

## GBRMPA Zoning Coordinates

(Derived from the *Great Barrier Reef Marine Park Zoning Plan 2003*)

Datum: GDA94

NOTE: These coordinates are provided to help interpret the Great Barrier Reef Marine Park Zoning Plan 2003. The coordinates are provided in both decimal minute and decimal degree formats using the GDA94 datum. For navigational purposes the coordinates should ONLY be used in conjunction with current hydrographic charts. The formal legal description of zone boundaries is in Schedule 1 of the "Great Barrier Reef Marine Park Zoning Plan 2003".

**To find the coordinates for any particular zone type, click on the relevant tab at the bottom of this spreadsheet.**

## Habitat Protection Zones (Datum GDA94)

LATITUDE	LONGITUDE	Y_COORD	X_COORD
<b>Cape York Offshore (unnamed reefs 10-406 to 11-124)</b>			
<b>HP-10-5001</b>			
10° 41.151' S	144° 12.018' E	-10.68585000	144.20030000
10° 40.910' S	145° 00.060' E	-10.68183333	145.00100000
11° 13.800' S	145° 00.063' E	-11.23000000	145.00105000
11° 13.800' S	144° 05.400' E	-11.23000000	144.09000000
11° 12.000' S	144° 05.400' E	-11.20000000	144.09000000
11° 12.000' S	144° 04.200' E	-11.20000000	144.07000000
11° 13.800' S	144° 03.600' E	-11.23000000	144.06000000
11° 13.800' S	144° 00.000' E	-11.23000000	144.00000000
11° 02.400' S	144° 00.000' E	-11.04000000	144.00000000
11° 01.200' S	143° 58.800' E	-11.02000000	143.98000000
11° 00.000' S	143° 58.800' E	-11.00000000	143.98000000
10° 58.842' S	143° 59.958' E	-10.98070000	143.99930000
10° 50.400' S	143° 57.600' E	-10.84000000	143.96000000
10° 50.400' S	144° 00.000' E	-10.84000000	144.00000000
10° 48.021' S	144° 02.394' E	-10.80035000	144.03990000
10° 48.021' S	144° 12.018' E	-10.80035000	144.20030000
<b>Unnamed reef 10-382</b>			
<b>HP-10-5002</b>			
10° 41.224' S	143° 48.141' E	-10.68706667	143.80235000
10° 42.600' S	143° 48.600' E	-10.71000000	143.81000000
10° 43.800' S	143° 48.600' E	-10.73000000	143.81000000
10° 43.800' S	143° 47.400' E	-10.73000000	143.79000000
10° 42.000' S	143° 45.600' E	-10.70000000	143.76000000
10° 41.230' S	143° 45.600' E	-10.68716667	143.76000000
<b>Unnamed reef 10-387</b>			
<b>HP-10-5003</b>			
10° 41.256' S	143° 32.736' E	-10.68760000	143.54560000
10° 41.999' S	143° 32.736' E	-10.69998333	143.54560000
10° 42.500' S	143° 31.487' E	-10.70833333	143.52478333
10° 42.500' S	143° 29.736' E	-10.70833333	143.49560000
10° 41.261' S	143° 29.736' E	-10.68768333	143.49560000
<b>Cape York to Orford Ness coastal area</b>			
<b>HP-10-5004</b>			
10° 41.255' S	142° 31.891' E	-10.68758333	142.53151667
10° 41.256' S	142° 32.512' E	-10.68760000	142.54186667
10° 42.600' S	142° 34.200' E	-10.71000000	142.57000000
10° 42.600' S	142° 35.400' E	-10.71000000	142.59000000
10° 42.000' S	142° 35.400' E	-10.70000000	142.59000000
10° 42.000' S	142° 36.000' E	-10.70000000	142.60000000
10° 42.600' S	142° 36.600' E	-10.71000000	142.61000000
10° 42.600' S	142° 37.614' E	-10.71000000	142.62690000
10° 43.383' S	142° 38.308' E	-10.72305000	142.63846667
10° 44.400' S	142° 37.800' E	-10.74000000	142.63000000
10° 45.600' S	142° 37.800' E	-10.76000000	142.63000000

10° 59.400' S	142° 46.200' E	-10.99000000	142.77000000
11° 15.000' S	142° 52.827' E	-11.25000000	142.88045000
11° 17.913' S	142° 52.827' E	-11.29855000	142.88045000
11° 17.913' S	142° 49.278' E	-11.29855000	142.82130000
10° 57.694' S	142° 42.918' E	-10.96156667	142.71530000
10° 57.437' S	142° 42.384' E	-10.95728333	142.70640000
10° 54.754' S	142° 39.423' E	-10.91256667	142.65705000
10° 53.992' S	142° 37.161' E	-10.89986667	142.61935000

**Unnamed reef 10-**

<b>HP-10-5005</b>	<b>350</b>		
10° 41.261' S	143° 28.560' E	-10.68768333	143.47600000
10° 42.240' S	143° 28.560' E	-10.70400000	143.47600000
10° 42.240' S	143° 27.360' E	-10.70400000	143.45600000
10° 41.264' S	143° 27.360' E	-10.68773333	143.45600000

**Unnamed reef 10-**

<b>HP-10-5006</b>	<b>349</b>		
10° 41.265' S	143° 26.736' E	-10.68775000	143.44560000
10° 42.500' S	143° 26.736' E	-10.70833333	143.44560000
10° 42.500' S	143° 25.236' E	-10.70833333	143.42060000
10° 41.266' S	143° 25.236' E	-10.68776667	143.42060000

**South Ledge**

<b>HP-10-5007</b>	<b>Reef (10-327)</b>		
10° 41.268' S	142° 41.294' E	-10.68780000	142.68823333
10° 41.272' S	142° 46.072' E	-10.68786667	142.76786667
10° 42.600' S	142° 47.400' E	-10.71000000	142.79000000
10° 44.400' S	142° 47.400' E	-10.74000000	142.79000000
10° 44.400' S	142° 43.800' E	-10.74000000	142.73000000

**Meggi-Damun**

<b>HP-10-5008</b>	<b>Reef (10-326)</b>		
10° 41.272' S	142° 46.341' E	-10.68786667	142.77235000
10° 41.274' S	142° 48.225' E	-10.68790000	142.80375000
10° 41.598' S	142° 48.200' E	-10.69330000	142.80333333
10° 41.754' S	142° 48.069' E	-10.69590000	142.80115000
10° 41.839' S	142° 47.845' E	-10.69731667	142.79741667
10° 41.875' S	142° 47.508' E	-10.69791667	142.79180000
10° 41.854' S	142° 47.268' E	-10.69756667	142.78780000
10° 41.817' S	142° 47.064' E	-10.69695000	142.78440000
10° 41.732' S	142° 46.868' E	-10.69553333	142.78113333
10° 41.478' S	142° 46.558' E	-10.69130000	142.77596667

**Unnamed reef 10-**

<b>HP-10-5009</b>	<b>392</b>		
10° 42.000' S	143° 34.800' E	-10.70000000	143.58000000
10° 42.000' S	143° 39.600' E	-10.70000000	143.66000000
10° 48.000' S	143° 39.600' E	-10.80000000	143.66000000
10° 49.200' S	143° 38.400' E	-10.82000000	143.64000000
10° 44.400' S	143° 32.400' E	-10.74000000	143.54000000
10° 43.200' S	143° 32.400' E	-10.72000000	143.54000000

**Middle Brother**

<b>HP-10-5010</b>	<b>Reef (10-323)</b>		
10° 42.315' S	142° 40.917' E	-10.70525000	142.68195000
10° 42.315' S	142° 41.256' E	-10.70525000	142.68760000
10° 42.946' S	142° 41.786' E	-10.71576667	142.69643333
10° 43.580' S	142° 41.786' E	-10.72633333	142.69643333
10° 43.580' S	142° 41.481' E	-10.72633333	142.69135000
10° 42.815' S	142° 40.563' E	-10.71358333	142.67605000
10° 42.570' S	142° 40.563' E	-10.70950000	142.67605000

<b>HP-10-5011</b>	<b>Unnamed reef 10-351</b>		
10° 43.200' S	143° 10.197' E	-10.72000000	143.16995000
10° 43.200' S	143° 12.600' E	-10.72000000	143.21000000
10° 43.800' S	143° 13.200' E	-10.73000000	143.22000000
10° 44.400' S	143° 12.600' E	-10.74000000	143.21000000
10° 44.400' S	143° 09.600' E	-10.74000000	143.16000000
<b>HP-10-5012</b>	<b>Unnamed reef 10-352</b>		
10° 43.248' S	143° 18.736' E	-10.72080000	143.31226667
10° 43.248' S	143° 21.237' E	-10.72080000	143.35395000
10° 44.999' S	143° 21.237' E	-10.74998333	143.35395000
10° 44.999' S	143° 20.486' E	-10.74998333	143.34143333
10° 44.249' S	143° 18.736' E	-10.73748333	143.31226667
<b>HP-10-5013</b>	<b>Unnamed reef 10-353</b>		
10° 44.685' S	143° 05.049' E	-10.74475000	143.08415000
10° 44.685' S	143° 05.381' E	-10.74475000	143.08968333
10° 44.690' S	143° 05.399' E	-10.74483333	143.08998333
10° 44.784' S	143° 05.718' E	-10.74640000	143.09530000
10° 44.947' S	143° 05.923' E	-10.74911667	143.09871667
10° 44.964' S	143° 05.938' E	-10.74940000	143.09896667
10° 45.135' S	143° 06.111' E	-10.75225000	143.10185000
10° 45.300' S	143° 06.171' E	-10.75500000	143.10285000
10° 45.415' S	143° 06.162' E	-10.75691667	143.10270000
10° 45.415' S	143° 06.038' E	-10.75691667	143.10063333
10° 45.417' S	143° 05.739' E	-10.75695000	143.09565000
10° 45.327' S	143° 05.573' E	-10.75545000	143.09288333
10° 45.236' S	143° 05.479' E	-10.75393333	143.09131667
10° 45.234' S	143° 05.465' E	-10.75390000	143.09108333
10° 45.197' S	143° 05.301' E	-10.75328333	143.08835000
10° 45.000' S	143° 05.028' E	-10.75000000	143.08380000
10° 44.978' S	143° 05.017' E	-10.74963333	143.08361667
10° 44.841' S	143° 04.965' E	-10.74735000	143.08275000
10° 44.751' S	143° 04.960' E	-10.74585000	143.08266667
<b>HP-10-5014</b>	<b>Unnamed reef 10-355</b>		
10° 44.749' S	143° 18.486' E	-10.74581667	143.30810000
10° 44.749' S	143° 18.985' E	-10.74581667	143.31641667
10° 45.498' S	143° 20.486' E	-10.75830000	143.34143333
10° 45.999' S	143° 20.486' E	-10.76665000	143.34143333
10° 45.999' S	143° 19.236' E	-10.76665000	143.32060000
10° 45.498' S	143° 18.486' E	-10.75830000	143.30810000
<b>HP-10-5015</b>	<b>Unnamed reef 10-299</b>		
10° 45.600' S	143° 04.200' E	-10.76000000	143.07000000
10° 45.600' S	143° 05.400' E	-10.76000000	143.09000000
10° 46.800' S	143° 06.600' E	-10.78000000	143.11000000
10° 47.401' S	143° 06.600' E	-10.79001667	143.11000000
10° 47.401' S	143° 05.400' E	-10.79001667	143.09000000
10° 46.200' S	143° 04.200' E	-10.77000000	143.07000000
<b>HP-10-5016</b>	<b>Unnamed reef 10-394</b>		
10° 45.720' S	143° 29.760' E	-10.76200000	143.49600000
10° 45.720' S	143° 30.837' E	-10.76200000	143.51395000
10° 46.680' S	143° 30.837' E	-10.77800000	143.51395000

10° 46.680' S	143° 29.760' E	-10.77800000	143.49600000
<b>HP-10-5017</b>	<b>Unnamed reef 10-356</b>		
10° 45.749' S	143° 23.987' E	-10.76248333	143.39978333
10° 45.749' S	143° 25.485' E	-10.76248333	143.42475000
10° 47.248' S	143° 25.485' E	-10.78746667	143.42475000
10° 47.250' S	143° 23.987' E	-10.78750000	143.39978333
<b>HP-10-5018</b>	<b>Unnamed reef 10-357</b>		
10° 47.401' S	143° 20.397' E	-10.79001667	143.33995000
10° 47.401' S	143° 21.598' E	-10.79001667	143.35996667
10° 48.000' S	143° 22.800' E	-10.80000000	143.38000000
10° 48.603' S	143° 22.800' E	-10.81005000	143.38000000
10° 49.200' S	143° 21.598' E	-10.82000000	143.35996667
10° 49.200' S	143° 21.000' E	-10.82000000	143.35000000
10° 48.000' S	143° 19.800' E	-10.80000000	143.33000000
<b>HP-10-5019</b>	<b>Harrington Reef (10-335) and Wyborn Reef (10-336)</b>		
10° 47.435' S	142° 44.349' E	-10.79058333	142.73915000
10° 47.666' S	142° 45.258' E	-10.79443333	142.75430000
10° 48.724' S	142° 46.753' E	-10.81206667	142.77921667
10° 49.763' S	142° 47.400' E	-10.82938333	142.79000000
10° 51.000' S	142° 47.400' E	-10.85000000	142.79000000
10° 51.000' S	142° 45.600' E	-10.85000000	142.76000000
10° 49.800' S	142° 43.200' E	-10.83000000	142.72000000
10° 48.603' S	142° 42.600' E	-10.81005000	142.71000000
<b>HP-10-5020</b>	<b>Womer Reef (10-338)</b>		
10° 47.445' S	142° 58.355' E	-10.79075000	142.97258333
10° 47.457' S	142° 58.512' E	-10.79095000	142.97520000
10° 47.598' S	142° 58.790' E	-10.79330000	142.97983333
10° 47.841' S	142° 59.455' E	-10.79735000	142.99091667
10° 47.987' S	142° 59.664' E	-10.79978333	142.99440000
10° 48.162' S	142° 59.718' E	-10.80270000	142.99530000
10° 48.365' S	142° 59.670' E	-10.80608333	142.99450000
10° 48.464' S	142° 59.441' E	-10.80773333	142.99068333
10° 48.429' S	142° 59.119' E	-10.80715000	142.98531667
10° 48.214' S	142° 58.716' E	-10.80356667	142.97860000
10° 48.035' S	142° 58.489' E	-10.80058333	142.97481667
10° 47.835' S	142° 58.334' E	-10.79725000	142.97223333
10° 47.688' S	142° 58.256' E	-10.79480000	142.97093333
10° 47.516' S	142° 58.236' E	-10.79193333	142.97060000
10° 47.468' S	142° 58.314' E	-10.79113333	142.97190000
<b>HP-10-5021</b>	<b>Unnamed reef 10-411</b>		
10° 47.511' S	143° 25.797' E	-10.79185000	143.42995000
10° 47.511' S	143° 27.618' E	-10.79185000	143.46030000
10° 47.999' S	143° 30.239' E	-10.79998333	143.50398333
10° 49.302' S	143° 30.239' E	-10.82170000	143.50398333
10° 49.302' S	143° 29.241' E	-10.82170000	143.48735000
10° 48.303' S	143° 25.799' E	-10.80505000	143.42998333
<b>HP-10-5022</b>	<b>Unnamed reef 10-337</b>		
10° 48.220' S	142° 55.510' E	-10.80366667	142.92516667

10° 48.310' S	142° 55.860' E	-10.80516667	142.93100000
10° 48.480' S	142° 55.999' E	-10.80800000	142.93331667
10° 48.690' S	142° 55.978' E	-10.81150000	142.93296667
10° 48.661' S	142° 55.656' E	-10.81101667	142.92760000
10° 48.590' S	142° 55.550' E	-10.80983333	142.92583333
10° 48.390' S	142° 55.451' E	-10.80650000	142.92418333

**Unnamed reef 10.**

<b>HP-10-5023</b>	<b>404</b>		
10° 48.401' S	143° 48.398' E	-10.80668333	143.80663333
10° 48.401' S	143° 50.799' E	-10.80668333	143.84665000
10° 50.400' S	143° 50.799' E	-10.84000000	143.84665000
10° 50.400' S	143° 48.398' E	-10.84000000	143.80663333

**Unnamed reef 10.**

<b>HP-10-5024</b>	<b>358</b>		
10° 49.440' S	143° 18.795' E	-10.82400000	143.31325000
10° 49.442' S	143° 19.290' E	-10.82403333	143.32150000
10° 50.031' S	143° 21.561' E	-10.83385000	143.35935000
10° 50.031' S	143° 21.905' E	-10.83385000	143.36508333
10° 50.504' S	143° 21.905' E	-10.84173333	143.36508333
10° 51.021' S	143° 20.964' E	-10.85035000	143.34940000
10° 51.021' S	143° 20.292' E	-10.85035000	143.33820000
10° 50.709' S	143° 19.485' E	-10.84515000	143.32475000
10° 50.372' S	143° 18.856' E	-10.83953333	143.31426667
10° 49.986' S	143° 18.545' E	-10.83310000	143.30908333
10° 49.689' S	143° 18.545' E	-10.82815000	143.30908333

**Unnamed reef 10.**

<b>HP-10-5025</b>	<b>360</b>		
10° 50.072' S	143° 17.916' E	-10.83453333	143.29860000
10° 50.172' S	143° 18.135' E	-10.83620000	143.30225000
10° 50.541' S	143° 18.320' E	-10.84235000	143.30533333
10° 50.599' S	143° 18.318' E	-10.84331667	143.30530000
10° 50.599' S	143° 17.739' E	-10.84331667	143.29565000
10° 50.278' S	143° 17.479' E	-10.83796667	143.29131667
10° 50.219' S	143° 17.479' E	-10.83698333	143.29131667
10° 50.073' S	143° 17.667' E	-10.83455000	143.29445000

**Unnamed reef 10.**

<b>HP-10-5026</b>	<b>362</b>		
10° 50.760' S	143° 13.731' E	-10.84600000	143.22885000
10° 50.760' S	143° 14.373' E	-10.84600000	143.23955000
10° 51.187' S	143° 14.919' E	-10.85311667	143.24865000
10° 51.573' S	143° 14.919' E	-10.85955000	143.24865000
10° 51.573' S	143° 13.966' E	-10.85955000	143.23276667
10° 51.178' S	143° 13.731' E	-10.85296667	143.22885000

**Unnamed reef 10.**

<b>HP-10-5027</b>	<b>410</b>		
10° 51.000' S	143° 46.800' E	-10.85000000	143.78000000
10° 51.000' S	143° 48.600' E	-10.85000000	143.81000000
10° 52.800' S	143° 48.600' E	-10.88000000	143.81000000
10° 52.800' S	143° 46.800' E	-10.88000000	143.78000000

**Shortland Reef**

<b>HP-10-5028</b>	<b>(10-341)</b>		
10° 52.800' S	142° 45.000' E	-10.88000000	142.75000000
10° 52.800' S	142° 46.200' E	-10.88000000	142.77000000
10° 54.000' S	142° 47.400' E	-10.90000000	142.79000000
10° 55.200' S	142° 47.400' E	-10.92000000	142.79000000
10° 55.200' S	142° 46.295' E	-10.92000000	142.77158333

10° 52.934' S	142° 45.000' E	-10.88223333	142.75000000
<b>HP-10-5029</b>	<b>Linda Reef (10-365)</b>		
10° 53.400' S	143° 11.405' E	-10.89000000	143.19008333
10° 55.200' S	143° 11.405' E	-10.92000000	143.19008333
10° 55.200' S	143° 10.203' E	-10.92000000	143.17005000
10° 54.600' S	143° 09.605' E	-10.91000000	143.16008333
10° 54.000' S	143° 09.605' E	-10.90000000	143.16008333
10° 53.402' S	143° 10.203' E	-10.89003333	143.17005000
<b>HP-10-5030</b>	<b>Unnamed reef 10-364</b>		
10° 53.461' S	143° 12.234' E	-10.89101667	143.20390000
10° 53.461' S	143° 12.567' E	-10.89101667	143.20945000
10° 53.814' S	143° 13.003' E	-10.89690000	143.21671667
10° 54.219' S	143° 13.003' E	-10.90365000	143.21671667
10° 54.221' S	143° 12.489' E	-10.90368333	143.20815000
10° 53.958' S	143° 12.258' E	-10.89930000	143.20430000
10° 53.746' S	143° 12.258' E	-10.89576667	143.20430000
10° 53.746' S	143° 12.141' E	-10.89576667	143.20235000
10° 53.565' S	143° 12.141' E	-10.89275000	143.20235000
<b>HP-10-5031</b>	<b>Unnamed reef 10-368</b>		
10° 54.435' S	143° 17.723' E	-10.90725000	143.29538333
10° 54.439' S	143° 19.304' E	-10.90731667	143.32173333
10° 54.851' S	143° 19.838' E	-10.91418333	143.33063333
10° 55.389' S	143° 19.838' E	-10.92315000	143.33063333
10° 55.388' S	143° 18.942' E	-10.92313333	143.31570000
10° 55.068' S	143° 17.723' E	-10.91780000	143.29538333
<b>HP-10-5032</b>	<b>Unnamed reef 10-371</b>		
10° 56.345' S	143° 14.055' E	-10.93908333	143.23425000
10° 56.502' S	143° 15.181' E	-10.94170000	143.25301667
10° 57.261' S	143° 15.181' E	-10.95435000	143.25301667
10° 57.261' S	143° 14.604' E	-10.95435000	143.24340000
10° 57.078' S	143° 13.845' E	-10.95130000	143.23075000
10° 56.663' S	143° 13.845' E	-10.94438333	143.23075000
<b>HP-10-5033</b>	<b>Unnamed reef 10-372</b>		
10° 56.755' S	143° 08.940' E	-10.94591667	143.14900000
10° 56.757' S	143° 09.502' E	-10.94595000	143.15836667
10° 57.006' S	143° 09.857' E	-10.95010000	143.16428333
10° 57.169' S	143° 09.857' E	-10.95281667	143.16428333
10° 57.312' S	143° 09.717' E	-10.95520000	143.16195000
10° 57.312' S	143° 09.542' E	-10.95520000	143.15903333
10° 57.137' S	143° 09.149' E	-10.95228333	143.15248333
10° 56.877' S	143° 08.940' E	-10.94795000	143.14900000
<b>HP-10-5034</b>	<b>Unnamed reef 10-373</b>		
10° 56.839' S	143° 07.437' E	-10.94731667	143.12395000
10° 56.839' S	143° 07.674' E	-10.94731667	143.12790000
10° 56.973' S	143° 08.043' E	-10.94955000	143.13405000
10° 57.211' S	143° 08.157' E	-10.95351667	143.13595000
10° 57.379' S	143° 08.157' E	-10.95631667	143.13595000
10° 57.379' S	143° 07.833' E	-10.95631667	143.13055000
10° 57.165' S	143° 07.507' E	-10.95275000	143.12511667
10° 56.961' S	143° 07.437' E	-10.94935000	143.12395000

**Unnamed reef 10****HP-10-5035****376**

10° 58.937' S	143° 06.921' E	-10.98228333	143.11535000
10° 58.939' S	143° 07.554' E	-10.98231667	143.12590000
10° 59.058' S	143° 07.874' E	-10.98430000	143.13123333
10° 59.140' S	143° 08.005' E	-10.98566667	143.13341667
10° 59.258' S	143° 08.057' E	-10.98763333	143.13428333
10° 59.388' S	143° 07.979' E	-10.98980000	143.13298333
10° 59.497' S	143° 07.809' E	-10.99161667	143.13015000
10° 59.451' S	143° 07.510' E	-10.99085000	143.12516667
10° 59.124' S	143° 07.038' E	-10.98540000	143.11730000
10° 59.022' S	143° 06.918' E	-10.98370000	143.11530000

**Arnold Islets****HP-11-5036****Reefs (11-001)**

11° 00.110' S	142° 59.223' E	-11.00183333	142.98705000
11° 00.110' S	142° 59.713' E	-11.00183333	142.99521667
11° 00.294' S	142° 59.857' E	-11.00490000	142.99761667
11° 00.683' S	142° 59.862' E	-11.01138333	142.99770000
11° 00.684' S	142° 59.517' E	-11.01140000	142.99195000
11° 00.476' S	142° 59.225' E	-11.00793333	142.98708333

**McSweeney****HP-11-5037****Reef (11-016)**

11° 00.568' S	143° 13.296' E	-11.00946667	143.22160000
11° 00.568' S	143° 13.938' E	-11.00946667	143.23230000
11° 01.601' S	143° 15.999' E	-11.02668333	143.26665000
11° 02.000' S	143° 15.999' E	-11.03333333	143.26665000
11° 01.998' S	143° 13.791' E	-11.03330000	143.22985000
11° 00.960' S	143° 13.296' E	-11.01600000	143.22160000

**Unnamed reef 11****HP-11-5038****019**

11° 01.282' S	143° 27.820' E	-11.02136667	143.46366667
11° 01.282' S	143° 28.621' E	-11.02136667	143.47701667
11° 01.956' S	143° 29.227' E	-11.03260000	143.48711667
11° 02.086' S	143° 29.227' E	-11.03476667	143.48711667
11° 02.082' S	143° 27.820' E	-11.03470000	143.46366667

**Unnamed reef 11****HP-11-5039****025**

11° 02.959' S	143° 04.088' E	-11.04931667	143.06813333
11° 02.967' S	143° 06.489' E	-11.04945000	143.10815000
11° 03.547' S	143° 06.849' E	-11.05911667	143.11415000
11° 04.473' S	143° 06.851' E	-11.07455000	143.11418333
11° 05.691' S	143° 06.393' E	-11.09485000	143.10655000
11° 05.682' S	143° 05.146' E	-11.09470000	143.08576667
11° 03.778' S	143° 03.825' E	-11.06296667	143.06375000
11° 03.386' S	143° 03.823' E	-11.05643333	143.06371667

**Monsoon Reef****HP-11-5040****(11-029)**

11° 07.200' S	143° 15.000' E	-11.12000000	143.25000000
11° 07.200' S	143° 16.800' E	-11.12000000	143.28000000
11° 08.400' S	143° 16.800' E	-11.14000000	143.28000000
11° 08.400' S	143° 15.000' E	-11.14000000	143.25000000

**Parsons Reef****HP-11-5041****(11-036)**

11° 10.797' S	143° 11.765' E	-11.17995000	143.19608333
11° 10.797' S	143° 12.366' E	-11.17995000	143.20610000
11° 11.343' S	143° 13.200' E	-11.18905000	143.22000000



11° 12.000' S	143° 13.200' E	-11.20000000	143.22000000
11° 12.162' S	143° 12.878' E	-11.20270000	143.21463333
11° 12.162' S	143° 12.096' E	-11.20270000	143.20160000
11° 11.486' S	143° 11.264' E	-11.19143333	143.18773333
11° 11.048' S	143° 11.264' E	-11.18413333	143.18773333

**Collette Reef (11-037)**

**HP-11-5042**

11° 10.800' S	143° 15.612' E	-11.18000000	143.26020000
11° 12.000' S	143° 18.012' E	-11.20000000	143.30020000
11° 12.600' S	143° 21.010' E	-11.21000000	143.35016667
11° 12.600' S	143° 23.412' E	-11.21000000	143.39020000
11° 15.000' S	143° 23.412' E	-11.25000000	143.39020000
11° 15.000' S	143° 20.409' E	-11.25000000	143.34015000
11° 12.000' S	143° 15.012' E	-11.20000000	143.25020000

**Unnamed reef 11-**

**HP-11-5043 039**

11° 13.200' S	143° 15.000' E	-11.22000000	143.25000000
11° 13.200' S	143° 16.200' E	-11.22000000	143.27000000
11° 13.800' S	143° 16.800' E	-11.23000000	143.28000000
11° 15.000' S	143° 16.800' E	-11.25000000	143.28000000
11° 15.600' S	143° 15.600' E	-11.26000000	143.26000000
11° 15.600' S	143° 14.399' E	-11.26000000	143.23998333
11° 14.400' S	143° 14.399' E	-11.24000000	143.23998333
11° 13.800' S	143° 15.000' E	-11.23000000	143.25000000

**Cairncross Islets**

**HP-11-5044 Reefs (11-010)**

11° 14.254' S	142° 54.953' E	-11.23756667	142.91588333
11° 14.254' S	142° 55.655' E	-11.23756667	142.92758333
11° 14.931' S	142° 56.328' E	-11.24885000	142.93880000
11° 15.665' S	142° 56.328' E	-11.26108333	142.93880000
11° 15.665' S	142° 55.874' E	-11.26108333	142.93123333
11° 14.735' S	142° 54.953' E	-11.24558333	142.91588333

**Unnamed reef 11-**

**HP-11-5045 040**

11° 15.033' S	143° 07.860' E	-11.25055000	143.13100000
11° 15.089' S	143° 08.061' E	-11.25148333	143.13435000
11° 15.656' S	143° 09.095' E	-11.26093333	143.15158333
11° 16.129' S	143° 09.560' E	-11.26881667	143.15933333
11° 16.586' S	143° 09.629' E	-11.27643333	143.16048333
11° 16.953' S	143° 09.336' E	-11.28255000	143.15560000
11° 17.055' S	143° 09.126' E	-11.28425000	143.15210000
11° 16.895' S	143° 08.565' E	-11.28158333	143.14275000
11° 16.576' S	143° 08.163' E	-11.27626667	143.13605000
11° 15.678' S	143° 07.614' E	-11.26130000	143.12690000
11° 15.249' S	143° 07.527' E	-11.25415000	143.12545000
11° 15.066' S	143° 07.636' E	-11.25110000	143.12726667

**Far Northern Mid-**

**HP-11-5046 Shelf**

11° 43.895' S	143° 17.265' E	-11.73158333	143.28775000
11° 46.780' S	143° 27.222' E	-11.77966667	143.45370000
11° 47.264' S	143° 28.268' E	-11.78773333	143.47113333
11° 49.255' S	143° 30.068' E	-11.82091667	143.50113333
11° 50.059' S	143° 31.960' E	-11.83431667	143.53266667
11° 48.171' S	143° 37.510' E	-11.80285000	143.62516667
11° 48.171' S	143° 54.116' E	-11.80285000	143.90193333

12° 01.275' S	143° 54.116' E	-12.02125000	143.90193333
12° 01.275' S	143° 50.559' E	-12.02125000	143.84265000
12° 19.100' S	143° 50.566' E	-12.31833333	143.84276667
12° 19.100' S	143° 51.048' E	-12.31833333	143.85080000
12° 21.800' S	143° 51.048' E	-12.36333333	143.85080000
12° 21.800' S	143° 53.524' E	-12.36333333	143.89206667
12° 14.727' S	144° 00.000' E	-12.24545000	144.00000000
12° 02.400' S	144° 00.000' E	-12.04000000	144.00000000
12° 02.400' S	144° 28.057' E	-12.04000000	144.46761667
12° 37.200' S	144° 28.057' E	-12.62000000	144.46761667
12° 37.200' S	143° 54.021' E	-12.62000000	143.90035000
13° 02.980' S	143° 54.021' E	-13.04966667	143.90035000
13° 04.647' S	143° 56.292' E	-13.07745000	143.93820000
13° 08.335' S	143° 56.292' E	-13.13891667	143.93820000
13° 09.145' S	143° 55.660' E	-13.15241667	143.92766667
13° 13.104' S	143° 56.832' E	-13.21840000	143.94720000
13° 16.914' S	143° 55.754' E	-13.28190000	143.92923333
13° 18.591' S	143° 57.641' E	-13.30985000	143.96068333
13° 21.739' S	143° 56.292' E	-13.36231667	143.93820000
13° 31.778' S	143° 43.276' E	-13.52963333	143.72126667
13° 30.287' S	143° 42.726' E	-13.50478333	143.71210000
13° 25.674' S	143° 43.128' E	-13.42790000	143.71880000
13° 25.615' S	143° 43.118' E	-13.42691667	143.71863333
13° 22.789' S	143° 44.178' E	-13.37981667	143.73630000
13° 22.190' S	143° 50.400' E	-13.36983333	143.84000000
13° 15.600' S	143° 50.400' E	-13.26000000	143.84000000
13° 15.600' S	143° 48.600' E	-13.26000000	143.81000000
13° 11.801' S	143° 48.600' E	-13.19668333	143.81000000
13° 12.400' S	143° 48.000' E	-13.20666667	143.80000000
13° 12.400' S	143° 47.201' E	-13.20666667	143.78668333
13° 12.000' S	143° 46.800' E	-13.20000000	143.78000000
13° 11.600' S	143° 46.800' E	-13.19333333	143.78000000
13° 10.800' S	143° 47.599' E	-13.18000000	143.79331667
13° 10.797' S	143° 48.586' E	-13.17995000	143.80976667
13° 05.085' S	143° 46.929' E	-13.08475000	143.78215000
12° 58.802' S	143° 44.400' E	-12.98003333	143.74000000
12° 57.600' S	143° 44.400' E	-12.96000000	143.74000000
12° 56.400' S	143° 43.200' E	-12.94000000	143.72000000
12° 52.800' S	143° 43.200' E	-12.88000000	143.72000000
12° 52.800' S	143° 42.002' E	-12.88000000	143.70003333
12° 51.600' S	143° 40.799' E	-12.86000000	143.67998333
12° 50.400' S	143° 40.799' E	-12.84000000	143.67998333
12° 50.400' S	143° 42.600' E	-12.84000000	143.71000000
12° 47.400' S	143° 42.600' E	-12.79000000	143.71000000
12° 47.400' S	143° 47.061' E	-12.79000000	143.78435000
12° 38.398' S	143° 47.061' E	-12.63996667	143.78435000
12° 25.804' S	143° 43.867' E	-12.43006667	143.73111667
12° 24.290' S	143° 40.954' E	-12.40483333	143.68256667
12° 26.432' S	143° 38.606' E	-12.44053333	143.64343333
12° 40.859' S	143° 41.438' E	-12.68098333	143.69063333
12° 47.400' S	143° 41.438' E	-12.79000000	143.69063333
12° 47.400' S	143° 38.485' E	-12.79000000	143.64141667
12° 43.746' S	143° 38.485' E	-12.72910000	143.64141667
12° 43.746' S	143° 35.987' E	-12.72910000	143.59978333
12° 42.999' S	143° 34.486' E	-12.71665000	143.57476667
12° 42.249' S	143° 33.984' E	-12.70415000	143.56640000

12° 41.748' S	143° 33.984' E	-12.69580000	143.56640000
12° 41.748' S	143° 36.843' E	-12.69580000	143.61405000
12° 35.250' S	143° 36.840' E	-12.58750000	143.61400000
12° 35.250' S	143° 34.735' E	-12.58750000	143.57891667
12° 36.500' S	143° 32.736' E	-12.60833333	143.54560000
12° 36.500' S	143° 31.485' E	-12.60833333	143.52475000
12° 35.499' S	143° 30.235' E	-12.59165000	143.50391667
12° 34.499' S	143° 30.235' E	-12.57498333	143.50391667
12° 34.499' S	143° 31.986' E	-12.57498333	143.53310000
12° 33.600' S	143° 34.200' E	-12.56000000	143.57000000
12° 32.319' S	143° 34.200' E	-12.53865000	143.57000000
12° 32.319' S	143° 28.104' E	-12.53865000	143.46840000
12° 25.800' S	143° 22.800' E	-12.43000000	143.38000000
12° 23.864' S	143° 21.515' E	-12.39773333	143.35858333
12° 23.172' S	143° 22.378' E	-12.38620000	143.37296667
12° 17.037' S	143° 18.417' E	-12.28395000	143.30695000
12° 17.037' S	143° 17.932' E	-12.28395000	143.29886667
12° 15.509' S	143° 16.386' E	-12.25848333	143.27310000
12° 13.953' S	143° 15.484' E	-12.23255000	143.25806667
12° 12.423' S	143° 15.484' E	-12.20705000	143.25806667
12° 12.423' S	143° 16.234' E	-12.20705000	143.27056667
12° 13.671' S	143° 18.735' E	-12.22785000	143.31225000
12° 14.075' S	143° 18.735' E	-12.23458333	143.31225000
12° 14.075' S	143° 19.196' E	-12.23458333	143.31993333
12° 12.874' S	143° 23.999' E	-12.21456667	143.39998333
12° 11.076' S	143° 23.999' E	-12.18460000	143.39998333
12° 09.874' S	143° 22.199' E	-12.16456667	143.36998333
12° 08.673' S	143° 19.798' E	-12.14455000	143.32996667
12° 07.473' S	143° 18.599' E	-12.12455000	143.30998333
12° 06.276' S	143° 17.998' E	-12.10460000	143.29996667
12° 04.475' S	143° 17.998' E	-12.07458333	143.29996667
12° 03.875' S	143° 18.599' E	-12.06458333	143.30998333
12° 00.673' S	143° 19.988' E	-12.01121667	143.33313333
11° 59.392' S	143° 21.378' E	-11.98986667	143.35630000
11° 58.313' S	143° 24.631' E	-11.97188333	143.41051667
11° 58.200' S	143° 24.706' E	-11.97000000	143.41176667
11° 58.200' S	143° 27.000' E	-11.97000000	143.45000000
11° 57.600' S	143° 31.800' E	-11.96000000	143.53000000
11° 57.600' S	143° 36.864' E	-11.96000000	143.61440000
11° 53.112' S	143° 36.864' E	-11.88520000	143.61440000
11° 52.113' S	143° 35.565' E	-11.86855000	143.59275000
11° 51.213' S	143° 32.465' E	-11.85355000	143.54108333
11° 51.073' S	143° 30.179' E	-11.85121667	143.50298333
11° 51.600' S	143° 27.600' E	-11.86000000	143.46000000
11° 53.400' S	143° 24.000' E	-11.89000000	143.40000000
11° 55.200' S	143° 21.600' E	-11.92000000	143.36000000
11° 56.312' S	143° 21.600' E	-11.93853333	143.36000000
11° 52.800' S	143° 18.000' E	-11.88000000	143.30000000
11° 52.800' S	143° 17.400' E	-11.88000000	143.29000000
11° 52.200' S	143° 16.200' E	-11.87000000	143.27000000
11° 51.000' S	143° 16.200' E	-11.85000000	143.27000000
11° 51.000' S	143° 17.399' E	-11.85000000	143.28998333
11° 48.600' S	143° 16.200' E	-11.81000000	143.27000000
11° 48.600' S	143° 15.600' E	-11.81000000	143.26000000
11° 47.400' S	143° 15.600' E	-11.79000000	143.26000000
11° 47.400' S	143° 16.200' E	-11.79000000	143.27000000

11° 45.600' S	143° 15.000' E	-11.76000000	143.25000000
11° 45.000' S	143° 15.000' E	-11.75000000	143.25000000
11° 43.991' S	143° 15.964' E	-11.73318333	143.26606667

**Round Point**

**HP-11-5047**

**coastal area**

11° 52.999' S	143° 05.838' E	-11.88331667	143.09730000
11° 52.999' S	143° 06.736' E	-11.88331667	143.11226667
11° 53.499' S	143° 07.236' E	-11.89165000	143.12060000
11° 53.998' S	143° 07.236' E	-11.89996667	143.12060000
11° 53.998' S	143° 08.167' E	-11.89996667	143.13611667
11° 55.004' S	143° 08.970' E	-11.91673333	143.14950000
11° 55.004' S	143° 08.665' E	-11.91673333	143.14441667
11° 53.519' S	143° 05.805' E	-11.89198333	143.09675000

**Sunday Island**

**HP-11-5048**

**Reef (11-181)**

11° 54.962' S	143° 11.999' E	-11.91603333	143.19998333
11° 54.962' S	143° 12.545' E	-11.91603333	143.20908333
11° 55.563' S	143° 13.081' E	-11.92605000	143.21801667
11° 56.166' S	143° 13.081' E	-11.93610000	143.21801667
11° 56.166' S	143° 12.378' E	-11.93610000	143.20630000
11° 55.560' S	143° 11.999' E	-11.92600000	143.19998333

**Cape Grenville**

**HP-11-5049**

**coastal area**

11° 56.465' S	143° 12.131' E	-11.94108333	143.20218333
11° 56.465' S	143° 13.305' E	-11.94108333	143.22175000
11° 56.948' S	143° 13.305' E	-11.94913333	143.22175000
11° 56.948' S	143° 13.792' E	-11.94913333	143.22986667
11° 57.600' S	143° 15.000' E	-11.96000000	143.25000000
11° 57.600' S	143° 15.600' E	-11.96000000	143.26000000
11° 57.000' S	143° 15.600' E	-11.95000000	143.26000000
11° 56.539' S	143° 16.060' E	-11.94231667	143.26766667
11° 58.278' S	143° 17.744' E	-11.97130000	143.29573333
11° 59.999' S	143° 16.605' E	-11.99998333	143.27675000
11° 59.999' S	143° 15.000' E	-11.99998333	143.25000000
12° 00.602' S	143° 12.600' E	-12.01003333	143.21000000
12° 09.030' S	143° 07.473' E	-12.15050000	143.12455000
12° 10.420' S	143° 07.473' E	-12.17366667	143.12455000
12° 10.420' S	143° 05.700' E	-12.17366667	143.09500000
11° 57.223' S	143° 13.152' E	-11.95371667	143.21920000
11° 56.931' S	143° 13.152' E	-11.94885000	143.21920000

