7	K4760.1		3152.1
K4400		5444	K4559		3060	K4654.7		3245	K4760.35		3152.3
K4400.1		5448	K4559.1		3064	K4655		3233	K4760.5		3152.4
K4402		5452	K4570		3076	K4661		3464	K4760.7		3153
K4402.1		5456	K4571		3077	K4662		3480	K4760.75		3153.3
K4404		5468	K4571.1		3077.1	K4663		3484	K4760.8		3153.6
K4404.1		5472	K4576		3088	K4666		3476	K4760.9		3154
K4405		5460	K4580		3092	K4668		3368	K4761		3154.5
K4405.1		5464	K4580.1		3096	K4670		3372	K4761.2		3155
K4406		5476	K4594		3108	K4672		3396	K4761.3		3155.2
K4407		5480	K4598		3112	K4672.1		3400	K4761.35		3155.4
K4408		5484	K4598.1		3116	K4673		3416	K4761.5		3155.6
K4410		5490	K4600		3118	K4676		3412	K4761.55		3155.8
K4411		5496	K4602		3119	K4677		3408	K4771		11094
K4413		5488	K4603		3120	K4678		3404	K4783		3717
K4415		5492	K4608		3128	K4682		3392	K4783.3		3718
K4424		5504	K4612		3132	K4684		3388	K4784		3719
K4424.1		5508	K4612.1		3136	K4686		3376	K4784.1		3719.1
K4432		5516	K4613		3138	K4686.1		3380	K4784.3		3716
K4433		5520	K4613.1		3139	K4687		3384	K4784.33		3715
K4433.1		5524	K4613.5		3139.5	K4694		3472	K4784.6		3714
K4434		5528	K4613.6		3139.56	K4695		3468	K4784.63		3713
K4434.1		5532	K4614		3140	K4702		3424	K4784.66		3710.6
K4438		5536	K4620		3144	K4704		3432	K4784.7		3712
K4440		5540	K4620.1		3148	K4704.1		3436	K4784.71		3712.1
K4442		5545	K4620.5		3150	K4706		3428	K4784.78		3710.4
K4444		5548	K4622		3170	K4706.5		3436.4	K4784.8		3711
K4446		5552	K4623		3172	K4708		3437	K4784.81		3711.1
K4452		5556	K4623.1		3176	K4710		3440	K4785.6		3709
K4464		5560	K4624		3180	K4710.5		3441	K4785.62		3709.5
K4464.5		5560.5	K4628		3182	K4711		3448	K4785.66		3710.2
K4465		5561	K4630		3184	K4711.2		3452	K4785.72		3710
K4466		5564	K4630.5		3184.5	K4712		3444	K4785.85		3708.2
K4468		5568	K4631		3184.7	K4712.4		3456	K4785.852		3708.3
K4470		5572	K4631.5		3185	K4714		3460	K4786		3708
K4472		5580	K4632		3192	K4714.6		3356	K4787.4		3700
K4473		5576	K4635		3194	K4716		3360	K4788.5		3726
K4475		5588	K4636		3194.2	K4717		3364	K4788.6		3729
K4475.1		5592	K4636.5		3194.6	K4719		3332	K4788.65		3729.2
K4476		5596	K4637		3197	K4722		3336	K4788.75		3728
K4478		5584	K4637.5		3198	K4722.1		3340	K4788.76		3728.2
K4486		5600	K4638.5		3198.5	K4723		3352	K4789		3728.4
K4490		5608	K4639		3200	K4726		3344	K4790		3600
K4491		5604	K4639.5		3204	K4727		3348	K4794		3612
K4492		5620	K4640		3208	K4730		3312	K4794.1		3616
K4494		5612	K4644.5		3215	K4732		3316	K4794.2		3620
K4494.1		5616	K4644.51		3216	K4733		3296	K4794.21		3621
K4496		5632	K4646		3212	K4733.4		3308	K4795		3604
K4496.1		5636	K4646.8		3214	K4734		3320	K4797		3608
K4497		5628	K4646.81		3214.5	K4734.1		3324	K4799		3624
K4498		5624	K4647		3220	K4735		3328	K4799.2		3626
K4499		5638	K4647.4		3224	K4736		3300	K4799.24		3626.2
K4506		5640	K4647.44		3226	K4736.1		3304	K4799.28		3626.4
K4528		3740	K4647.45		3226.5	K4740		3292	K4799.5		3632
K4541		3772	K4647.6		3228	K4744		3276	K4799.6		3628
K4543		3768	K4647.7		3228.2	K4746.5		3284	K4799.68		3634
K4545		3764	K4648		3229	K4747		3272	K4799.76		3599
K4547		3752	K4649.2		3230	K4748		3268	K4799.77		3599.1

# CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K4799.8	.....	3649	K4885.5	.....	10804	K4952.7	.....	2863	K4971.3	.....	2968.5
K4799.9	.....	3650	K4885.6	.....	10808	K4952.71	.....	2863.5	K4971.32	.....	2969
K4799.95	.....	3635	K4885.7	.....	10783	K4952.8	.....	2863.8	K4971.33	.....	2969.5