**Haggerston**

**Island Reef (12-001)**

**HP-12-5050**

12° 00.602' S	143° 17.904' E	-12.01003333	143.29840000
12° 00.602' S	143° 18.600' E	-12.01003333	143.31000000
12° 03.000' S	143° 18.600' E	-12.05000000	143.31000000
12° 03.000' S	143° 17.400' E	-12.05000000	143.29000000
12° 01.383' S	143° 17.400' E	-12.02305000	143.29000000

**Moody Reef (12-004)**

**HP-12-5051**

12° 04.400' S	143° 15.266' E	-12.07333333	143.25443333
12° 04.400' S	143° 16.400' E	-12.07333333	143.27333333
12° 05.601' S	143° 16.800' E	-12.09335000	143.28000000
12° 07.200' S	143° 16.800' E	-12.12000000	143.28000000
12° 07.200' S	143° 16.001' E	-12.12000000	143.26668333
12° 06.000' S	143° 14.800' E	-12.10000000	143.24666667

12° 05.200' S	143° 14.800' E	-12.08666667	143.24666667
<b>HP-12-5052</b>	<b>Young Reef (12-005)</b>		
12° 07.203' S	143° 12.600' E	-12.12005000	143.21000000
12° 07.203' S	143° 13.800' E	-12.12005000	143.23000000
12° 07.803' S	143° 13.800' E	-12.13005000	143.23000000
12° 08.397' S	143° 13.206' E	-12.13995000	143.22010000
12° 07.803' S	143° 12.600' E	-12.13005000	143.21000000
<b>HP-12-5053</b>	<b>Laurel Reef (12-006)</b>		
12° 07.415' S	143° 15.945' E	-12.12358333	143.26575000
12° 07.419' S	143° 16.126' E	-12.12365000	143.26876667
12° 07.543' S	143° 16.450' E	-12.12571667	143.27416667
12° 07.692' S	143° 16.659' E	-12.12820000	143.27765000
12° 08.158' S	143° 17.126' E	-12.13596667	143.28543333
12° 08.268' S	143° 17.221' E	-12.13780000	143.28701667
12° 08.487' S	143° 17.319' E	-12.14145000	143.28865000
12° 08.694' S	143° 17.329' E	-12.14490000	143.28881667
12° 08.815' S	143° 17.280' E	-12.14691667	143.28800000
12° 08.961' S	143° 17.131' E	-12.14935000	143.28551667
12° 09.021' S	143° 17.001' E	-12.15035000	143.28335000
12° 09.038' S	143° 16.823' E	-12.15063333	143.28038333
12° 08.970' S	143° 16.620' E	-12.14950000	143.27700000
12° 08.465' S	143° 16.050' E	-12.14108333	143.26750000
12° 07.936' S	143° 15.705' E	-12.13226667	143.26175000
12° 07.713' S	143° 15.672' E	-12.12855000	143.26120000
12° 07.521' S	143° 15.738' E	-12.12535000	143.26230000
<b>HP-12-5054</b>	<b>Pickard Reef (12-009)</b>		
12° 13.601' S	143° 07.473' E	-12.22668333	143.12455000
12° 13.601' S	143° 08.800' E	-12.22668333	143.14666667
12° 14.800' S	143° 08.800' E	-12.24666667	143.14666667
12° 14.800' S	143° 07.594' E	-12.24666667	143.12656667
12° 14.800' S	143° 07.473' E	-12.24666667	143.12455000
<b>HP-12-5055</b>	<b>Piper Islands Reefs (12-011 and 12-012)</b>		
12° 14.001' S	143° 11.201' E	-12.23335000	143.18668333
12° 14.001' S	143° 13.999' E	-12.23335000	143.23331667
12° 15.200' S	143° 15.202' E	-12.25333333	143.25336667
12° 16.001' S	143° 15.202' E	-12.26668333	143.25336667
12° 16.001' S	143° 13.999' E	-12.26668333	143.23331667
12° 15.200' S	143° 12.798' E	-12.25333333	143.21330000
12° 15.200' S	143° 12.000' E	-12.25333333	143.20000000
12° 14.800' S	143° 11.201' E	-12.24666667	143.18668333
<b>HP-12-5058</b>	<b>Middle Reef (12-072)</b>		
12° 30.001' S	143° 22.800' E	-12.50001667	143.38000000
12° 30.001' S	143° 23.325' E	-12.50001667	143.38875000
12° 32.001' S	143° 24.399' E	-12.53335000	143.40665000
12° 32.001' S	143° 24.201' E	-12.53335000	143.40335000
12° 32.001' S	143° 23.200' E	-12.53335000	143.38666667
12° 31.601' S	143° 22.800' E	-12.52668333	143.38000000
<b>HP-12-5059</b>	<b>Dolphin Reef (12-096)</b>		
12° 32.750' S	143° 33.237' E	-12.54583333	143.55395000

12° 33.498' S	143° 33.237' E	-12.55830000	143.55395000
12° 34.001' S	143° 32.487' E	-12.56668333	143.54145000
12° 34.001' S	143° 30.486' E	-12.56668333	143.50810000
12° 33.249' S	143° 30.486' E	-12.55415000	143.50810000

**Portland Roads  
coastal area**

<b>HP-12-5060</b>			
12° 33.600' S	143° 21.600' E	-12.56000000	143.36000000
12° 35.400' S	143° 25.200' E	-12.59000000	143.42000000
12° 36.471' S	143° 26.985' E	-12.60785000	143.44975000
12° 37.300' S	143° 27.867' E	-12.62166667	143.46445000
12° 37.800' S	143° 27.867' E	-12.63000000	143.46445000
12° 37.800' S	143° 27.000' E	-12.63000000	143.45000000
12° 39.000' S	143° 26.400' E	-12.65000000	143.44000000
12° 39.000' S	143° 27.000' E	-12.65000000	143.45000000
12° 39.600' S	143° 27.600' E	-12.66000000	143.46000000
12° 40.200' S	143° 27.000' E	-12.67000000	143.45000000
12° 40.200' S	143° 26.400' E	-12.67000000	143.44000000
12° 40.800' S	143° 25.800' E	-12.68000000	143.43000000
12° 45.501' S	143° 24.457' E	-12.75835000	143.40761667
12° 43.050' S	143° 23.316' E	-12.71750000	143.38860000
12° 33.852' S	143° 21.267' E	-12.56420000	143.35445000

**Burke Reef (12-105) and  
Tannadice**

<b>HP-12-5061</b>	<b>Shoals (12-106)</b>		
12° 37.248' S	143° 35.736' E	-12.62080000	143.59560000
12° 37.998' S	143° 35.736' E	-12.63330000	143.59560000
12° 39.249' S	143° 34.486' E	-12.65415000	143.57476667
12° 39.249' S	143° 31.986' E	-12.65415000	143.53310000
12° 39.999' S	143° 31.986' E	-12.66665000	143.53310000
12° 40.250' S	143° 31.734' E	-12.67083333	143.52890000
12° 40.250' S	143° 31.236' E	-12.67083333	143.52060000
12° 39.999' S	143° 30.985' E	-12.66665000	143.51641667
12° 39.498' S	143° 30.985' E	-12.65830000	143.51641667
12° 38.748' S	143° 31.734' E	-12.64580000	143.52890000
12° 37.998' S	143° 31.734' E	-12.63330000	143.52890000
12° 37.998' S	143° 32.736' E	-12.63330000	143.54560000
12° 37.749' S	143° 32.986' E	-12.62915000	143.54976667
12° 37.749' S	143° 34.486' E	-12.62915000	143.57476667
12° 37.249' S	143° 35.237' E	-12.62081667	143.58728333

**Hazelgrove Reef  
(12-085), May  
Reef (12-086)  
and Exit Reef (12-089)**

<b>HP-12-5062</b>			
12° 44.400' S	143° 29.400' E	-12.74000000	143.49000000
12° 47.400' S	143° 30.000' E	-12.79000000	143.50000000
12° 47.400' S	143° 27.600' E	-12.79000000	143.46000000
12° 46.800' S	143° 27.600' E	-12.78000000	143.46000000
12° 45.000' S	143° 28.200' E	-12.75000000	143.47000000

**Zenith Reef (12-115)**

<b>HP-12-5063</b>			
12° 45.000' S	143° 35.400' E	-12.75000000	143.59000000
12° 45.600' S	143° 37.798' E	-12.76000000	143.62996667
12° 46.800' S	143° 37.798' E	-12.78000000	143.62996667
12° 46.800' S	143° 37.199' E	-12.78000000	143.61998333

12° 46.800' S	143° 36.000' E	-12.78000000	143.60000000
12° 46.200' S	143° 35.400' E	-12.77000000	143.59000000
<b>HP-12-5064</b>	<b>Wye Reef (12-119)</b>		
12° 48.000' S	143° 36.000' E	-12.80000000	143.60000000
12° 48.000' S	143° 37.199' E	-12.80000000	143.61998333
12° 49.200' S	143° 37.199' E	-12.82000000	143.61998333
12° 49.200' S	143° 36.000' E	-12.82000000	143.60000000
	<b>Sunk Reef (12-122), Frederick Patches (12-126), unnamed reef 12-124 and Chapman Island Reef (12-129)</b>		
<b>HP-12-5065</b>	<b>Reef (12-129)</b>		
12° 50.000' S	143° 37.486' E	-12.83333333	143.62476667
12° 50.000' S	143° 39.737' E	-12.83333333	143.66228333
12° 51.749' S	143° 39.737' E	-12.86248333	143.66228333
12° 51.749' S	143° 38.736' E	-12.86248333	143.64560000
12° 52.499' S	143° 38.736' E	-12.87498333	143.64560000
12° 53.499' S	143° 37.737' E	-12.89165000	143.62895000
12° 53.998' S	143° 35.987' E	-12.89996667	143.59978333
12° 53.247' S	143° 35.237' E	-12.88745000	143.58728333
12° 52.248' S	143° 35.237' E	-12.87080000	143.58728333
12° 52.248' S	143° 37.236' E	-12.87080000	143.62060000
12° 51.749' S	143° 37.735' E	-12.86248333	143.62891667
12° 51.249' S	143° 37.735' E	-12.85415000	143.62891667
12° 50.750' S	143° 37.236' E	-12.84583333	143.62060000
12° 50.248' S	143° 37.236' E	-12.83746667	143.62060000
	<b>Unnamed reef 12-133</b>		
<b>HP-12-5066</b>	<b>133</b>		
12° 55.200' S	143° 39.198' E	-12.92000000	143.65330000
12° 55.200' S	143° 40.000' E	-12.92000000	143.66666667
12° 55.999' S	143° 40.000' E	-12.93331667	143.66666667
12° 56.400' S	143° 39.600' E	-12.94000000	143.66000000
12° 56.400' S	143° 38.799' E	-12.94000000	143.64665000
12° 55.600' S	143° 38.799' E	-12.92666667	143.64665000
	<b>Unnamed reef 12-139</b>		
<b>HP-12-5067</b>	<b>139</b>		
12° 56.400' S	143° 41.201' E	-12.94000000	143.68668333
12° 56.802' S	143° 41.601' E	-12.94670000	143.69335000
12° 57.600' S	143° 41.601' E	-12.96000000	143.69335000
12° 57.600' S	143° 40.799' E	-12.96000000	143.67998333
12° 57.200' S	143° 40.401' E	-12.95333333	143.67335000
	<b>Sherrard Reef (12-145)</b>		
<b>HP-12-5068</b>	<b>(12-145)</b>		
12° 58.802' S	143° 36.000' E	-12.98003333	143.60000000
12° 58.802' S	143° 37.599' E	-12.98003333	143.62665000
12° 59.201' S	143° 37.599' E	-12.98668333	143.62665000
13° 00.001' S	143° 37.199' E	-13.00001667	143.61998333
13° 00.001' S	143° 36.399' E	-13.00001667	143.60665000
12° 59.601' S	143° 36.000' E	-12.99335000	143.60000000
	<b>Unnamed reef 12-146</b>		
<b>HP-12-5069</b>	<b>146</b>		
12° 58.802' S	143° 40.799' E	-12.98003333	143.67998333

12° 58.802' S	143° 41.286' E	-12.98003333	143.68810000
12° 59.201' S	143° 43.999' E	-12.98668333	143.73331667
13° 00.399' S	143° 43.999' E	-13.00665000	143.73331667
13° 00.399' S	143° 42.401' E	-13.00665000	143.70668333
13° 00.801' S	143° 40.401' E	-13.01335000	143.67335000
13° 00.399' S	143° 39.600' E	-13.00665000	143.66000000
12° 59.601' S	143° 39.600' E	-12.99335000	143.66000000
12° 59.201' S	143° 40.000' E	-12.98668333	143.66666667

**Colclough Reefs  
(13-021a and b),  
New Reef (13-  
022) and  
unnamed reef 13-  
014**

**HP-13-5070**

13° 01.748' S	143° 41.689' E	-13.02913333	143.69481667
13° 02.399' S	143° 43.800' E	-13.03998333	143.73000000
13° 04.800' S	143° 45.000' E	-13.08000000	143.75000000
13° 06.600' S	143° 45.000' E	-13.11000000	143.75000000
13° 07.200' S	143° 42.600' E	-13.12000000	143.71000000
13° 07.200' S	143° 41.400' E	-13.12000000	143.69000000
13° 07.800' S	143° 41.400' E	-13.13000000	143.69000000
13° 07.800' S	143° 37.798' E	-13.13000000	143.62996667
13° 04.800' S	143° 37.798' E	-13.08000000	143.62996667

**Stork/Sykes  
Reefs coastal  
area: Stork Reef  
(13-012),  
unnamed reef 13-  
013, unnamed  
reef 13-019 and  
Sykes Reef (13-  
020)**

**HP-13-5071**

13° 03.025' S	143° 33.604' E	-13.05041667	143.56006667
13° 03.600' S	143° 34.200' E	-13.06000000	143.57000000
13° 04.200' S	143° 33.600' E	-13.07000000	143.56000000
13° 06.000' S	143° 33.600' E	-13.10000000	143.56000000
13° 06.600' S	143° 34.200' E	-13.11000000	143.57000000
13° 07.200' S	143° 33.600' E	-13.12000000	143.56000000
13° 08.880' S	143° 33.600' E	-13.14800000	143.56000000
13° 08.880' S	143° 30.458' E	-13.14800000	143.50763333
13° 04.349' S	143° 30.521' E	-13.07248333	143.50868333

**HP-13-5072**

13° 07.600' S	143° 44.400' E	-13.12666667	143.74000000
13° 07.600' S	143° 45.201' E	-13.12666667	143.75335000
13° 07.999' S	143° 45.600' E	-13.13331667	143.76000000
13° 08.801' S	143° 45.600' E	-13.14668333	143.76000000
13° 08.801' S	143° 44.400' E	-13.14668333	143.74000000

**Glennie Reef (13-  
024)**

**HP-13-5073**

13° 08.640' S	143° 38.040' E	-13.14400000	143.63400000
13° 08.640' S	143° 38.760' E	-13.14400000	143.64600000
13° 09.360' S	143° 38.760' E	-13.15600000	143.64600000
13° 09.360' S	143° 38.240' E	-13.15600000	143.63733333



**Waterwitch Reef  
(13-025)**

**HP-13-5074**

13° 08.880' S	143° 36.732' E	-13.14800000	143.61220000
13° 08.880' S	143° 37.437' E	-13.14800000	143.62395000
13° 09.481' S	143° 37.437' E	-13.15801667	143.62395000
13° 09.481' S	143° 36.732' E	-13.15801667	143.61220000

**Jubilee Reef (13-027), Throne Shoals (13-032), Diamond Reign Reefs (Reef 13-036), unnamed reef 13-038, Celebration Reef (13-041) and Bow Reef (13-048)**

**HP-13-5075**

13° 09.000' S	143° 46.200' E	-13.15000000	143.77000000
13° 09.000' S	143° 46.800' E	-13.15000000	143.78000000
13° 09.600' S	143° 47.400' E	-13.16000000	143.79000000
13° 10.200' S	143° 47.400' E	-13.17000000	143.79000000
13° 10.800' S	143° 46.800' E	-13.18000000	143.78000000
13° 10.800' S	143° 43.800' E	-13.18000000	143.73000000
13° 11.397' S	143° 43.203' E	-13.18995000	143.72005000
13° 12.599' S	143° 42.600' E	-13.20998333	143.71000000
13° 13.200' S	143° 43.800' E	-13.22000000	143.73000000
13° 12.599' S	143° 45.600' E	-13.20998333	143.76000000
13° 12.599' S	143° 47.400' E	-13.20998333	143.79000000
13° 13.800' S	143° 47.400' E	-13.23000000	143.79000000
13° 16.200' S	143° 45.000' E	-13.27000000	143.75000000
13° 16.200' S	143° 43.800' E	-13.27000000	143.73000000
13° 15.735' S	143° 42.986' E	-13.26225000	143.71643333
13° 16.998' S	143° 42.986' E	-13.28330000	143.71643333
13° 17.748' S	143° 42.235' E	-13.29580000	143.70391667
13° 17.748' S	143° 41.201' E	-13.29580000	143.68668333
13° 18.401' S	143° 41.201' E	-13.30668333	143.68668333
13° 18.800' S	143° 40.799' E	-13.31333333	143.67998333
13° 18.792' S	143° 40.032' E	-13.31320000	143.66720000
13° 17.600' S	143° 39.730' E	-13.29333333	143.66216667
13° 17.600' S	143° 40.737' E	-13.29333333	143.67895000
13° 16.994' S	143° 40.731' E	-13.28323333	143.67885000
13° 16.498' S	143° 40.486' E	-13.27496667	143.67476667
13° 15.749' S	143° 40.486' E	-13.26248333	143.67476667
13° 14.831' S	143° 41.403' E	-13.24718333	143.69005000
13° 13.800' S	143° 39.600' E	-13.23000000	143.66000000
13° 12.000' S	143° 39.600' E	-13.20000000	143.66000000
13° 10.200' S	143° 43.200' E	-13.17000000	143.72000000
13° 10.200' S	143° 43.800' E	-13.17000000	143.73000000
13° 09.600' S	143° 43.800' E	-13.16000000	143.73000000
13° 09.600' S	143° 44.400' E	-13.16000000	143.74000000

**Gertrude Reef  
(13-026)**

**HP-13-5076**

13° 09.500' S	143° 39.236' E	-13.15833333	143.65393333
13° 09.500' S	143° 39.737' E	-13.15833333	143.66228333
13° 09.748' S	143° 39.987' E	-13.16246667	143.66645000

13° 09.999' S	143° 39.987' E	-13.16665000	143.66645000
13° 10.250' S	143° 39.737' E	-13.17083333	143.66228333
13° 10.250' S	143° 39.236' E	-13.17083333	143.65393333
13° 10.002' S	143° 38.988' E	-13.16670000	143.64980000
13° 09.748' S	143° 38.988' E	-13.16246667	143.64980000

**Binstead Islet  
Reef (13-034)  
and Treat Reef  
(13-053) coastal**

**HP-13-5077**

**area**

13° 12.095' S	143° 31.032' E	-13.20158333	143.51720000
13° 12.095' S	143° 34.020' E	-13.20158333	143.56700000
13° 12.095' S	143° 34.486' E	-13.20158333	143.57476667
13° 16.750' S	143° 34.486' E	-13.27916667	143.57476667
13° 19.200' S	143° 36.000' E	-13.32000000	143.60000000
13° 19.200' S	143° 36.600' E	-13.32000000	143.61000000
13° 19.800' S	143° 36.600' E	-13.33000000	143.61000000
13° 21.360' S	143° 37.560' E	-13.35600000	143.62600000
13° 21.360' S	143° 35.520' E	-13.35600000	143.59200000
13° 21.360' S	143° 32.644' E	-13.35600000	143.54406667

**Lowrie Island**

**HP-13-5078**

**Reef (13-045)**

13° 15.999' S	143° 35.237' E	-13.26665000	143.58728333
13° 15.999' S	143° 35.736' E	-13.26665000	143.59560000
13° 16.498' S	143° 36.237' E	-13.27496667	143.60395000
13° 16.998' S	143° 36.237' E	-13.28330000	143.60395000
13° 16.998' S	143° 35.736' E	-13.28330000	143.59560000
13° 16.498' S	143° 35.237' E	-13.27496667	143.58728333

**Unnamed reefs**

**13-052 and 13-**

**055**

**HP-13-5079**

13° 17.400' S	143° 47.400' E	-13.29000000	143.79000000
13° 17.400' S	143° 48.000' E	-13.29000000	143.80000000
13° 19.200' S	143° 49.200' E	-13.32000000	143.82000000
13° 20.400' S	143° 49.200' E	-13.34000000	143.82000000
13° 21.600' S	143° 46.800' E	-13.36000000	143.78000000
13° 21.600' S	143° 45.000' E	-13.36000000	143.75000000
13° 21.000' S	143° 44.400' E	-13.35000000	143.74000000
13° 20.001' S	143° 44.400' E	-13.33335000	143.74000000
13° 20.001' S	143° 43.200' E	-13.33335000	143.72000000
13° 19.200' S	143° 43.200' E	-13.32000000	143.72000000
13° 18.800' S	143° 43.600' E	-13.31333333	143.72666667
13° 18.800' S	143° 44.400' E	-13.31333333	143.74000000
13° 19.800' S	143° 44.400' E	-13.33000000	143.74000000
13° 19.200' S	143° 46.200' E	-13.32000000	143.77000000
13° 18.000' S	143° 46.800' E	-13.30000000	143.78000000

**Port Stewart to**

**Port Douglas**

**mid-shelf and**

**offshore areas**

**HP-13-5080**

13° 18.506' S	144° 21.600' E	-13.30843333	144.36000000
13° 18.506' S	145° 09.265' E	-13.30843333	145.15441667
14° 18.528' S	145° 39.237' E	-14.30880000	145.65395000
14° 27.761' S	145° 31.128' E	-14.46268333	145.51880000
14° 28.386' S	145° 30.877' E	-14.47310000	145.51461667
14° 29.106' S	145° 30.591' E	-14.48510000	145.50985000

14° 29.858' S	145° 30.524' E	-14.49763333	145.50873333
14° 31.166' S	145° 31.657' E	-14.51943333	145.52761667
14° 31.379' S	145° 32.060' E	-14.52298333	145.53433333
14° 31.458' S	145° 32.208' E	-14.52430000	145.53680000
14° 31.641' S	145° 33.543' E	-14.52735000	145.55905000
14° 32.856' S	145° 34.004' E	-14.54760000	145.56673333
14° 33.982' S	145° 34.800' E	-14.56636667	145.58000000
14° 34.910' S	145° 35.848' E	-14.58183333	145.59746667
14° 34.989' S	145° 35.910' E	-14.58315000	145.59850000
14° 35.982' S	145° 36.240' E	-14.59970000	145.60400000
14° 37.046' S	145° 36.595' E	-14.61743333	145.60991667
14° 37.571' S	145° 36.771' E	-14.62618333	145.61285000
14° 40.993' S	145° 38.508' E	-14.68321667	145.64180000
14° 44.953' S	145° 40.806' E	-14.74921667	145.68010000
14° 54.381' S	145° 40.806' E	-14.90635000	145.68010000
14° 54.381' S	145° 40.127' E	-14.90635000	145.66878333
14° 55.985' S	145° 40.127' E	-14.93308333	145.66878333
14° 58.323' S	145° 40.127' E	-14.97205000	145.66878333
14° 58.323' S	145° 41.493' E	-14.97205000	145.69155000
14° 57.135' S	145° 42.136' E	-14.95225000	145.70226667
14° 57.135' S	145° 43.767' E	-14.95225000	145.72945000
15° 01.416' S	145° 43.767' E	-15.02360000	145.72945000
15° 01.416' S	145° 45.000' E	-15.02360000	145.75000000
15° 11.400' S	145° 45.000' E	-15.19000000	145.75000000
15° 11.402' S	145° 44.417' E	-15.19003333	145.74028333
15° 11.402' S	145° 43.800' E	-15.19003333	145.73000000
15° 15.600' S	145° 34.800' E	-15.26000000	145.58000000
15° 15.600' S	145° 30.000' E	-15.26000000	145.50000000
15° 23.383' S	145° 30.000' E	-15.38971667	145.50000000
15° 23.383' S	145° 35.453' E	-15.38971667	145.59088333
15° 22.119' S	145° 39.285' E	-15.36865000	145.65475000
15° 20.448' S	145° 44.976' E	-15.34080000	145.74960000
15° 19.836' S	145° 47.063' E	-15.33060000	145.78438333
15° 19.836' S	145° 55.122' E	-15.33060000	145.91870000
15° 21.330' S	145° 55.122' E	-15.35550000	145.91870000
15° 21.330' S	146° 08.535' E	-15.35550000	146.14225000
15° 40.405' S	146° 16.102' E	-15.67341667	146.26836667
15° 40.405' S	146° 09.078' E	-15.67341667	146.15130000
16° 04.759' S	146° 19.579' E	-16.07931667	146.32631667
16° 04.759' S	146° 25.803' E	-16.07931667	146.43005000
16° 16.652' S	146° 30.555' E	-16.27753333	146.50925000
16° 16.652' S	146° 13.125' E	-16.27753333	146.21875000
16° 22.625' S	146° 13.125' E	-16.37708333	146.21875000
16° 22.625' S	146° 10.456' E	-16.37708333	146.17426667
16° 04.800' S	145° 58.846' E	-16.08000000	145.98076667
16° 04.800' S	145° 57.585' E	-16.08000000	145.95975000
15° 54.726' S	145° 57.585' E	-15.91210000	145.95975000
15° 54.726' S	145° 50.055' E	-15.91210000	145.83425000
15° 54.726' S	145° 48.948' E	-15.91210000	145.81580000
15° 56.803' S	145° 46.974' E	-15.94671667	145.78290000
16° 03.600' S	145° 46.974' E	-16.06000000	145.78290000
16° 03.600' S	145° 51.001' E	-16.06000000	145.85001667
16° 04.800' S	145° 52.200' E	-16.08000000	145.87000000
16° 04.800' S	145° 52.800' E	-16.08000000	145.88000000
16° 09.250' S	145° 52.800' E	-16.15416667	145.88000000
16° 09.840' S	145° 53.224' E	-16.16400000	145.88706667

16° 12.939' S	145° 51.033' E	-16.21565000	145.85055000
16° 16.760' S	145° 48.332' E	-16.27933333	145.80553333
16° 18.613' S	145° 51.132' E	-16.31021667	145.85220000
16° 18.613' S	145° 55.564' E	-16.31021667	145.92606667
16° 19.777' S	145° 57.023' E	-16.32961667	145.95038333
16° 25.200' S	145° 51.600' E	-16.42000000	145.86000000
16° 27.600' S	145° 51.600' E	-16.46000000	145.86000000
16° 28.798' S	145° 50.400' E	-16.47996667	145.84000000
16° 28.798' S	145° 43.409' E	-16.47996667	145.72348333
16° 27.195' S	145° 40.813' E	-16.45325000	145.68021667
16° 27.195' S	145° 40.041' E	-16.45325000	145.66735000
16° 21.239' S	145° 40.041' E	-16.35398333	145.66735000
16° 18.138' S	145° 38.469' E	-16.30230000	145.64115000
16° 09.990' S	145° 36.600' E	-16.16650000	145.61000000
15° 55.200' S	145° 36.600' E	-15.92000000	145.61000000
15° 50.400' S	145° 36.600' E	-15.84000000	145.61000000
15° 50.400' S	145° 38.850' E	-15.84000000	145.64750000
15° 49.585' S	145° 38.850' E	-15.82641667	145.64750000
15° 47.470' S	145° 38.850' E	-15.79116667	145.64750000
15° 47.470' S	145° 39.438' E	-15.79116667	145.65730000
15° 47.474' S	145° 45.192' E	-15.79123333	145.75320000
15° 39.935' S	145° 45.192' E	-15.66558333	145.75320000
15° 39.935' S	145° 34.984' E	-15.66558333	145.58306667
15° 45.000' S	145° 34.984' E	-15.75000000	145.58306667
15° 45.000' S	145° 30.000' E	-15.75000000	145.50000000
15° 42.777' S	145° 30.000' E	-15.71295000	145.50000000
15° 39.007' S	145° 25.456' E	-15.65011667	145.42426667
15° 38.120' S	145° 25.209' E	-15.63533333	145.42015000
15° 37.795' S	145° 25.207' E	-15.62991667	145.42011667
15° 35.993' S	145° 25.207' E	-15.59988333	145.42011667
15° 35.993' S	145° 28.214' E	-15.59988333	145.47023333
15° 33.317' S	145° 28.214' E	-15.55528333	145.47023333
15° 33.317' S	145° 27.360' E	-15.55528333	145.45600000
15° 29.993' S	145° 27.360' E	-15.49988333	145.45600000
15° 22.800' S	145° 27.360' E	-15.38000000	145.45600000
15° 22.800' S	145° 27.600' E	-15.38000000	145.46000000
15° 15.119' S	145° 27.600' E	-15.25198333	145.46000000
15° 07.800' S	145° 27.600' E	-15.13000000	145.46000000
15° 07.800' S	145° 29.400' E	-15.13000000	145.49000000
15° 02.840' S	145° 29.400' E	-15.04733333	145.49000000
15° 02.840' S	145° 27.597' E	-15.04733333	145.45995000
14° 58.614' S	145° 27.597' E	-14.97690000	145.45995000
14° 52.499' S	145° 27.597' E	-14.87498333	145.45995000
14° 52.499' S	145° 30.021' E	-14.87498333	145.50035000
14° 50.340' S	145° 30.021' E	-14.83900000	145.50035000
14° 50.340' S	145° 31.985' E	-14.83900000	145.53308333
14° 48.123' S	145° 31.985' E	-14.80205000	145.53308333
14° 48.123' S	145° 30.021' E	-14.80205000	145.50035000
14° 45.142' S	145° 30.021' E	-14.75236667	145.50035000
14° 45.142' S	145° 31.275' E	-14.75236667	145.52125000
14° 44.039' S	145° 31.275' E	-14.73398333	145.52125000
14° 44.039' S	145° 30.021' E	-14.73398333	145.50035000
14° 40.560' S	145° 30.021' E	-14.67600000	145.50035000
14° 40.560' S	145° 29.046' E	-14.67600000	145.48410000
14° 39.758' S	145° 29.046' E	-14.66263333	145.48410000
14° 38.375' S	145° 27.465' E	-14.63958333	145.45775000

14° 38.375' S	145° 27.060' E	-14.63958333	145.45100000
14° 37.755' S	145° 27.060' E	-14.62925000	145.45100000
14° 37.755' S	145° 14.400' E	-14.62925000	145.24000000
14° 33.000' S	145° 00.237' E	-14.55000000	145.00395000
14° 30.000' S	145° 00.237' E	-14.50000000	145.00395000
14° 29.260' S	144° 58.781' E	-14.48766667	144.97968333
14° 29.260' S	144° 56.612' E	-14.48766667	144.94353333
14° 28.846' S	144° 56.612' E	-14.48076667	144.94353333
14° 27.694' S	144° 55.674' E	-14.46156667	144.92790000
14° 26.529' S	144° 54.003' E	-14.44215000	144.90005000
14° 26.529' S	144° 53.412' E	-14.44215000	144.89020000
14° 26.180' S	144° 52.726' E	-14.43633333	144.87876667
14° 25.350' S	144° 52.054' E	-14.42250000	144.86756667
14° 24.000' S	144° 47.604' E	-14.40000000	144.79340000
14° 20.227' S	144° 47.604' E	-14.33711667	144.79340000
14° 17.819' S	144° 49.969' E	-14.29698333	144.83281667
14° 14.279' S	144° 49.969' E	-14.23798333	144.83281667
14° 14.279' S	144° 58.360' E	-14.23798333	144.97266667
14° 10.236' S	144° 58.360' E	-14.17060000	144.97266667
14° 10.236' S	145° 06.925' E	-14.17060000	145.11541667
13° 48.000' S	145° 06.925' E	-13.80000000	145.11541667
13° 48.000' S	144° 32.996' E	-13.80000000	144.54993333
13° 55.298' S	144° 32.996' E	-13.92163333	144.54993333
13° 55.500' S	144° 32.841' E	-13.92500000	144.54735000
14° 00.000' S	144° 32.841' E	-14.00000000	144.54735000
14° 00.000' S	144° 25.800' E	-14.00000000	144.43000000
13° 58.202' S	144° 25.800' E	-13.97003333	144.43000000
13° 58.202' S	144° 22.200' E	-13.97003333	144.37000000
13° 57.601' S	144° 22.200' E	-13.96001667	144.37000000
13° 57.601' S	144° 20.627' E	-13.96001667	144.34378333
13° 56.985' S	144° 20.038' E	-13.94975000	144.33396667
13° 55.214' S	144° 20.038' E	-13.92023333	144.33396667
13° 54.000' S	144° 16.800' E	-13.90000000	144.28000000
13° 51.498' S	144° 16.024' E	-13.85830000	144.26706667
13° 50.658' S	144° 16.024' E	-13.84430000	144.26706667
13° 50.658' S	144° 19.431' E	-13.84430000	144.32385000
13° 47.751' S	144° 19.431' E	-13.79585000	144.32385000
13° 47.751' S	144° 16.024' E	-13.79585000	144.26706667
13° 48.639' S	144° 16.024' E	-13.81065000	144.26706667
13° 42.600' S	144° 12.000' E	-13.71000000	144.20000000
13° 42.600' S	144° 11.400' E	-13.71000000	144.19000000
13° 40.800' S	144° 08.398' E	-13.68000000	144.13996667
13° 39.000' S	144° 08.398' E	-13.65000000	144.13996667
13° 39.000' S	144° 05.481' E	-13.65000000	144.09135000
13° 37.932' S	144° 04.800' E	-13.63220000	144.08000000
13° 34.202' S	144° 04.800' E	-13.57003333	144.08000000
13° 30.887' S	144° 02.589' E	-13.51478333	144.04315000
13° 29.007' S	144° 04.788' E	-13.48345000	144.07980000
13° 27.000' S	144° 04.788' E	-13.45000000	144.07980000
13° 27.000' S	144° 21.600' E	-13.45000000	144.36000000
<b>Ellis Reef (13-059)</b>			
<b>HP-13-5081</b>			
13° 21.600' S	143° 41.073' E	-13.36000000	143.68455000
13° 21.600' S	143° 41.601' E	-13.36000000	143.69335000
13° 22.001' S	143° 43.200' E	-13.36668333	143.72000000
13° 23.601' S	143° 43.200' E	-13.39335000	143.72000000

13° 24.003' S	143° 42.799' E	-13.40005000	143.71331667
13° 24.003' S	143° 42.002' E	-13.40005000	143.70003333
13° 24.003' S	143° 41.601' E	-13.40005000	143.69335000
13° 22.400' S	143° 41.064' E	-13.37333333	143.68440000

**Quake Reef (13-068)**

<b>HP-13-5082</b>			
13° 26.795' S	143° 39.135' E	-13.44658333	143.65225000
13° 26.797' S	143° 39.150' E	-13.44661667	143.65250000
13° 26.799' S	143° 39.164' E	-13.44665000	143.65273333
13° 26.802' S	143° 39.180' E	-13.44670000	143.65300000
13° 26.923' S	143° 39.316' E	-13.44871667	143.65526667
13° 27.391' S	143° 39.351' E	-13.45651667	143.65585000
13° 27.490' S	143° 39.231' E	-13.45816667	143.65385000
13° 27.483' S	143° 39.051' E	-13.45805000	143.65085000
13° 26.856' S	143° 39.123' E	-13.44760000	143.65205000

**Nesbit River to Roberts Point coastal area: including McDonald Reef (13-075), Wilkie Island Reef (13-091), Frenchman Reef (13-085) and Poulsen Reef (13-086)**

<b>HP-13-5083</b>			
13° 29.880' S	143° 34.814' E	-13.49800000	143.58023333
13° 29.888' S	143° 38.775' E	-13.49813333	143.64625000
13° 32.000' S	143° 38.709' E	-13.53333333	143.64515000
13° 32.000' S	143° 39.600' E	-13.53333333	143.66000000
13° 32.112' S	143° 39.713' E	-13.53520000	143.66188333
13° 32.588' S	143° 39.749' E	-13.54313333	143.66248333
13° 33.105' S	143° 39.697' E	-13.55175000	143.66161667
13° 33.201' S	143° 39.600' E	-13.55335000	143.66000000
13° 33.201' S	143° 38.677' E	-13.55335000	143.64461667
13° 43.800' S	143° 38.398' E	-13.73000000	143.63996667
13° 44.401' S	143° 38.999' E	-13.74001667	143.64998333
13° 46.800' S	143° 38.999' E	-13.78000000	143.64998333
13° 46.800' S	143° 38.398' E	-13.78000000	143.63996667
13° 51.365' S	143° 39.988' E	-13.85608333	143.66646667
13° 51.365' S	143° 35.400' E	-13.85608333	143.59000000

**Noddy Reef (13-079a, b and c), Magpie Reef (13-087), Lytton Reef (13-088), Ballerina Shoal (13-096) and unnamed reefs 13-078 and 13-084**

<b>HP-13-5084</b>			
13° 35.400' S	143° 54.600' E	-13.59000000	143.91000000
13° 35.400' S	143° 55.800' E	-13.59000000	143.93000000
13° 36.000' S	143° 56.400' E	-13.60000000	143.94000000
13° 39.600' S	143° 56.400' E	-13.66000000	143.94000000

13° 40.200' S	143° 57.600' E	-13.67000000	143.96000000
13° 40.800' S	143° 57.600' E	-13.68000000	143.96000000
13° 46.800' S	143° 54.600' E	-13.78000000	143.91000000
13° 48.600' S	143° 52.202' E	-13.81000000	143.87003333
13° 50.400' S	143° 50.400' E	-13.84000000	143.84000000
13° 50.400' S	143° 47.400' E	-13.84000000	143.79000000
13° 51.000' S	143° 46.811' E	-13.85000000	143.78018333
13° 51.000' S	143° 46.200' E	-13.85000000	143.77000000
13° 50.400' S	143° 46.200' E	-13.84000000	143.77000000
13° 48.600' S	143° 43.800' E	-13.81000000	143.73000000
13° 48.000' S	143° 43.800' E	-13.80000000	143.73000000
13° 47.400' S	143° 45.000' E	-13.79000000	143.75000000
13° 47.400' S	143° 47.400' E	-13.79000000	143.79000000
13° 42.600' S	143° 52.202' E	-13.71000000	143.87003333
13° 39.600' S	143° 52.800' E	-13.66000000	143.88000000
13° 39.000' S	143° 53.400' E	-13.65000000	143.89000000
13° 37.800' S	143° 53.400' E	-13.63000000	143.89000000
13° 37.800' S	143° 50.400' E	-13.63000000	143.84000000
13° 38.400' S	143° 49.800' E	-13.64000000	143.83000000
13° 40.200' S	143° 49.800' E	-13.67000000	143.83000000
13° 40.399' S	143° 49.601' E	-13.67331667	143.82668333
13° 42.801' S	143° 49.601' E	-13.71335000	143.82668333
13° 42.801' S	143° 47.867' E	-13.71335000	143.79778333
13° 44.401' S	143° 46.800' E	-13.74001667	143.78000000
13° 45.000' S	143° 45.000' E	-13.75000000	143.75000000
13° 43.800' S	143° 44.400' E	-13.73000000	143.74000000
13° 40.200' S	143° 46.200' E	-13.67000000	143.77000000
13° 38.400' S	143° 46.200' E	-13.64000000	143.77000000
13° 37.800' S	143° 46.800' E	-13.63000000	143.78000000

**Fife Island Reef**

<b>HP-13-5085</b>	<b>(13-081)</b>		
13° 37.941' S	143° 45.000' E	-13.63235000	143.75000000
13° 40.200' S	143° 45.000' E	-13.67000000	143.75000000
13° 40.200' S	143° 42.791' E	-13.67000000	143.71318333
13° 38.901' S	143° 42.636' E	-13.64835000	143.71060000

**Unnamed reefs**

**13-089, 13-093a,**

<b>HP-13-5086</b>	<b>b and c</b>		
13° 43.200' S	143° 59.400' E	-13.72000000	143.99000000
13° 44.401' S	143° 59.400' E	-13.74001667	143.99000000
13° 44.401' S	144° 00.000' E	-13.74001667	144.00000000
13° 45.000' S	144° 00.600' E	-13.75000000	144.01000000
13° 46.738' S	144° 00.600' E	-13.77896667	144.01000000
13° 46.738' S	143° 59.770' E	-13.77896667	143.99616667
13° 47.511' S	143° 59.060' E	-13.79185000	143.98433333
13° 48.321' S	143° 58.811' E	-13.80535000	143.98018333
13° 50.208' S	143° 57.911' E	-13.83680000	143.96518333
13° 51.458' S	143° 55.857' E	-13.85763333	143.93095000
13° 52.800' S	143° 55.200' E	-13.88000000	143.92000000
13° 52.800' S	143° 52.800' E	-13.88000000	143.88000000
13° 51.600' S	143° 52.800' E	-13.86000000	143.88000000
13° 46.200' S	143° 56.400' E	-13.77000000	143.94000000
13° 45.600' S	143° 56.400' E	-13.76000000	143.94000000
13° 44.401' S	143° 57.000' E	-13.74001667	143.95000000

**Sullivan Shoal**

<b>HP-13-5087</b>	<b>(13-095)</b>		
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13° 50.091' S	143° 41.049' E	-13.83485000	143.68415000
13° 50.091' S	143° 41.316' E	-13.83485000	143.68860000
13° 50.332' S	143° 41.579' E	-13.83886667	143.69298333
13° 50.640' S	143° 41.765' E	-13.84400000	143.69608333
13° 51.241' S	143° 41.765' E	-13.85401667	143.69608333
13° 51.375' S	143° 41.687' E	-13.85625000	143.69478333
13° 51.462' S	143° 41.283' E	-13.85770000	143.68805000
13° 51.277' S	143° 40.935' E	-13.85461667	143.68225000
13° 50.804' S	143° 40.629' E	-13.84673333	143.67715000
13° 50.504' S	143° 40.629' E	-13.84173333	143.67715000
13° 50.244' S	143° 40.811' E	-13.83740000	143.68018333

**Unnamed reefs**

**13-123 and 13-124**

**HP-13-5088**

13° 50.400' S	144° 03.599' E	-13.84000000	144.05998333
13° 50.400' S	144° 09.716' E	-13.84000000	144.16193333
13° 52.302' S	144° 10.800' E	-13.87170000	144.18000000
13° 53.400' S	144° 10.200' E	-13.89000000	144.17000000
13° 53.400' S	144° 04.200' E	-13.89000000	144.07000000
13° 52.803' S	144° 03.599' E	-13.88005000	144.05998333

**Hannah Island**

**HP-13-5089**

**Reef (13-097)**

13° 51.199' S	143° 42.799' E	-13.85331667	143.71331667
13° 51.199' S	143° 43.397' E	-13.85331667	143.72328333
13° 51.565' S	143° 43.703' E	-13.85941667	143.72838333
13° 52.302' S	143° 43.703' E	-13.87170000	143.72838333
13° 52.620' S	143° 43.393' E	-13.87700000	143.72321667
13° 52.620' S	143° 42.860' E	-13.87700000	143.71433333
13° 52.137' S	143° 42.401' E	-13.86895000	143.70668333
13° 51.600' S	143° 42.401' E	-13.86000000	143.70668333

**Pelican Island**

**HP-13-5090**

**Reef (13-107)**

13° 53.998' S	143° 49.486' E	-13.89996667	143.82476667
13° 53.998' S	143° 50.985' E	-13.89996667	143.84975000
13° 55.749' S	143° 50.985' E	-13.92915000	143.84975000
13° 56.250' S	143° 50.486' E	-13.93750000	143.84143333
13° 56.250' S	143° 49.986' E	-13.93750000	143.83310000
13° 54.999' S	143° 49.486' E	-13.91665000	143.82476667

**Burkitt Island**

**HP-13-5091**

**Reef (13-111)**

13° 55.878' S	143° 45.375' E	-13.93130000	143.75625000
13° 55.878' S	143° 45.566' E	-13.93130000	143.75943333
13° 56.106' S	143° 45.819' E	-13.93510000	143.76365000
13° 56.775' S	143° 45.819' E	-13.94625000	143.76365000
13° 57.201' S	143° 45.555' E	-13.95335000	143.75925000
13° 57.201' S	143° 44.919' E	-13.95335000	143.74865000
13° 56.881' S	143° 44.664' E	-13.94801667	143.74440000
13° 56.397' S	143° 44.664' E	-13.93995000	143.74440000
13° 56.133' S	143° 44.908' E	-13.93555000	143.74846667

**HP-13-5092**

**Iris Reef (13-113)**

13° 56.999' S	143° 49.676' E	-13.94998333	143.82793333
13° 56.999' S	143° 50.985' E	-13.94998333	143.84975000
13° 58.246' S	143° 50.985' E	-13.97076667	143.84975000
13° 58.498' S	143° 50.486' E	-13.97496667	143.84143333
13° 58.498' S	143° 50.132' E	-13.97496667	143.83553333



**Unnamed reefs****HP-13-5380**

13° 47.331' S	144° 01.305' E	-13.78885000	144.02175000
13° 48.600' S	144° 03.000' E	-13.81000000	144.05000000
13° 51.000' S	144° 03.000' E	-13.85000000	144.05000000
13° 55.200' S	144° 01.200' E	-13.92000000	144.02000000
13° 55.200' S	144° 00.000' E	-13.92000000	144.00000000
13° 53.389' S	144° 00.110' E	-13.88981667	144.00183333
13° 52.215' S	144° 00.421' E	-13.87025000	144.00701667
13° 49.973' S	144° 01.305' E	-13.83288333	144.02175000

**Kestrel Reef (13-****104)****HP-13-5381**

13° 53.781' S	143° 53.515' E	-13.89635000	143.89191667
13° 53.781' S	143° 54.219' E	-13.89635000	143.90365000
13° 55.124' S	143° 53.469' E	-13.91873333	143.89115000
13° 54.527' S	143° 52.874' E	-13.90878333	143.88123333

**Fahey Reef (14-****006)****HP-14-5093**

14° 03.498' S	143° 50.985' E	-14.05830000	143.84975000
14° 03.498' S	143° 51.736' E	-14.05830000	143.86226667
14° 04.249' S	143° 51.736' E	-14.07081667	143.86226667
14° 04.248' S	143° 50.989' E	-14.07080000	143.84981667

**Eden Reef (14-****008)****HP-14-5094**

14° 04.173' S	143° 54.654' E	-14.06955000	143.91090000
14° 04.173' S	143° 55.021' E	-14.06955000	143.91701667
14° 04.511' S	143° 55.170' E	-14.07518333	143.91950000
14° 04.870' S	143° 55.170' E	-14.08116667	143.91950000
14° 05.139' S	143° 54.972' E	-14.08565000	143.91620000
14° 05.139' S	143° 54.378' E	-14.08565000	143.90630000
14° 04.881' S	143° 54.165' E	-14.08135000	143.90275000
14° 04.449' S	143° 54.165' E	-14.07415000	143.90275000

**Pipon Island****Reef (14-038)****HP-14-5095**

14° 06.270' S	144° 31.382' E	-14.10450000	144.52303333
14° 06.281' S	144° 32.488' E	-14.10468333	144.54146667
14° 07.747' S	144° 32.486' E	-14.12911667	144.54143333
14° 07.998' S	144° 32.237' E	-14.13330000	144.53728333
14° 07.998' S	144° 30.736' E	-14.13330000	144.51226667
14° 07.671' S	144° 30.408' E	-14.12785000	144.50680000
14° 07.080' S	144° 30.396' E	-14.11800000	144.50660000

**Wharton Reef****(14-022)****HP-14-5096**

14° 07.200' S	144° 00.000' E	-14.12000000	144.00000000
14° 07.200' S	144° 00.799' E	-14.12000000	144.01331667
14° 07.999' S	144° 00.799' E	-14.13331667	144.01331667
14° 08.400' S	143° 59.600' E	-14.14000000	143.99333333
14° 07.600' S	143° 58.800' E	-14.12666667	143.98000000
14° 07.201' S	143° 59.199' E	-14.12001667	143.98665000

**Princess****Charlotte Bay****coastal area****HP-14-5097**

14° 14.874' S	144° 11.760' E	-14.24790000	144.19600000
14° 15.642' S	144° 11.760' E	-14.26070000	144.19600000
14° 17.947' S	143° 44.189' E	-14.29911667	143.73648333
14° 17.924' S	143° 44.304' E	-14.29873333	143.73840000

14° 26.929' S	143° 54.692' E	-14.44881667	143.91153333
14° 26.929' S	144° 02.272' E	-14.44881667	144.03786667
14° 19.509' S	144° 02.272' E	-14.32515000	144.03786667
14° 21.539' S	144° 07.190' E	-14.35898333	144.11983333
<b>Bewick Island</b>			
<b>HP-14-5100 Reef (14-065)</b>			
14° 25.173' S	144° 47.922' E	-14.41955000	144.79870000
14° 25.173' S	144° 49.448' E	-14.41955000	144.82413333
14° 26.597' S	144° 49.448' E	-14.44328333	144.82413333
14° 26.597' S	144° 47.922' E	-14.44328333	144.79870000
<b>Watson Island</b>			
<b>HP-14-5101 Reef (14-068)</b>			
14° 27.222' S	144° 53.891' E	-14.45370000	144.89818333
14° 27.687' S	144° 54.067' E	-14.46145000	144.90111667
14° 28.202' S	144° 54.079' E	-14.47003333	144.90131667
14° 28.416' S	144° 53.914' E	-14.47360000	144.89856667
14° 28.477' S	144° 53.595' E	-14.47461667	144.89325000
14° 28.220' S	144° 53.205' E	-14.47033333	144.88675000
14° 27.870' S	144° 53.070' E	-14.46450000	144.88450000
14° 27.540' S	144° 53.156' E	-14.45900000	144.88593333
14° 27.240' S	144° 53.456' E	-14.45400000	144.89093333
<b>Wooden Patch</b>			
<b>HP-14-5102 (14-069)</b>			
14° 28.080' S	144° 44.760' E	-14.46800000	144.74600000
14° 28.080' S	144° 45.720' E	-14.46800000	144.76200000
14° 29.040' S	144° 45.720' E	-14.48400000	144.76200000
14° 29.040' S	144° 44.760' E	-14.48400000	144.74600000
<b>Newton Island</b>			
<b>HP-14-5103 Reef (14-099)</b>			
14° 29.691' S	144° 54.081' E	-14.49485000	144.90135000
14° 29.691' S	144° 55.638' E	-14.49485000	144.92730000
14° 30.975' S	144° 55.638' E	-14.51625000	144.92730000
14° 30.975' S	144° 54.081' E	-14.51625000	144.90135000
<b>Sand Islet Reef</b>			
<b>HP-14-5104 (14-093)</b>			
14° 31.129' S	144° 50.470' E	-14.51881667	144.84116667
14° 31.129' S	144° 50.913' E	-14.51881667	144.84855000
14° 31.544' S	144° 50.913' E	-14.52573333	144.84855000
14° 31.380' S	144° 50.470' E	-14.52300000	144.84116667
<b>Covered Reef</b>			
<b>HP-14-5105 (14-111)</b>			
14° 39.249' S	145° 10.236' E	-14.65415000	145.17060000
14° 39.249' S	145° 11.235' E	-14.65415000	145.18725000
14° 39.999' S	145° 11.235' E	-14.66665000	145.18725000
14° 39.999' S	145° 10.236' E	-14.66665000	145.17060000
<b>Gunga Shoal (14-</b>			
<b>HP-14-5106 117)</b>			
14° 39.750' S	145° 11.485' E	-14.66250000	145.19141667
14° 39.750' S	145° 12.486' E	-14.66250000	145.20810000
14° 40.499' S	145° 12.486' E	-14.67498333	145.20810000
14° 40.499' S	145° 11.485' E	-14.67498333	145.19141667
<b>Pethebridge</b>			
<b>Islets Reefs (14-</b>			
<b>HP-14-5107 122a and b)</b>			
14° 41.524' S	145° 04.371' E	-14.69206667	145.07285000
14° 43.676' S	145° 06.795' E	-14.72793333	145.11325000

14° 44.875' S	145° 06.790' E	-14.74791667	145.11316667
14° 44.869' S	145° 04.371' E	-14.74781667	145.07285000
<b>Crompton Shoals (14-121)</b>			
<b>HP-14-5108</b>			
14° 42.400' S	145° 15.999' E	-14.70666667	145.26665000
14° 42.400' S	145° 17.201' E	-14.70666667	145.28668333
14° 43.601' S	145° 17.201' E	-14.72668333	145.28668333
14° 43.601' S	145° 15.999' E	-14.72668333	145.26665000
<b>Martin Reef (14-123) and Linnet Reef (14-126)</b>			
<b>HP-14-5109</b>			
14° 44.397' S	145° 22.794' E	-14.73995000	145.37990000
14° 44.991' S	145° 23.411' E	-14.74985000	145.39018333
14° 47.999' S	145° 21.236' E	-14.79998333	145.35393333
14° 47.999' S	145° 19.800' E	-14.79998333	145.33000000
14° 44.400' S	145° 19.800' E	-14.74000000	145.33000000
<b>Maxwell Reef (14-125)</b>			
<b>HP-14-5110</b>			
14° 46.749' S	145° 18.486' E	-14.77915000	145.30810000
14° 46.749' S	145° 19.486' E	-14.77915000	145.32476667
14° 47.748' S	145° 19.486' E	-14.79580000	145.32476667
14° 47.748' S	145° 18.486' E	-14.79580000	145.30810000
<b>Sim Reef (14-128)</b>			
<b>HP-14-5111</b>			
14° 48.499' S	145° 16.736' E	-14.80831667	145.27893333
14° 48.499' S	145° 17.486' E	-14.80831667	145.29143333
14° 49.248' S	145° 17.486' E	-14.82080000	145.29143333
14° 49.248' S	145° 16.736' E	-14.82080000	145.27893333
<b>Flattery Harbour coastal area</b>			
<b>HP-14-5112</b>			
14° 50.897' S	145° 13.473' E	-14.84828333	145.22455000
14° 56.646' S	145° 18.005' E	-14.94410000	145.30008333
14° 57.770' S	145° 18.005' E	-14.96283333	145.30008333
<b>Miles Reef (14-098a and b)</b>			
<b>HP-14-5378</b>			
14° 32.253' S	144° 55.181' E	-14.53755000	144.91968333
14° 32.256' S	144° 55.320' E	-14.53760000	144.92200000
14° 32.414' S	144° 55.493' E	-14.54023333	144.92488333
14° 32.600' S	144° 55.496' E	-14.54333333	144.92493333
14° 32.831' S	144° 55.269' E	-14.54718333	144.92115000
14° 32.832' S	144° 55.062' E	-14.54720000	144.91770000
14° 32.663' S	144° 54.896' E	-14.54438333	144.91493333
14° 32.537' S	144° 54.896' E	-14.54228333	144.91493333
<b>Two Isles Reef (15-002)</b>			
<b>HP-15-5113</b>			
15° 00.772' S	145° 26.361' E	-15.01286667	145.43935000
15° 00.988' S	145° 26.994' E	-15.01646667	145.44990000
15° 01.336' S	145° 27.214' E	-15.02226667	145.45356667
15° 01.695' S	145° 27.214' E	-15.02825000	145.45356667
15° 01.943' S	145° 26.979' E	-15.03238333	145.44965000
15° 01.943' S	145° 26.523' E	-15.03238333	145.44205000
15° 01.659' S	145° 25.924' E	-15.02765000	145.43206667
15° 01.305' S	145° 25.750' E	-15.02175000	145.42916667
15° 00.975' S	145° 25.850' E	-15.01625000	145.43083333

	<b>Low Wooded Isle Reef (15-003)</b>		
<b>HP-15-5114</b>			
15° 05.248' S	145° 21.987' E	-15.08746667	145.36645000
15° 05.248' S	145° 23.999' E	-15.08746667	145.39998333
15° 06.249' S	145° 23.999' E	-15.10415000	145.39998333
15° 06.249' S	145° 21.987' E	-15.10415000	145.36645000
	<b>Conical Rock Reef (15-006)</b>		
<b>HP-15-5115</b>			
15° 07.751' S	145° 17.420' E	-15.12918333	145.29033333
15° 07.751' S	145° 19.984' E	-15.12918333	145.33306667
15° 08.748' S	145° 19.984' E	-15.14580000	145.33306667
15° 08.748' S	145° 17.914' E	-15.14580000	145.29856667
	<b>Petty Patch (15-011)</b>		
<b>HP-15-5116</b>			
15° 12.498' S	145° 19.765' E	-15.20830000	145.32941667
15° 12.498' S	145° 20.987' E	-15.20830000	145.34978333
15° 13.248' S	145° 20.987' E	-15.22080000	145.34978333
15° 13.248' S	145° 20.139' E	-15.22080000	145.33565000
	<b>Blackbird Patches (15-014a and b)</b>		
<b>HP-15-5117</b>			
15° 28.248' S	145° 16.986' E	-15.47080000	145.28310000
15° 28.248' S	145° 17.736' E	-15.47080000	145.29560000
15° 29.499' S	145° 17.736' E	-15.49165000	145.29560000
15° 29.499' S	145° 16.969' E	-15.49165000	145.28281667
15° 29.455' S	145° 16.980' E	-15.49091667	145.28300000
15° 28.380' S	145° 16.980' E	-15.47300000	145.28300000
	<b>Dawson Reef (15-051)</b>		
<b>HP-15-5118</b>			
15° 29.753' S	145° 19.034' E	-15.49588333	145.31723333
15° 29.753' S	145° 20.022' E	-15.49588333	145.33370000
15° 30.749' S	145° 20.022' E	-15.51248333	145.33370000
15° 30.749' S	145° 19.034' E	-15.51248333	145.31723333
	<b>Cowlshaw Reef (15-052)</b>		
<b>HP-15-5119</b>			
15° 31.610' S	145° 20.808' E	-15.52683333	145.34680000
15° 31.610' S	145° 21.474' E	-15.52683333	145.35790000
15° 32.541' S	145° 21.474' E	-15.54235000	145.35790000
15° 32.541' S	145° 21.198' E	-15.54235000	145.35330000
15° 32.208' S	145° 20.808' E	-15.53680000	145.34680000
	<b>Archer Point/Walsh Bay coastal area</b>		
<b>HP-15-5120</b>			
15° 35.640' S	145° 19.765' E	-15.59400000	145.32941667
15° 35.640' S	145° 20.280' E	-15.59400000	145.33800000
15° 36.600' S	145° 20.280' E	-15.61000000	145.33800000
15° 36.600' S	145° 19.680' E	-15.61000000	145.32800000
15° 38.886' S	145° 19.680' E	-15.64810000	145.32800000
15° 39.720' S	145° 20.580' E	-15.66200000	145.34300000
15° 39.720' S	145° 19.848' E	-15.66200000	145.33080000
	<b>Gubbins Reef (15-063)</b>		
<b>HP-15-5121</b>			
15° 41.999' S	145° 23.323' E	-15.69998333	145.38871667
15° 41.999' S	145° 24.486' E	-15.69998333	145.40810000

15° 43.248' S	145° 24.486' E	-15.72080000	145.40810000
15° 43.248' S	145° 23.729' E	-15.72080000	145.39548333
15° 42.678' S	145° 23.323' E	-15.71130000	145.38871667
<b>Stonor Patch (15-060) and Ottaway Patch (15-062)</b>			
<b>HP-15-5122</b>			
15° 42.120' S	145° 25.440' E	-15.70200000	145.42400000
15° 42.120' S	145° 26.640' E	-15.70200000	145.44400000
15° 42.720' S	145° 26.640' E	-15.71200000	145.44400000
15° 42.720' S	145° 25.440' E	-15.71200000	145.42400000
<b>Lake Reef (15-068)</b>			
<b>HP-15-5123</b>			
15° 54.357' S	145° 23.360' E	-15.90595000	145.38933333
15° 54.357' S	145° 24.142' E	-15.90595000	145.40236667
15° 55.040' S	145° 24.142' E	-15.91733333	145.40236667
15° 55.040' S	145° 23.360' E	-15.91733333	145.38933333
<b>Walker Bay coastal area</b>			
<b>HP-15-5379</b>			
15° 29.854' S	145° 17.022' E	-15.49756667	145.28370000
15° 33.141' S	145° 18.309' E	-15.55235000	145.30515000
<b>Cape Kimberley/Trinity Bay coastal area</b>			
<b>HP-16-5124</b>			
16° 13.350' S	145° 28.263' E	-16.22250000	145.47105000
16° 13.350' S	145° 28.560' E	-16.22250000	145.47600000
16° 14.248' S	145° 29.448' E	-16.23746667	145.49080000
16° 16.439' S	145° 29.448' E	-16.27398333	145.49080000
16° 17.787' S	145° 31.121' E	-16.29645000	145.51868333
16° 19.137' S	145° 31.121' E	-16.31895000	145.51868333
16° 19.137' S	145° 27.660' E	-16.31895000	145.46100000
16° 21.057' S	145° 27.660' E	-16.35095000	145.46100000
16° 27.498' S	145° 27.960' E	-16.45830000	145.46600000
16° 27.498' S	145° 24.539' E	-16.45830000	145.40898333
<b>Linden Bank (16-033)</b>			
<b>HP-16-5125</b>			
16° 17.400' S	145° 59.400' E	-16.29000000	145.99000000
16° 17.400' S	146° 01.200' E	-16.29000000	146.02000000
16° 18.598' S	146° 01.200' E	-16.30996667	146.02000000
16° 19.800' S	146° 00.000' E	-16.33000000	146.00000000
16° 18.598' S	145° 58.800' E	-16.30996667	145.98000000
16° 18.000' S	145° 58.800' E	-16.30000000	145.98000000

**Arlington Reef to  
 Spur Reef: Spur  
 Reef (16-034),  
 Onyx Reef (16-  
 035), Nicholas  
 Reef (16-036),  
 Hope Reef (16-  
 058) Fin Reef (16-  
 061), unnamed  
 reefs (16-062a,  
 b, c and 16-800)**

**and Arlington  
 Reef (16-064)**

**HP-16-5126**

16° 23.396' S	146° 01.259' E	-16.38993333	146.02098333
16° 23.396' S	146° 04.239' E	-16.38993333	146.07065000
16° 36.832' S	146° 11.259' E	-16.61386667	146.18765000
16° 44.157' S	146° 07.625' E	-16.73595000	146.12708333
16° 46.809' S	146° 04.491' E	-16.78015000	146.07485000
16° 46.809' S	146° 02.400' E	-16.78015000	146.04000000
16° 44.400' S	146° 00.000' E	-16.74000000	146.00000000
16° 43.514' S	145° 57.201' E	-16.72523333	145.95335000
16° 43.514' S	145° 56.238' E	-16.72523333	145.93730000
16° 42.002' S	145° 56.238' E	-16.70003333	145.93730000
16° 42.002' S	145° 56.835' E	-16.70003333	145.94725000
16° 40.104' S	145° 57.592' E	-16.66840000	145.95986667
16° 40.104' S	146° 00.790' E	-16.66840000	146.01316667
16° 37.425' S	146° 00.790' E	-16.62375000	146.01316667
16° 34.604' S	146° 04.590' E	-16.57673333	146.07650000
16° 31.064' S	146° 04.590' E	-16.51773333	146.07650000
16° 24.000' S	146° 01.259' E	-16.40000000	146.02098333

**Jorgensen Patch**

**HP-16-5127**

**(16-041)**

16° 32.062' S	145° 56.400' E	-16.53436667	145.94000000
16° 32.066' S	145° 57.900' E	-16.53443333	145.96500000
16° 34.865' S	145° 57.906' E	-16.58108333	145.96510000
16° 35.562' S	145° 56.981' E	-16.59270000	145.94968333
16° 38.400' S	145° 54.000' E	-16.64000000	145.90000000
16° 33.600' S	145° 56.400' E	-16.56000000	145.94000000

**HP-16-5128**

**Pixie Reef (16-  
 040)**

16° 32.427' S	145° 51.200' E	-16.54045000	145.85333333
16° 32.427' S	145° 52.129' E	-16.54045000	145.86881667
16° 33.344' S	145° 52.129' E	-16.55573333	145.86881667
16° 33.344' S	145° 51.200' E	-16.55573333	145.85333333

**Cairns offshore:  
Jenny Louise  
Shoal (16-066a  
and b), Baines  
Patches (16-  
069), Pellowe  
reef (16-070),  
Sudbury Reef  
(17-001a, b, c  
and d) and  
Stagg Patches**

**HP-16-5129 (17-002a and b)**

16° 37.516' S	146° 21.175' E	-16.62526667	146.35291667
16° 37.516' S	146° 38.917' E	-16.62526667	146.64861667
16° 46.274' S	146° 42.438' E	-16.77123333	146.70730000
16° 46.274' S	146° 22.159' E	-16.77123333	146.36931667
16° 52.487' S	146° 22.159' E	-16.87478333	146.36931667
17° 03.594' S	146° 15.549' E	-17.05990000	146.25915000
17° 03.594' S	146° 14.598' E	-17.05990000	146.24330000
17° 02.400' S	146° 10.200' E	-17.04000000	146.17000000
17° 02.400' S	146° 06.615' E	-17.04000000	146.11025000
16° 58.077' S	146° 06.615' E	-16.96795000	146.11025000
16° 55.204' S	146° 09.593' E	-16.92006667	146.15988333
16° 49.245' S	146° 09.600' E	-16.82075000	146.16000000
16° 49.245' S	146° 12.253' E	-16.82075000	146.20421667
16° 46.800' S	146° 12.253' E	-16.78000000	146.20421667
16° 46.800' S	146° 14.197' E	-16.78000000	146.23661667
16° 42.063' S	146° 14.197' E	-16.70105000	146.23661667
16° 42.063' S	146° 15.841' E	-16.70105000	146.26401667
16° 40.364' S	146° 15.841' E	-16.67273333	146.26401667
16° 40.364' S	146° 23.339' E	-16.67273333	146.38898333

**Ellis Beach/Palm  
Cove coastal  
area: Double  
Island Reef (16-  
047) and  
Haycock Island**

**HP-16-5130**

**Reef (16-048)**

16° 42.324' S	145° 37.767' E	-16.70540000	145.62945000
16° 43.320' S	145° 42.000' E	-16.72200000	145.70000000
16° 44.040' S	145° 42.000' E	-16.73400000	145.70000000
16° 44.400' S	145° 41.640' E	-16.74000000	145.69400000
16° 46.566' S	145° 41.645' E	-16.77610000	145.69408333

**Cape Grafton**

**HP-16-5131**

**coastal area**

16° 51.603' S	145° 55.738' E	-16.86005000	145.92896667
16° 53.664' S	145° 57.795' E	-16.89440000	145.96325000
16° 54.303' S	145° 57.789' E	-16.90505000	145.96315000
17° 00.468' S	145° 54.380' E	-17.00780000	145.90633333
17° 00.468' S	145° 54.025' E	-17.00780000	145.90041667
16° 56.676' S	145° 56.151' E	-16.94460000	145.93585000
16° 54.275' S	145° 57.446' E	-16.90458333	145.95743333
16° 51.851' S	145° 54.998' E	-16.86418333	145.91663333
16° 51.605' S	145° 54.998' E	-16.86008333	145.91663333

**Cairns to  
Townsville mid-  
shelf and  
offshore**

**HP-16-5133**

16° 55.104' S	146° 25.149' E	-16.91840000	146.41915000
16° 55.104' S	146° 28.024' E	-16.91840000	146.46706667
16° 59.023' S	146° 31.379' E	-16.98371667	146.52298333
16° 59.023' S	146° 32.557' E	-16.98371667	146.54261667
17° 00.000' S	146° 32.557' E	-17.00000000	146.54261667
17° 13.200' S	146° 38.400' E	-17.22000000	146.64000000
17° 51.990' S	146° 51.912' E	-17.86650000	146.86520000
17° 59.495' S	146° 58.887' E	-17.99158333	146.98145000
17° 59.495' S	147° 07.653' E	-17.99158333	147.12755000
18° 24.960' S	147° 47.274' E	-18.41600000	147.78790000
18° 40.880' S	147° 47.274' E	-18.68133333	147.78790000
18° 42.000' S	147° 40.800' E	-18.70000000	147.68000000
18° 45.419' S	147° 37.869' E	-18.75698333	147.63115000
18° 46.200' S	147° 35.587' E	-18.77000000	147.59311667
18° 46.200' S	147° 30.000' E	-18.77000000	147.50000000
18° 44.400' S	147° 30.000' E	-18.74000000	147.50000000
18° 38.554' S	147° 22.329' E	-18.64256667	147.37215000
18° 34.961' S	147° 22.329' E	-18.58268333	147.37215000
18° 34.961' S	147° 29.600' E	-18.58268333	147.49333333
18° 40.863' S	147° 29.600' E	-18.68105000	147.49333333
18° 40.863' S	147° 38.297' E	-18.68105000	147.63828333
18° 23.299' S	147° 38.297' E	-18.38831667	147.63828333
18° 23.299' S	147° 20.097' E	-18.38831667	147.33495000
18° 29.119' S	147° 18.003' E	-18.48531667	147.30005000
18° 29.119' S	147° 14.795' E	-18.48531667	147.24658333
18° 33.846' S	147° 14.795' E	-18.56410000	147.24658333
18° 34.800' S	147° 08.372' E	-18.58000000	147.13953333
18° 32.400' S	147° 01.165' E	-18.54000000	147.01941667
18° 29.187' S	146° 59.187' E	-18.48645000	146.98645000
18° 29.187' S	147° 00.870' E	-18.48645000	147.01450000
18° 16.489' S	147° 00.870' E	-18.27481667	147.01450000
18° 16.489' S	146° 56.733' E	-18.27481667	146.94555000
17° 59.495' S	146° 56.733' E	-17.99158333	146.94555000
17° 56.946' S	146° 53.697' E	-17.94910000	146.89495000
17° 56.946' S	146° 50.461' E	-17.94910000	146.84101667
17° 54.470' S	146° 48.257' E	-17.90783333	146.80428333
17° 54.470' S	146° 46.217' E	-17.90783333	146.77028333
17° 58.113' S	146° 46.217' E	-17.96855000	146.77028333
17° 58.113' S	146° 43.202' E	-17.96855000	146.72003333
17° 56.800' S	146° 43.202' E	-17.94666667	146.72003333
17° 52.864' S	146° 40.833' E	-17.88106667	146.68055000
17° 52.864' S	146° 38.283' E	-17.88106667	146.63805000
17° 54.027' S	146° 38.283' E	-17.90045000	146.63805000
17° 55.224' S	146° 37.122' E	-17.92040000	146.61870000
17° 55.224' S	146° 31.126' E	-17.92040000	146.51876667
17° 52.200' S	146° 27.420' E	-17.87000000	146.45700000
17° 52.200' S	146° 32.460' E	-17.87000000	146.54100000
17° 49.380' S	146° 36.000' E	-17.82300000	146.60000000
17° 48.000' S	146° 35.280' E	-17.80000000	146.58800000
17° 48.000' S	146° 32.520' E	-17.80000000	146.54200000
17° 49.320' S	146° 31.020' E	-17.82200000	146.51700000
17° 49.320' S	146° 26.040' E	-17.82200000	146.43400000



17° 45.651' S	146° 23.967' E	-17.76085000	146.39945000
17° 44.687' S	146° 21.967' E	-17.74478333	146.36611667
17° 43.419' S	146° 21.967' E	-17.72365000	146.36611667
17° 40.908' S	146° 22.787' E	-17.68180000	146.37978333
17° 40.177' S	146° 22.107' E	-17.66961667	146.36845000
17° 39.068' S	146° 22.107' E	-17.65113333	146.36845000
17° 38.776' S	146° 23.024' E	-17.64626667	146.38373333
17° 36.679' S	146° 23.842' E	-17.61131667	146.39736667
17° 34.656' S	146° 23.217' E	-17.57760000	146.38695000
17° 33.571' S	146° 21.635' E	-17.55951667	146.36058333
17° 33.571' S	146° 34.368' E	-17.55951667	146.57280000
17° 29.141' S	146° 34.368' E	-17.48568333	146.57280000
17° 29.141' S	146° 29.356' E	-17.48568333	146.48926667
17° 30.589' S	146° 29.356' E	-17.50981667	146.48926667
17° 30.589' S	146° 24.086' E	-17.50981667	146.40143333
17° 28.922' S	146° 20.439' E	-17.48203333	146.34065000
17° 24.001' S	146° 20.439' E	-17.40001667	146.34065000
17° 24.001' S	146° 16.750' E	-17.40001667	146.27916667
17° 12.818' S	146° 16.750' E	-17.21363333	146.27916667
17° 12.818' S	146° 19.200' E	-17.21363333	146.32000000
17° 09.606' S	146° 19.200' E	-17.16010000	146.32000000
17° 09.606' S	146° 16.059' E	-17.16010000	146.26765000

**Cairns outer**

<b>HP-16-5135</b>	<b>shelf</b>		
17° 00.000' S	146° 38.015' E	-17.00000000	146.63358333
17° 00.000' S	146° 47.967' E	-17.00000000	146.79945000
17° 29.910' S	147° 00.064' E	-17.49850000	147.00106667
17° 29.910' S	146° 52.359' E	-17.49850000	146.87265000

**High Island Reef**

<b>HP-17-5136</b>	<b>(17-009)</b>		
17° 07.828' S	145° 59.984' E	-17.13046667	145.99973333
17° 07.828' S	146° 01.431' E	-17.13046667	146.02385000
17° 10.555' S	146° 01.431' E	-17.17591667	146.02385000
17° 10.555' S	146° 00.677' E	-17.17591667	146.01128333
17° 09.933' S	145° 59.984' E	-17.16555000	145.99973333

**The Twins Reef**

<b>HP-17-5137</b>	<b>(17-022)</b>		
17° 28.499' S	146° 06.735' E	-17.47498333	146.11225000
17° 28.499' S	146° 07.236' E	-17.47498333	146.12060000
17° 28.999' S	146° 07.236' E	-17.48331667	146.12060000
17° 28.999' S	146° 06.735' E	-17.48331667	146.11225000

**Etty Bay coastal**

<b>HP-17-5138</b>	<b>area</b>		
17° 32.966' S	146° 05.334' E	-17.54943333	146.08890000
17° 34.215' S	146° 06.156' E	-17.57025000	146.10260000

**Meaburn Rock**

<b>HP-17-5139</b>	<b>(17-036)</b>		
17° 33.999' S	146° 09.486' E	-17.56665000	146.15810000
17° 33.999' S	146° 09.986' E	-17.56665000	146.16643333
17° 34.497' S	146° 09.986' E	-17.57495000	146.16643333
17° 34.497' S	146° 09.486' E	-17.57495000	146.15810000

**Mission Beach**

<b>HP-17-5140</b>	<b>coastal area</b>		
17° 39.009' S	146° 08.951' E	-17.65015000	146.14918333
17° 39.009' S	146° 11.565' E	-17.65015000	146.19275000
17° 39.600' S	146° 11.539' E	-17.66000000	146.19231667

17° 39.600' S	146° 09.660' E	-17.66000000	146.16100000
17° 41.040' S	146° 09.660' E	-17.68400000	146.16100000
17° 41.040' S	146° 11.485' E	-17.68400000	146.19141667
17° 43.197' S	146° 11.409' E	-17.71995000	146.19015000
17° 47.925' S	146° 10.219' E	-17.79875000	146.17031667
17° 52.561' S	146° 10.209' E	-17.87601667	146.17015000
17° 52.561' S	146° 06.360' E	-17.87601667	146.10600000
17° 48.987' S	146° 06.375' E	-17.81645000	146.10625000
17° 48.987' S	146° 07.290' E	-17.81645000	146.12150000
17° 47.642' S	146° 07.290' E	-17.79403333	146.12150000
17° 47.642' S	146° 05.674' E	-17.79403333	146.09456667
17° 48.378' S	146° 05.674' E	-17.80630000	146.09456667

**Otter Reef (18-018)**

<b>HP-17-5141</b>			
17° 57.587' S	146° 34.798' E	-17.95978333	146.57996667
17° 57.587' S	146° 38.360' E	-17.95978333	146.63933333
18° 02.533' S	146° 38.360' E	-18.04221667	146.63933333
18° 06.247' S	146° 34.582' E	-18.10411667	146.57636667
18° 07.718' S	146° 31.611' E	-18.12863333	146.52685000
18° 07.466' S	146° 30.247' E	-18.12443333	146.50411667
18° 06.637' S	146° 29.364' E	-18.11061667	146.48940000
18° 03.853' S	146° 29.364' E	-18.06421667	146.48940000
18° 02.039' S	146° 30.287' E	-18.03398333	146.50478333
17° 58.862' S	146° 33.602' E	-17.98103333	146.56003333
17° 58.862' S	146° 34.798' E	-17.98103333	146.57996667

**Tully Heads**

<b>HP-17-5142</b>	<b>coastal area</b>		
17° 59.468' S	146° 04.681' E	-17.99113333	146.07801667
17° 59.468' S	146° 06.585' E	-17.99113333	146.10975000
18° 02.124' S	146° 06.585' E	-18.03540000	146.10975000
18° 01.970' S	146° 06.001' E	-18.03283333	146.10001667
18° 01.970' S	146° 02.994' E	-18.03283333	146.04990000

**Kennedy Shoal**

<b>HP-18-5143</b>	<b>(18-007)</b>		
18° 04.200' S	146° 25.800' E	-18.07000000	146.43000000
18° 04.200' S	146° 27.604' E	-18.07000000	146.46006667
18° 06.000' S	146° 27.604' E	-18.10000000	146.46006667
18° 06.000' S	146° 26.398' E	-18.10000000	146.43996667
18° 05.400' S	146° 25.800' E	-18.09000000	146.43000000

**Britomart Reef (18-024), unnamed reef 18-026 and Bramble Reef (18-029)**

<b>HP-18-5144</b>			
18° 08.700' S	146° 43.202' E	-18.14500000	146.72003333
18° 08.700' S	146° 53.067' E	-18.14500000	146.88445000
18° 16.800' S	146° 53.067' E	-18.28000000	146.88445000
18° 16.800' S	146° 51.600' E	-18.28000000	146.86000000
18° 18.600' S	146° 49.838' E	-18.31000000	146.83063333
18° 18.600' S	146° 47.400' E	-18.31000000	146.79000000
18° 22.200' S	146° 44.400' E	-18.37000000	146.74000000
18° 25.200' S	146° 46.728' E	-18.42000000	146.77880000
18° 27.327' S	146° 44.670' E	-18.45545000	146.74450000
18° 27.327' S	146° 43.658' E	-18.45545000	146.72763333
18° 26.286' S	146° 41.203' E	-18.43810000	146.68671667

18° 25.379' S	146° 40.165' E	-18.42298333	146.66941667
18° 23.511' S	146° 39.348' E	-18.39185000	146.65580000
18° 22.500' S	146° 39.348' E	-18.37500000	146.65580000
18° 21.797' S	146° 40.905' E	-18.36328333	146.68175000
18° 21.797' S	146° 42.000' E	-18.36328333	146.70000000
18° 16.800' S	146° 42.000' E	-18.28000000	146.70000000
18° 16.800' S	146° 39.600' E	-18.28000000	146.66000000
18° 15.600' S	146° 38.400' E	-18.26000000	146.64000000
18° 13.999' S	146° 37.597' E	-18.23331667	146.62661667
18° 12.938' S	146° 37.597' E	-18.21563333	146.62661667
18° 10.800' S	146° 43.202' E	-18.18000000	146.72003333

**Rib Reef (18-032)**

<b>HP-18-5145</b>			
18° 27.705' S	146° 52.906' E	-18.46175000	146.88176667
18° 28.200' S	146° 53.402' E	-18.47000000	146.89003333
18° 29.742' S	146° 53.405' E	-18.49570000	146.89008333
18° 29.739' S	146° 51.941' E	-18.49565000	146.86568333
18° 29.400' S	146° 51.600' E	-18.49000000	146.86000000
18° 28.125' S	146° 51.602' E	-18.46875000	146.86003333

**Group: Pelorus Islands**  
**Island Reef (18-048), Curacoa Island Reef (18-052a and b), Fantome Island Reef (18-053), Great Palm Reef (18-054a), unnamed reefs 18-058, 18-059, 18-060 and 18-**