K4800	.....	3636	K4885.8	.....	10784	K4953	.....	2864	K4971.34	.....	2970
K4800.1	.....	3637	K4886	.....	10788	K4953.4	.....	2868	K4971.36	.....	2970.5
K4800.3	.....	3645	K4887	.....	10780	K4953.8	.....	2872	K4971.4	.....	2971
K4800.5	.....	3652	K4888	.....	10776	K4954	.....	2876	K4971.5	.....	2972
K4802	.....	3640	K4889	.....	10792	K4954.2	.....	2880	K4971.51	.....	2976
K4802.1	.....	3644	K4892	.....	10772	K4954.4	.....	2882	K4971.55	.....	2968
K4802.5	.....	3654	K4892.4	.....	10768	K4956	.....	2884	K4971.65	.....	2977.5
K4803	.....	3644.5	K4893	.....	10748	K4956.1	.....	2888	K4971.85	.....	2977
K4804	.....	3648	K4893.1	.....	10752	K4958	.....	2900	K4982	.....	2982
K4804.3	.....	3648.1	K4893.4	.....	10756	K4958.3	.....	2904	K4982.6	.....	2984
K4805	.....	3648.2	K4893.41	.....	10760	K4958.6	.....	2922	K4982.61	.....	2984.1
K4807	.....	3653	K4893.42	.....	10762	K4959	.....	2920	K4982.9	.....	2986
K4809.1	.....	3660.3	K4894.6	.....	10744	K4962	.....	2892	K4983	.....	2992
K4809.13	.....	3660.2	K4894.7	.....	10743	K4962.1	.....	2896	K4983.05	.....	2988
K4809.15	.....	3660.1	K4894.8	.....	10742	K4963	.....	2889	K4983.4	.....	2996
K4810.8	.....	3666	K4894.81	.....	10742.1	K4963.1	.....	2890	K4983.5	.....	3000
K4811	.....	3664	K4895	.....	10764	K4964	.....	2908	K4983.7	.....	3001
K4811.5	.....	3661	K4896	.....	10732	K4964.25	.....	2926.3	K4983.74	.....	3001.2
K4811.51	.....	3662	K4896.4	.....	10736	K4964.3	.....	2916	K4983.76	.....	3001.4
K4812	.....	3656	K4896.41	.....	10740	K4964.51	.....	2924	K4983.78	.....	3001.1,
K4812.1	.....	3660	K4898	.....	10728	K4964.65	.....	2925	3001.3	.....	
K4816	.....	3676	K4898.7	.....	10688	K4965.2	.....	2926	K4983.8	.....	3002.1
K4816.1	.....	3680	K4899	.....	10692	K4966	.....	2936	K4984	.....	3002.2
K4816.2	.....	3681	K4899.4	.....	10696	K4966.001	.....	2940	K4984.1	.....	3003
K4816.24	.....	3681.2	K4900	.....	10720	K4966.8	.....	2933	K4984.2	.....	3002
K4816.26	.....	3681.4	K4901	.....	10700	K4966.81	.....	2933.1	K4988	.....	2818
K4817	.....	3682	K4902	.....	10704	K4966.9	.....	2935	K4990	.....	2832
K4820	.....	3660.5	K4902.1	.....	10708	K4967	.....	2940.5	K4990.1	.....	2836
K4820.5	.....	3660.8	K4903	.....	10712	K4967.5	.....	3006	K4992	.....	2840
K4821	.....	3660.9	K4904	.....	10716	K4968	.....	3009	K4993	.....	2820
K4825	.....	3683	K4906	.....	10680	K4968.1	.....	3009.5	K4993.1	.....	2824
K4825.5	.....	3685	K4907	.....	10668	K4968.12	.....	3016	K4994	.....	2828
K4827	.....	3686	K4908	.....	10660	K4968.13	.....	3015	K4998.52	.....	2841
K4827.5	.....	3688	K4908.1	.....	10664	K4968.14	.....	3015.5	K4998.53	.....	2841.1
K4830	.....	3598	K4909	.....	10665	K4968.15	.....	3018	K4998.54	.....	2841.11
K4834	.....	3584	K4912	.....	10672	K4968.2	.....	3008	K4998.55	.....	2841.12
K4835	.....	3585	K4920	.....	10724	K4968.25	.....	3021.2	K4998.56	.....	2841.13
K4835.1	.....	3585.5	K4924	.....	10684	K4968.3	.....	3020	K4998.57	.....	2841.14
K4835.2	.....	3586	K4932	.....	10652	K4968.31	.....	3021	K4998.58	.....	2841.15
K4836	.....	3587	K4934	.....	10636	K4968.4	.....	3025	K4998.59	.....	2841.16
K4847	.....	3576	K4934.1	.....	10640	K4968.5	.....	3021.5	K4998.6	.....	2841.17
K4852	.....	3572	K4934.2	.....	10644	K4968.6	.....	3024	K4998.61	.....	2841.18
K4854	.....	3552	K4935	.....	10632	K4968.91	.....	3024.2	K4998.62	.....	2841.19