<b>HP-18-5146</b>			
18° 31.998' S	146° 28.500' E	-18.53330000	146.47500000
18° 31.998' S	146° 30.526' E	-18.53330000	146.50876667
18° 33.260' S	146° 30.526' E	-18.55433333	146.50876667
18° 39.951' S	146° 35.280' E	-18.66585000	146.58800000
18° 40.320' S	146° 35.280' E	-18.67200000	146.58800000
18° 40.320' S	146° 34.410' E	-18.67200000	146.57350000
18° 40.594' S	146° 34.419' E	-18.67656667	146.57365000
18° 45.041' S	146° 33.994' E	-18.75068333	146.56656667
18° 45.041' S	146° 33.840' E	-18.75068333	146.56400000
18° 45.840' S	146° 33.840' E	-18.76400000	146.56400000
18° 47.499' S	146° 33.599' E	-18.79165000	146.55998333
18° 47.499' S	146° 30.300' E	-18.79165000	146.50500000
18° 45.000' S	146° 30.300' E	-18.75000000	146.50500000
18° 40.998' S	146° 29.490' E	-18.68330000	146.49150000
18° 40.380' S	146° 29.490' E	-18.67300000	146.49150000
18° 40.380' S	146° 29.580' E	-18.67300000	146.49300000
18° 38.821' S	146° 30.840' E	-18.64701667	146.51400000
18° 37.140' S	146° 30.840' E	-18.61900000	146.51400000
18° 36.002' S	146° 30.600' E	-18.60003333	146.51000000
18° 35.220' S	146° 30.120' E	-18.58700000	146.50200000
18° 34.339' S	146° 30.120' E	-18.57231667	146.50200000
18° 33.660' S	146° 29.023' E	-18.56100000	146.48371667
18° 33.660' S	146° 28.503' E	-18.56100000	146.47505000

**Lodestone Reef  
(18-078)**

<b>HP-18-5147</b>			
18° 40.401' S	147° 06.006' E	-18.67335000	147.10010000
18° 40.401' S	147° 06.804' E	-18.67335000	147.11340000
18° 40.800' S	147° 07.603' E	-18.68000000	147.12671667
18° 42.002' S	147° 07.603' E	-18.70003333	147.12671667
18° 42.399' S	147° 06.804' E	-18.70665000	147.11340000
18° 42.399' S	147° 05.204' E	-18.70665000	147.08673333
18° 42.000' S	147° 04.798' E	-18.70000000	147.07996667
18° 41.202' S	147° 04.798' E	-18.68670000	147.07996667

**Lady Elliot Reef  
(18-050)**

<b>HP-18-5148</b>			
18° 40.402' S	146° 19.507' E	-18.67336667	146.32511667
18° 40.402' S	146° 20.312' E	-18.67336667	146.33853333
18° 41.607' S	146° 20.312' E	-18.69345000	146.33853333
18° 41.607' S	146° 19.507' E	-18.69345000	146.32511667

**Burdekin/Flinders  
Passage**

<b>HP-18-5149</b>	<b>offshore</b>		
18° 41.949' S	148° 05.463' E	-18.69915000	148.09105000
18° 45.000' S	148° 09.000' E	-18.75000000	148.15000000
18° 49.648' S	148° 22.220' E	-18.82746667	148.37033333
18° 59.231' S	148° 21.324' E	-18.98718333	148.35540000
19° 00.975' S	148° 27.409' E	-19.01625000	148.45681667
18° 52.738' S	148° 31.008' E	-18.87896667	148.51680000
18° 55.413' S	148° 38.616' E	-18.92355000	148.64360000
19° 15.500' S	148° 29.147' E	-19.25833333	148.48578333
19° 15.000' S	148° 16.200' E	-19.25000000	148.27000000
19° 15.000' S	148° 09.021' E	-19.25000000	148.15035000
19° 15.000' S	148° 04.800' E	-19.25000000	148.08000000
19° 12.000' S	148° 04.800' E	-19.20000000	148.08000000
19° 05.992' S	148° 04.800' E	-19.09986667	148.08000000
19° 05.992' S	148° 03.374' E	-19.09986667	148.05623333
19° 00.000' S	148° 03.374' E	-19.00000000	148.05623333
19° 00.000' S	148° 00.003' E	-19.00000000	148.00005000
18° 57.600' S	147° 57.600' E	-18.96000000	147.96000000
18° 57.600' S	147° 59.829' E	-18.96000000	147.99715000
18° 50.409' S	147° 59.829' E	-18.84015000	147.99715000
18° 50.409' S	147° 54.843' E	-18.84015000	147.91405000
18° 43.551' S	147° 54.843' E	-18.72585000	147.91405000

**Keeper Reef (18-  
079)**

<b>HP-18-5150</b>			
18° 43.556' S	147° 16.572' E	-18.72593333	147.27620000
18° 44.537' S	147° 17.979' E	-18.74228333	147.29965000
18° 45.955' S	147° 16.544' E	-18.76591667	147.27573333
18° 45.955' S	147° 15.816' E	-18.76591667	147.26360000
18° 45.306' S	147° 14.883' E	-18.75510000	147.24805000
18° 44.791' S	147° 14.883' E	-18.74651667	147.24805000

**Havannah Island  
Reef (18-064)  
and Fly Island**

<b>HP-18-5151</b>	<b>(18-065)</b>		
18° 49.200' S	146° 31.100' E	-18.82000000	146.51833333
18° 49.200' S	146° 32.018' E	-18.82000000	146.53363333
18° 49.800' S	146° 33.599' E	-18.83000000	146.55998333
18° 51.602' S	146° 33.599' E	-18.86003333	146.55998333

18° 51.602' S	146° 32.403' E	-18.86003333	146.54005000
18° 51.002' S	146° 31.800' E	-18.85003333	146.53000000
18° 50.649' S	146° 31.100' E	-18.84415000	146.51833333

**Broadhurst Reef  
(18-100a and b)  
and Little**

**Broadhurst Reef  
(18-106)**

<b>HP-18-5152</b>			
18° 49.437' S	147° 42.239' E	-18.82395000	147.70398333
18° 49.437' S	147° 43.414' E	-18.82395000	147.72356667
18° 55.200' S	147° 49.203' E	-18.92000000	147.82005000
18° 57.185' S	147° 49.203' E	-18.95308333	147.82005000
18° 59.418' S	147° 43.503' E	-18.99030000	147.72505000
18° 59.418' S	147° 41.551' E	-18.99030000	147.69251667
18° 57.946' S	147° 40.247' E	-18.96576667	147.67078333
18° 54.253' S	147° 40.247' E	-18.90421667	147.67078333
18° 52.635' S	147° 38.616' E	-18.87725000	147.64360000

**Banfield Reef  
(18-105a and b)  
and unnamed  
reefs (18-102 to**

**18-104)**

<b>HP-18-5153</b>			
18° 53.115' S	147° 50.836' E	-18.88525000	147.84726667
18° 53.115' S	147° 54.849' E	-18.88525000	147.91415000
18° 57.600' S	147° 57.600' E	-18.96000000	147.96000000
18° 57.600' S	147° 54.001' E	-18.96000000	147.90001667
18° 55.200' S	147° 51.600' E	-18.92000000	147.86000000

**Unnamed reef 18-  
800**

<b>HP-18-5154</b>			
18° 55.707' S	146° 20.289' E	-18.92845000	146.33815000
18° 55.707' S	146° 21.219' E	-18.92845000	146.35365000
18° 56.688' S	146° 21.219' E	-18.94480000	146.35365000
18° 56.688' S	146° 20.289' E	-18.94480000	146.33815000

**Acheron Island  
Reef (18-066)**

<b>HP-18-5155</b>			
18° 57.204' S	146° 37.603' E	-18.95340000	146.62671667
18° 57.204' S	146° 38.804' E	-18.95340000	146.64673333
18° 58.405' S	146° 38.804' E	-18.97341667	146.64673333
18° 58.924' S	146° 37.444' E	-18.98206667	146.62406667
18° 58.924' S	146° 36.838' E	-18.98206667	146.61396667
18° 58.326' S	146° 36.838' E	-18.97210000	146.61396667
18° 57.603' S	146° 37.202' E	-18.96005000	146.62003333

**Cordelia Rock  
(18-068)**

<b>HP-18-5156</b>			
18° 59.201' S	146° 40.404' E	-18.98668333	146.67340000
18° 59.201' S	146° 41.604' E	-18.98668333	146.69340000
18° 59.599' S	146° 42.003' E	-18.99331667	146.70005000
19° 00.401' S	146° 42.003' E	-19.00668333	146.70005000
19° 00.401' S	146° 40.404' E	-19.00668333	146.67340000

**Lucinda coastal  
area**

<b>HP-18-5378</b>			
18° 29.760' S	146° 19.059' E	-18.49600000	146.31765000
18° 29.760' S	146° 19.777' E	-18.49600000	146.32961667
18° 30.775' S	146° 20.031' E	-18.51291667	146.33385000
18° 31.112' S	146° 19.059' E	-18.51853333	146.31765000

	<b>Bowden Reef (19-019)</b>		
<b>HP-19-5157</b>			
19° 00.498' S	147° 54.990' E	-19.00830000	147.91650000
19° 00.498' S	147° 56.238' E	-19.00830000	147.93730000
19° 01.498' S	147° 57.239' E	-19.02496667	147.95398333
19° 03.750' S	147° 57.239' E	-19.06250000	147.95398333
19° 03.750' S	147° 55.745' E	-19.06250000	147.92908333
19° 03.000' S	147° 54.990' E	-19.05000000	147.91650000
	<b>Bramble Rock (19-001), Herald Island Reef (19-002), Rattlesnake Island Reef (19-003) and Lorne Reef (19-004)</b>		
<b>HP-19-5158</b>			
19° 00.987' S	146° 38.531' E	-19.01645000	146.64218333
19° 02.085' S	146° 38.898' E	-19.03475000	146.64830000
19° 02.727' S	146° 35.730' E	-19.04545000	146.59550000
19° 02.250' S	146° 34.969' E	-19.03750000	146.58281667
19° 01.871' S	146° 34.969' E	-19.03118333	146.58281667
19° 01.676' S	146° 35.397' E	-19.02793333	146.58995000
	<b>Boar Creek coastal area</b>		
<b>HP-19-5159</b>			
19° 03.630' S	146° 26.704' E	-19.06050000	146.44506667
19° 03.681' S	146° 26.916' E	-19.06135000	146.44860000
19° 03.830' S	146° 27.035' E	-19.06383333	146.45058333
19° 04.032' S	146° 27.023' E	-19.06720000	146.45038333
19° 04.080' S	146° 26.992' E	-19.06800000	146.44986667
19° 04.102' S	146° 26.976' E	-19.06836667	146.44960000
19° 04.114' S	146° 26.969' E	-19.06856667	146.44948333
19° 03.670' S	146° 26.605' E	-19.06116667	146.44341667
	<b>Paluma Shoals (19-005)</b>		
<b>HP-19-5160</b>			
19° 05.201' S	146° 32.801' E	-19.08668333	146.54668333
19° 05.201' S	146° 33.603' E	-19.08668333	146.56005000
19° 06.000' S	146° 34.803' E	-19.10000000	146.58005000
19° 06.798' S	146° 34.404' E	-19.11330000	146.57340000
19° 06.000' S	146° 32.801' E	-19.10000000	146.54668333
	<b>Magnetic Island Reef East (19-009b, c, d, e and f)</b>		
<b>HP-19-5161</b>			
19° 06.007' S	146° 49.980' E	-19.10011667	146.83300000
19° 06.007' S	146° 53.240' E	-19.10011667	146.88733333
19° 06.748' S	146° 53.240' E	-19.11246667	146.88733333
19° 07.599' S	146° 53.659' E	-19.12665000	146.89431667
19° 11.284' S	146° 51.276' E	-19.18806667	146.85460000
19° 10.902' S	146° 50.864' E	-19.18170000	146.84773333
19° 09.577' S	146° 51.489' E	-19.15961667	146.85815000
19° 09.271' S	146° 52.267' E	-19.15451667	146.87111667
19° 09.009' S	146° 52.313' E	-19.15015000	146.87188333
19° 08.763' S	146° 52.423' E	-19.14605000	146.87371667
19° 07.914' S	146° 52.585' E	-19.13190000	146.87641667
19° 07.713' S	146° 52.841' E	-19.12855000	146.88068333
19° 07.573' S	146° 53.014' E	-19.12621667	146.88356667

19° 07.291' S	146° 52.986' E	-19.12151667	146.88310000
19° 07.236' S	146° 53.011' E	-19.12060000	146.88351667
19° 06.856' S	146° 53.011' E	-19.11426667	146.88351667
19° 06.621' S	146° 52.618' E	-19.11035000	146.87696667
19° 06.450' S	146° 52.171' E	-19.10750000	146.86951667
19° 06.289' S	146° 49.980' E	-19.10481667	146.83300000

**Bay Rock (19-007)**

<b>HP-19-5162</b>			
19° 06.840' S	146° 45.118' E	-19.11400000	146.75196667
19° 06.840' S	146° 45.603' E	-19.11400000	146.76005000
19° 07.440' S	146° 45.603' E	-19.12400000	146.76005000
19° 07.440' S	146° 45.118' E	-19.12400000	146.75196667

**Burdekin Rock (19-008)**

<b>HP-19-5163</b>			
19° 07.440' S	146° 42.363' E	-19.12400000	146.70605000
19° 07.440' S	146° 42.843' E	-19.12400000	146.71405000
19° 08.040' S	146° 42.843' E	-19.13400000	146.71405000
19° 08.040' S	146° 42.363' E	-19.13400000	146.70605000

**Morinda Shoal (19-020)**

<b>HP-19-5164</b>			
19° 07.694' S	147° 36.908' E	-19.12823333	147.61513333
19° 07.694' S	147° 38.676' E	-19.12823333	147.64460000
19° 09.199' S	147° 38.676' E	-19.15331667	147.64460000
19° 09.199' S	147° 37.458' E	-19.15331667	147.62430000
19° 08.272' S	147° 36.908' E	-19.13786667	147.61513333

**Whitsundays cross shelf**

<b>HP-19-5165</b>			
19° 14.105' S	149° 26.709' E	-19.23508333	149.44515000
19° 24.690' S	149° 47.310' E	-19.41150000	149.78850000
19° 35.400' S	149° 36.600' E	-19.59000000	149.61000000
19° 37.800' S	149° 36.600' E	-19.63000000	149.61000000
19° 39.000' S	149° 37.800' E	-19.65000000	149.63000000
19° 39.600' S	149° 42.000' E	-19.66000000	149.70000000
19° 37.200' S	149° 45.000' E	-19.62000000	149.75000000
19° 42.101' S	149° 51.774' E	-19.70168333	149.86290000
20° 06.431' S	149° 51.774' E	-20.10718333	149.86290000
20° 06.431' S	149° 46.201' E	-20.10718333	149.77001667
20° 04.492' S	149° 46.201' E	-20.07486667	149.77001667
20° 03.719' S	149° 45.101' E	-20.06198333	149.75168333
20° 03.000' S	149° 41.400' E	-20.05000000	149.69000000
19° 58.800' S	149° 36.600' E	-19.98000000	149.61000000
19° 54.000' S	149° 34.800' E	-19.90000000	149.58000000
19° 51.000' S	149° 28.800' E	-19.85000000	149.48000000
19° 49.200' S	149° 27.000' E	-19.82000000	149.45000000
19° 49.200' S	149° 24.600' E	-19.82000000	149.41000000
20° 15.600' S	149° 11.400' E	-20.26000000	149.19000000
20° 17.511' S	149° 08.004' E	-20.29185000	149.13340000
20° 14.280' S	149° 08.004' E	-20.23800000	149.13340000
20° 14.280' S	149° 03.118' E	-20.23800000	149.05196667
20° 13.588' S	149° 03.118' E	-20.22646667	149.05196667
20° 13.588' S	149° 02.155' E	-20.22646667	149.03591667
20° 14.280' S	149° 02.155' E	-20.23800000	149.03591667
20° 14.280' S	149° 01.558' E	-20.23800000	149.02596667
20° 14.278' S	148° 56.255' E	-20.23796667	148.93758333
20° 15.180' S	148° 54.120' E	-20.25300000	148.90200000

20° 16.290' S	148° 54.120' E	-20.27150000	148.90200000
20° 16.890' S	148° 54.420' E	-20.28150000	148.90700000
20° 17.700' S	148° 54.420' E	-20.29500000	148.90700000
20° 17.700' S	148° 54.932' E	-20.29500000	148.91553333
20° 19.854' S	148° 54.932' E	-20.33090000	148.91553333
20° 19.854' S	148° 56.520' E	-20.33090000	148.94200000
20° 21.360' S	148° 56.520' E	-20.35600000	148.94200000
20° 21.840' S	148° 56.400' E	-20.36400000	148.94000000
20° 22.800' S	148° 56.882' E	-20.38000000	148.94803333
20° 23.040' S	148° 57.360' E	-20.38400000	148.95600000
20° 24.600' S	148° 55.800' E	-20.41000000	148.93000000
20° 21.958' S	148° 54.000' E	-20.36596667	148.90000000
20° 21.958' S	148° 52.647' E	-20.36596667	148.87745000
20° 20.562' S	148° 52.021' E	-20.34270000	148.86701667
20° 20.457' S	148° 51.975' E	-20.34095000	148.86625000
20° 19.638' S	148° 51.975' E	-20.32730000	148.86625000
20° 18.720' S	148° 51.975' E	-20.31200000	148.86625000
20° 18.720' S	148° 50.760' E	-20.31200000	148.84600000
20° 19.560' S	148° 50.400' E	-20.32600000	148.84000000
20° 20.883' S	148° 50.400' E	-20.34805000	148.84000000
20° 20.883' S	148° 50.208' E	-20.34805000	148.83680000
20° 14.107' S	148° 45.183' E	-20.23511667	148.75305000
20° 13.200' S	148° 45.183' E	-20.22000000	148.75305000
20° 13.200' S	148° 45.600' E	-20.22000000	148.76000000
20° 06.000' S	148° 50.406' E	-20.10000000	148.84010000
20° 03.246' S	148° 50.406' E	-20.05410000	148.84010000
20° 03.246' S	148° 43.812' E	-20.05410000	148.73020000
19° 54.947' S	148° 43.812' E	-19.91578333	148.73020000
19° 54.947' S	148° 57.600' E	-19.91578333	148.96000000
19° 49.766' S	148° 57.600' E	-19.82943333	148.96000000
19° 49.766' S	149° 03.367' E	-19.82943333	149.05611667
19° 49.766' S	149° 05.520' E	-19.82943333	149.09200000
19° 49.766' S	149° 09.360' E	-19.82943333	149.15600000
19° 50.400' S	149° 11.160' E	-19.84000000	149.18600000
19° 50.400' S	149° 13.200' E	-19.84000000	149.22000000
19° 49.800' S	149° 15.480' E	-19.83000000	149.25800000
19° 48.717' S	149° 15.480' E	-19.81195000	149.25800000
19° 48.717' S	149° 16.326' E	-19.81195000	149.27210000
19° 48.240' S	149° 16.927' E	-19.80400000	149.28211667
19° 46.202' S	149° 17.047' E	-19.77003333	149.28411667
19° 44.880' S	149° 15.848' E	-19.74800000	149.26413333
19° 44.880' S	149° 15.006' E	-19.74800000	149.25010000
19° 42.213' S	149° 11.985' E	-19.70355000	149.19975000
19° 42.438' S	149° 11.841' E	-19.70730000	149.19735000
19° 43.299' S	149° 11.559' E	-19.72165000	149.19265000
19° 43.568' S	149° 11.118' E	-19.72613333	149.18530000
19° 43.805' S	149° 10.845' E	-19.73008333	149.18075000
19° 43.862' S	149° 10.660' E	-19.73103333	149.17766667
19° 43.758' S	149° 10.302' E	-19.72930000	149.17170000
19° 43.793' S	149° 09.924' E	-19.72988333	149.16540000
19° 44.280' S	149° 09.600' E	-19.73800000	149.16000000
19° 44.280' S	149° 08.762' E	-19.73800000	149.14603333
19° 43.920' S	149° 08.400' E	-19.73200000	149.14000000
19° 43.200' S	149° 08.400' E	-19.72000000	149.14000000
19° 37.200' S	149° 12.600' E	-19.62000000	149.21000000
19° 35.271' S	149° 07.968' E	-19.58785000	149.13280000



19° 35.271' S	148° 57.600' E	-19.58785000	148.96000000
19° 34.200' S	148° 57.600' E	-19.57000000	148.96000000
19° 34.200' S	149° 00.600' E	-19.57000000	149.01000000
19° 31.800' S	149° 00.600' E	-19.53000000	149.01000000
19° 29.400' S	148° 58.200' E	-19.49000000	148.97000000
19° 30.600' S	148° 55.200' E	-19.51000000	148.92000000
19° 33.000' S	148° 55.200' E	-19.55000000	148.92000000
19° 33.000' S	148° 52.204' E	-19.55000000	148.87006667
19° 32.400' S	148° 43.804' E	-19.54000000	148.73006667
19° 27.015' S	148° 37.817' E	-19.45025000	148.63028333
19° 21.579' S	148° 37.212' E	-19.35965000	148.62020000
19° 19.755' S	148° 40.893' E	-19.32925000	148.68155000
19° 16.197' S	148° 44.424' E	-19.26995000	148.74040000
19° 16.197' S	148° 50.400' E	-19.26995000	148.84000000
19° 19.200' S	148° 50.400' E	-19.32000000	148.84000000
19° 22.839' S	148° 53.808' E	-19.38065000	148.89680000
19° 22.839' S	148° 57.324' E	-19.38065000	148.95540000
19° 15.267' S	149° 01.518' E	-19.25445000	149.02530000
19° 15.267' S	149° 11.085' E	-19.25445000	149.18475000

**Bare Islet Reef**

<b>HP-19-5166</b>	<b>(19-017)</b>		
19° 15.156' S	147° 04.147' E	-19.25260000	147.06911667
19° 15.156' S	147° 04.631' E	-19.25260000	147.07718333
19° 15.753' S	147° 04.631' E	-19.26255000	147.07718333
19° 15.753' S	147° 04.147' E	-19.26255000	147.06911667
19° 15.308' S	147° 04.147' E	-19.25513333	147.06911667

**Faith Reef (19-**

<b>HP-19-5167</b>	<b>044)</b>		
19° 15.891' S	148° 20.254' E	-19.26485000	148.33756667
19° 15.891' S	148° 21.602' E	-19.26485000	148.36003333
19° 17.659' S	148° 21.602' E	-19.29431667	148.36003333
19° 17.659' S	148° 19.798' E	-19.29431667	148.32996667
19° 16.800' S	148° 19.798' E	-19.28000000	148.32996667

**Hope Reef (19-**

<b>HP-19-5168</b>	<b>046)</b>		
19° 18.344' S	148° 25.841' E	-19.30573333	148.43068333
19° 18.344' S	148° 27.003' E	-19.30573333	148.45005000
19° 20.402' S	148° 27.003' E	-19.34003333	148.45005000
19° 20.402' S	148° 25.200' E	-19.34003333	148.42000000
19° 18.927' S	148° 25.200' E	-19.31545000	148.42000000

**Tink Shoal (19-**

<b>HP-19-5169</b>	<b>021)</b>		
19° 20.718' S	147° 50.700' E	-19.34530000	147.84500000
19° 20.718' S	147° 52.477' E	-19.34530000	147.87461667
19° 22.260' S	147° 52.477' E	-19.37100000	147.87461667
19° 22.260' S	147° 50.700' E	-19.37100000	147.84500000

**Charity Reef (19-**

<b>HP-19-5170</b>	<b>047)</b>		
19° 21.002' S	148° 19.803' E	-19.35003333	148.33005000
19° 21.002' S	148° 21.005' E	-19.35003333	148.35008333
19° 22.800' S	148° 21.005' E	-19.38000000	148.35008333
19° 22.800' S	148° 19.200' E	-19.38000000	148.32000000
19° 21.855' S	148° 19.200' E	-19.36425000	148.32000000

**Bowling Green**

<b>HP-19-5171</b>	<b>Bay</b>		
19° 23.282' S	147° 15.684' E	-19.38803333	147.26140000

19° 23.282' S	147° 23.581' E	-19.38803333	147.39301667
19° 25.119' S	147° 23.581' E	-19.41865000	147.39301667
19° 25.673' S	147° 15.684' E	-19.42788333	147.26140000

**Pakhoi Bank (19-023)**

<b>HP-19-5172</b>			
19° 26.481' S	147° 52.743' E	-19.44135000	147.87905000
19° 26.481' S	147° 53.223' E	-19.44135000	147.88705000
19° 27.081' S	147° 53.223' E	-19.45135000	147.88705000
19° 27.081' S	147° 52.743' E	-19.45135000	147.87905000

**HP-19-5173 Hardline Reefs**

19° 43.215' S	150° 04.224' E	-19.72025000	150.07040000
19° 45.600' S	150° 08.400' E	-19.76000000	150.14000000
19° 52.080' S	150° 15.960' E	-19.86800000	150.26600000
19° 50.400' S	150° 16.800' E	-19.84000000	150.28000000
19° 50.400' S	150° 18.000' E	-19.84000000	150.30000000
19° 51.600' S	150° 19.200' E	-19.86000000	150.32000000
19° 52.800' S	150° 19.200' E	-19.88000000	150.32000000
19° 54.000' S	150° 18.000' E	-19.90000000	150.30000000
19° 54.600' S	150° 19.200' E	-19.91000000	150.32000000
19° 55.200' S	150° 20.400' E	-19.92000000	150.34000000
19° 59.984' S	150° 25.206' E	-19.99973333	150.42010000
19° 55.987' S	150° 27.909' E	-19.93311667	150.46515000
20° 13.200' S	150° 31.200' E	-20.22000000	150.52000000
20° 17.001' S	150° 39.701' E	-20.28335000	150.66168333
20° 07.172' S	150° 50.394' E	-20.11953333	150.83990000
20° 19.700' S	150° 59.121' E	-20.32833333	150.98535000
20° 24.754' S	150° 50.688' E	-20.41256667	150.84480000
20° 31.929' S	150° 50.688' E	-20.53215000	150.84480000
20° 34.899' S	150° 55.235' E	-20.58165000	150.92058333
20° 34.899' S	151° 13.899' E	-20.58165000	151.23165000
20° 38.802' S	151° 17.802' E	-20.64670000	151.29670000
20° 40.800' S	151° 13.800' E	-20.68000000	151.23000000
20° 42.000' S	151° 09.000' E	-20.70000000	151.15000000
20° 48.000' S	151° 02.400' E	-20.80000000	151.04000000
20° 48.000' S	150° 51.630' E	-20.80000000	150.86050000
20° 43.179' S	150° 44.400' E	-20.71965000	150.74000000
20° 38.381' S	150° 43.200' E	-20.63968333	150.72000000
20° 35.979' S	150° 39.600' E	-20.59965000	150.66000000
20° 35.979' S	150° 37.200' E	-20.59965000	150.62000000
20° 37.179' S	150° 36.000' E	-20.61965000	150.60000000
20° 37.179' S	150° 34.802' E	-20.61965000	150.58003333
20° 33.579' S	150° 31.200' E	-20.55965000	150.52000000
20° 31.458' S	150° 31.200' E	-20.52430000	150.52000000
20° 29.999' S	150° 31.194' E	-20.49998333	150.51990000
20° 29.999' S	150° 32.155' E	-20.49998333	150.53591667
20° 18.102' S	150° 32.155' E	-20.30170000	150.53591667
20° 18.102' S	150° 28.588' E	-20.30170000	150.47646667
20° 07.200' S	150° 16.800' E	-20.12000000	150.28000000
20° 02.859' S	150° 13.367' E	-20.04765000	150.22278333
19° 56.778' S	150° 10.148' E	-19.94630000	150.16913333
19° 52.572' S	150° 07.007' E	-19.87620000	150.11678333
19° 49.534' S	150° 02.559' E	-19.82556667	150.04265000
19° 45.435' S	150° 02.565' E	-19.75725000	150.04275000

**Upstart Bay**

<b>HP-19-5174</b>	<b>coastal area</b>		
19° 45.099' S	147° 35.971' E	-19.75165000	147.59951667

19° 45.099' S	147° 36.876' E	-19.75165000	147.61460000
19° 46.227' S	147° 37.728' E	-19.77045000	147.62880000
19° 49.578' S	147° 42.081' E	-19.82630000	147.70135000
19° 49.578' S	147° 44.344' E	-19.82630000	147.73906667
19° 49.578' S	147° 46.321' E	-19.82630000	147.77201667

**Nares Rock (19-104)**

<b>HP-19-5175</b>			
19° 45.841' S	148° 21.166' E	-19.76401667	148.35276667
19° 45.841' S	148° 22.602' E	-19.76401667	148.37670000
19° 46.792' S	148° 22.602' E	-19.77986667	148.37670000
19° 46.792' S	148° 21.166' E	-19.77986667	148.35276667

**Blossom Bank (19-230 and 19-234)**

<b>HP-19-5177</b>			
19° 46.998' S	150° 20.486' E	-19.78330000	150.34143333
19° 46.998' S	150° 20.985' E	-19.78330000	150.34975000
19° 47.497' S	150° 22.236' E	-19.79161667	150.37060000
19° 48.247' S	150° 22.236' E	-19.80411667	150.37060000
19° 48.247' S	150° 20.985' E	-19.80411667	150.34975000
19° 47.748' S	150° 20.486' E	-19.79580000	150.34143333

**Marilyn Shoal (19-231)**

<b>HP-19-5178</b>			
19° 47.998' S	150° 22.735' E	-19.79996667	150.37891667
19° 47.998' S	150° 23.736' E	-19.79996667	150.39560000
19° 48.498' S	150° 23.736' E	-19.80830000	150.39560000
19° 48.498' S	150° 24.236' E	-19.80830000	150.40393333
19° 48.998' S	150° 24.236' E	-19.81663333	150.40393333
19° 49.500' S	150° 23.736' E	-19.82500000	150.39560000
19° 49.500' S	150° 22.983' E	-19.82500000	150.38305000
19° 48.998' S	150° 22.983' E	-19.81663333	150.38305000
19° 48.998' S	150° 22.735' E	-19.81663333	150.37891667

**Abbot Bay coastal area: Camp Island Reef (19-102)**

<b>HP-19-5179</b>			
19° 49.650' S	147° 51.480' E	-19.82750000	147.85800000
19° 49.650' S	147° 54.381' E	-19.82750000	147.90635000
19° 50.621' S	147° 54.480' E	-19.84368333	147.90800000
19° 55.436' S	147° 58.827' E	-19.92393333	147.98045000

**Ferris Shoal (19-232 and 19-235)**

<b>HP-19-5181</b>			
19° 50.748' S	150° 20.237' E	-19.84580000	150.33728333
19° 50.748' S	150° 20.736' E	-19.84580000	150.34560000
19° 50.999' S	150° 20.985' E	-19.84998333	150.34975000
19° 50.999' S	150° 22.236' E	-19.84998333	150.37060000
19° 51.498' S	150° 22.983' E	-19.85830000	150.38305000
19° 52.248' S	150° 22.983' E	-19.87080000	150.38305000
19° 52.248' S	150° 22.236' E	-19.87080000	150.37060000
19° 51.747' S	150° 21.486' E	-19.86245000	150.35810000
19° 51.747' S	150° 20.237' E	-19.86245000	150.33728333

**Maschke Shoal (19-233)**

<b>HP-19-5182</b>			
19° 52.400' S	150° 20.799' E	-19.87333333	150.34665000
19° 52.400' S	150° 21.600' E	-19.87333333	150.36000000
19° 52.800' S	150° 22.002' E	-19.88000000	150.36670000

19° 53.600' S	150° 22.002' E	-19.89333333	150.36670000
19° 53.600' S	150° 20.799' E	-19.89333333	150.34665000
<b>Thompson Shoal (19-229)</b>			
<b>HP-19-5183</b>			
19° 54.000' S	150° 19.200' E	-19.90000000	150.32000000
19° 54.000' S	150° 19.800' E	-19.90000000	150.33000000
19° 54.600' S	150° 19.800' E	-19.91000000	150.33000000
19° 54.600' S	150° 19.200' E	-19.91000000	150.32000000
<b>Middle Island Reef (19-106)</b>			
<b>HP-19-5184</b>			
19° 58.560' S	148° 21.360' E	-19.97600000	148.35600000
19° 58.560' S	148° 22.564' E	-19.97600000	148.37606667
19° 59.520' S	148° 22.564' E	-19.99200000	148.37606667
19° 59.520' S	148° 21.360' E	-19.99200000	148.35600000
<b>Ratray Island Reef (19-110)</b>			
<b>HP-19-5185</b>			
19° 58.800' S	148° 32.998' E	-19.98000000	148.54996667
19° 58.800' S	148° 33.656' E	-19.98000000	148.56093333
19° 59.431' S	148° 34.200' E	-19.99051667	148.57000000
20° 00.000' S	148° 34.200' E	-20.00000000	148.57000000
20° 00.000' S	148° 32.998' E	-20.00000000	148.54996667
<b>Bowen coastal area (20-001)</b>			
<b>HP-20-5186</b>			
20° 00.014' S	148° 15.927' E	-20.00023333	148.26545000
20° 00.090' S	148° 16.134' E	-20.00150000	148.26890000
20° 00.360' S	148° 16.368' E	-20.00600000	148.27280000
20° 00.708' S	148° 16.476' E	-20.01180000	148.27460000
20° 00.708' S	148° 16.476' E	-20.01180000	148.27460000
<b>Shoal Bay coastal area: including Manta Ray Island Reef (20-010)</b>			
<b>HP-20-5187</b>			
20° 02.749' S	148° 28.989' E	-20.04581667	148.48315000
20° 04.606' S	148° 30.876' E	-20.07676667	148.51460000
20° 05.085' S	148° 31.811' E	-20.08475000	148.53018333
20° 04.728' S	148° 32.214' E	-20.07880000	148.53690000
20° 04.728' S	148° 32.338' E	-20.07880000	148.53896667
20° 03.639' S	148° 27.235' E	-20.06065000	148.45391667
20° 03.349' S	148° 27.235' E	-20.05581667	148.45391667
20° 03.498' S	148° 27.486' E	-20.05830000	148.45810000
20° 03.498' S	148° 28.236' E	-20.05830000	148.47060000
<b>Saddleback Island Reef (20-015)</b>			
<b>HP-20-5188</b>			
20° 03.121' S	148° 32.280' E	-20.05201667	148.53800000
20° 03.121' S	148° 33.003' E	-20.05201667	148.55005000
20° 03.842' S	148° 33.003' E	-20.06403333	148.55005000
20° 04.440' S	148° 32.404' E	-20.07400000	148.54006667
20° 04.440' S	148° 31.680' E	-20.07400000	148.52800000
20° 03.720' S	148° 31.680' E	-20.06200000	148.52800000
<b>Edgecumbe Bay coastal area</b>			
<b>HP-20-5189</b>			
20° 07.024' S	148° 26.814' E	-20.11706667	148.44690000

20° 09.635' S	148° 25.364' E	-20.16058333	148.42273333
20° 04.408' S	148° 16.623' E	-20.07346667	148.27705000
20° 04.408' S	148° 19.664' E	-20.07346667	148.32773333
20° 03.709' S	148° 26.407' E	-20.06181667	148.44011667
20° 03.627' S	148° 27.183' E	-20.06045000	148.45305000

**Gumbrell Island  
Reef (20-020)**

<b>HP-20-5190</b>			
20° 05.201' S	148° 36.003' E	-20.08668333	148.60005000
20° 05.201' S	148° 36.941' E	-20.08668333	148.61568333
20° 06.408' S	148° 36.941' E	-20.10680000	148.61568333
20° 06.405' S	148° 36.003' E	-20.10675000	148.60005000

**Olden Island  
Reef coastal  
area (20-021, 20-  
025a and b)**

<b>HP-20-5191</b>			
20° 05.397' S	148° 34.803' E	-20.08995000	148.58005000
20° 06.800' S	148° 34.800' E	-20.11333333	148.58000000
20° 06.800' S	148° 34.044' E	-20.11333333	148.56740000
20° 07.653' S	148° 34.781' E	-20.12755000	148.57968333
20° 07.653' S	148° 34.706' E	-20.12755000	148.57843333
20° 06.367' S	148° 33.308' E	-20.10611667	148.55513333
20° 06.370' S	148° 33.607' E	-20.10616667	148.56011667
20° 05.400' S	148° 33.936' E	-20.09000000	148.56560000

**Wup Reef (20-  
127)**

<b>HP-20-5192</b>			
20° 05.601' S	150° 11.601' E	-20.09335000	150.19335000
20° 05.601' S	150° 12.401' E	-20.09335000	150.20668333
20° 07.200' S	150° 12.401' E	-20.12000000	150.20668333
20° 07.200' S	150° 11.601' E	-20.12000000	150.19335000
20° 06.800' S	150° 11.201' E	-20.11333333	150.18668333
20° 06.000' S	150° 11.201' E	-20.10000000	150.18668333

**Edwin Rock (20-  
026), unnamed  
reef 20-027 and  
Grassy Island  
Reef (20-030)**

<b>HP-20-5193</b>			
20° 07.200' S	148° 36.003' E	-20.12000000	148.60005000
20° 07.200' S	148° 37.203' E	-20.12000000	148.62005000
20° 09.600' S	148° 37.203' E	-20.16000000	148.62005000
20° 09.600' S	148° 35.705' E	-20.16000000	148.59508333
20° 09.176' S	148° 35.505' E	-20.15293333	148.59175000

**Roseric Shoal  
(20-031)**

<b>HP-20-5194</b>			
20° 10.399' S	148° 42.404' E	-20.17331667	148.70673333
20° 10.399' S	148° 43.203' E	-20.17331667	148.72005000
20° 11.202' S	148° 43.203' E	-20.18670000	148.72005000
20° 11.600' S	148° 42.804' E	-20.19333333	148.71340000
20° 11.600' S	148° 42.003' E	-20.19333333	148.70005000
20° 10.800' S	148° 42.003' E	-20.18000000	148.70005000

**Surprise Rock  
(20-083)**

<b>HP-20-5195</b>			
20° 21.000' S	149° 01.416' E	-20.35000000	149.02360000
20° 21.000' S	149° 01.802' E	-20.35000000	149.03003333
20° 21.600' S	149° 01.802' E	-20.36000000	149.03003333
20° 21.600' S	149° 01.200' E	-20.36000000	149.02000000

20° 21.111' S	149° 01.200' E	-20.35185000	149.02000000
<b>Long Island Reef Sound coastal area (20-062)</b>			
<b>HP-20-5196</b>			
20° 21.600' S	148° 50.520' E	-20.36000000	148.84200000
20° 23.164' S	148° 51.008' E	-20.38606667	148.85013333
20° 25.048' S	148° 51.008' E	-20.41746667	148.85013333
20° 25.048' S	148° 50.284' E	-20.41746667	148.83806667
20° 21.636' S	148° 50.400' E	-20.36060000	148.84000000
<b>Hamilton Island Reef south (20- 059)</b>			
<b>HP-20-5197</b>			
20° 22.200' S	148° 57.600' E	-20.37000000	148.96000000
20° 22.200' S	148° 58.200' E	-20.37000000	148.97000000
20° 22.800' S	148° 58.200' E	-20.38000000	148.97000000
20° 22.800' S	148° 57.600' E	-20.38000000	148.96000000
<b>Credlin Reefs (20-287 and 20- 288) to Boulton Reef (20-146) complex</b>			
<b>HP-20-5198</b>			
20° 25.200' S	150° 07.200' E	-20.42000000	150.12000000
20° 25.201' S	150° 18.006' E	-20.42001667	150.30010000
20° 25.201' S	150° 18.867' E	-20.42001667	150.31445000
20° 28.743' S	150° 18.867' E	-20.47905000	150.31445000
20° 31.200' S	150° 16.971' E	-20.52000000	150.28285000
20° 31.200' S	150° 15.600' E	-20.52000000	150.26000000
20° 33.600' S	150° 10.800' E	-20.56000000	150.18000000
20° 35.244' S	150° 09.704' E	-20.58740000	150.16173333
20° 36.740' S	150° 06.747' E	-20.61233333	150.11245000
20° 36.000' S	150° 00.000' E	-20.60000000	150.00000000
20° 34.800' S	149° 54.768' E	-20.58000000	149.91280000
20° 32.842' S	149° 54.768' E	-20.54736667	149.91280000
20° 30.918' S	149° 56.682' E	-20.51530000	149.94470000
20° 30.918' S	150° 04.378' E	-20.51530000	150.07296667
20° 29.561' S	150° 07.200' E	-20.49268333	150.12000000
<b>Inomas Island Reef (20-234), Fairlight Rock (20-235), St. Helen Rock (20- 236) and Dead Dog Island Reef (20-836)</b>			
<b>HP-20-5199</b>			
20° 30.480' S	149° 07.200' E	-20.50800000	149.12000000
20° 30.480' S	149° 08.280' E	-20.50800000	149.13800000
20° 33.600' S	149° 08.280' E	-20.56000000	149.13800000
20° 33.600' S	149° 04.680' E	-20.56000000	149.07800000
20° 33.499' S	149° 04.680' E	-20.55831667	149.07800000
20° 33.499' S	149° 04.533' E	-20.55831667	149.07555000
20° 33.349' S	149° 04.398' E	-20.55581667	149.07330000
20° 33.111' S	149° 04.398' E	-20.55185000	149.07330000
20° 32.970' S	149° 04.479' E	-20.54950000	149.07465000
20° 32.904' S	149° 04.652' E	-20.54840000	149.07753333
20° 32.406' S	149° 04.652' E	-20.54010000	149.07753333

20° 32.406' S	149° 06.000' E	-20.54010000	149.10000000
<b>HP-20-5200</b>	<b>Creal Reef (20-297)</b>		
20° 31.200' S	150° 22.428' E	-20.52000000	150.37380000
20° 31.200' S	150° 23.200' E	-20.52000000	150.38666667
20° 31.600' S	150° 23.601' E	-20.52666667	150.39335000
20° 32.800' S	150° 23.601' E	-20.54666667	150.39335000
20° 32.800' S	150° 22.399' E	-20.54666667	150.37331667
20° 32.415' S	150° 22.016' E	-20.54025000	150.36693333
20° 31.626' S	150° 22.016' E	-20.52710000	150.36693333
<b>HP-20-5201</b>	<b>Parker Reef (20-266)</b>		
20° 32.002' S	149° 44.400' E	-20.53336667	149.74000000
20° 32.002' S	149° 45.600' E	-20.53336667	149.76000000
20° 33.200' S	149° 45.600' E	-20.55333333	149.76000000
20° 33.200' S	149° 44.800' E	-20.55333333	149.74666667
20° 32.800' S	149° 44.400' E	-20.54666667	149.74000000
	<b>Coie Reef (20-301a and b), Warland Reef (20-298), Southampton Reef (20-299), Chauvel Reefs (20-307 and 20-308) complex</b>		
<b>HP-20-5202</b>			
20° 32.400' S	150° 25.200' E	-20.54000000	150.42000000
20° 36.000' S	150° 28.800' E	-20.60000000	150.48000000
20° 38.400' S	150° 28.800' E	-20.64000000	150.48000000
20° 38.400' S	150° 30.000' E	-20.64000000	150.50000000
20° 43.179' S	150° 30.000' E	-20.71965000	150.50000000
20° 48.003' S	150° 32.396' E	-20.80005000	150.53993333
20° 51.480' S	150° 26.400' E	-20.85800000	150.44000000
20° 52.499' S	150° 22.485' E	-20.87498333	150.37475000
20° 52.499' S	150° 20.985' E	-20.87498333	150.34975000
20° 51.519' S	150° 20.985' E	-20.85865000	150.34975000
20° 51.519' S	150° 18.235' E	-20.85865000	150.30391667
20° 50.248' S	150° 18.235' E	-20.83746667	150.30391667
20° 48.498' S	150° 20.985' E	-20.80830000	150.34975000
20° 47.245' S	150° 24.486' E	-20.78741667	150.40810000
20° 47.245' S	150° 26.504' E	-20.78741667	150.44173333
20° 45.486' S	150° 26.638' E	-20.75810000	150.44396667
20° 40.807' S	150° 26.396' E	-20.68011667	150.43993333
20° 38.400' S	150° 25.200' E	-20.64000000	150.42000000
20° 38.400' S	150° 24.000' E	-20.64000000	150.40000000
20° 40.800' S	150° 21.600' E	-20.68000000	150.36000000
20° 40.800' S	150° 15.600' E	-20.68000000	150.26000000
20° 43.179' S	150° 10.800' E	-20.71965000	150.18000000
20° 43.179' S	150° 09.600' E	-20.71965000	150.16000000
20° 42.020' S	150° 09.600' E	-20.70033333	150.16000000
20° 38.400' S	150° 16.800' E	-20.64000000	150.28000000
20° 38.400' S	150° 19.200' E	-20.64000000	150.32000000

**Silversmith  
Island Reef (20-  
238) and  
Coppersmith**

<b>HP-20-5203</b>			
20° 34.200' S	149° 06.000' E	-20.57000000	149.10000000
20° 34.200' S	149° 07.800' E	-20.57000000	149.13000000
20° 36.019' S	149° 07.800' E	-20.60031667	149.13000000
20° 36.438' S	149° 07.383' E	-20.60730000	149.12305000
20° 36.143' S	149° 06.574' E	-20.60238333	149.10956667
20° 35.580' S	149° 06.000' E	-20.59300000	149.10000000

**Repulse Islands:  
North Repulse  
Island Reef (20-  
208), East  
Repulse Island  
Reef (20-209)  
and South  
Repulse Island**

<b>HP-20-5204</b>			
20° 34.200' S	148° 51.205' E	-20.57000000	148.85341667
20° 34.200' S	148° 52.200' E	-20.57000000	148.87000000
20° 35.400' S	148° 53.400' E	-20.59000000	148.89000000
20° 36.600' S	148° 53.400' E	-20.61000000	148.89000000
20° 37.800' S	148° 52.800' E	-20.63000000	148.88000000
20° 37.800' S	148° 51.205' E	-20.63000000	148.85341667

**Dorsal Rock (20-  
240)**

<b>HP-20-5205</b>			
20° 34.800' S	149° 09.600' E	-20.58000000	149.16000000
20° 34.800' S	149° 10.200' E	-20.58000000	149.17000000
20° 35.400' S	149° 10.200' E	-20.59000000	149.17000000
20° 35.400' S	149° 09.600' E	-20.59000000	149.16000000

**Blackcombe  
Island Reef (20-  
242)**

<b>HP-20-5206</b>			
20° 35.599' S	149° 10.800' E	-20.59331667	149.18000000
20° 35.599' S	149° 11.600' E	-20.59331667	149.19333333
20° 36.405' S	149° 11.600' E	-20.60675000	149.19333333
20° 36.400' S	149° 10.800' E	-20.60666667	149.18000000

**Sir James Smith**

**Islands Reefs**

<b>HP-20-5207</b>			
20° 36.600' S	149° 03.000' E	-20.61000000	149.05000000
20° 36.600' S	149° 04.200' E	-20.61000000	149.07000000
20° 39.000' S	149° 09.000' E	-20.65000000	149.15000000
20° 39.000' S	149° 09.600' E	-20.65000000	149.16000000
20° 40.200' S	149° 11.999' E	-20.67000000	149.19998333
20° 41.419' S	149° 13.200' E	-20.69031667	149.22000000
20° 42.600' S	149° 13.200' E	-20.71000000	149.22000000
20° 42.600' S	149° 11.999' E	-20.71000000	149.19998333
20° 45.021' S	149° 10.200' E	-20.75035000	149.17000000
20° 45.579' S	149° 10.200' E	-20.75965000	149.17000000
20° 45.579' S	149° 09.600' E	-20.75965000	149.16000000
20° 38.979' S	149° 03.000' E	-20.64965000	149.05000000

**Carondelet Rock  
(20-244)**

**HP-20-5208**



20° 36.600' S	149° 10.560' E	-20.61000000	149.17600000
20° 36.600' S	149° 11.280' E	-20.61000000	149.18800000
20° 37.320' S	149° 11.280' E	-20.62200000	149.18800000
20° 37.320' S	149° 10.560' E	-20.62200000	149.17600000

**Geranium Shoal  
(20-249)**

<b>HP-20-5209</b>			
20° 38.400' S	149° 13.200' E	-20.64000000	149.22000000
20° 38.400' S	149° 13.800' E	-20.64000000	149.23000000
20° 39.000' S	149° 13.800' E	-20.65000000	149.23000000
20° 39.000' S	149° 13.200' E	-20.65000000	149.22000000

**Unnamed reef 20-  
332**

<b>HP-20-5210</b>			
20° 39.000' S	150° 40.800' E	-20.65000000	150.68000000
20° 39.000' S	150° 42.600' E	-20.65000000	150.71000000
20° 40.200' S	150° 42.600' E	-20.67000000	150.71000000
20° 40.200' S	150° 40.800' E	-20.67000000	150.68000000

**Midge Point  
coastal area:  
Gould Island  
Reef (20-213),  
Midge Island  
Reef (20-214)  
and unnamed  
reef 20-215**

<b>HP-20-5211</b>			
20° 39.730' S	148° 43.053' E	-20.66216667	148.71755000
20° 39.730' S	148° 44.638' E	-20.66216667	148.74396667
20° 39.730' S	148° 46.001' E	-20.66216667	148.76668333
20° 40.800' S	148° 46.001' E	-20.68000000	148.76668333
20° 41.200' S	148° 46.400' E	-20.68666667	148.77333333
20° 42.000' S	148° 46.400' E	-20.70000000	148.77333333
20° 42.000' S	148° 45.600' E	-20.70000000	148.76000000
20° 42.419' S	148° 44.800' E	-20.70698333	148.74666667
20° 42.419' S	148° 43.813' E	-20.70698333	148.73021667

**Unnamed reef 20-  
303**

<b>HP-20-5212</b>			
20° 42.000' S	150° 23.400' E	-20.70000000	150.39000000
20° 42.000' S	150° 25.200' E	-20.70000000	150.42000000
20° 43.800' S	150° 25.200' E	-20.73000000	150.42000000
20° 43.800' S	150° 22.800' E	-20.73000000	150.38000000
20° 42.621' S	150° 22.800' E	-20.71035000	150.38000000

**Wigton Island  
Reef (20-262)**

<b>HP-20-5213</b>			
20° 43.200' S	149° 27.600' E	-20.72000000	149.46000000
20° 43.200' S	149° 28.800' E	-20.72000000	149.48000000
20° 44.421' S	149° 30.000' E	-20.74035000	149.50000000
20° 45.600' S	149° 28.800' E	-20.76000000	149.48000000
20° 45.600' S	149° 27.600' E	-20.76000000	149.46000000

**Hempel Rock  
Reef (20-256)  
and Coffin  
Island Reef (20-  
261)**

<b>HP-20-5214</b>			
20° 43.601' S	149° 13.200' E	-20.72668333	149.22000000
20° 43.601' S	149° 14.400' E	-20.72668333	149.24000000
20° 44.400' S	149° 14.400' E	-20.74000000	149.24000000
20° 44.400' S	149° 13.200' E	-20.74000000	149.22000000

**Finger and  
Thumb Island  
Reefs (20-265)**

**HP-20-5215**

20° 45.034' S	149° 12.942' E	-20.75056667	149.21570000
20° 45.034' S	149° 13.541' E	-20.75056667	149.22568333
20° 45.634' S	149° 13.541' E	-20.76056667	149.22568333
20° 45.634' S	149° 12.942' E	-20.76056667	149.21570000

**Silloth Rocks (20-  
263)**

**HP-20-5216**

20° 45.199' S	149° 25.601' E	-20.75331667	149.42668333
20° 45.199' S	149° 26.400' E	-20.75331667	149.44000000
20° 45.600' S	149° 26.800' E	-20.76000000	149.44666667
20° 46.821' S	149° 26.800' E	-20.78035000	149.44666667
20° 46.821' S	149° 26.001' E	-20.78035000	149.43335000
20° 46.400' S	149° 25.601' E	-20.77333333	149.42668333

**Calder Island  
Reef (20-289)**

**HP-20-5217**

20° 45.199' S	149° 36.801' E	-20.75331667	149.61335000
20° 45.199' S	149° 37.599' E	-20.75331667	149.62665000
20° 46.001' S	149° 38.000' E	-20.76668333	149.63333333
20° 46.821' S	149° 38.000' E	-20.78035000	149.63333333
20° 47.200' S	149° 37.599' E	-20.78666667	149.62665000
20° 47.200' S	149° 36.400' E	-20.78666667	149.60666667
20° 46.001' S	149° 36.400' E	-20.76668333	149.60666667

**Cockermouth  
Island Reef (20-  
269)**

**HP-20-5218**

20° 45.600' S	149° 22.800' E	-20.76000000	149.38000000
20° 45.600' S	149° 24.600' E	-20.76000000	149.41000000
20° 46.200' S	149° 25.200' E	-20.77000000	149.42000000
20° 46.821' S	149° 25.200' E	-20.78035000	149.42000000
20° 48.021' S	149° 24.000' E	-20.80035000	149.40000000
20° 47.398' S	149° 22.800' E	-20.78996667	149.38000000

**Unnamed reef 20-  
345**

**HP-20-5219**

20° 46.800' S	150° 48.000' E	-20.78000000	150.80000000
20° 46.800' S	150° 49.200' E	-20.78000000	150.82000000
20° 47.283' S	150° 49.685' E	-20.78805000	150.82808333
20° 48.000' S	150° 49.681' E	-20.80000000	150.82801667
20° 48.000' S	150° 48.000' E	-20.80000000	150.80000000

**Carpet Snake  
Island Reef (20-  
222) coastal area**

**HP-20-5220**

20° 48.800' S	148° 49.965' E	-20.81333333	148.83275000
20° 48.800' S	148° 50.799' E	-20.81333333	148.84665000
20° 49.200' S	148° 51.200' E	-20.82000000	148.85333333
20° 50.075' S	148° 51.200' E	-20.83458333	148.85333333
20° 50.075' S	148° 50.451' E	-20.83458333	148.84085000
20° 49.326' S	148° 49.965' E	-20.82210000	148.83275000

**Bolton Shoal (20-  
272)**

**HP-20-5221**

20° 50.040' S	149° 16.400' E	-20.83400000	149.27333333
20° 50.040' S	149° 17.201' E	-20.83400000	149.28668333
20° 51.221' S	149° 17.201' E	-20.85368333	149.28668333
20° 51.221' S	149° 16.800' E	-20.85368333	149.28000000

20° 50.822' S	149° 16.400' E	-20.84703333	149.27333333
	<b>Scawfell Island Reef (Refuge Bay: 20-290)</b>		
<b>HP-20-5222</b>			
20° 50.400' S	149° 35.474' E	-20.84000000	149.59123333
20° 50.400' S	149° 36.240' E	-20.84000000	149.60400000
20° 50.799' S	149° 36.238' E	-20.84665000	149.60396667
20° 52.176' S	149° 34.686' E	-20.86960000	149.57810000
20° 52.176' S	149° 34.200' E	-20.86960000	149.57000000
20° 51.389' S	149° 34.200' E	-20.85648333	149.57000000
	<b>Mud Isle coastal area</b>		
<b>HP-20-5223</b>			
20° 50.690' S	148° 52.606' E	-20.84483333	148.87676667
20° 50.690' S	148° 53.029' E	-20.84483333	148.88381667
20° 50.961' S	148° 53.036' E	-20.84935000	148.88393333
20° 51.365' S	148° 53.040' E	-20.85608333	148.88400000
20° 51.454' S	148° 53.036' E	-20.85756667	148.88393333
20° 51.594' S	148° 52.606' E	-20.85990000	148.87676667
	<b>Fantome Rocks (20-273)</b>		
<b>HP-20-5224</b>			
20° 50.801' S	149° 14.400' E	-20.84668333	149.24000000
20° 50.801' S	149° 15.201' E	-20.84668333	149.25335000
20° 52.020' S	149° 15.201' E	-20.86700000	149.25335000
20° 52.420' S	149° 14.800' E	-20.87366667	149.24666667
20° 52.420' S	149° 14.001' E	-20.87366667	149.23335000
20° 51.201' S	149° 14.001' E	-20.85335000	149.23335000
<b>HP-20-5225</b>	<b>Swain Reefs</b>		
20° 52.178' S	151° 25.200' E	-20.86963333	151.42000000
20° 52.178' S	152° 18.300' E	-20.86963333	152.30500000
20° 59.100' S	152° 18.300' E	-20.98500000	152.30500000
20° 59.100' S	152° 07.788' E	-20.98500000	152.12980000
21° 14.977' S	152° 07.788' E	-21.24961667	152.12980000
21° 14.977' S	152° 27.000' E	-21.24961667	152.45000000
21° 09.048' S	152° 27.000' E	-21.15080000	152.45000000
21° 09.048' S	152° 35.843' E	-21.15080000	152.59738333
21° 04.777' S	152° 35.843' E	-21.07961667	152.59738333
21° 04.777' S	152° 41.656' E	-21.07961667	152.69426667
21° 08.978' S	152° 41.656' E	-21.14963333	152.69426667
21° 08.978' S	152° 48.000' E	-21.14963333	152.80000000
21° 21.000' S	152° 48.000' E	-21.35000000	152.80000000
22° 19.500' S	153° 00.002' E	-22.32500000	153.00003333
22° 39.000' S	152° 42.000' E	-22.65000000	152.70000000
22° 24.600' S	152° 42.000' E	-22.41000000	152.70000000
22° 21.224' S	152° 44.410' E	-22.35373333	152.74016667
22° 20.533' S	152° 41.406' E	-22.34221667	152.69010000
22° 21.000' S	152° 39.000' E	-22.35000000	152.65000000
22° 16.575' S	152° 34.443' E	-22.27625000	152.57405000
22° 05.400' S	152° 34.443' E	-22.09000000	152.57405000
22° 05.400' S	152° 33.000' E	-22.09000000	152.55000000
22° 06.600' S	152° 33.000' E	-22.11000000	152.55000000
22° 07.200' S	152° 32.400' E	-22.12000000	152.54000000
22° 07.200' S	152° 28.800' E	-22.12000000	152.48000000
22° 06.000' S	152° 27.600' E	-22.10000000	152.46000000
22° 04.800' S	152° 27.600' E	-22.08000000	152.46000000
22° 03.600' S	152° 28.800' E	-22.06000000	152.48000000
22° 03.600' S	152° 29.400' E	-22.06000000	152.49000000

22° 02.172' S	152° 29.400' E	-22.03620000	152.49000000
22° 02.991' S	152° 32.409' E	-22.04985000	152.54015000
21° 58.815' S	152° 37.789' E	-21.98025000	152.62981667
21° 59.841' S	152° 38.853' E	-21.99735000	152.64755000
21° 59.468' S	152° 39.516' E	-21.99113333	152.65860000
21° 59.468' S	152° 40.435' E	-21.99113333	152.67391667
21° 55.461' S	152° 40.435' E	-21.92435000	152.67391667
21° 55.461' S	152° 36.615' E	-21.92435000	152.61025000
21° 56.391' S	152° 36.615' E	-21.93985000	152.61025000
21° 56.994' S	152° 35.475' E	-21.94990000	152.59125000
21° 56.994' S	152° 27.601' E	-21.94990000	152.46001667
21° 58.776' S	152° 25.794' E	-21.97960000	152.42990000
22° 01.191' S	152° 25.794' E	-22.01985000	152.42990000
22° 00.045' S	152° 22.200' E	-22.00075000	152.37000000
22° 01.800' S	152° 22.200' E	-22.03000000	152.37000000
22° 01.800' S	152° 19.800' E	-22.03000000	152.33000000
22° 01.200' S	152° 19.200' E	-22.02000000	152.32000000
22° 00.026' S	152° 19.200' E	-22.00043333	152.32000000
22° 00.001' S	152° 15.000' E	-22.00001667	152.25000000
22° 00.001' S	152° 14.354' E	-22.00001667	152.23923333
21° 55.019' S	152° 16.922' E	-21.91698333	152.28203333
21° 52.692' S	152° 20.058' E	-21.87820000	152.33430000
21° 52.035' S	152° 22.536' E	-21.86725000	152.37560000
21° 49.758' S	152° 27.645' E	-21.82930000	152.46075000
21° 46.167' S	152° 32.450' E	-21.76945000	152.54083333
21° 44.954' S	152° 32.450' E	-21.74923333	152.54083333
21° 44.954' S	152° 31.893' E	-21.74923333	152.53155000
21° 40.704' S	152° 32.500' E	-21.67840000	152.54166667
21° 40.704' S	152° 33.614' E	-21.67840000	152.56023333
21° 38.985' S	152° 33.614' E	-21.64975000	152.56023333
21° 31.422' S	152° 35.889' E	-21.52370000	152.59815000
21° 31.422' S	152° 31.320' E	-21.52370000	152.52200000
21° 34.188' S	152° 30.072' E	-21.56980000	152.50120000
21° 38.079' S	152° 30.072' E	-21.63465000	152.50120000
21° 38.079' S	152° 26.245' E	-21.63465000	152.43741667
21° 42.563' S	152° 24.402' E	-21.70938333	152.40670000
21° 43.652' S	152° 21.453' E	-21.72753333	152.35755000
21° 44.295' S	152° 15.000' E	-21.73825000	152.25000000
21° 30.000' S	152° 15.000' E	-21.50000000	152.25000000
21° 30.000' S	152° 03.600' E	-21.50000000	152.06000000
21° 33.000' S	152° 03.600' E	-21.55000000	152.06000000
21° 35.400' S	152° 01.200' E	-21.59000000	152.02000000
21° 35.400' S	151° 58.260' E	-21.59000000	151.97100000
21° 38.863' S	151° 56.184' E	-21.64771667	151.93640000
21° 39.915' S	151° 56.184' E	-21.66525000	151.93640000
21° 39.915' S	151° 53.959' E	-21.66525000	151.89931667
21° 37.961' S	151° 53.959' E	-21.63268333	151.89931667
21° 36.629' S	151° 53.073' E	-21.61048333	151.88455000
21° 34.055' S	151° 55.026' E	-21.56758333	151.91710000
21° 33.378' S	151° 59.474' E	-21.55630000	151.99123333
21° 31.394' S	152° 00.665' E	-21.52323333	152.01108333
21° 32.501' S	151° 56.136' E	-21.54168333	151.93560000
21° 32.501' S	151° 53.473' E	-21.54168333	151.89121667
21° 30.057' S	151° 53.473' E	-21.50095000	151.89121667
21° 30.057' S	151° 49.788' E	-21.50095000	151.82980000
21° 31.614' S	151° 49.788' E	-21.52690000	151.82980000

21° 32.901' S	151° 45.306' E	-21.54835000	151.75510000
21° 31.703' S	151° 43.310' E	-21.52838333	151.72183333
21° 30.076' S	151° 43.310' E	-21.50126667	151.72183333
21° 30.076' S	151° 40.200' E	-21.50126667	151.67000000
21° 33.000' S	151° 40.200' E	-21.55000000	151.67000000
21° 30.772' S	151° 35.386' E	-21.51286667	151.58976667
21° 30.597' S	151° 35.385' E	-21.50995000	151.58975000
21° 30.597' S	151° 35.007' E	-21.50995000	151.58345000
21° 30.042' S	151° 33.731' E	-21.50070000	151.56218333
21° 30.043' S	151° 32.994' E	-21.50071667	151.54990000
21° 21.600' S	151° 33.000' E	-21.36000000	151.55000000
21° 16.800' S	151° 29.400' E	-21.28000000	151.49000000
21° 16.785' S	151° 14.373' E	-21.27975000	151.23955000
21° 21.600' S	151° 14.400' E	-21.36000000	151.24000000
21° 23.076' S	151° 09.972' E	-21.38460000	151.16620000
21° 15.503' S	151° 03.104' E	-21.25838333	151.05173333
21° 15.477' S	151° 01.260' E	-21.25795000	151.02100000
21° 19.800' S	151° 01.200' E	-21.33000000	151.02000000
21° 24.000' S	151° 06.151' E	-21.40000000	151.10251667
21° 26.384' S	151° 06.162' E	-21.43973333	151.10270000
21° 26.384' S	150° 59.293' E	-21.43973333	150.98821667
21° 22.800' S	150° 50.400' E	-21.38000000	150.84000000
21° 22.800' S	150° 44.376' E	-21.38000000	150.73960000
21° 21.534' S	150° 42.000' E	-21.35890000	150.70000000
21° 16.800' S	150° 42.000' E	-21.28000000	150.70000000
21° 15.600' S	150° 43.200' E	-21.26000000	150.72000000
21° 19.201' S	150° 46.800' E	-21.32001667	150.78000000
21° 19.201' S	150° 52.800' E	-21.32001667	150.88000000
21° 17.998' S	150° 54.000' E	-21.29996667	150.90000000
21° 16.821' S	150° 54.000' E	-21.28035000	150.90000000
21° 14.421' S	150° 51.600' E	-21.24035000	150.86000000
21° 12.294' S	150° 51.071' E	-21.20490000	150.85118333
21° 14.136' S	150° 45.600' E	-21.23560000	150.76000000
21° 13.200' S	150° 45.600' E	-21.22000000	150.76000000
21° 12.563' S	150° 46.238' E	-21.20938333	150.77063333
21° 11.090' S	150° 49.926' E	-21.18483333	150.83210000
21° 09.609' S	150° 49.902' E	-21.16015000	150.83170000
21° 09.621' S	150° 49.179' E	-21.16035000	150.81965000
21° 09.621' S	150° 43.200' E	-21.16035000	150.72000000
21° 13.221' S	150° 38.400' E	-21.22035000	150.64000000
21° 09.621' S	150° 36.000' E	-21.16035000	150.60000000
21° 08.400' S	150° 36.000' E	-21.14000000	150.60000000
21° 00.000' S	150° 43.200' E	-21.00000000	150.72000000
21° 00.000' S	150° 44.400' E	-21.00000000	150.74000000
21° 02.400' S	150° 44.400' E	-21.04000000	150.74000000
21° 02.400' S	150° 49.440' E	-21.04000000	150.82400000
20° 59.337' S	150° 49.452' E	-20.98895000	150.82420000
20° 59.337' S	151° 16.200' E	-20.98895000	151.27000000
20° 55.777' S	151° 18.000' E	-20.92961667	151.30000000
<b>Pompey Reefs</b>			
<b>(unnamed reefs</b>			
<b>20-349, 20-352,</b>			
<b>21-056, 21-057</b>			
<b>and 21-060)</b>			
<b>HP-20-5226</b>			
20° 52.800' S	150° 37.200' E	-20.88000000	150.62000000
20° 56.391' S	150° 41.988' E	-20.93985000	150.69980000

20° 57.622' S	150° 40.800' E	-20.96036667	150.68000000
21° 01.221' S	150° 36.000' E	-21.02035000	150.60000000
21° 06.021' S	150° 32.400' E	-21.10035000	150.54000000
21° 09.621' S	150° 30.000' E	-21.16035000	150.50000000
21° 09.621' S	150° 28.800' E	-21.16035000	150.48000000
21° 07.221' S	150° 24.000' E	-21.12035000	150.40000000
21° 04.821' S	150° 22.800' E	-21.08035000	150.38000000
21° 03.600' S	150° 24.000' E	-21.06000000	150.40000000
21° 03.600' S	150° 27.600' E	-21.06000000	150.46000000
21° 02.400' S	150° 30.000' E	-21.04000000	150.50000000
21° 01.936' S	150° 30.000' E	-21.03226667	150.50000000
21° 01.936' S	150° 34.293' E	-21.03226667	150.57155000
20° 54.000' S	150° 34.293' E	-20.90000000	150.57155000
20° 54.000' S	150° 36.000' E	-20.90000000	150.60000000

**Cape**

**Hillsborough**

**HP-20-5227 coastal area**

20° 54.393' S	149° 02.943' E	-20.90655000	149.04905000
20° 55.355' S	149° 03.792' E	-20.92258333	149.06320000
20° 55.628' S	149° 03.665' E	-20.92713333	149.06108333

**Hyde Rock (20-276)**

20° 54.600' S	149° 21.001' E	-20.91000000	149.35001667
20° 54.600' S	149° 21.600' E	-20.91000000	149.36000000
20° 55.221' S	149° 21.600' E	-20.92035000	149.36000000
20° 55.221' S	149° 21.001' E	-20.92035000	149.35001667

**Three Rocks (20-291)**

20° 56.400' S	149° 44.001' E	-20.94000000	149.73335000
20° 56.400' S	149° 44.800' E	-20.94000000	149.74666667
20° 57.622' S	149° 44.800' E	-20.96036667	149.74666667
20° 57.622' S	149° 43.600' E	-20.96036667	149.72666667
20° 56.800' S	149° 43.600' E	-20.94666667	149.72666667

**Derwent Island**

**Reef (20-292) and Skull Rock (20-293)**

20° 58.800' S	149° 46.001' E	-20.98000000	149.76668333
20° 58.800' S	149° 48.400' E	-20.98000000	149.80666667
20° 59.621' S	149° 48.400' E	-20.99368333	149.80666667
20° 59.621' S	149° 46.001' E	-20.99368333	149.76668333

**Unnamed reef 21-**

21° 00.000' S	150° 23.400' E	-21.00000000	150.39000000
21° 02.421' S	150° 23.400' E	-21.04035000	150.39000000
21° 02.421' S	150° 21.600' E	-21.04035000	150.36000000
21° 01.800' S	150° 21.000' E	-21.03000000	150.35000000
21° 01.200' S	150° 21.000' E	-21.02000000	150.35000000

**Bailey Islet Reef**

21° 01.200' S	149° 32.399' E	-21.02000000	149.53998333
21° 01.200' S	149° 33.000' E	-21.02000000	149.55000000
21° 01.800' S	149° 33.600' E	-21.03000000	149.56000000
21° 02.421' S	149° 33.600' E	-21.04035000	149.56000000
21° 02.421' S	149° 32.399' E	-21.04035000	149.53998333

	<b>Oom Shoal (21-002)</b>		
<b>HP-21-5233</b>			
21° 02.800' S	149° 17.599' E	-21.04666667	149.29331667
21° 02.800' S	149° 18.801' E	-21.04666667	149.31335000
21° 03.210' S	149° 19.189' E	-21.05350000	149.31981667
21° 03.979' S	149° 18.400' E	-21.06631667	149.30666667
21° 03.979' S	149° 17.599' E	-21.06631667	149.29331667
	<b>Prince Reef (21-054)</b>		
<b>HP-21-5234</b>			
21° 03.200' S	150° 15.201' E	-21.05333333	150.25335000
21° 03.200' S	150° 16.001' E	-21.05333333	150.26668333
21° 04.399' S	150° 16.001' E	-21.07331667	150.26668333
21° 04.399' S	150° 14.799' E	-21.07331667	150.24665000
21° 03.600' S	150° 14.799' E	-21.06000000	150.24665000
	<b>Snare Peak Island Reef (21-027)</b>		
<b>HP-21-5235</b>			
21° 05.601' S	149° 55.601' E	-21.09335000	149.92668333
21° 05.601' S	149° 56.800' E	-21.09335000	149.94666667
21° 06.400' S	149° 56.800' E	-21.10666667	149.94666667
21° 06.800' S	149° 56.400' E	-21.11333333	149.94000000
21° 06.800' S	149° 55.999' E	-21.11333333	149.93331667
21° 06.400' S	149° 55.601' E	-21.10666667	149.92668333
	<b>Snare Rocks (21-028a and b)</b>		
<b>HP-21-5236</b>			
21° 06.000' S	149° 57.201' E	-21.10000000	149.95335000
21° 06.000' S	149° 58.401' E	-21.10000000	149.97335000
21° 06.820' S	149° 58.401' E	-21.11366667	149.97335000
21° 06.820' S	149° 58.000' E	-21.11366667	149.96666667
21° 07.221' S	149° 57.600' E	-21.12035000	149.96000000
21° 07.221' S	149° 56.800' E	-21.12035000	149.94666667
21° 06.400' S	149° 56.800' E	-21.10666667	149.94666667
	<b>Alarm Reef (21-055)</b>		
<b>HP-21-5237</b>			
21° 06.400' S	150° 14.001' E	-21.10666667	150.23335000
21° 06.400' S	150° 14.799' E	-21.10666667	150.24665000
21° 07.200' S	150° 14.799' E	-21.12000000	150.24665000
21° 07.200' S	150° 14.001' E	-21.12000000	150.23335000
	<b>Mackay coastal area: Downward Patches west (unnamed reefs 21-005a, b, c, d and e), Flat Top Island Reef (21-007), Taroba Rock (21-008), Round Top Island Reef (21-009), Oyster Rock (21-010) and Reichelmann Rock (21-011)</b>		
<b>HP-21-5238</b>			
21° 06.600' S	149° 17.400' E	-21.11000000	149.29000000

21° 07.200' S	149° 18.000' E	-21.12000000	149.30000000
21° 10.221' S	149° 18.000' E	-21.17035000	149.30000000
21° 10.821' S	149° 17.400' E	-21.18035000	149.29000000
21° 10.821' S	149° 16.800' E	-21.18035000	149.28000000
21° 11.121' S	149° 16.374' E	-21.18535000	149.27290000
21° 12.789' S	149° 11.672' E	-21.21315000	149.19453333
21° 08.916' S	149° 12.802' E	-21.14860000	149.21336667
21° 08.916' S	149° 16.166' E	-21.14860000	149.26943333
21° 06.602' S	149° 16.479' E	-21.11003333	149.27465000

**Downward  
Patches East (21-  
005f and g)**

<b>HP-21-5239</b>			
21° 09.240' S	149° 18.600' E	-21.15400000	149.31000000
21° 09.240' S	149° 19.320' E	-21.15400000	149.32200000
21° 09.885' S	149° 19.312' E	-21.16475000	149.32186667
21° 10.221' S	149° 18.960' E	-21.17035000	149.31600000
21° 10.701' S	149° 18.960' E	-21.17835000	149.31600000
21° 10.698' S	149° 18.240' E	-21.17830000	149.30400000
21° 10.080' S	149° 18.240' E	-21.16800000	149.30400000
21° 09.720' S	149° 18.600' E	-21.16200000	149.31000000

**Overfall Rock**

<b>HP-21-5240 (21-029)</b>			
21° 15.748' S	149° 37.485' E	-21.26246667	149.62475000
21° 15.748' S	149° 38.236' E	-21.26246667	149.63726667
21° 16.248' S	149° 38.236' E	-21.27080000	149.63726667
21° 16.248' S	149° 37.485' E	-21.27080000	149.62475000

**Prudhoe Island  
Reef (21-031 and**

<b>HP-21-5241 (21-032)</b>			
21° 17.600' S	149° 39.600' E	-21.29333333	149.66000000
21° 17.600' S	149° 40.800' E	-21.29333333	149.68000000
21° 18.401' S	149° 42.000' E	-21.30668333	149.70000000
21° 18.800' S	149° 42.401' E	-21.31333333	149.70668333
21° 19.620' S	149° 42.401' E	-21.32700000	149.70668333
21° 20.021' S	149° 42.000' E	-21.33368333	149.70000000
21° 21.199' S	149° 39.999' E	-21.35331667	149.66665000
21° 21.199' S	149° 39.201' E	-21.35331667	149.65335000
21° 18.401' S	149° 39.201' E	-21.30668333	149.65335000

**South Overfall  
Rock (21-030)**

<b>HP-21-5242</b>			
21° 17.748' S	149° 38.485' E	-21.29580000	149.64141667
21° 17.748' S	149° 38.985' E	-21.29580000	149.64975000
21° 18.247' S	149° 38.985' E	-21.30411667	149.64975000
21° 18.247' S	149° 38.485' E	-21.30411667	149.64141667

**Sarina coastal  
area: Victor  
Island Reef (21-**

<b>HP-21-5243 (21-015 and 21-016)</b>			
21° 17.907' S	149° 20.058' E	-21.29845000	149.33430000
21° 23.519' S	149° 20.058' E	-21.39198333	149.33430000
21° 23.519' S	149° 18.872' E	-21.39198333	149.31453333
21° 17.907' S	149° 17.565' E	-21.29845000	149.29275000

**Double Island  
Reef (21-034)  
and Lloyd Shoal**

**HP-21-5244 (21-035)**



21° 21.600' S	149° 48.600' E	-21.36000000	149.81000000
21° 21.600' S	149° 49.800' E	-21.36000000	149.83000000
21° 22.200' S	149° 51.000' E	-21.37000000	149.85000000
21° 23.421' S	149° 51.000' E	-21.39035000	149.85000000
21° 23.421' S	149° 49.800' E	-21.39035000	149.83000000
21° 23.015' S	149° 48.987' E	-21.38358333	149.81645000
21° 23.998' S	149° 48.486' E	-21.39996667	149.80810000
21° 23.998' S	149° 47.985' E	-21.39996667	149.79975000
21° 23.497' S	149° 47.985' E	-21.39161667	149.79975000
21° 22.269' S	149° 48.600' E	-21.37115000	149.81000000

**Reid Islet Reef**

**HP-21-5245**

**(21-033)**

21° 21.999' S	149° 39.986' E	-21.36665000	149.66643333
21° 22.476' S	149° 39.986' E	-21.37460000	149.66643333
21° 22.476' S	149° 38.985' E	-21.37460000	149.64975000
21° 22.017' S	149° 38.985' E	-21.36695000	149.64975000

**Viscount Shoals**

**HP-21-5246**

**East (21-036b)**

21° 22.800' S	149° 36.000' E	-21.38000000	149.60000000
21° 22.800' S	149° 36.801' E	-21.38000000	149.61335000
21° 23.200' S	149° 37.200' E	-21.38666667	149.62000000
21° 26.019' S	149° 37.200' E	-21.43365000	149.62000000
21° 26.820' S	149° 36.801' E	-21.44700000	149.61335000
21° 26.820' S	149° 36.000' E	-21.44700000	149.60000000
21° 26.400' S	149° 35.601' E	-21.44000000	149.59335000
21° 23.218' S	149° 35.601' E	-21.38696667	149.59335000

**Viscount Shoals**

**West (21-036a**

**HP-21-5247**

**and c)**

21° 22.800' S	149° 33.600' E	-21.38000000	149.56000000
21° 22.800' S	149° 34.800' E	-21.38000000	149.58000000
21° 27.220' S	149° 34.800' E	-21.45366667	149.58000000
21° 27.600' S	149° 34.440' E	-21.46000000	149.57400000
21° 27.600' S	149° 34.800' E	-21.46000000	149.58000000
21° 28.000' S	149° 35.200' E	-21.46666667	149.58666667
21° 29.621' S	149° 35.200' E	-21.49368333	149.58666667
21° 29.621' S	149° 34.399' E	-21.49368333	149.57331667
21° 28.420' S	149° 34.001' E	-21.47366667	149.56668333
21° 27.600' S	149° 34.001' E	-21.46000000	149.56668333
21° 27.600' S	149° 33.600' E	-21.46000000	149.56000000
21° 27.178' S	149° 33.200' E	-21.45296667	149.55333333
21° 23.200' S	149° 33.200' E	-21.38666667	149.55333333

**Freshwater**

**Point coastal**

**HP-21-5248**

**area**

21° 24.360' S	149° 19.560' E	-21.40600000	149.32600000
21° 24.360' S	149° 20.280' E	-21.40600000	149.33800000
21° 25.680' S	149° 20.640' E	-21.42800000	149.34400000
21° 26.301' S	149° 20.640' E	-21.43835000	149.34400000
21° 26.301' S	149° 19.800' E	-21.43835000	149.33000000
21° 25.668' S	149° 19.800' E	-21.42780000	149.33000000
21° 24.756' S	149° 19.560' E	-21.41260000	149.32600000

**Cullen Islet Reef**

**HP-21-5249**

**(21-020)**

21° 24.799' S	149° 28.800' E	-21.41331667	149.48000000
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21° 24.799' S	149° 30.000' E	-21.41331667	149.50000000
21° 26.019' S	149° 30.000' E	-21.43365000	149.50000000
21° 26.019' S	149° 29.199' E	-21.43365000	149.48665000
21° 25.599' S	149° 28.800' E	-21.42665000	149.48000000

**Renou Islet Reef  
(21-037) and  
Jack Rock (21-  
038)**

<b>HP-21-5250</b>			
21° 25.599' S	149° 48.407' E	-21.42665000	149.80678333
21° 25.599' S	149° 49.601' E	-21.42665000	149.82668333
21° 26.400' S	149° 49.601' E	-21.44000000	149.82668333
21° 26.400' S	149° 48.400' E	-21.44000000	149.80666667

**Knight Island  
Reef (21-039),  
Charles Rock  
(21-042) and  
Festing Shoal  
(21-041)**

<b>HP-21-5251</b>			
21° 25.800' S	149° 42.000' E	-21.43000000	149.70000000
21° 25.800' S	149° 43.200' E	-21.43000000	149.72000000
21° 26.400' S	149° 43.800' E	-21.44000000	149.73000000
21° 28.223' S	149° 43.800' E	-21.47038333	149.73000000
21° 28.223' S	149° 42.599' E	-21.47038333	149.70998333
21° 28.800' S	149° 42.599' E	-21.48000000	149.70998333
21° 28.800' S	149° 41.400' E	-21.48000000	149.69000000
21° 27.600' S	149° 41.400' E	-21.46000000	149.69000000
21° 27.000' S	149° 42.000' E	-21.45000000	149.70000000