K4855	.....	3564	K4938	.....	10650	K4968.92	.....	3024.4	K4998.63	.....	2841.2
K4855.5	.....	3568	K4940	.....	10628	K4969	.....	2944	K4998.64	.....	2841.21
K4858	.....	3560	K4942	.....	10624	K4969.1	.....	2948	K5000.2	.....	2817.96
K4862	.....	3540	K4943	.....	10620	K4969.35	.....	2948.4	K5000.21	.....	2817.97
K4866	.....	3528	K4944	.....	10616	K4969.4	.....	2948.6	K5000.3	.....	2817.98
K4866.1	.....	3532	K4945	.....	10612	K4969.45	.....	2948.8	K5000.31	.....	2817.99
K4867	.....	3536	K4946	.....	10608	K4969.48	.....	2949	K5000.4	.....	2816.8
K4868	.....	3524	K4947	.....	10584	K4969.5	.....	2949.2	K5000.6	.....	2817
K4870	.....	3520	K4947.2	.....	10588	K4969.51	.....	2949.4	K5001	.....	2817.1
K4873	.....	3516	K4947.21	.....	10592	K4969.6	.....	2949.6	K5001.2	.....	2817.2
K4877	.....	3512	K4947.3	.....	10596	K4969.65	.....	2949.8	K5001.36	.....	2817.4
K4880	.....	3496	K4947.31	.....	10600	K4969.7	.....	2951	K5001.38	.....	2817.41
K4880.4	.....	3500	K4947.4	.....	10604	K4969.71	.....	2951.1	K5001.4	.....	2817.5
K4880.6	.....	3504	K4947.6	.....	10576	K4970	.....	2952	K5001.6	.....	2817.55
K4880.7	.....	3508	K4948	.....	10580	K4970.1	.....	2956	K5001.7	.....	2817.7
K4883	.....	10828	K4948.2	.....	10568	K4970.3	.....	2957	K5001.72	.....	2817.75
K4883.5	.....	10830	K4948.21	.....	10572	K4970.4	.....	2959	K5001.74	.....	2817.8
K4884	.....	10824	K4952	.....	2860	K4970.5	.....	2958	K5001.76	.....	2817.85
K4884.4	.....	10796	K4952.25	.....	2862	K4970.7	.....	2959.5	K5002	.....	2814

## CROSS REFERENCE - INTERNATIONAL vs. U.S. LIGHT NUMBER

Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.	Inter.	—	U.S.
K5002.1	.....	2814.5	K5025.1	.....	2843.5	M8410	.....	10934	M8466.25	.....	11060.25
K5003	.....	2815	K5052	.....	2856	M8425	.....	10942	M8466.3	.....	11060.3
K5003.1	.....	2813	K5057	.....	2850	M8425.1	.....	10943	M8466.35	.....	11060.35
K5003.2	.....	2813.5	K5058	.....	2844	M8430	.....	10943.5	M8466.55	.....	11060.55
K5003.3	.....	2813.7	K5060	.....	2848	M8447	.....	10944	M8466.75	.....	11060.75
K5003.4	.....	2813.9	M8364	.....	10955	M8448.2	.....	10944.25	M8467	.....	10988
K5003.7	.....	2817.9	M8366	.....	10956	M8448.4	.....	10944.3	M8467.4	.....	11010
K5003.71	.....	2817.91	M8366.1	.....	10960	M8448.5	.....	10944.4	M8467.5	.....	11014
K5003.8	.....	2817.94	M8370	.....	10962	M8448.7	.....	10944.6	M8468	.....	11040
K5003.85	.....	2817.95	M8371	.....	10961	M8449	.....	10944.7	M8471	.....	11050
K5004	.....	2816	M8374	.....	10976	M8453	.....	10948	M8482	.....	11096
K5004.76	.....	2817.6	M8374.1	.....	10980	M8453.1	.....	10948.1	M8508	.....	11076
K5004.86	.....	2812.5	M8382	.....	10981	M8453.2	.....	10946	M8512	.....	11080
K5006.4	.....	2799.7	M8384	.....	10982	M8453.4	.....	10952	M8515	.....	11084
K5006.41	.....	2799.71	M8386	.....	10983	M8453.7	.....	10947	M8516	.....	11092
K5006.65	.....	2799.87	M8386.1	.....	10983.1	M8455	.....	10950	M8528	.....	11108
K5006.7	.....	2799.9	M8386.2	.....	10984	M8457	.....	10952.2	M8536	.....	11100
K5006.71	.....	2799.91	M8387.4	.....	10985	M8457.1	.....	10952.4			
K5008.2	.....	2812	M8387.41	.....	10985.1	M8459	.....	10952.6			
K5020	.....	2842	M8388	.....	10986	M8459.1	.....	10952.7			
K5020.1	.....	2842.5	M8388.1	.....	10986.1	M8465	.....	11060			
K5025	.....	2843	M8408	.....	10936	M8466.2	.....	11060.2			