**Beverly Group  
North: Minister  
Island Reef (21-  
040), Beverlac  
Island Reef (21-  
044) and Hull  
Island Reef (21-  
045)**

<b>HP-21-5252</b>			
21° 25.999' S	149° 50.001' E	-21.43331667	149.83335000
21° 25.999' S	149° 51.200' E	-21.43331667	149.85333333
21° 26.400' S	149° 52.000' E	-21.44000000	149.86666667
21° 26.800' S	149° 52.000' E	-21.44666667	149.86666667
21° 26.800' S	149° 52.401' E	-21.44666667	149.87335000
21° 27.600' S	149° 53.601' E	-21.46000000	149.89335000
21° 28.420' S	149° 53.601' E	-21.47366667	149.89335000
21° 28.420' S	149° 52.401' E	-21.47366667	149.87335000
21° 28.022' S	149° 52.401' E	-21.46703333	149.87335000
21° 27.621' S	149° 52.000' E	-21.46035000	149.86666667
21° 27.200' S	149° 52.000' E	-21.45333333	149.86666667
21° 27.200' S	149° 50.001' E	-21.45333333	149.83335000

**Irving Island  
Reef (21-021)**

<b>HP-21-5253</b>			
21° 26.800' S	149° 26.800' E	-21.44666667	149.44666667
21° 26.800' S	149° 28.000' E	-21.44666667	149.46666667
21° 28.022' S	149° 28.000' E	-21.46703333	149.46666667
21° 28.022' S	149° 27.202' E	-21.46703333	149.45336667
21° 27.600' S	149° 26.800' E	-21.46000000	149.44666667

**Beaver Shoal (21-  
043)**

**HP-21-5254**

21° 27.498' S	149° 49.485' E	-21.45830000	149.82475000
21° 27.498' S	149° 49.986' E	-21.45830000	149.83310000
21° 28.018' S	149° 49.986' E	-21.46696667	149.83310000
21° 28.499' S	149° 49.485' E	-21.47498333	149.82475000
21° 28.499' S	149° 48.985' E	-21.47498333	149.81641667
21° 27.998' S	149° 48.985' E	-21.46663333	149.81641667

**Phillips Reef (21-022)**

<b>HP-21-5255</b>			
21° 27.600' S	149° 29.199' E	-21.46000000	149.48665000
21° 27.600' S	149° 30.000' E	-21.46000000	149.50000000
21° 28.800' S	149° 30.000' E	-21.48000000	149.50000000
21° 28.800' S	149° 29.199' E	-21.48000000	149.48665000

**Elamang Island Reef (21-046)**

<b>HP-21-5256</b>			
21° 27.600' S	149° 39.600' E	-21.46000000	149.66000000
21° 27.600' S	149° 40.401' E	-21.46000000	149.67335000
21° 28.800' S	149° 40.401' E	-21.48000000	149.67335000
21° 28.800' S	149° 39.201' E	-21.48000000	149.65335000
21° 28.022' S	149° 39.201' E	-21.46703333	149.65335000

**Ince Bay/Temple Island Reef (21-308) coastal area**

<b>HP-21-5257</b>			
21° 28.000' S	149° 22.800' E	-21.46666667	149.38000000
21° 28.000' S	149° 24.000' E	-21.46666667	149.40000000
21° 28.800' S	149° 24.000' E	-21.48000000	149.40000000
21° 28.800' S	149° 24.600' E	-21.48000000	149.41000000
21° 30.000' S	149° 24.600' E	-21.50000000	149.41000000
21° 30.000' S	149° 26.400' E	-21.50000000	149.44000000
21° 30.600' S	149° 29.400' E	-21.51000000	149.49000000
21° 31.800' S	149° 29.400' E	-21.53000000	149.49000000
21° 33.024' S	149° 29.680' E	-21.55040000	149.49466667
21° 35.397' S	149° 29.201' E	-21.58995000	149.48668333
21° 35.397' S	149° 30.600' E	-21.58995000	149.51000000
21° 36.621' S	149° 30.600' E	-21.61035000	149.51000000
21° 36.621' S	149° 28.200' E	-21.61035000	149.47000000
21° 35.962' S	149° 27.563' E	-21.59936667	149.45938333
21° 29.794' S	149° 22.800' E	-21.49656667	149.38000000

**Northumberland Island Reefs**

<b>HP-21-5258</b>			
21° 28.248' S	149° 54.236' E	-21.47080000	149.90393333
21° 28.248' S	149° 55.735' E	-21.47080000	149.92891667
21° 29.248' S	149° 55.735' E	-21.48746667	149.92891667
21° 29.248' S	149° 56.235' E	-21.48746667	149.93725000
21° 29.748' S	149° 56.235' E	-21.49580000	149.93725000
21° 30.000' S	149° 56.400' E	-21.50000000	149.94000000
21° 30.000' S	149° 58.518' E	-21.50000000	149.97530000
21° 32.754' S	149° 58.518' E	-21.54590000	149.97530000
21° 32.754' S	150° 25.360' E	-21.54590000	150.42266667
21° 55.800' S	150° 42.678' E	-21.93000000	150.71130000
22° 06.741' S	150° 42.678' E	-22.11235000	150.71130000
22° 06.741' S	150° 28.799' E	-22.11235000	150.47998333
22° 12.300' S	150° 28.799' E	-22.20500000	150.47998333
22° 13.233' S	150° 28.160' E	-22.22055000	150.46933333
22° 13.484' S	150° 27.819' E	-22.22473333	150.46365000

22° 17.940' S	150° 25.239' E	-22.29900000	150.42065000
22° 17.657' S	150° 09.591' E	-22.29428333	150.15985000
22° 20.658' S	149° 54.805' E	-22.34430000	149.91341667
22° 14.589' S	149° 51.440' E	-22.24315000	149.85733333
22° 09.425' S	149° 51.440' E	-22.15708333	149.85733333
22° 09.425' S	149° 51.876' E	-22.15708333	149.86460000
22° 08.428' S	149° 52.149' E	-22.14046667	149.86915000
22° 08.428' S	149° 51.833' E	-22.14046667	149.86388333
22° 02.751' S	149° 51.833' E	-22.04585000	149.86388333
22° 02.751' S	149° 55.536' E	-22.04585000	149.92560000
21° 54.137' S	149° 55.536' E	-21.90228333	149.92560000
21° 54.137' S	150° 02.644' E	-21.90228333	150.04406667
21° 57.414' S	150° 05.848' E	-21.95690000	150.09746667
21° 55.965' S	150° 07.338' E	-21.93275000	150.12230000
21° 55.965' S	150° 08.153' E	-21.93275000	150.13588333
21° 54.589' S	150° 08.094' E	-21.90981667	150.13490000
21° 54.589' S	150° 07.519' E	-21.90981667	150.12531667
21° 43.680' S	150° 07.519' E	-21.72800000	150.12531667
21° 43.680' S	149° 58.800' E	-21.72800000	149.98000000
21° 38.400' S	149° 58.800' E	-21.64000000	149.98000000
21° 38.400' S	149° 54.001' E	-21.64000000	149.90001667
21° 51.385' S	149° 42.195' E	-21.85641667	149.70325000
21° 44.421' S	149° 40.800' E	-21.74035000	149.68000000
21° 44.421' S	149° 40.200' E	-21.74035000	149.67000000
21° 43.821' S	149° 39.600' E	-21.73035000	149.66000000
21° 40.821' S	149° 39.600' E	-21.68035000	149.66000000
21° 40.221' S	149° 39.000' E	-21.67035000	149.65000000
21° 38.737' S	149° 39.000' E	-21.64561667	149.65000000
21° 38.718' S	149° 39.000' E	-21.64530000	149.65000000
21° 33.191' S	149° 44.690' E	-21.55318333	149.74483333
21° 33.181' S	149° 51.307' E	-21.55301667	149.85511667
21° 30.016' S	149° 51.304' E	-21.50026667	149.85506667
21° 30.016' S	149° 52.798' E	-21.50026667	149.87996667
21° 29.748' S	149° 53.235' E	-21.49580000	149.88725000
21° 28.747' S	149° 53.235' E	-21.47911667	149.88725000
21° 28.747' S	149° 54.236' E	-21.47911667	149.90393333

**Unnamed reef 21-**

<b>HP-21-5260</b>	<b>476</b>		
21° 32.497' S	152° 11.485' E	-21.54161667	152.19141667
21° 32.497' S	152° 12.735' E	-21.54161667	152.21225000
21° 33.498' S	152° 12.735' E	-21.55830000	152.21225000
21° 33.998' S	152° 12.235' E	-21.56663333	152.20391667
21° 33.998' S	152° 10.485' E	-21.56663333	152.17475000
21° 33.498' S	152° 10.485' E	-21.55830000	152.17475000

**Unnamed reef 21-**

<b>HP-21-5261</b>	<b>443</b>		
21° 33.255' S	151° 41.711' E	-21.55425000	151.69518333
21° 33.255' S	151° 43.176' E	-21.55425000	151.71960000
21° 34.632' S	151° 43.176' E	-21.57720000	151.71960000
21° 34.632' S	151° 41.711' E	-21.57720000	151.69518333

**Unnamed reefs**

**21-445 and 21-**

<b>HP-21-5262</b>	<b>451</b>		
21° 34.055' S	151° 46.015' E	-21.56758333	151.76691667
21° 34.055' S	151° 47.524' E	-21.56758333	151.79206667
21° 36.363' S	151° 49.389' E	-21.60605000	151.82315000

21° 39.913' S	151° 49.389' E	-21.66521667	151.82315000
21° 39.913' S	151° 45.483' E	-21.66521667	151.75805000
21° 36.007' S	151° 44.995' E	-21.60011667	151.74991667

**Unnamed reef 21-**

<b>HP-21-5263</b>	<b>488</b>		
21° 34.800' S	152° 04.399' E	-21.58000000	152.07331667
21° 34.800' S	152° 05.202' E	-21.58000000	152.08670000
21° 35.201' S	152° 05.601' E	-21.58668333	152.09335000
21° 36.000' S	152° 05.601' E	-21.60000000	152.09335000
21° 36.400' S	152° 05.202' E	-21.60666667	152.08670000
21° 36.400' S	152° 03.600' E	-21.60666667	152.06000000
21° 35.599' S	152° 03.600' E	-21.59331667	152.06000000

**Unnamed reef 21-**

<b>HP-21-5264</b>	<b>489</b>		
21° 35.599' S	152° 11.201' E	-21.59331667	152.18668333
21° 35.599' S	152° 12.399' E	-21.59331667	152.20665000
21° 36.400' S	152° 12.399' E	-21.60666667	152.20665000
21° 36.400' S	152° 13.200' E	-21.60666667	152.22000000
21° 37.200' S	152° 13.200' E	-21.62000000	152.22000000
21° 37.200' S	152° 10.800' E	-21.62000000	152.18000000
21° 36.000' S	152° 10.800' E	-21.60000000	152.18000000

**Marion coastal**

<b>HP-21-5266</b>	<b>area</b>		
21° 37.311' S	149° 26.628' E	-21.62185000	149.44380000
21° 37.680' S	149° 27.000' E	-21.62800000	149.45000000
21° 39.000' S	149° 27.000' E	-21.65000000	149.45000000
21° 39.176' S	149° 27.176' E	-21.65293333	149.45293333
21° 39.833' S	149° 27.176' E	-21.66388333	149.45293333
21° 39.833' S	149° 26.656' E	-21.66388333	149.44426667

**Heralds Prong  
#2 Reef (21-459),  
unnamed reef 21-**

<b>HP-21-5267</b>	<b>457 and 21-458</b>		
21° 37.392' S	151° 26.400' E	-21.62320000	151.44000000
21° 37.392' S	151° 28.621' E	-21.62320000	151.47701667
21° 39.597' S	151° 31.065' E	-21.65995000	151.51775000
21° 39.601' S	151° 38.783' E	-21.66001667	151.64638333
21° 40.979' S	151° 38.783' E	-21.68298333	151.64638333
21° 40.979' S	151° 36.246' E	-21.68298333	151.60410000
21° 47.235' S	151° 38.028' E	-21.78725000	151.63380000
21° 47.235' S	151° 34.876' E	-21.78725000	151.58126667
21° 38.627' S	151° 26.400' E	-21.64378333	151.44000000

**Unnamed reef 21-**

<b>HP-21-5268</b>	<b>493</b>		
21° 37.600' S	152° 06.000' E	-21.62666667	152.10000000
21° 37.600' S	152° 06.801' E	-21.62666667	152.11335000
21° 38.400' S	152° 06.801' E	-21.64000000	152.11335000
21° 38.801' S	152° 06.399' E	-21.64668333	152.10665000
21° 38.801' S	152° 05.601' E	-21.64668333	152.09335000
21° 38.000' S	152° 05.601' E	-21.63333333	152.09335000

**Unnamed reef 21-**

<b>HP-21-5271</b>	<b>456</b>		
21° 38.400' S	151° 57.841' E	-21.64000000	151.96401667
21° 38.400' S	151° 58.800' E	-21.64000000	151.98000000
21° 39.601' S	151° 58.800' E	-21.66001667	151.98000000

21° 39.601' S	151° 57.841' E	-21.66001667	151.96401667
<b>HP-21-5272</b>	<b>Unnamed reef 21-453</b>		
21° 38.412' S	151° 40.200' E	-21.64020000	151.67000000
21° 38.412' S	151° 42.681' E	-21.64020000	151.71135000
21° 40.260' S	151° 42.681' E	-21.67100000	151.71135000
21° 40.260' S	151° 40.200' E	-21.67100000	151.67000000
21° 39.601' S	151° 40.200' E	-21.66001667	151.67000000
<b>HP-21-5274</b>	<b>Torch Shoal (21-347)</b>		
21° 39.621' S	149° 31.800' E	-21.66035000	149.53000000
21° 39.621' S	149° 33.000' E	-21.66035000	149.55000000
21° 43.200' S	149° 33.000' E	-21.72000000	149.55000000
21° 43.200' S	149° 31.800' E	-21.72000000	149.53000000
<b>HP-21-5275</b>	<b>Marion Rock (21-311)</b>		
21° 39.651' S	149° 28.115' E	-21.66085000	149.46858333
21° 39.651' S	149° 28.614' E	-21.66085000	149.47690000
21° 40.152' S	149° 28.616' E	-21.66920000	149.47693333
21° 40.152' S	149° 28.115' E	-21.66920000	149.46858333
<b>HP-21-5276</b>	<b>Bull Rock (21-344) and Ridge Island Reef (21-345)</b>		
21° 39.861' S	149° 37.440' E	-21.66435000	149.62400000
21° 39.861' S	149° 38.280' E	-21.66435000	149.63800000
21° 40.200' S	149° 38.640' E	-21.67000000	149.64400000
21° 40.941' S	149° 38.640' E	-21.68235000	149.64400000
21° 40.941' S	149° 38.160' E	-21.68235000	149.63600000
21° 40.200' S	149° 37.440' E	-21.67000000	149.62400000
<b>HP-21-5277</b>	<b>Green Hill coastal area (unnamed reef 21-312a and b)</b>		
21° 40.200' S	149° 26.995' E	-21.67000000	149.44991667
21° 40.200' S	149° 27.720' E	-21.67000000	149.46200000
21° 41.115' S	149° 27.720' E	-21.68525000	149.46200000
21° 41.115' S	149° 27.302' E	-21.68525000	149.45503333
21° 40.290' S	149° 26.995' E	-21.67150000	149.44991667
<b>HP-21-5279</b>	<b>Unnamed reef 21-504</b>		
21° 40.747' S	152° 05.235' E	-21.67911667	152.08725000
21° 40.747' S	152° 06.985' E	-21.67911667	152.11641667
21° 41.997' S	152° 06.985' E	-21.69995000	152.11641667
21° 42.998' S	152° 04.735' E	-21.71663333	152.07891667
21° 42.998' S	152° 03.735' E	-21.71663333	152.06225000
21° 41.748' S	152° 03.735' E	-21.69580000	152.06225000
<b>HP-21-5280</b>	<b>Unnamed reefs 21-460 and 21-464</b>		
21° 40.800' S	152° 13.200' E	-21.68000000	152.22000000
21° 40.800' S	152° 14.001' E	-21.68000000	152.23335000
21° 41.600' S	152° 14.001' E	-21.69333333	152.23335000
21° 41.600' S	152° 13.200' E	-21.69333333	152.22000000
<b>HP-21-5281</b>			

21° 41.200' S	151° 41.978' E	-21.68666667	151.69963333
21° 41.200' S	151° 47.347' E	-21.68666667	151.78911667
21° 47.235' S	151° 47.347' E	-21.78725000	151.78911667
21° 47.235' S	151° 46.283' E	-21.78725000	151.77138333
21° 43.596' S	151° 41.978' E	-21.72660000	151.69963333

**Unnamed reef 21-**

<b>HP-21-5282</b>	<b>461</b>		
21° 41.244' S	151° 50.853' E	-21.68740000	151.84755000
21° 41.244' S	151° 52.672' E	-21.68740000	151.87786667
21° 42.531' S	151° 52.733' E	-21.70885000	151.87888333
21° 42.531' S	151° 50.853' E	-21.70885000	151.84755000

**Unnamed reef 21-**

<b>HP-21-5283</b>	<b>462</b>		
21° 41.997' S	151° 57.735' E	-21.69995000	151.96225000
21° 41.997' S	151° 59.485' E	-21.69995000	151.99141667
21° 42.748' S	152° 00.235' E	-21.71246667	152.00391667
21° 43.747' S	152° 00.235' E	-21.72911667	152.00391667
21° 43.747' S	151° 58.737' E	-21.72911667	151.97895000
21° 42.748' S	151° 57.735' E	-21.71246667	151.96225000

**Williams Shoal**

<b>HP-21-5284</b>	<b>(21-352)</b>		
21° 43.206' S	149° 38.445' E	-21.72010000	149.64075000
21° 43.206' S	149° 38.844' E	-21.72010000	149.64740000
21° 43.596' S	149° 39.234' E	-21.72660000	149.65390000
21° 45.207' S	149° 37.644' E	-21.75345000	149.62740000
21° 45.207' S	149° 36.844' E	-21.75345000	149.61406667
21° 44.806' S	149° 36.844' E	-21.74676667	149.61406667

**Unnamed reefs**

**21-463 and 21-**

<b>HP-21-5285</b>	<b>454</b>		
21° 43.247' S	151° 56.235' E	-21.72078333	151.93725000
21° 43.247' S	151° 57.235' E	-21.72078333	151.95391667
21° 43.998' S	151° 57.986' E	-21.73330000	151.96643333
21° 44.999' S	151° 57.986' E	-21.74998333	151.96643333
21° 44.999' S	151° 58.737' E	-21.74998333	151.97895000
21° 45.496' S	151° 59.235' E	-21.75826667	151.98725000
21° 46.248' S	151° 59.235' E	-21.77080000	151.98725000
21° 46.748' S	151° 58.737' E	-21.77913333	151.97895000
21° 46.748' S	151° 56.985' E	-21.77913333	151.94975000
21° 45.997' S	151° 56.235' E	-21.76661667	151.93725000
21° 44.999' S	151° 56.235' E	-21.74998333	151.93725000
21° 44.999' S	151° 55.236' E	-21.74998333	151.92060000
21° 43.747' S	151° 55.236' E	-21.72911667	151.92060000

**Shag Rock (21-350) and Stony**

<b>HP-21-5288</b>	<b>Shoal (21-351)</b>		
21° 43.601' S	149° 34.399' E	-21.72668333	149.57331667
21° 43.601' S	149° 35.200' E	-21.72668333	149.58666667
21° 43.986' S	149° 35.200' E	-21.73310000	149.58666667
21° 43.986' S	149° 36.045' E	-21.73310000	149.60075000
21° 44.786' S	149° 36.045' E	-21.74643333	149.60075000
21° 45.226' S	149° 35.646' E	-21.75376667	149.59410000
21° 45.226' S	149° 34.624' E	-21.75376667	149.57706667
21° 47.222' S	149° 33.200' E	-21.78703333	149.55333333
21° 47.222' S	149° 32.801' E	-21.78703333	149.54668333
21° 46.821' S	149° 32.399' E	-21.78035000	149.53998333

21° 45.999' S	149° 32.399' E	-21.76665000	149.53998333
<b>HP-21-5289</b>	<b>Unnamed reef 21-513</b>		
21° 44.400' S	152° 12.799' E	-21.74000000	152.21331667
21° 44.400' S	152° 13.200' E	-21.74000000	152.22000000
21° 45.258' S	152° 14.058' E	-21.75430000	152.23430000
21° 46.938' S	152° 12.411' E	-21.78230000	152.20685000
21° 46.400' S	152° 10.800' E	-21.77333333	152.18000000
21° 45.199' S	152° 10.800' E	-21.75331667	152.18000000
<b>HP-21-5290</b>	<b>Unnamed reefs 21-515 and 21-516</b>		
21° 46.498' S	152° 06.236' E	-21.77496667	152.10393333
21° 46.498' S	152° 07.735' E	-21.77496667	152.12891667
21° 46.748' S	152° 08.235' E	-21.77913333	152.13725000
21° 46.748' S	152° 09.986' E	-21.77913333	152.16643333
21° 48.247' S	152° 09.986' E	-21.80411667	152.16643333
21° 48.749' S	152° 08.985' E	-21.81248333	152.14975000
21° 48.749' S	152° 07.986' E	-21.81248333	152.13310000
21° 48.247' S	152° 07.485' E	-21.80411667	152.12475000
21° 48.247' S	152° 05.985' E	-21.80411667	152.09975000
21° 47.748' S	152° 05.484' E	-21.79580000	152.09140000
21° 46.998' S	152° 05.484' E	-21.78330000	152.09140000
<b>HP-21-5291</b>	<b>Unnamed reef 21-465</b>		
21° 47.250' S	151° 49.800' E	-21.78750000	151.83000000
21° 47.250' S	151° 52.200' E	-21.78750000	151.87000000
21° 47.400' S	151° 52.200' E	-21.79000000	151.87000000
21° 47.400' S	151° 55.200' E	-21.79000000	151.92000000
21° 50.400' S	151° 55.200' E	-21.84000000	151.92000000
21° 50.400' S	151° 54.600' E	-21.84000000	151.91000000
21° 49.200' S	151° 52.200' E	-21.82000000	151.87000000
21° 48.600' S	151° 49.800' E	-21.81000000	151.83000000
<b>HP-21-5292</b>	<b>Unnamed reef 21-466</b>		
21° 48.600' S	151° 59.400' E	-21.81000000	151.99000000
21° 48.600' S	152° 01.200' E	-21.81000000	152.02000000
21° 50.400' S	152° 01.200' E	-21.84000000	152.02000000
21° 51.600' S	152° 00.000' E	-21.86000000	152.00000000
21° 51.600' S	151° 56.400' E	-21.86000000	151.94000000
21° 50.400' S	151° 56.400' E	-21.84000000	151.94000000
<b>HP-21-5293</b>	<b>Sandy Shoals (21-358a and b)</b>		
21° 48.600' S	149° 33.600' E	-21.81000000	149.56000000
21° 48.600' S	149° 34.200' E	-21.81000000	149.57000000
21° 50.421' S	149° 34.200' E	-21.84035000	149.57000000
21° 51.621' S	149° 33.000' E	-21.86035000	149.55000000
21° 51.621' S	149° 31.800' E	-21.86035000	149.53000000
21° 50.400' S	149° 31.800' E	-21.84000000	149.53000000
<b>HP-21-5294</b>	<b>West Hill Island Reef (21-316) coastal area</b>		
21° 48.966' S	149° 29.666' E	-21.81610000	149.49443333
21° 49.662' S	149° 30.256' E	-21.82770000	149.50426667
21° 50.117' S	149° 30.256' E	-21.83528333	149.50426667
21° 50.491' S	149° 29.669' E	-21.84151667	149.49448333



21° 50.491' S	149° 28.908' E	-21.84151667	149.48180000
21° 49.663' S	149° 27.622' E	-21.82771667	149.46036667
21° 48.969' S	149° 26.960' E	-21.81615000	149.44933333

**North Patch (21-361), Alexandra Reefs (21-362) and South Patch (21-363)**

**HP-21-5295**

21° 49.200' S	149° 38.400' E	-21.82000000	149.64000000
21° 49.200' S	149° 39.600' E	-21.82000000	149.66000000
21° 50.379' S	149° 39.600' E	-21.83965000	149.66000000
21° 51.021' S	149° 38.400' E	-21.85035000	149.64000000
21° 52.200' S	149° 37.200' E	-21.87000000	149.62000000
21° 52.200' S	149° 36.001' E	-21.87000000	149.60001667
21° 50.400' S	149° 36.600' E	-21.84000000	149.61000000
21° 50.400' S	149° 37.200' E	-21.84000000	149.62000000

**Capricorn**

**HP-21-5296**

**Channel**

21° 50.607' S	150° 59.972' E	-21.84345000	150.99953333
21° 50.607' S	151° 26.400' E	-21.84345000	151.44000000
22° 13.800' S	152° 06.960' E	-22.23000000	152.11600000
22° 13.800' S	152° 00.000' E	-22.23000000	152.00000000
22° 24.907' S	152° 00.000' E	-22.41511667	152.00000000
22° 24.907' S	150° 59.972' E	-22.41511667	150.99953333

**Unnamed reef 21-**

**HP-21-5297**

**467**

21° 52.000' S	151° 55.200' E	-21.86666667	151.92000000
21° 52.000' S	151° 57.201' E	-21.86666667	151.95335000
21° 52.398' S	151° 57.601' E	-21.87330000	151.96001667
21° 53.200' S	151° 57.601' E	-21.88666667	151.96001667
21° 54.000' S	151° 55.200' E	-21.90000000	151.92000000
21° 54.000' S	151° 54.000' E	-21.90000000	151.90000000
21° 52.398' S	151° 54.000' E	-21.87330000	151.90000000

**Flat Isles:**

**Drumfish Shoal (21-365a and b), Red Clay Island Reef (21-367), Beware Rocks (21-370), West Reef (21-374), Avoid Island Reef (21-379), Little Island Reef (21-379) and Escape Cay (21-384)**

**HP-21-5298**

21° 54.219' S	149° 37.552' E	-21.90365000	149.62586667
21° 54.219' S	149° 39.057' E	-21.90365000	149.65095000
21° 55.083' S	149° 39.057' E	-21.91805000	149.65095000
21° 55.083' S	149° 41.473' E	-21.91805000	149.69121667
22° 00.268' S	149° 41.473' E	-22.00446667	149.69121667
22° 00.268' S	149° 38.236' E	-22.00446667	149.63726667
21° 56.526' S	149° 38.236' E	-21.94210000	149.63726667

21° 56.526' S	149° 37.552' E	-21.94210000	149.62586667
<b>HP-21-5299</b>	<b>Fanning Shoal (21-366)</b>		
21° 54.600' S	149° 30.600' E	-21.91000000	149.51000000
21° 54.600' S	149° 31.790' E	-21.91000000	149.52983333
21° 57.000' S	149° 30.600' E	-21.95000000	149.51000000
21° 57.000' S	149° 30.000' E	-21.95000000	149.50000000
21° 55.819' S	149° 30.000' E	-21.93031667	149.50000000
	<b>Aquila Island Reef (21-378) and Bald Island Reef (21-372)</b>		
<b>HP-21-5300</b>	<b>Reef (21-372)</b>		
21° 57.000' S	149° 34.200' E	-21.95000000	149.57000000
21° 57.000' S	149° 34.800' E	-21.95000000	149.58000000
21° 57.600' S	149° 35.400' E	-21.96000000	149.59000000
21° 58.875' S	149° 35.400' E	-21.98125000	149.59000000
22° 00.001' S	149° 34.200' E	-22.00001667	149.57000000
22° 00.001' S	149° 33.000' E	-22.00001667	149.55000000
21° 58.800' S	149° 33.000' E	-21.98000000	149.55000000
21° 58.800' S	149° 33.600' E	-21.98000000	149.56000000
21° 57.600' S	149° 34.200' E	-21.96000000	149.57000000
	<b>Tornado Rocks (22-004a, b, c, d and e) and Gull Cay (22-002)</b>		
<b>HP-21-5302</b>	<b>Cay (22-002)</b>		
21° 59.748' S	149° 37.249' E	-21.99580000	149.62081667
21° 59.748' S	149° 37.747' E	-21.99580000	149.62911667
22° 00.401' S	149° 37.747' E	-22.00668333	149.62911667
22° 00.401' S	149° 37.611' E	-22.00668333	149.62685000
22° 01.620' S	149° 37.611' E	-22.02700000	149.62685000
22° 01.620' S	149° 36.810' E	-22.02700000	149.61350000
22° 02.421' S	149° 36.012' E	-22.04035000	149.60020000
22° 02.020' S	149° 35.613' E	-22.03366667	149.59355000
22° 01.221' S	149° 35.613' E	-22.02035000	149.59355000
22° 00.401' S	149° 36.412' E	-22.00668333	149.60686667
22° 00.401' S	149° 37.249' E	-22.00668333	149.62081667
	<b>Yarrowonga Point</b>		
<b>HP-21-5385</b>	<b>Point</b>		
21° 42.228' S	149° 28.452' E	-21.70380000	149.47420000
21° 43.134' S	149° 29.133' E	-21.71890000	149.48555000
21° 45.137' S	149° 29.133' E	-21.75228333	149.48555000
21° 45.137' S	149° 28.440' E	-21.75228333	149.47400000
21° 44.428' S	149° 27.552' E	-21.74046667	149.45920000
21° 43.758' S	149° 27.552' E	-21.72930000	149.45920000
21° 42.776' S	149° 27.714' E	-21.71293333	149.46190000
21° 42.232' S	149° 27.714' E	-21.70386667	149.46190000
	<b>Unnamed reef 22- 088</b>		
<b>HP-22-5304</b>	<b>088</b>		
22° 00.001' S	152° 10.800' E	-22.00001667	152.18000000
22° 00.001' S	152° 12.000' E	-22.00001667	152.20000000
22° 02.400' S	152° 12.000' E	-22.04000000	152.20000000
22° 02.400' S	152° 06.600' E	-22.04000000	152.11000000
22° 01.200' S	152° 05.400' E	-22.02000000	152.09000000
22° 00.600' S	152° 06.000' E	-22.01000000	152.10000000
22° 00.600' S	152° 09.600' E	-22.01000000	152.16000000

	<b>Unnamed reef 22-087</b>		
<b>HP-22-5305</b>			
22° 00.600' S	152° 15.600' E	-22.01000000	152.26000000
22° 00.600' S	152° 17.399' E	-22.01000000	152.28998333
22° 01.800' S	152° 17.399' E	-22.03000000	152.28998333
22° 01.800' S	152° 15.600' E	-22.03000000	152.26000000

	<b>Unnamed reef 22-089</b>		
<b>HP-22-5306</b>			
22° 01.200' S	152° 04.001' E	-22.02000000	152.06668333
22° 01.200' S	152° 04.800' E	-22.02000000	152.08000000
22° 01.600' S	152° 05.202' E	-22.02666667	152.08670000
22° 02.400' S	152° 05.202' E	-22.04000000	152.08670000
22° 02.800' S	152° 04.800' E	-22.04666667	152.08000000
22° 02.800' S	152° 04.001' E	-22.04666667	152.06668333
22° 02.400' S	152° 03.600' E	-22.04000000	152.06000000
22° 01.600' S	152° 03.600' E	-22.02666667	152.06000000

	<b>Chesterman Reef (22-090)</b>		
<b>HP-22-5307</b>			
22° 01.800' S	152° 24.600' E	-22.03000000	152.41000000
22° 01.800' S	152° 26.400' E	-22.03000000	152.44000000
22° 02.400' S	152° 27.000' E	-22.04000000	152.45000000
22° 03.000' S	152° 27.000' E	-22.05000000	152.45000000
22° 03.600' S	152° 26.400' E	-22.06000000	152.44000000
22° 03.600' S	152° 24.600' E	-22.06000000	152.41000000

	<b>Unnamed reef 22-091</b>		
<b>HP-22-5310</b>			
22° 02.800' S	152° 19.200' E	-22.04666667	152.32000000
22° 02.800' S	152° 20.001' E	-22.04666667	152.33335000
22° 03.200' S	152° 20.400' E	-22.05333333	152.34000000
22° 04.001' S	152° 20.400' E	-22.06668333	152.34000000
22° 04.001' S	152° 19.200' E	-22.06668333	152.32000000
22° 03.600' S	152° 18.801' E	-22.06000000	152.31335000

	<b>Roundish Island Reef (22-010)</b>		
<b>HP-22-5311</b>			
22° 02.998' S	149° 36.486' E	-22.04996667	149.60810000
22° 02.998' S	149° 37.236' E	-22.04996667	149.62060000
22° 03.747' S	149° 37.236' E	-22.06245000	149.62060000
22° 03.747' S	149° 36.486' E	-22.06245000	149.60810000

	<b>Unnamed reef 22-094</b>		
<b>HP-22-5312</b>			
22° 05.040' S	152° 13.800' E	-22.08400000	152.23000000
22° 05.040' S	152° 15.960' E	-22.08400000	152.26600000
22° 06.360' S	152° 15.960' E	-22.10600000	152.26600000
22° 06.360' S	152° 13.800' E	-22.10600000	152.23000000

	<b>Unnamed reef 22-095</b>		
<b>HP-22-5313</b>			
22° 05.400' S	152° 20.400' E	-22.09000000	152.34000000
22° 05.400' S	152° 22.200' E	-22.09000000	152.37000000
22° 06.000' S	152° 22.800' E	-22.10000000	152.38000000
22° 06.600' S	152° 22.200' E	-22.11000000	152.37000000
22° 06.600' S	152° 20.400' E	-22.11000000	152.34000000
22° 06.000' S	152° 19.800' E	-22.10000000	152.33000000

	<b>Unnamed reef 22-096</b>		
<b>HP-22-5314</b>			
22° 06.000' S	152° 17.399' E	-22.10000000	152.28998333

22° 06.600' S	152° 17.998' E	-22.11000000	152.29996667
22° 07.200' S	152° 17.399' E	-22.12000000	152.28998333
22° 07.200' S	152° 16.800' E	-22.12000000	152.28000000
22° 06.600' S	152° 16.200' E	-22.11000000	152.27000000

**Flock Pigeon  
Island Reef (22-  
015), McEwen  
Island Reef (22-  
015) and Pilot**

<b>HP-22-5316</b>	<b>Reef (22-016)</b>		
22° 06.807' S	149° 34.582' E	-22.11345000	149.57636667
22° 06.807' S	149° 34.845' E	-22.11345000	149.58075000
22° 08.806' S	149° 36.844' E	-22.14676667	149.61406667
22° 09.657' S	149° 36.844' E	-22.16095000	149.61406667
22° 09.657' S	149° 36.088' E	-22.16095000	149.60146667
22° 08.814' S	149° 35.296' E	-22.14690000	149.58826667
22° 08.406' S	149° 35.294' E	-22.14010000	149.58823333
22° 07.155' S	149° 34.582' E	-22.11925000	149.57636667

**Unnamed reefs  
22-122 and 22-**

<b>HP-22-5318</b>	<b>125</b>		
22° 07.998' S	152° 31.736' E	-22.13330000	152.52893333
22° 07.998' S	152° 32.985' E	-22.13330000	152.54975000
22° 08.748' S	152° 32.985' E	-22.14580000	152.54975000
22° 08.748' S	152° 33.485' E	-22.14580000	152.55808333
22° 09.000' S	152° 33.735' E	-22.15000000	152.56225000
22° 09.498' S	152° 33.735' E	-22.15830000	152.56225000
22° 09.747' S	152° 33.485' E	-22.16245000	152.55808333
22° 09.747' S	152° 32.486' E	-22.16245000	152.54143333
22° 09.498' S	152° 32.486' E	-22.15830000	152.54143333
22° 09.498' S	152° 30.985' E	-22.15830000	152.51641667
22° 08.748' S	152° 30.985' E	-22.14580000	152.51641667

**Unnamed reef 22-**

<b>HP-22-5319</b>	<b>097</b>		
22° 09.000' S	152° 26.485' E	-22.15000000	152.44141667
22° 09.000' S	152° 27.484' E	-22.15000000	152.45806667
22° 10.497' S	152° 27.484' E	-22.17495000	152.45806667
22° 10.998' S	152° 26.985' E	-22.18330000	152.44975000
22° 10.998' S	152° 25.735' E	-22.18330000	152.42891667
22° 09.747' S	152° 25.735' E	-22.16245000	152.42891667

**Unnamed reef 22-**

<b>HP-22-5321</b>	<b>127</b>		
22° 10.001' S	152° 30.801' E	-22.16668333	152.51335000
22° 10.001' S	152° 32.400' E	-22.16668333	152.54000000
22° 10.800' S	152° 32.400' E	-22.18000000	152.54000000
22° 11.600' S	152° 31.600' E	-22.19333333	152.52666667
22° 11.600' S	152° 30.801' E	-22.19333333	152.51335000
22° 11.200' S	152° 30.400' E	-22.18666667	152.50666667
22° 10.399' S	152° 30.400' E	-22.17331667	152.50666667

**Clairview Bluff**

<b>HP-22-5322</b>	<b>coastal area</b>		
22° 10.285' S	149° 33.971' E	-22.17141667	149.56618333
22° 10.285' S	149° 34.486' E	-22.17141667	149.57476667
22° 11.002' S	149° 34.486' E	-22.18336667	149.57476667
22° 11.002' S	149° 33.400' E	-22.18336667	149.55666667

<b>HP-22-5323</b>	<b>Unnamed reef 22-098</b>		
22° 10.497' S	152° 29.485' E	-22.17495000	152.49141667
22° 11.997' S	152° 30.985' E	-22.19995000	152.51641667
22° 12.247' S	152° 30.985' E	-22.20411667	152.51641667
22° 13.497' S	152° 29.735' E	-22.22495000	152.49558333
22° 12.247' S	152° 28.236' E	-22.20411667	152.47060000
22° 11.748' S	152° 28.236' E	-22.19580000	152.47060000

<b>HP-22-5324</b>	<b>Unnamed reef 22-132</b>		
22° 11.400' S	152° 33.000' E	-22.19000000	152.55000000
22° 12.000' S	152° 33.600' E	-22.20000000	152.56000000
22° 12.600' S	152° 33.000' E	-22.21000000	152.55000000
22° 12.600' S	152° 32.400' E	-22.21000000	152.54000000
22° 12.000' S	152° 32.400' E	-22.20000000	152.54000000

<b>HP-22-5328</b>	<b>Unnamed reef 22-135</b>		
22° 14.001' S	152° 30.801' E	-22.23335000	152.51335000
22° 14.001' S	152° 32.001' E	-22.23335000	152.53335000
22° 14.801' S	152° 32.001' E	-22.24668333	152.53335000
22° 15.199' S	152° 31.600' E	-22.25331667	152.52666667
22° 15.199' S	152° 30.400' E	-22.25331667	152.50666667
22° 14.400' S	152° 30.400' E	-22.24000000	152.50666667

<b>HP-22-5330</b>	<b>Hackie Reef (22-099)</b>		
22° 14.400' S	152° 19.800' E	-22.24000000	152.33000000
22° 15.000' S	152° 21.600' E	-22.25000000	152.36000000
22° 15.000' S	152° 28.800' E	-22.25000000	152.48000000
22° 16.800' S	152° 28.800' E	-22.28000000	152.48000000
22° 16.800' S	152° 21.600' E	-22.28000000	152.36000000
22° 16.200' S	152° 19.800' E	-22.27000000	152.33000000

<b>HP-22-5333</b>	<b>Unnamed reef 22-138</b>		
22° 15.600' S	152° 32.400' E	-22.26000000	152.54000000
22° 15.600' S	152° 33.600' E	-22.26000000	152.56000000
22° 16.400' S	152° 33.600' E	-22.27333333	152.56000000
22° 16.800' S	152° 33.200' E	-22.28000000	152.55333333
22° 16.800' S	152° 32.400' E	-22.28000000	152.54000000

<b>HP-22-5334</b>	<b>Unnamed reef 22-100</b>		
22° 17.400' S	152° 28.800' E	-22.29000000	152.48000000
22° 17.400' S	152° 29.400' E	-22.29000000	152.49000000
22° 18.000' S	152° 29.400' E	-22.30000000	152.49000000
22° 18.000' S	152° 28.800' E	-22.30000000	152.48000000

<b>HP-22-5335</b>	<b>Twins Reef West (22-146a and b)</b>		
22° 21.747' S	152° 30.985' E	-22.36245000	152.51641667
22° 21.747' S	152° 31.986' E	-22.36245000	152.53310000
22° 22.248' S	152° 32.985' E	-22.37080000	152.54975000
22° 22.248' S	152° 33.985' E	-22.37080000	152.56641667
22° 23.497' S	152° 33.985' E	-22.39161667	152.56641667
22° 23.497' S	152° 32.736' E	-22.39161667	152.54560000
22° 22.248' S	152° 30.985' E	-22.37080000	152.51641667

<b>HP-22-5336</b>	<b>Quoin Island Reef (22-149)</b>		
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22° 33.306' S	150° 47.470' E	-22.55510000	150.79116667
22° 33.309' S	150° 48.237' E	-22.55515000	150.80395000
22° 34.320' S	150° 48.237' E	-22.57200000	150.80395000
22° 34.320' S	150° 47.308' E	-22.57200000	150.78846667
22° 33.360' S	150° 47.401' E	-22.55600000	150.79001667

**Karamea Bank  
(22-156)**

<b>HP-22-5337</b>			
22° 36.575' S	151° 30.276' E	-22.60958333	151.50460000
22° 36.575' S	151° 34.833' E	-22.60958333	151.58055000
22° 39.006' S	151° 34.833' E	-22.65010000	151.58055000
22° 40.990' S	151° 34.833' E	-22.68316667	151.58055000
22° 40.990' S	151° 30.276' E	-22.68316667	151.50460000
22° 39.011' S	151° 30.276' E	-22.65018333	151.50460000

**Double Rock  
Reef (22-150)**

<b>HP-22-5338</b>			
22° 37.248' S	150° 48.486' E	-22.62080000	150.80810000
22° 37.248' S	150° 48.985' E	-22.62080000	150.81641667
22° 37.748' S	150° 48.985' E	-22.62913333	150.81641667
22° 37.748' S	150° 48.486' E	-22.62913333	150.80810000

**Single Reef (22-  
151)**

<b>HP-22-5339</b>			
22° 37.497' S	150° 46.998' E	-22.62495000	150.78330000
22° 37.497' S	150° 47.486' E	-22.62495000	150.79143333
22° 37.998' S	150° 47.486' E	-22.63330000	150.79143333
22° 37.998' S	150° 47.136' E	-22.63330000	150.78560000
22° 37.731' S	150° 46.976' E	-22.62885000	150.78293333

**Perforated  
(Peak) Island  
Reef (22-152)**

<b>HP-22-5340</b>			
22° 39.006' S	150° 57.465' E	-22.65010000	150.95775000
22° 39.006' S	150° 57.960' E	-22.65010000	150.96600000
22° 39.480' S	150° 57.960' E	-22.65800000	150.96600000
22° 39.845' S	150° 57.588' E	-22.66408333	150.95980000
22° 39.845' S	150° 57.120' E	-22.66408333	150.95200000
22° 39.360' S	150° 57.120' E	-22.65600000	150.95200000

**Cape Manifold  
(22-813)**

<b>HP-22-5341</b>			
22° 40.799' S	150° 50.002' E	-22.67998333	150.83336667
22° 40.799' S	150° 51.200' E	-22.67998333	150.85333333
22° 41.600' S	150° 51.200' E	-22.69333333	150.85333333
22° 41.600' S	150° 50.002' E	-22.69333333	150.83336667
22° 41.076' S	150° 50.002' E	-22.68460000	150.83336667
22° 41.029' S	150° 50.002' E	-22.68381667	150.83336667

**Flat Island Reef  
(22-153)**

<b>HP-22-5342</b>			
22° 43.422' S	150° 59.199' E	-22.72370000	150.98665000
22° 43.422' S	150° 59.778' E	-22.72370000	150.99630000
22° 44.025' S	151° 00.400' E	-22.73375000	151.00666667
22° 44.400' S	151° 00.400' E	-22.74000000	151.00666667
22° 44.400' S	150° 59.600' E	-22.74000000	150.99333333
22° 43.999' S	150° 59.199' E	-22.73331667	150.98665000

**Five Rocks**

<b>HP-22-5343</b>	<b>coastal area</b>		
22° 47.497' S	150° 48.339' E	-22.79161667	150.80565000
22° 47.497' S	150° 48.985' E	-22.79161667	150.81641667
22° 47.997' S	150° 48.985' E	-22.79995000	150.81641667

22° 47.997' S	150° 48.550' E	-22.79995000	150.80916667
	<b>Edgell Bank (22-159) and Moresby Bank (22-158)</b>		
<b>HP-22-5344</b>			
22° 50.098' S	151° 45.423' E	-22.83496667	151.75705000
22° 50.098' S	151° 47.457' E	-22.83496667	151.79095000
22° 53.886' S	151° 47.457' E	-22.89810000	151.79095000
22° 53.886' S	151° 45.423' E	-22.89810000	151.75705000
	<b>Goodwin Shoal (22-160)</b>		
<b>HP-22-5345</b>			
22° 53.973' S	151° 42.350' E	-22.89955000	151.70583333
22° 53.973' S	151° 44.749' E	-22.89955000	151.74581667
22° 55.176' S	151° 44.749' E	-22.91960000	151.74581667
22° 55.775' S	151° 43.550' E	-22.92958333	151.72583333
22° 55.176' S	151° 42.350' E	-22.91960000	151.70583333
	<b>Haberfield Shoal (23-042a), Guthrie Shoals (23-042b) and Innamincka Shoals (23-041)</b>		
<b>HP-22-5346</b>			
23° 00.000' S	151° 49.200' E	-23.00000000	151.82000000
23° 00.000' S	151° 51.600' E	-23.00000000	151.86000000
23° 00.600' S	151° 52.200' E	-23.01000000	151.87000000
23° 03.747' S	151° 52.200' E	-23.06245000	151.87000000
23° 03.747' S	151° 49.984' E	-23.06245000	151.83306667
23° 02.748' S	151° 47.235' E	-23.04580000	151.78725000
23° 02.748' S	151° 45.486' E	-23.04580000	151.75810000
23° 02.249' S	151° 42.986' E	-23.03748333	151.71643333
23° 00.997' S	151° 42.986' E	-23.01661667	151.71643333
23° 00.997' S	151° 44.735' E	-23.01661667	151.74558333
23° 01.497' S	151° 45.486' E	-23.02495000	151.75810000
23° 01.497' S	151° 48.235' E	-23.02495000	151.80391667
23° 01.761' S	151° 49.200' E	-23.02935000	151.82000000
	<b>Clara Group</b>		
<b>HP-22-5382</b>			
22° 19.949' S	150° 42.936' E	-22.33248333	150.71560000
22° 19.949' S	150° 43.353' E	-22.33248333	150.72255000
22° 20.190' S	150° 43.430' E	-22.33650000	150.72383333
22° 20.396' S	150° 43.368' E	-22.33993333	150.72280000
22° 20.570' S	150° 43.011' E	-22.34283333	150.71685000
22° 20.592' S	150° 42.716' E	-22.34320000	150.71193333
22° 20.571' S	150° 42.481' E	-22.34285000	150.70801667
22° 20.157' S	150° 42.481' E	-22.33595000	150.70801667
	<b>Dome Island Reef (22-080) and Split Island Reef (22-079)</b>		
<b>HP-22-5383</b>			
22° 24.080' S	150° 44.467' E	-22.40133333	150.74111667
22° 24.223' S	150° 44.661' E	-22.40371667	150.74435000
22° 24.642' S	150° 45.030' E	-22.41070000	150.75050000
22° 24.794' S	150° 45.039' E	-22.41323333	150.75065000
22° 24.930' S	150° 44.932' E	-22.41550000	150.74886667
22° 24.969' S	150° 44.757' E	-22.41615000	150.74595000

22° 24.927' S	150° 44.629' E	-22.41545000	150.74381667
22° 24.243' S	150° 44.269' E	-22.40405000	150.73781667

**Unnamed reef 22.**

**HP-22-5384**

**081**

22° 25.212' S	150° 43.555' E	-22.42020000	150.72591667
22° 25.212' S	150° 44.036' E	-22.42020000	150.73393333
22° 25.901' S	150° 44.443' E	-22.43168333	150.74071667
22° 26.133' S	150° 44.443' E	-22.43555000	150.74071667
22° 26.405' S	150° 44.121' E	-22.44008333	150.73535000
22° 26.523' S	150° 43.887' E	-22.44205000	150.73145000
22° 26.523' S	150° 43.731' E	-22.44205000	150.72885000
22° 25.876' S	150° 43.263' E	-22.43126667	150.72105000

**Delcomyn Island**

**HP-22-5387**

**Reef (22-082)**

22° 26.785' S	150° 45.623' E	-22.44641667	150.76038333
22° 26.785' S	150° 45.738' E	-22.44641667	150.76230000
22° 26.872' S	150° 46.003' E	-22.44786667	150.76671667
22° 26.960' S	150° 46.003' E	-22.44933333	150.76671667
22° 26.960' S	150° 45.623' E	-22.44933333	150.76038333

**Corroboree  
Island Reef (23-  
001) and Conical**

**HP-23-5347**

**Rocks (23-002)**

23° 01.673' S	150° 52.104' E	-23.02788333	150.86840000
23° 01.673' S	150° 53.277' E	-23.02788333	150.88795000
23° 03.195' S	150° 54.330' E	-23.05325000	150.90550000
23° 03.195' S	150° 53.713' E	-23.05325000	150.89521667
23° 03.213' S	150° 53.494' E	-23.05355000	150.89156667
23° 03.215' S	150° 52.590' E	-23.05358333	150.87650000
23° 03.101' S	150° 52.104' E	-23.05168333	150.86840000

**Johnson Patch**

**HP-23-5348**

**(23-043)**

23° 04.399' S	151° 35.200' E	-23.07331667	151.58666667
23° 04.399' S	151° 36.400' E	-23.07331667	151.60666667
23° 04.800' S	151° 36.800' E	-23.08000000	151.61333333
23° 05.599' S	151° 36.800' E	-23.09331667	151.61333333
23° 05.599' S	151° 35.999' E	-23.09331667	151.59998333
23° 05.201' S	151° 35.200' E	-23.08668333	151.58666667



**Keppel Island  
Group: North  
Keppel Island  
Reef (23-004b),  
Pumpkin Island  
Reef (23-005),  
Square Rocks  
(23-006), Sloping  
Island Reef (23-  
007), Man and  
Wife Rocks (23-  
008), Miall Island  
Reef (23-009),  
Great Keppel  
Island Reefs (23-  
012) and  
unnamed reef 23-**

<b>HP-23-5349</b>	<b>802</b>		
23° 05.250' S	150° 54.833' E	-23.08750000	150.91388333
23° 07.120' S	150° 54.833' E	-23.11866667	150.91388333
23° 07.120' S	150° 58.674' E	-23.11866667	150.97790000
23° 06.533' S	150° 58.674' E	-23.10888333	150.97790000
23° 06.533' S	150° 59.985' E	-23.10888333	150.99975000
23° 12.498' S	150° 59.985' E	-23.20830000	150.99975000
23° 13.320' S	150° 58.620' E	-23.22200000	150.97700000
23° 13.320' S	150° 57.486' E	-23.22200000	150.95810000
23° 11.997' S	150° 57.486' E	-23.19995000	150.95810000
23° 11.412' S	150° 56.899' E	-23.19020000	150.94831667
23° 11.154' S	150° 58.254' E	-23.18590000	150.97090000
23° 11.802' S	150° 58.219' E	-23.19670000	150.97031667
23° 12.138' S	150° 58.368' E	-23.20230000	150.97280000
23° 12.138' S	150° 59.334' E	-23.20230000	150.98890000
23° 11.555' S	150° 59.334' E	-23.19258333	150.98890000
23° 10.708' S	150° 55.853' E	-23.17846667	150.93088333
23° 10.707' S	150° 55.808' E	-23.17845000	150.93013333
23° 10.708' S	150° 55.649' E	-23.17846667	150.92748333
23° 09.690' S	150° 55.649' E	-23.16150000	150.92748333
23° 09.330' S	150° 54.930' E	-23.15550000	150.91550000
23° 09.963' S	150° 54.103' E	-23.16605000	150.90171667
23° 06.240' S	150° 53.160' E	-23.10400000	150.88600000
23° 06.240' S	150° 52.590' E	-23.10400000	150.87650000
23° 04.996' S	150° 52.590' E	-23.08326667	150.87650000
23° 04.996' S	150° 53.306' E	-23.08326667	150.88843333

**Douglas Shoal  
(23-044)**

<b>HP-23-5350</b>			
23° 04.998' S	151° 37.236' E	-23.08330000	151.62060000
23° 04.998' S	151° 43.485' E	-23.08330000	151.72475000
23° 06.745' S	151° 43.485' E	-23.11241667	151.72475000
23° 06.745' S	151° 37.236' E	-23.11241667	151.62060000

**The Child Reef  
(23-030) and  
Barren (First  
Lump) Island**

<b>HP-23-5351</b>			
23° 08.799' S	151° 04.399' E	-23.14665000	151.07331667

23° 08.799' S	151° 05.601' E	-23.14665000	151.09335000
23° 09.600' S	151° 05.601' E	-23.16000000	151.09335000
23° 10.399' S	151° 05.200' E	-23.17331667	151.08666667
23° 10.399' S	151° 04.399' E	-23.17331667	151.07331667
23° 10.002' S	151° 03.600' E	-23.16670000	151.06000000
23° 09.199' S	151° 03.600' E	-23.15331667	151.06000000

**Great Keppel  
Island - Monkey  
Point**

<b>HP-23-5353</b>			
23° 11.526' S	150° 56.736' E	-23.19210000	150.94560000
23° 11.997' S	150° 56.736' E	-23.19995000	150.94560000
23° 11.997' S	150° 56.235' E	-23.19995000	150.93725000
23° 11.850' S	150° 56.078' E	-23.19750000	150.93463333
23° 11.850' S	150° 56.262' E	-23.19750000	150.93770000

**Pelican Island  
Reef (23-017)**

<b>HP-23-5355</b>			
23° 13.999' S	150° 51.600' E	-23.23331667	150.86000000
23° 13.999' S	150° 53.200' E	-23.23331667	150.88666667
23° 15.198' S	150° 53.200' E	-23.25330000	150.88666667
23° 15.198' S	150° 51.600' E	-23.25330000	150.86000000

**Lisa Jane**

<b>HP-23-5356</b>			
<b>Shoals (23-034)</b>			
23° 15.263' S	151° 02.796' E	-23.25438333	151.04660000
23° 15.263' S	151° 04.209' E	-23.25438333	151.07015000
23° 16.500' S	151° 04.209' E	-23.27500000	151.07015000
23° 16.500' S	151° 06.801' E	-23.27500000	151.11335000
23° 18.418' S	151° 06.801' E	-23.30696667	151.11335000
23° 18.418' S	151° 02.796' E	-23.30696667	151.04660000
23° 16.503' S	151° 02.796' E	-23.27505000	151.04660000

**Wedge Island  
Reef (23-019)  
and Divided  
Island Reef (23-  
023)**

<b>HP-23-5357</b>			
23° 15.997' S	150° 52.735' E	-23.26661667	150.87891667
23° 16.500' S	150° 53.985' E	-23.27500000	150.89975000
23° 16.503' S	150° 56.109' E	-23.27505000	150.93515000
23° 18.747' S	150° 56.109' E	-23.31245000	150.93515000
23° 18.747' S	150° 54.000' E	-23.31245000	150.90000000
23° 17.247' S	150° 54.000' E	-23.28745000	150.90000000
23° 17.247' S	150° 53.235' E	-23.28745000	150.88725000
23° 16.748' S	150° 52.235' E	-23.27913333	150.87058333

**Emu Park-  
Keppel Sands  
coastal area:  
Mother  
Macgregor  
Island Reef (23-  
020), Entrance  
Rocks (23-021)  
and Round Rock  
(23-022)**

<b>HP-23-5358</b>			
23° 13.175' S	150° 49.114' E	-23.21958333	150.81856667
23° 13.175' S	150° 49.650' E	-23.21958333	150.82750000
23° 13.705' S	150° 49.650' E	-23.22841667	150.82750000
23° 13.896' S	150° 50.106' E	-23.23160000	150.83510000

23° 14.890' S	150° 50.505' E	-23.24816667	150.84175000
23° 18.196' S	150° 50.505' E	-23.30326667	150.84175000
23° 18.789' S	150° 51.402' E	-23.31315000	150.85670000
23° 19.071' S	150° 51.236' E	-23.31785000	150.85393333
23° 19.888' S	150° 49.601' E	-23.33146667	150.82668333
23° 20.481' S	150° 49.341' E	-23.34135000	150.82235000
23° 21.483' S	150° 49.341' E	-23.35805000	150.82235000
23° 21.684' S	150° 48.999' E	-23.36140000	150.81665000
23° 21.684' S	150° 47.765' E	-23.36140000	150.79608333
23° 13.275' S	150° 49.116' E	-23.22125000	150.81860000

**Quartz Rock (23-029)**

<b>HP-23-5361</b>			
23° 24.799' S	150° 50.799' E	-23.41331667	150.84665000
23° 24.799' S	150° 51.999' E	-23.41331667	150.86665000
23° 25.601' S	150° 51.999' E	-23.42668333	150.86665000
23° 25.601' S	150° 50.799' E	-23.42668333	150.84665000

**Cape Keppel:  
Cape Keppel  
Reef (23-059b),  
Keppel Rocks  
(23-058a, b and  
c)**

<b>HP-23-5362</b>			
23° 25.200' S	151° 02.400' E	-23.42000000	151.04000000
23° 25.200' S	151° 03.200' E	-23.42000000	151.05333333
23° 25.999' S	151° 04.001' E	-23.43331667	151.06668333
23° 25.999' S	151° 04.399' E	-23.43331667	151.07331667
23° 27.096' S	151° 04.399' E	-23.45160000	151.07331667
23° 26.949' S	151° 03.666' E	-23.44915000	151.06110000
23° 26.832' S	151° 03.273' E	-23.44720000	151.05455000
23° 26.158' S	151° 02.400' E	-23.43596667	151.04000000

**Boat Rock (23-040)**

<b>HP-23-5363</b>			
23° 26.748' S	151° 05.985' E	-23.44580000	151.09975000
23° 26.748' S	151° 06.485' E	-23.44580000	151.10808333
23° 27.514' S	151° 06.485' E	-23.45856667	151.10808333
23° 27.414' S	151° 05.985' E	-23.45690000	151.09975000

**Lamont Reef (23-076) and Fitzroy  
Reef (23-077)**

<b>HP-23-5364</b>			
23° 33.890' S	151° 57.867' E	-23.56483333	151.96445000
23° 33.890' S	152° 13.501' E	-23.56483333	152.22501667
23° 37.695' S	152° 14.027' E	-23.62825000	152.23378333
23° 41.812' S	152° 06.360' E	-23.69686667	152.10600000

**Rock Cod Shoal  
(23-072)**

<b>HP-23-5365</b>			
23° 39.600' S	151° 37.202' E	-23.66000000	151.62003333
23° 40.200' S	151° 38.400' E	-23.67000000	151.64000000
23° 41.400' S	151° 39.000' E	-23.69000000	151.65000000
23° 42.000' S	151° 37.202' E	-23.70000000	151.62003333
23° 41.400' S	151° 35.999' E	-23.69000000	151.59998333
23° 40.200' S	151° 35.999' E	-23.67000000	151.59998333

**Boult Reef (23-079), Lady Musgrave Island Reef (23-082)**

**HP-23-5366**

23° 37.695' S	152° 14.027' E	-23.62825000	152.23378333
23° 55.200' S	152° 35.999' E	-23.92000000	152.59998333
23° 55.593' S	152° 22.800' E	-23.92655000	152.38000000
23° 54.108' S	152° 22.797' E	-23.90180000	152.37995000
23° 54.108' S	152° 23.529' E	-23.90180000	152.39215000
23° 54.314' S	152° 23.664' E	-23.90523333	152.39440000
23° 54.351' S	152° 23.696' E	-23.90585000	152.39493333
23° 53.670' S	152° 24.780' E	-23.89450000	152.41300000
23° 52.928' S	152° 24.236' E	-23.88213333	152.40393333
23° 49.426' S	152° 24.236' E	-23.82376667	152.40393333
23° 49.426' S	152° 20.303' E	-23.82376667	152.33838333
23° 46.593' S	152° 20.303' E	-23.77655000	152.33838333
23° 46.593' S	152° 14.027' E	-23.77655000	152.23378333

**Curtis Island - south coastal area**

**HP-23-5367**

23° 43.752' S	151° 17.839' E	-23.72920000	151.29731667
23° 43.752' S	151° 18.234' E	-23.72920000	151.30390000
23° 44.748' S	151° 18.984' E	-23.74580000	151.31640000
23° 44.748' S	151° 20.486' E	-23.74580000	151.34143333
23° 45.747' S	151° 20.486' E	-23.76245000	151.34143333
23° 45.747' S	151° 20.263' E	-23.76245000	151.33771667
23° 45.346' S	151° 19.813' E	-23.75576667	151.33021667
23° 45.316' S	151° 18.616' E	-23.75526667	151.31026667

**Facing Island Reef (23-061) coastal area**

**HP-23-5369**

23° 47.497' S	151° 20.769' E	-23.79161667	151.34615000
23° 47.497' S	151° 21.985' E	-23.79161667	151.36641667
23° 48.498' S	151° 22.986' E	-23.80830000	151.38310000
23° 48.498' S	151° 23.988' E	-23.80830000	151.39980000
23° 51.997' S	151° 23.988' E	-23.86661667	151.39980000
23° 51.997' S	151° 23.548' E	-23.86661667	151.39246667

**Seal Rocks (23-067a, b and c)**

**HP-23-5370**

23° 56.498' S	151° 29.674' E	-23.94163333	151.49456667
23° 56.498' S	151° 30.235' E	-23.94163333	151.50391667
23° 56.997' S	151° 30.235' E	-23.94995000	151.50391667
23° 58.747' S	151° 29.235' E	-23.97911667	151.48725000
23° 58.998' S	151° 28.986' E	-23.98330000	151.48310000
23° 58.747' S	151° 28.485' E	-23.97911667	151.47475000
23° 58.250' S	151° 28.236' E	-23.97083333	151.47060000
23° 57.873' S	151° 28.231' E	-23.96455000	151.47051667

**Outer Rocks (23-075)**

**HP-23-5371**

23° 58.250' S	151° 46.234' E	-23.97083333	151.77056667
23° 58.250' S	151° 46.736' E	-23.97083333	151.77893333
23° 58.998' S	151° 46.736' E	-23.98330000	151.77893333
23° 58.998' S	151° 46.234' E	-23.98330000	151.77056667

**Middle Rocks (24-004)**

**HP-23-5372**

23° 59.497' S	151° 46.234' E	-23.99161667	151.77056667
23° 59.497' S	151° 46.736' E	-23.99161667	151.77893333
23° 59.997' S	151° 46.736' E	-23.99995000	151.77893333
23° 59.997' S	151° 46.234' E	-23.99995000	151.77056667

**Rodds  
Peninsula  
coastal area:  
Jansen Rock (24-  
002) and Clews**

<b>HP-23-5373</b>	<b>Point (24-003)</b>		
23° 59.748' S	151° 43.085' E	-23.99580000	151.71808333
23° 59.748' S	151° 44.466' E	-23.99580000	151.74110000
24° 00.084' S	151° 44.466' E	-24.00140000	151.74110000
24° 01.195' S	151° 43.062' E	-24.01991667	151.71770000
24° 00.903' S	151° 43.085' E	-24.01505000	151.71808333

**Creek Rocks (24-  
001)**

<b>HP-23-5374</b>			
23° 59.997' S	151° 30.736' E	-23.99995000	151.51226667
23° 59.997' S	151° 30.985' E	-23.99995000	151.51641667
24° 00.248' S	151° 31.234' E	-24.00413333	151.52056667
24° 00.747' S	151° 31.234' E	-24.01245000	151.52056667
24° 00.747' S	151° 30.486' E	-24.01245000	151.50810000
24° 00.248' S	151° 30.486' E	-24.00413333	151.50810000

**Hummocky  
Island Reef (23-  
036)**

<b>HP-23-5386</b>			
23° 23.607' S	151° 09.641' E	-23.39345000	151.16068333
23° 23.697' S	151° 09.880' E	-23.39495000	151.16466667
23° 23.963' S	151° 09.880' E	-23.39938333	151.16466667
23° 24.404' S	151° 09.510' E	-23.40673333	151.15850000
23° 24.478' S	151° 09.342' E	-23.40796667	151.15570000
23° 24.478' S	151° 09.095' E	-23.40796667	151.15158333
23° 24.135' S	151° 08.463' E	-23.40225000	151.14105000
23° 23.868' S	151° 08.362' E	-23.39780000	151.13936667
23° 23.784' S	151° 08.431' E	-23.39640000	151.14051667
23° 23.736' S	151° 08.544' E	-23.39560000	151.14240000

**Bustard Head  
coastal area:  
Inner Rocks (24-  
005)**

<b>HP-24-5375</b>			
24° 00.480' S	151° 45.720' E	-24.00800000	151.76200000
24° 00.480' S	151° 46.320' E	-24.00800000	151.77200000
24° 01.080' S	151° 46.320' E	-24.01800000	151.77200000
24° 01.080' S	151° 45.936' E	-24.01800000	151.76560000
24° 00.948' S	151° 45.720' E	-24.01580000	151.76200000

**Herald Patches  
(24-009a, b and  
c)**

<b>HP-24-5376</b>			
24° 10.800' S	152° 37.800' E	-24.18000000	152.63000000
24° 10.800' S	152° 48.000' E	-24.18000000	152.80000000
24° 13.798' S	152° 48.000' E	-24.22996667	152.80000000
24° 13.798' S	152° 37.800' E	-24.22996667	152.63000000

**Broadwater**

<b>HP-24-5377</b>	<b>Creek</b>		
24° 25.609' S	152° 00.320' E	-24.42681667	152.00533333

24° 25.680' S	152° 00.489' E	-24.42800000	152.00815000
24° 25.920' S	152° 00.609' E	-24.43200000	152.01015000
24° 26.040' S	152° 00.609' E	-24.43400000	152.01015000
24° 26.170' S	152° 00.540' E	-24.43616667	152.00900000
24° 26.222' S	152° 00.477' E	-24.43703333	152.00795000
24° 25.647' S	152° 00.186' E	-24.42745000	152.00310000

## Buffer Zones (Datum GDA94)

LATITUDE	LONGITUDE	Y_COORD	X_COORD
<b>B-12-3001</b>	<b>Pascoe River</b>		
12° 28.941' S	143° 16.616' E	-12.48235000	143.27693333
12° 28.941' S	143° 17.996' E	-12.48235000	143.29993333
12° 29.798' S	143° 17.996' E	-12.49663333	143.29993333
12° 31.170' S	143° 19.287' E	-12.51950000	143.32145000
12° 31.170' S	143° 17.205' E	-12.51950000	143.28675000
<b>B-12-3002</b>	<b>Cat Reef (12-143) surrounds</b>		
12° 58.467' S	143° 50.507' E	-12.97445000	143.84178333
12° 58.467' S	143° 50.961' E	-12.97445000	143.84935000
13° 00.246' S	143° 52.284' E	-13.00410000	143.87140000
13° 01.152' S	143° 52.274' E	-13.01920000	143.87123333
13° 01.152' S	143° 50.967' E	-13.01920000	143.84945000
12° 59.413' S	143° 49.544' E	-12.99021667	143.82573333
<b>B-14-3004</b>	<b>King Island Reef (14-018) surrounds</b>		
14° 04.749' S	144° 19.735' E	-14.07915000	144.32891667
14° 04.749' S	144° 20.736' E	-14.07915000	144.34560000
14° 05.748' S	144° 20.736' E	-14.09580000	144.34560000
14° 06.249' S	144° 20.484' E	-14.10415000	144.34140000
14° 06.749' S	144° 19.485' E	-14.11248333	144.32475000
14° 06.749' S	144° 18.237' E	-14.11248333	144.30395000
14° 06.249' S	144° 18.237' E	-14.10415000	144.30395000
<b>B-14-3005</b>	<b>Offshore deep water areas from Day Reef to bottom of Ribbon Reef No. 6</b>		
14° 18.528' S	145° 39.237' E	-14.30880000	145.65395000
14° 59.910' S	146° 00.060' E	-14.99850000	146.00100000
15° 06.522' S	146° 02.674' E	-15.10870000	146.04456667
15° 06.522' S	145° 55.122' E	-15.10870000	145.91870000
15° 19.836' S	145° 55.122' E	-15.33060000	145.91870000
15° 19.836' S	145° 47.063' E	-15.33060000	145.78438333
15° 20.448' S	145° 44.976' E	-15.34080000	145.74960000
15° 20.074' S	145° 45.329' E	-15.33456667	145.75548333
15° 19.268' S	145° 45.951' E	-15.32113333	145.76585000
15° 19.236' S	145° 46.147' E	-15.32060000	145.76911667
15° 19.106' S	145° 46.344' E	-15.31843333	145.77240000
15° 18.858' S	145° 46.425' E	-15.31430000	145.77375000
15° 18.225' S	145° 46.114' E	-15.30375000	145.76856667
15° 18.096' S	145° 45.872' E	-15.30160000	145.76453333
15° 18.096' S	145° 45.449' E	-15.30160000	145.75748333
15° 17.716' S	145° 45.736' E	-15.29526667	145.76226667
15° 17.574' S	145° 45.768' E	-15.29290000	145.76280000
15° 16.821' S	145° 45.575' E	-15.28035000	145.75958333
15° 16.427' S	145° 45.585' E	-15.27378333	145.75975000
15° 15.720' S	145° 45.359' E	-15.26200000	145.75598333

15° 15.581' S	145° 45.348' E	-15.25968333	145.75580000
15° 15.444' S	145° 45.135' E	-15.25740000	145.75225000
15° 15.390' S	145° 44.871' E	-15.25650000	145.74785000
15° 15.120' S	145° 44.721' E	-15.25200000	145.74535000
15° 14.119' S	145° 44.721' E	-15.23531667	145.74535000
15° 13.817' S	145° 45.078' E	-15.23028333	145.75130000
15° 13.509' S	145° 45.114' E	-15.22515000	145.75190000
15° 13.346' S	145° 45.002' E	-15.22243333	145.75003333
15° 12.864' S	145° 44.952' E	-15.21440000	145.74920000
15° 12.551' S	145° 45.221' E	-15.20918333	145.75368333
15° 12.146' S	145° 45.234' E	-15.20243333	145.75390000
15° 11.859' S	145° 44.645' E	-15.19765000	145.74408333
15° 11.402' S	145° 44.417' E	-15.19003333	145.74028333
15° 11.400' S	145° 45.000' E	-15.19000000	145.75000000
15° 01.416' S	145° 45.000' E	-15.02360000	145.75000000
15° 01.416' S	145° 43.767' E	-15.02360000	145.72945000
14° 57.135' S	145° 43.767' E	-14.95225000	145.72945000
14° 57.135' S	145° 42.136' E	-14.95225000	145.70226667
14° 58.323' S	145° 41.493' E	-14.97205000	145.69155000
14° 58.323' S	145° 40.127' E	-14.97205000	145.66878333
14° 55.985' S	145° 40.127' E	-14.93308333	145.66878333
14° 55.985' S	145° 40.353' E	-14.93308333	145.67255000
14° 56.062' S	145° 40.353' E	-14.93436667	145.67255000
14° 56.203' S	145° 40.479' E	-14.93671667	145.67465000
14° 56.250' S	145° 40.646' E	-14.93750000	145.67743333
14° 56.264' S	145° 40.830' E	-14.93773333	145.68050000
14° 56.172' S	145° 41.235' E	-14.93620000	145.68725000
14° 56.097' S	145° 41.412' E	-14.93495000	145.69020000
14° 55.978' S	145° 41.511' E	-14.93296667	145.69185000
14° 55.977' S	145° 41.793' E	-14.93295000	145.69655000
14° 55.703' S	145° 41.988' E	-14.92838333	145.69980000
14° 55.703' S	145° 42.438' E	-14.92838333	145.70730000
14° 55.548' S	145° 42.861' E	-14.92580000	145.71435000
14° 55.224' S	145° 43.256' E	-14.92040000	145.72093333
14° 54.309' S	145° 43.677' E	-14.90515000	145.72795000
14° 53.183' S	145° 44.030' E	-14.88638333	145.73383333
14° 52.153' S	145° 44.157' E	-14.86921667	145.73595000
14° 50.703' S	145° 44.058' E	-14.84505000	145.73430000
14° 49.184' S	145° 43.692' E	-14.81973333	145.72820000
14° 46.775' S	145° 43.284' E	-14.77958333	145.72140000
14° 45.888' S	145° 43.044' E	-14.76480000	145.71740000
14° 44.984' S	145° 42.903' E	-14.74973333	145.71505000
14° 44.518' S	145° 42.558' E	-14.74196667	145.70930000
14° 44.211' S	145° 42.453' E	-14.73685000	145.70755000
14° 42.576' S	145° 42.216' E	-14.70960000	145.70360000
14° 42.156' S	145° 41.946' E	-14.70260000	145.69910000
14° 42.000' S	145° 41.635' E	-14.70000000	145.69391667
14° 41.556' S	145° 41.124' E	-14.69260000	145.68540000
14° 40.844' S	145° 40.909' E	-14.68073333	145.68181667
14° 40.719' S	145° 40.566' E	-14.67865000	145.67610000
14° 40.422' S	145° 40.355' E	-14.67370000	145.67258333
14° 39.806' S	145° 40.157' E	-14.66343333	145.66928333
14° 39.601' S	145° 39.978' E	-14.66001667	145.66630000
14° 39.402' S	145° 39.530' E	-14.65670000	145.65883333
14° 39.905' S	145° 38.514' E	-14.66508333	145.64190000
14° 39.943' S	145° 38.534' E	-14.66571667	145.64223333



14° 40.021' S	145° 38.684' E	-14.66701667	145.64473333
14° 40.176' S	145° 38.879' E	-14.66960000	145.64798333
14° 40.188' S	145° 39.098' E	-14.66980000	145.65163333
14° 40.993' S	145° 38.508' E	-14.68321667	145.64180000
14° 37.571' S	145° 36.771' E	-14.62618333	145.61285000
14° 37.046' S	145° 36.595' E	-14.61743333	145.60991667
14° 36.938' S	145° 36.987' E	-14.61563333	145.61645000
14° 37.411' S	145° 37.258' E	-14.62351667	145.62096667
14° 37.537' S	145° 37.498' E	-14.62561667	145.62496667
14° 37.644' S	145° 37.902' E	-14.62740000	145.63170000
14° 37.587' S	145° 38.078' E	-14.62645000	145.63463333
14° 37.479' S	145° 38.224' E	-14.62465000	145.63706667
14° 37.350' S	145° 38.303' E	-14.62250000	145.63838333
14° 37.153' S	145° 38.205' E	-14.61921667	145.63675000
14° 36.888' S	145° 38.174' E	-14.61480000	145.63623333
14° 36.654' S	145° 38.046' E	-14.61090000	145.63410000
14° 36.054' S	145° 37.923' E	-14.60090000	145.63205000
14° 35.763' S	145° 38.058' E	-14.59605000	145.63430000
14° 35.267' S	145° 37.959' E	-14.58778333	145.63265000
14° 34.911' S	145° 37.702' E	-14.58185000	145.62836667
14° 34.849' S	145° 37.518' E	-14.58081667	145.62530000
14° 34.233' S	145° 37.133' E	-14.57055000	145.61888333
14° 34.170' S	145° 37.000' E	-14.56950000	145.61666667
14° 34.295' S	145° 36.835' E	-14.57158333	145.61391667
14° 34.469' S	145° 36.759' E	-14.57448333	145.61265000
14° 34.681' S	145° 36.530' E	-14.57801667	145.60883333
14° 34.872' S	145° 36.610' E	-14.58120000	145.61016667
14° 34.890' S	145° 36.572' E	-14.58150000	145.60953333
14° 34.937' S	145° 36.586' E	-14.58228333	145.60976667
14° 35.131' S	145° 36.610' E	-14.58551667	145.61016667
14° 35.496' S	145° 36.804' E	-14.59160000	145.61340000
14° 35.855' S	145° 37.136' E	-14.59758333	145.61893333
14° 35.982' S	145° 37.185' E	-14.59970000	145.61975000
14° 35.982' S	145° 36.240' E	-14.59970000	145.60400000
14° 34.989' S	145° 35.910' E	-14.58315000	145.59850000
14° 34.910' S	145° 35.848' E	-14.58183333	145.59746667
14° 33.073' S	145° 38.224' E	-14.55121667	145.63706667
14° 29.879' S	145° 35.407' E	-14.49798333	145.59011667
14° 31.641' S	145° 33.543' E	-14.52735000	145.55905000
14° 31.458' S	145° 32.208' E	-14.52430000	145.53680000
14° 31.379' S	145° 32.060' E	-14.52298333	145.53433333
14° 31.297' S	145° 33.491' E	-14.52161667	145.55818333
14° 30.952' S	145° 33.960' E	-14.51586667	145.56600000
14° 30.363' S	145° 33.897' E	-14.50605000	145.56495000
14° 28.210' S	145° 32.101' E	-14.47016667	145.53501667
14° 28.173' S	145° 31.252' E	-14.46955000	145.52086667
14° 28.386' S	145° 30.877' E	-14.47310000	145.51461667
14° 27.761' S	145° 31.128' E	-14.46268333	145.51880000

**South Direction  
Island (14-147)**

**B-14-3006**

**surrounds**

14° 48.123' S	145° 30.021' E	-14.80205000	145.50035000
14° 48.123' S	145° 31.985' E	-14.80205000	145.53308333
14° 50.340' S	145° 31.985' E	-14.83900000	145.53308333
14° 50.340' S	145° 30.021' E	-14.83900000	145.50035000

**Ribbon Reef No.  
5 patches (15-  
042) and inter-  
reefal areas**

**B-15-3007**

15° 24.338' S	145° 45.512' E	-15.40563333	145.75853333
15° 24.338' S	145° 46.757' E	-15.40563333	145.77928333
15° 24.885' S	145° 46.757' E	-15.41475000	145.77928333
15° 24.891' S	145° 45.512' E	-15.41485000	145.75853333

**Ribbon Reef No.  
2 and 3 inter-  
reefal areas**

**B-15-3008**

15° 29.460' S	145° 45.000' E	-15.49100000	145.75000000
15° 29.460' S	145° 46.292' E	-15.49100000	145.77153333
15° 31.973' S	145° 46.292' E	-15.53288333	145.77153333
15° 31.973' S	145° 47.100' E	-15.53288333	145.78500000
15° 30.704' S	145° 48.417' E	-15.51173333	145.80695000
15° 29.460' S	145° 48.856' E	-15.49100000	145.81426667
15° 29.460' S	145° 50.220' E	-15.49100000	145.83700000
15° 35.331' S	145° 50.220' E	-15.58885000	145.83700000
15° 35.331' S	145° 45.000' E	-15.58885000	145.75000000

**Endeavour Reef  
(15-089) -  
northern inter-  
reefal area**

**B-15-3009**

15° 45.000' S	145° 30.000' E	-15.75000000	145.50000000
15° 45.000' S	145° 34.984' E	-15.75000000	145.58306667
15° 45.000' S	145° 38.907' E	-15.75000000	145.64845000
15° 47.470' S	145° 39.438' E	-15.79116667	145.65730000
15° 47.470' S	145° 38.850' E	-15.79116667	145.64750000
15° 49.585' S	145° 38.850' E	-15.82641667	145.64750000
15° 47.479' S	145° 37.992' E	-15.79131667	145.63320000
15° 46.353' S	145° 38.057' E	-15.77255000	145.63428333
15° 46.070' S	145° 37.895' E	-15.76783333	145.63158333
15° 45.738' S	145° 36.024' E	-15.76230000	145.60040000
15° 45.819' S	145° 35.076' E	-15.76365000	145.58460000
15° 46.110' S	145° 34.509' E	-15.76850000	145.57515000
15° 46.110' S	145° 33.586' E	-15.76850000	145.55976667
15° 45.786' S	145° 33.003' E	-15.76310000	145.55005000
15° 45.786' S	145° 32.291' E	-15.76310000	145.53818333
15° 46.477' S	145° 31.957' E	-15.77461667	145.53261667
15° 47.390' S	145° 32.026' E	-15.78983333	145.53376667
15° 47.390' S	145° 30.000' E	-15.78983333	145.50000000

**Offshore  
Agincourt Reefs**

**B-15-3010**

15° 54.726' S	145° 50.055' E	-15.91210000	145.83425000
15° 54.726' S	145° 57.585' E	-15.91210000	145.95975000
16° 04.800' S	145° 57.585' E	-16.08000000	145.95975000
16° 04.800' S	145° 53.299' E	-16.08000000	145.88831667

**Offshore  
Townsville -  
adjacent to  
Marine Park  
boundary**

**B-17-3011**

17° 44.727' S	147° 24.015' E	-17.74545000	147.40025000
18° 07.309' S	148° 00.839' E	-18.12181667	148.01398333
18° 24.960' S	147° 47.274' E	-18.41600000	147.78790000
17° 59.495' S	147° 07.653' E	-17.99158333	147.12755000

**Capricorn**

**B-22-3012**

**Channel**

22° 59.962' S	152° 43.908' E	-22.99936667	152.73180000
22° 59.962' S	152° 54.615' E	-22.99936667	152.91025000
23° 33.351' S	152° 54.615' E	-23.55585000	152.91025000
24° 08.364' S	153° 41.299' E	-24.13940000	153.68831667
24° 29.904' S	153° 41.299' E	-24.49840000	153.68831667
24° 29.904' S	153° 29.982' E	-24.49840000	153.49970000
24° 17.985' S	153° 29.982' E	-24.29975000	153.49970000
23° 37.986' S	152° 43.908' E	-23.63310000	152.73180000

## Conservation Zones (Datum GDA94)

LATITUDE	LONGITUDE	Y_COORD	X_COORD
<b>Captain Billy</b>			
<b>CP-11-4001</b>	<b>Landing</b>		
11° 31.895' S	142° 50.195' E	-11.53158333	142.83658333
11° 31.895' S	142° 53.040' E	-11.53158333	142.88400000
11° 38.913' S	142° 53.564' E	-11.64855000	142.89273333
11° 38.913' S	142° 51.483' E	-11.64855000	142.85805000
<b>CP-11-4002</b>	<b>Margaret Bay</b>		
11° 55.004' S	143° 08.665' E	-11.91673333	143.14441667
11° 55.004' S	143° 08.970' E	-11.91673333	143.14950000
11° 56.465' S	143° 12.131' E	-11.94108333	143.20218333
11° 56.931' S	143° 13.152' E	-11.94885000	143.21920000
11° 57.223' S	143° 13.152' E	-11.95371667	143.21920000
<b>CP-12-4003</b>	<b>Bolt Head</b>		
12° 14.313' S	143° 05.289' E	-12.23855000	143.08815000
12° 14.313' S	143° 06.276' E	-12.23855000	143.10460000
12° 16.051' S	143° 06.276' E	-12.26751667	143.10460000
12° 16.051' S	143° 05.397' E	-12.26751667	143.08995000
<b>Forbes Islands</b>			
<b>CP-12-4004</b>	<b>Reef (12-016b)</b>		
12° 16.440' S	143° 23.580' E	-12.27400000	143.39300000
12° 16.440' S	143° 25.500' E	-12.27400000	143.42500000
12° 18.360' S	143° 25.500' E	-12.30600000	143.42500000
12° 18.360' S	143° 23.580' E	-12.30600000	143.39300000
<b>Second Stony Point to Fair</b>			
<b>CP-12-4005</b>	<b>Cape</b>		
12° 18.545' S	143° 12.935' E	-12.30908333	143.21558333
12° 24.404' S	143° 17.640' E	-12.40673333	143.29400000
12° 24.404' S	143° 16.428' E	-12.40673333	143.27380000
12° 21.774' S	143° 12.936' E	-12.36290000	143.21560000
<b>CP-12-4006</b>	<b>Glennie Inlet</b>		
12° 19.716' S	143° 04.786' E	-12.32860000	143.07976667
12° 20.283' S	143° 06.941' E	-12.33805000	143.11568333
<b>CP-12-4007</b>	<b>Lloyd Bay</b>		
12° 43.050' S	143° 23.316' E	-12.71750000	143.38860000
12° 45.501' S	143° 24.457' E	-12.75835000	143.40761667
12° 48.000' S	143° 25.622' E	-12.80000000	143.42703333
12° 50.919' S	143° 26.982' E	-12.84865000	143.44970000
<b>CP-13-4008</b>	<b>Bobardt Point</b>		
13° 08.880' S	143° 30.458' E	-13.14800000	143.50763333
13° 08.880' S	143° 33.600' E	-13.14800000	143.56000000
13° 09.990' S	143° 34.020' E	-13.16650000	143.56700000
13° 12.095' S	143° 34.020' E	-13.20158333	143.56700000
13° 12.095' S	143° 31.032' E	-13.20158333	143.51720000
<b>Port Stewart coastal area</b>			
<b>CP-13-4009</b>			
13° 51.365' S	143° 35.400' E	-13.85608333	143.59000000
13° 51.365' S	143° 39.988' E	-13.85608333	143.66646667
14° 12.217' S	143° 47.079' E	-14.20361667	143.78465000
14° 13.422' S	143° 42.489' E	-14.22370000	143.70815000

**Bathurst Bay  
and Flinders**

**CP-14-4010**

**Island Group**

14° 07.440' S	144° 13.680' E	-14.12400000	144.22800000
14° 07.440' S	144° 14.289' E	-14.12400000	144.23815000
14° 08.740' S	144° 16.405' E	-14.14566667	144.27341667
14° 10.041' S	144° 17.280' E	-14.16735000	144.28800000
14° 13.800' S	144° 17.280' E	-14.23000000	144.28800000
14° 08.322' S	144° 28.908' E	-14.13870000	144.48180000
14° 08.309' S	144° 29.081' E	-14.13848333	144.48468333
14° 08.410' S	144° 29.290' E	-14.14016667	144.48816667
14° 08.913' S	144° 29.807' E	-14.14855000	144.49678333
14° 08.912' S	144° 30.024' E	-14.14853333	144.50040000
14° 09.970' S	144° 30.024' E	-14.16616667	144.50040000
14° 15.642' S	144° 11.760' E	-14.26070000	144.19600000
14° 14.874' S	144° 11.760' E	-14.24790000	144.19600000
14° 10.466' S	144° 11.758' E	-14.17443333	144.19596667

**CP-14-4014**

**Running Creek**

14° 16.518' S	143° 43.998' E	-14.27530000	143.73330000
14° 17.924' S	143° 44.304' E	-14.29873333	143.73840000
14° 17.947' S	143° 44.189' E	-14.29911667	143.73648333
14° 16.536' S	143° 43.846' E	-14.27560000	143.73076667
14° 16.533' S	143° 43.894' E	-14.27555000	143.73156667

**CP-14-4015**

**Ninian Bay**

14° 20.040' S	144° 36.942' E	-14.33400000	144.61570000
14° 20.040' S	144° 38.820' E	-14.33400000	144.64700000
14° 20.040' S	144° 39.253' E	-14.33400000	144.65421667
14° 20.842' S	144° 39.720' E	-14.34736667	144.66200000
14° 21.960' S	144° 39.720' E	-14.36600000	144.66200000
14° 21.960' S	144° 38.992' E	-14.36600000	144.64986667
14° 21.920' S	144° 35.763' E	-14.36533333	144.59605000

**CP-14-4016**

**Howick Group**

14° 29.260' S	144° 56.612' E	-14.48766667	144.94353333
14° 29.260' S	144° 58.781' E	-14.48766667	144.97968333
14° 30.000' S	145° 00.237' E	-14.50000000	145.00395000
14° 33.000' S	145° 00.237' E	-14.55000000	145.00395000
14° 33.000' S	144° 58.986' E	-14.55000000	144.98310000
14° 31.968' S	144° 57.621' E	-14.53280000	144.96035000
14° 30.604' S	144° 56.823' E	-14.51006667	144.94705000
14° 30.000' S	144° 56.612' E	-14.50000000	144.94353333

**Yonge Reef (14-**

**CP-14-4017**

**138) - lee side**

14° 35.982' S	145° 36.240' E	-14.59970000	145.60400000
14° 35.982' S	145° 37.185' E	-14.59970000	145.61975000
14° 35.982' S	145° 37.403' E	-14.59970000	145.62338333
14° 36.040' S	145° 37.428' E	-14.60066667	145.62380000
14° 36.794' S	145° 37.568' E	-14.61323333	145.62613333
14° 37.163' S	145° 37.524' E	-14.61938333	145.62540000
14° 37.143' S	145° 37.359' E	-14.61905000	145.62265000
14° 37.029' S	145° 37.211' E	-14.61715000	145.62018333
14° 36.949' S	145° 37.188' E	-14.61581667	145.61980000
14° 36.984' S	145° 37.072' E	-14.61640000	145.61786667
14° 36.938' S	145° 36.987' E	-14.61563333	145.61645000
14° 37.046' S	145° 36.595' E	-14.61743333	145.60991667

**Lizard Island  
Reef (14-116b):  
Mermaid Bay to  
Pigeon Point**

**CP-14-4018**

14° 38.375' S	145° 27.060' E	-14.63958333	145.45100000
14° 38.375' S	145° 27.465' E	-14.63958333	145.45775000
14° 39.758' S	145° 29.046' E	-14.66263333	145.48410000
14° 40.560' S	145° 29.046' E	-14.67600000	145.48410000
14° 40.560' S	145° 28.501' E	-14.67600000	145.47501667
14° 38.813' S	145° 27.060' E	-14.64688333	145.45100000

**Starcke River  
mouth**

**CP-14-4019**

14° 46.826' S	145° 01.069' E	-14.78043333	145.01781667
14° 46.826' S	145° 01.147' E	-14.78043333	145.01911667
14° 46.941' S	145° 01.335' E	-14.78235000	145.02225000
14° 47.111' S	145° 01.414' E	-14.78518333	145.02356667
14° 47.229' S	145° 01.386' E	-14.78715000	145.02310000
14° 47.359' S	145° 01.321' E	-14.78931667	145.02201667
14° 47.426' S	145° 01.337' E	-14.79043333	145.02228333
14° 47.540' S	145° 01.403' E	-14.79233333	145.02338333
14° 47.653' S	145° 01.495' E	-14.79421667	145.02491667
14° 47.688' S	145° 01.596' E	-14.79480000	145.02660000

**Lookout Point**

**CP-14-4114**

**coastal area**

14° 49.824' S	145° 13.447' E	-14.83040000	145.22411667
14° 49.824' S	145° 13.557' E	-14.83040000	145.22595000
14° 50.269' S	145° 11.862' E	-14.83781667	145.19770000
14° 50.269' S	145° 11.934' E	-14.83781667	145.19890000
14° 50.283' S	145° 12.132' E	-14.83805000	145.20220000
14° 50.235' S	145° 12.771' E	-14.83725000	145.21285000
14° 50.248' S	145° 13.174' E	-14.83746667	145.21956667
14° 50.210' S	145° 13.308' E	-14.83683333	145.22180000
14° 50.127' S	145° 13.325' E	-14.83545000	145.22208333
14° 50.013' S	145° 13.405' E	-14.83355000	145.22341667
14° 49.944' S	145° 13.405' E	-14.83240000	145.22341667
14° 49.887' S	145° 13.447' E	-14.83145000	145.22411667

**CP-15-4020**

**Bedford Bay**

15° 04.832' S	145° 15.980' E	-15.08053333	145.26633333
15° 07.751' S	145° 17.420' E	-15.12918333	145.29033333
15° 08.748' S	145° 17.914' E	-15.14580000	145.29856667
15° 12.498' S	145° 19.765' E	-15.20830000	145.32941667
15° 13.248' S	145° 20.139' E	-15.22080000	145.33565000
15° 13.607' S	145° 20.315' E	-15.22678333	145.33858333

**Endeavour River  
mouth**

**CP-15-4021**

15° 22.717' S	145° 17.220' E	-15.37861667	145.28700000
15° 28.248' S	145° 16.986' E	-15.47080000	145.28310000
15° 28.380' S	145° 16.980' E	-15.47300000	145.28300000
15° 29.455' S	145° 16.980' E	-15.49091667	145.28300000
15° 29.499' S	145° 16.969' E	-15.49165000	145.28281667
15° 29.648' S	145° 16.935' E	-15.49413333	145.28225000

**Boulder Reef (15-  
012) and Egret**

**CP-15-4022**

**Reef (15-013)**

15° 22.800' S	145° 23.280' E	-15.38000000	145.38800000
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15° 22.800' S	145° 27.360' E	-15.38000000	145.45600000
15° 29.993' S	145° 27.360' E	-15.49988333	145.45600000
15° 29.993' S	145° 23.280' E	-15.49988333	145.38800000

**Forsberg Point**

**CP-15-4024**

**to Obree Point**

15° 39.720' S	145° 19.848' E	-15.66200000	145.33080000
15° 39.720' S	145° 20.580' E	-15.66200000	145.34300000
15° 40.560' S	145° 20.698' E	-15.67600000	145.34496667
15° 41.820' S	145° 21.780' E	-15.69700000	145.36300000
15° 43.200' S	145° 22.320' E	-15.72000000	145.37200000
15° 45.300' S	145° 22.620' E	-15.75500000	145.37700000
15° 45.805' S	145° 22.569' E	-15.76341667	145.37615000
15° 45.805' S	145° 22.128' E	-15.76341667	145.36880000

**CP-15-4025**

**Hope Islands**

15° 42.956' S	145° 28.005' E	-15.71593333	145.46675000
15° 44.520' S	145° 28.560' E	-15.74200000	145.47600000
15° 45.840' S	145° 26.928' E	-15.76400000	145.44880000
15° 45.840' S	145° 25.620' E	-15.76400000	145.42700000
15° 42.960' S	145° 25.620' E	-15.71600000	145.42700000

**Pickersgill Reef**

**CP-15-4026**

**(15-093)**

15° 50.400' S	145° 30.000' E	-15.84000000	145.50000000
15° 50.400' S	145° 36.600' E	-15.84000000	145.61000000
15° 55.200' S	145° 36.600' E	-15.92000000	145.61000000
15° 55.201' S	145° 30.000' E	-15.92001667	145.50000000

**CP-15-4027**

**Weary Bay**

15° 51.144' S	145° 22.286' E	-15.85240000	145.37143333
15° 51.144' S	145° 22.754' E	-15.85240000	145.37923333
15° 55.201' S	145° 22.754' E	-15.92001667	145.37923333
15° 55.201' S	145° 24.276' E	-15.92001667	145.40460000
15° 56.465' S	145° 24.276' E	-15.94108333	145.40460000

**Cape Tribulation**

**CP-16-4028**

**to Baileys Point**

16° 04.853' S	145° 28.500' E	-16.08088333	145.47500000
16° 04.853' S	145° 28.860' E	-16.08088333	145.48100000
16° 08.280' S	145° 27.660' E	-16.13800000	145.46100000
16° 10.020' S	145° 27.240' E	-16.16700000	145.45400000
16° 11.820' S	145° 27.239' E	-16.19700000	145.45398333
16° 11.820' S	145° 27.660' E	-16.19700000	145.46100000
16° 12.600' S	145° 28.560' E	-16.21000000	145.47600000
16° 13.350' S	145° 28.560' E	-16.22250000	145.47600000
16° 13.350' S	145° 28.263' E	-16.22250000	145.47105000

**North Opal Reef**

**CP-16-4029**

**(16-025)**

16° 09.840' S	145° 53.224' E	-16.16400000	145.88706667
16° 11.083' S	145° 55.564' E	-16.18471667	145.92606667
16° 12.939' S	145° 55.564' E	-16.21565000	145.92606667
16° 12.939' S	145° 51.033' E	-16.21565000	145.85055000

**Snapper Island**

**CP-16-4030**

**Wreck**

16° 15.987' S	145° 33.569' E	-16.26645000	145.55948333
16° 15.987' S	145° 34.071' E	-16.26645000	145.56785000
16° 16.738' S	145° 34.071' E	-16.27896667	145.56785000
16° 16.738' S	145° 33.569' E	-16.27896667	145.55948333

**Snapper Island  
Reef (16-006)**

<b>CP-16-4031</b>			
16° 17.242' S	145° 29.223' E	-16.28736667	145.48705000
16° 17.242' S	145° 29.829' E	-16.28736667	145.49715000
16° 17.883' S	145° 30.695' E	-16.29805000	145.51158333
16° 18.570' S	145° 30.690' E	-16.30950000	145.51150000
16° 18.566' S	145° 29.231' E	-16.30943333	145.48718333

**Port Douglas to  
Yule Point**

<b>CP-16-4032</b>	<b>coastal area</b>		
16° 27.498' S	145° 24.539' E	-16.45830000	145.40898333
16° 27.498' S	145° 27.960' E	-16.45830000	145.46600000
16° 27.498' S	145° 28.707' E	-16.45830000	145.47845000
16° 30.006' S	145° 28.707' E	-16.50010000	145.47845000
16° 30.001' S	145° 31.920' E	-16.50001667	145.53200000
16° 33.960' S	145° 33.722' E	-16.56600000	145.56203333
16° 34.659' S	145° 32.204' E	-16.57765000	145.53673333
16° 36.870' S	145° 32.204' E	-16.61450000	145.53673333

**Oyster Reef (16-  
043a) and  
Vlasoff Reef (16-**

<b>CP-16-4033</b>	<b>044b)</b>		
16° 35.562' S	145° 56.981' E	-16.59270000	145.94968333
16° 36.592' S	145° 56.981' E	-16.60986667	145.94968333
16° 37.425' S	145° 57.819' E	-16.62375000	145.96365000
16° 37.425' S	146° 00.790' E	-16.62375000	146.01316667
16° 40.104' S	146° 00.790' E	-16.66840000	146.01316667
16° 40.104' S	145° 57.592' E	-16.66840000	145.95986667
16° 42.002' S	145° 56.835' E	-16.70003333	145.94725000
16° 42.002' S	145° 56.238' E	-16.70003333	145.93730000
16° 42.002' S	145° 55.200' E	-16.70003333	145.92000000
16° 38.400' S	145° 54.000' E	-16.64000000	145.90000000

<b>CP-16-4034</b>	<b>Hartleys Creek</b>		
16° 38.719' S	145° 34.083' E	-16.64531667	145.56805000
16° 38.883' S	145° 34.096' E	-16.64805000	145.56826667
16° 39.030' S	145° 34.143' E	-16.65050000	145.56905000
16° 39.132' S	145° 34.189' E	-16.65220000	145.56981667
16° 39.204' S	145° 34.215' E	-16.65340000	145.57025000
16° 39.292' S	145° 34.267' E	-16.65486667	145.57111667
16° 39.482' S	145° 34.319' E	-16.65803333	145.57198333
16° 39.570' S	145° 34.332' E	-16.65950000	145.57220000
16° 39.570' S	145° 34.213' E	-16.65950000	145.57021667
16° 38.721' S	145° 33.969' E	-16.64535000	145.56615000

**Flynn Reef (16-  
065)**

<b>CP-16-4035</b>			
16° 42.804' S	146° 15.138' E	-16.71340000	146.25230000
16° 42.804' S	146° 17.331' E	-16.71340000	146.28885000
16° 44.626' S	146° 17.331' E	-16.74376667	146.28885000
16° 44.626' S	146° 15.138' E	-16.74376667	146.25230000

**Thetford Reef  
(16-068)**

<b>CP-16-4036</b>			
16° 46.800' S	146° 09.600' E	-16.78000000	146.16000000
16° 46.800' S	146° 12.253' E	-16.78000000	146.20421667
16° 49.245' S	146° 12.253' E	-16.82075000	146.20421667
16° 49.245' S	146° 09.600' E	-16.82075000	146.16000000



**Mission Bay  
(Yarrabah)**

<b>CP-16-4037</b>			
16° 51.605' S	145° 54.897' E	-16.86008333	145.91495000
16° 51.605' S	145° 54.998' E	-16.86008333	145.91663333
16° 51.851' S	145° 54.998' E	-16.86418333	145.91663333
16° 52.263' S	145° 50.964' E	-16.87105000	145.84940000
16° 52.215' S	145° 50.964' E	-16.87025000	145.84940000

**Elford Reef (16-073)**

<b>CP-16-4038</b>			
16° 53.996' S	146° 11.013' E	-16.89993333	146.18355000
16° 53.996' S	146° 16.344' E	-16.89993333	146.27240000
16° 53.996' S	146° 18.600' E	-16.89993333	146.31000000
16° 56.150' S	146° 18.600' E	-16.93583333	146.31000000
16° 56.150' S	146° 13.409' E	-16.93583333	146.22348333
16° 55.799' S	146° 13.409' E	-16.92998333	146.22348333
16° 55.799' S	146° 11.556' E	-16.92998333	146.19260000
16° 55.799' S	146° 11.013' E	-16.92998333	146.18355000

**Fitzroy and Little**

**Fitzroy Islands**

<b>CP-16-4039</b>			
16° 54.600' S	146° 01.200' E	-16.91000000	146.02000000
16° 57.000' S	146° 01.200' E	-16.95000000	146.02000000
16° 57.000' S	146° 00.000' E	-16.95000000	146.00000000
16° 57.000' S	145° 59.124' E	-16.95000000	145.98540000
16° 55.740' S	145° 58.620' E	-16.92900000	145.97700000
16° 54.601' S	145° 59.760' E	-16.91001667	145.99600000

**Flora Reef (17-010)**

<b>CP-17-4040</b>			
17° 09.606' S	146° 16.059' E	-17.16010000	146.26765000
17° 09.606' S	146° 19.200' E	-17.16010000	146.32000000
17° 12.818' S	146° 19.200' E	-17.21363333	146.32000000
17° 12.818' S	146° 16.750' E	-17.21363333	146.27916667
17° 12.825' S	146° 16.048' E	-17.21375000	146.26746667

**Adjacent to**

**Russell River**

<b>CP-17-4041</b>			
17° 12.000' S	146° 03.960' E	-17.20000000	146.06600000
17° 12.000' S	146° 06.001' E	-17.20000000	146.10001667
17° 14.280' S	146° 06.001' E	-17.23800000	146.10001667
17° 14.280' S	146° 03.960' E	-17.23800000	146.06600000

**Frankland Islands**

<b>CP-17-4042</b>			
17° 13.112' S	145° 58.189' E	-17.21853333	145.96981667
17° 13.212' S	145° 58.569' E	-17.22020000	145.97615000
17° 14.920' S	145° 58.558' E	-17.24866667	145.97596667

**Bramston Beach  
(Rocky Point)**

<b>CP-17-4043</b>			
17° 20.733' S	146° 01.155' E	-17.34555000	146.01925000
17° 21.606' S	146° 02.075' E	-17.36010000	146.03458333

**North Barnard Islands**

<b>CP-17-4044</b>			
17° 39.600' S	146° 09.660' E	-17.66000000	146.16100000
17° 39.600' S	146° 11.539' E	-17.66000000	146.19231667
17° 41.040' S	146° 11.485' E	-17.68400000	146.19141667
17° 41.040' S	146° 09.660' E	-17.68400000	146.16100000

**CP-17-4045 Mission Beach**

17° 52.561' S	146° 06.360' E	-17.87601667	146.10600000
17° 52.561' S	146° 10.209' E	-17.87601667	146.17015000
17° 54.601' S	146° 10.209' E	-17.91001667	146.17015000
17° 59.534' S	146° 11.964' E	-17.99223333	146.19940000
17° 59.534' S	146° 11.475' E	-17.99223333	146.19125000
18° 03.425' S	146° 11.475' E	-18.05708333	146.19125000
18° 02.124' S	146° 06.585' E	-18.03540000	146.10975000
17° 59.468' S	146° 06.585' E	-17.99113333	146.10975000
17° 58.687' S	146° 06.585' E	-17.97811667	146.10975000
17° 58.687' S	146° 06.081' E	-17.97811667	146.10135000

**Missionary Bay  
and Gould**

**CP-18-4046**

**Island**

18° 07.622' S	146° 13.837' E	-18.12703333	146.23061667
18° 11.778' S	146° 13.837' E	-18.19630000	146.23061667
18° 14.816' S	146° 04.238' E	-18.24693333	146.07063333
18° 14.816' S	146° 00.983' E	-18.24693333	146.01638333
18° 12.795' S	146° 00.778' E	-18.21325000	146.01296667
18° 08.507' S	146° 09.828' E	-18.14178333	146.16380000

**Eva Island Reef**

**CP-18-4047**

**(18-013)**

18° 12.958' S	146° 18.123' E	-18.21596667	146.30205000
18° 12.958' S	146° 19.860' E	-18.21596667	146.33100000
18° 14.393' S	146° 19.860' E	-18.23988333	146.33100000
18° 14.790' S	146° 19.455' E	-18.24650000	146.32425000
18° 14.790' S	146° 17.961' E	-18.24650000	146.29935000
18° 14.132' S	146° 18.123' E	-18.23553333	146.30205000

**Trunk Reef (18-**

**CP-18-4048**

**027)**

18° 16.800' S	146° 51.600' E	-18.28000000	146.86000000
18° 16.800' S	146° 53.067' E	-18.28000000	146.88445000
18° 16.800' S	146° 53.400' E	-18.28000000	146.89000000
18° 17.387' S	146° 53.988' E	-18.28978333	146.89980000
18° 17.400' S	146° 54.000' E	-18.29000000	146.90000000
18° 23.103' S	146° 54.001' E	-18.38505000	146.90001667
18° 25.200' S	146° 50.583' E	-18.42000000	146.84305000
18° 25.200' S	146° 46.728' E	-18.42000000	146.77880000
18° 22.200' S	146° 44.400' E	-18.37000000	146.74000000
18° 18.600' S	146° 47.400' E	-18.31000000	146.79000000
18° 18.600' S	146° 49.838' E	-18.31000000	146.83063333

**Needle Reef (18-**

**CP-18-4050**

**037)**

18° 20.471' S	147° 11.199' E	-18.34118333	147.18665000
18° 20.471' S	147° 13.033' E	-18.34118333	147.21721667
18° 22.622' S	147° 13.033' E	-18.37703333	147.21721667
18° 22.622' S	147° 11.199' E	-18.37703333	147.18665000

**CP-18-4051**

**Hillock Point**

18° 23.148' S	146° 20.117' E	-18.38580000	146.33528333
18° 23.163' S	146° 22.084' E	-18.38605000	146.36806667
18° 25.871' S	146° 22.084' E	-18.43118333	146.36806667
18° 26.640' S	146° 20.643' E	-18.44400000	146.34405000
18° 27.361' S	146° 20.403' E	-18.45601667	146.34005000
18° 29.760' S	146° 20.403' E	-18.49600000	146.34005000
18° 29.760' S	146° 19.777' E	-18.49600000	146.32961667
18° 29.760' S	146° 19.059' E	-18.49600000	146.31765000
18° 29.348' S	146° 19.059' E	-18.48913333	146.31765000

**John Brewer  
Reef (18-075)**

<b>CP-18-4052</b>			
18° 36.600' S	147° 01.203' E	-18.61000000	147.02005000
18° 36.600' S	147° 05.403' E	-18.61000000	147.09005000
18° 39.001' S	147° 05.403' E	-18.65001667	147.09005000
18° 39.600' S	147° 03.603' E	-18.66000000	147.06005000
18° 39.600' S	147° 02.403' E	-18.66000000	147.04005000
18° 39.000' S	147° 01.203' E	-18.65000000	147.02005000

**Orpheus Island  
Reef south-west  
(18-049b)**

<b>CP-18-4053</b>			
18° 36.894' S	146° 28.503' E	-18.61490000	146.47505000
18° 36.909' S	146° 28.997' E	-18.61515000	146.48328333
18° 40.032' S	146° 29.375' E	-18.66720000	146.48958333
18° 40.380' S	146° 29.375' E	-18.67300000	146.48958333
18° 40.380' S	146° 28.986' E	-18.67300000	146.48310000
18° 39.300' S	146° 28.503' E	-18.65500000	146.47505000

**Great Palm  
Island**

<b>CP-18-4054</b>			
18° 40.320' S	146° 34.410' E	-18.67200000	146.57350000
18° 40.320' S	146° 35.280' E	-18.67200000	146.58800000
18° 44.809' S	146° 43.554' E	-18.74681667	146.72590000
18° 47.856' S	146° 43.554' E	-18.79760000	146.72590000
18° 47.856' S	146° 41.992' E	-18.79760000	146.69986667
18° 47.499' S	146° 41.992' E	-18.79165000	146.69986667
18° 47.499' S	146° 33.599' E	-18.79165000	146.55998333
18° 45.840' S	146° 33.840' E	-18.76400000	146.56400000
18° 45.041' S	146° 33.840' E	-18.75068333	146.56400000
18° 45.041' S	146° 33.994' E	-18.75068333	146.56656667
18° 40.594' S	146° 34.419' E	-18.67656667	146.57365000

**Palm  
Creek/Titch**

<b>CP-18-4055</b>			
18° 44.970' S	146° 17.268' E	-18.74950000	146.28780000
18° 44.972' S	146° 18.344' E	-18.74953333	146.30573333
18° 47.383' S	146° 18.336' E	-18.78971667	146.30560000
18° 47.383' S	146° 16.835' E	-18.78971667	146.28058333

**Davies Reef (18-  
096)**

<b>CP-18-4056</b>			
18° 45.419' S	147° 37.869' E	-18.75698333	147.63115000
18° 49.437' S	147° 42.239' E	-18.82395000	147.70398333
18° 52.635' S	147° 38.616' E	-18.87725000	147.64360000
18° 49.606' S	147° 35.587' E	-18.82676667	147.59311667
18° 46.200' S	147° 35.587' E	-18.77000000	147.59311667

**Magnetic Island -  
Arthur Bay**

<b>CP-19-4057</b>			
19° 07.713' S	146° 52.841' E	-19.12855000	146.88068333
19° 07.914' S	146° 52.585' E	-19.13190000	146.87641667

**Pallarenda/Cleve  
land Bay**

<b>CP-19-4058</b>			
19° 10.902' S	146° 50.864' E	-19.18170000	146.84773333
19° 11.284' S	146° 51.276' E	-19.18806667	146.85460000
19° 14.434' S	146° 47.465' E	-19.24056667	146.79108333
19° 10.574' S	146° 38.813' E	-19.17623333	146.64688333
19° 07.835' S	146° 46.788' E	-19.13058333	146.77980000

**Cleveland  
Bay/Cape**

**CP-19-4059**

19° 10.081' S	147° 04.563' E	-19.16801667	147.07605000
19° 15.156' S	147° 04.147' E	-19.25260000	147.06911667
19° 15.308' S	147° 04.147' E	-19.25513333	147.06911667
19° 15.308' S	147° 03.603' E	-19.25513333	147.06005000
19° 17.383' S	146° 51.882' E	-19.28971667	146.86470000
19° 10.800' S	147° 00.720' E	-19.18000000	147.01200000

**CP-19-4060**

**Chunda Bay**

19° 16.908' S	147° 02.707' E	-19.28180000	147.04511667
19° 16.920' S	147° 02.944' E	-19.28200000	147.04906667
19° 17.544' S	147° 02.944' E	-19.29240000	147.04906667
19° 17.544' S	147° 02.550' E	-19.29240000	147.04250000

**Cape Bowling**

**CP-19-4061**

**Green**

19° 18.000' S	147° 22.679' E	-19.30000000	147.37798333
19° 18.000' S	147° 24.723' E	-19.30000000	147.41205000
19° 21.878' S	147° 28.346' E	-19.36463333	147.47243333
19° 26.866' S	147° 31.292' E	-19.44776667	147.52153333
19° 26.866' S	147° 28.825' E	-19.44776667	147.48041667
19° 22.611' S	147° 26.880' E	-19.37685000	147.44800000
19° 22.611' S	147° 23.597' E	-19.37685000	147.39328333
19° 19.176' S	147° 23.597' E	-19.31960000	147.39328333
19° 19.176' S	147° 22.679' E	-19.31960000	147.37798333

**Old Reef (19-**

**CP-19-4062**

**048)**

19° 18.999' S	147° 58.755' E	-19.31665000	147.97925000
19° 18.999' S	148° 01.989' E	-19.31665000	148.03315000
19° 22.137' S	148° 09.021' E	-19.36895000	148.15035000
19° 26.376' S	148° 09.021' E	-19.43960000	148.15035000
19° 26.376' S	147° 58.755' E	-19.43960000	147.97925000

**Bowling Green**

**CP-19-4063**

**Bay - west**

19° 23.282' S	147° 06.810' E	-19.38803333	147.11350000
19° 23.282' S	147° 15.684' E	-19.38803333	147.26140000
19° 25.673' S	147° 15.684' E	-19.42788333	147.26140000

**CP-19-4064**

**Cape Upstart**

19° 41.844' S	147° 44.344' E	-19.69740000	147.73906667
19° 41.844' S	147° 49.406' E	-19.69740000	147.82343333
19° 43.621' S	147° 51.390' E	-19.72701667	147.85650000
19° 43.621' S	147° 50.698' E	-19.72701667	147.84496667
19° 49.578' S	147° 46.321' E	-19.82630000	147.77201667
19° 49.578' S	147° 44.344' E	-19.82630000	147.73906667
19° 45.099' S	147° 44.344' E	-19.75165000	147.73906667

**Holbourne**

**CP-19-4065**

**Island**

19° 43.095' S	148° 20.378' E	-19.71825000	148.33963333
19° 43.095' S	148° 22.310' E	-19.71825000	148.37183333
19° 44.529' S	148° 22.310' E	-19.74215000	148.37183333
19° 44.529' S	148° 20.378' E	-19.74215000	148.33963333

**Hook Reef (19-**

**CP-19-4067**

**136a)**

19° 43.758' S	149° 10.302' E	-19.72930000	149.17170000
19° 43.862' S	149° 10.660' E	-19.73103333	149.17766667
19° 44.361' S	149° 10.667' E	-19.73935000	149.17778333

19° 44.443' S	149° 10.713' E	-19.74071667	149.17855000
19° 44.618' S	149° 10.716' E	-19.74363333	149.17860000
19° 44.714' S	149° 10.780' E	-19.74523333	149.17966667
19° 45.083' S	149° 10.768' E	-19.75138333	149.17946667
19° 45.481' S	149° 10.890' E	-19.75801667	149.18150000
19° 45.760' S	149° 11.244' E	-19.76266667	149.18740000
19° 45.886' S	149° 11.643' E	-19.76476667	149.19405000
19° 45.938' S	149° 12.783' E	-19.76563333	149.21305000
19° 46.494' S	149° 13.738' E	-19.77490000	149.22896667
19° 46.646' S	149° 14.147' E	-19.77743333	149.23578333
19° 46.906' S	149° 14.529' E	-19.78176667	149.24215000
19° 47.203' S	149° 14.720' E	-19.78671667	149.24533333
19° 47.622' S	149° 14.789' E	-19.79370000	149.24648333
19° 47.949' S	149° 14.997' E	-19.79915000	149.24995000
19° 48.401' S	149° 15.136' E	-19.80668333	149.25226667
19° 48.714' S	149° 15.160' E	-19.81190000	149.25266667
19° 48.717' S	149° 15.480' E	-19.81195000	149.25800000
19° 49.800' S	149° 15.480' E	-19.83000000	149.25800000
19° 50.400' S	149° 13.200' E	-19.84000000	149.22000000
19° 50.400' S	149° 11.160' E	-19.84000000	149.18600000
19° 49.766' S	149° 09.360' E	-19.82943333	149.15600000
19° 49.766' S	149° 05.520' E	-19.82943333	149.09200000
19° 46.879' S	149° 05.520' E	-19.78131667	149.09200000
19° 46.879' S	149° 03.376' E	-19.78131667	149.05626667
19° 43.920' S	149° 08.400' E	-19.73200000	149.14000000
19° 44.280' S	149° 08.762' E	-19.73800000	149.14603333
19° 44.280' S	149° 09.600' E	-19.73800000	149.16000000
19° 43.793' S	149° 09.924' E	-19.72988333	149.16540000
<b>CP-19-4068</b>	<b>Coconut Bay</b>		
19° 45.073' S	147° 51.067' E	-19.75121667	147.85111667
19° 45.416' S	147° 51.128' E	-19.75693333	147.85213333
	<b>Gloucester</b>		
<b>CP-19-4074</b>	<b>Island</b>		
19° 57.999' S	148° 26.739' E	-19.96665000	148.44565000
19° 57.999' S	148° 27.989' E	-19.96665000	148.46648333
19° 58.747' S	148° 27.989' E	-19.97911667	148.46648333
19° 59.748' S	148° 28.989' E	-19.99580000	148.48315000
20° 02.749' S	148° 28.989' E	-20.04581667	148.48315000
20° 03.498' S	148° 28.236' E	-20.05830000	148.47060000
20° 03.498' S	148° 27.486' E	-20.05830000	148.45810000
20° 03.349' S	148° 27.235' E	-20.05581667	148.45391667
20° 02.749' S	148° 26.235' E	-20.04581667	148.43725000
20° 01.498' S	148° 25.986' E	-20.02496667	148.43310000
19° 58.747' S	148° 25.986' E	-19.97911667	148.43310000
	<b>Hayman Island</b>		
	<b>and Stonehaven,</b>		
	<b>Hook Island</b>		
20° 02.086' S	148° 52.836' E	-20.03476667	148.88060000
20° 02.086' S	148° 54.194' E	-20.03476667	148.90323333
20° 03.380' S	148° 54.194' E	-20.05633333	148.90323333
20° 03.380' S	148° 55.355' E	-20.05633333	148.92258333
20° 03.708' S	148° 55.355' E	-20.06180000	148.92258333
20° 06.664' S	148° 53.398' E	-20.11106667	148.88996667
20° 06.602' S	148° 53.398' E	-20.11003333	148.88996667
20° 05.485' S	148° 51.729' E	-20.09141667	148.86215000

20° 04.759' S	148° 51.910' E	-20.07931667	148.86516667
20° 04.759' S	148° 52.258' E	-20.07931667	148.87096667
20° 04.880' S	148° 52.477' E	-20.08133333	148.87461667
20° 05.274' S	148° 53.100' E	-20.08790000	148.88500000
20° 05.232' S	148° 53.508' E	-20.08720000	148.89180000
20° 05.065' S	148° 53.759' E	-20.08441667	148.89598333
20° 04.327' S	148° 53.759' E	-20.07211667	148.89598333
20° 04.260' S	148° 53.442' E	-20.07100000	148.89070000
20° 03.792' S	148° 52.962' E	-20.06320000	148.88270000
20° 03.732' S	148° 52.920' E	-20.06220000	148.88200000
20° 03.678' S	148° 52.920' E	-20.06130000	148.88200000
20° 02.188' S	148° 52.836' E	-20.03646667	148.88060000

**Saba Bay, Hook**

**CP-20-4076**

**Island**

20° 06.435' S	148° 57.423' E	-20.10725000	148.95705000
20° 09.386' S	148° 57.101' E	-20.15643333	148.95168333

**Double Cone**

**CP-20-4077**

**Island**

20° 05.760' S	148° 42.904' E	-20.09600000	148.71506667
20° 05.760' S	148° 43.743' E	-20.09600000	148.72905000
20° 06.301' S	148° 43.743' E	-20.10501667	148.72905000
20° 07.140' S	148° 42.662' E	-20.11900000	148.71103333
20° 07.140' S	148° 42.124' E	-20.11900000	148.70206667
20° 06.362' S	148° 42.124' E	-20.10603333	148.70206667

**CP-20-4078**

**Nara Inlet**

20° 10.520' S	148° 54.884' E	-20.17533333	148.91473333
20° 10.185' S	148° 53.289' E	-20.16975000	148.88815000

**CP-20-4079**

**Deloraine Island**

20° 08.760' S	149° 03.672' E	-20.14600000	149.06120000
20° 08.760' S	149° 04.860' E	-20.14600000	149.08100000
20° 11.400' S	149° 04.860' E	-20.19000000	149.08100000
20° 11.400' S	149° 03.672' E	-20.19000000	149.06120000

**Molle Islands**

**CP-20-4080**

**Group**

20° 12.525' S	148° 48.149' E	-20.20875000	148.80248333
20° 12.525' S	148° 49.080' E	-20.20875000	148.81800000
20° 13.785' S	148° 50.162' E	-20.22975000	148.83603333
20° 15.015' S	148° 50.162' E	-20.25025000	148.83603333
20° 15.015' S	148° 51.225' E	-20.25025000	148.85375000
20° 15.420' S	148° 51.225' E	-20.25700000	148.85375000
20° 15.420' S	148° 51.540' E	-20.25700000	148.85900000
20° 16.256' S	148° 51.540' E	-20.27093333	148.85900000
20° 16.257' S	148° 50.787' E	-20.27095000	148.84645000
20° 16.932' S	148° 50.026' E	-20.28220000	148.83376667
20° 17.385' S	148° 50.025' E	-20.28975000	148.83375000
20° 17.385' S	148° 49.275' E	-20.28975000	148.82125000
20° 16.350' S	148° 49.275' E	-20.27250000	148.82125000
20° 15.810' S	148° 48.465' E	-20.26350000	148.80775000
20° 13.665' S	148° 48.465' E	-20.22775000	148.80775000
20° 12.945' S	148° 48.149' E	-20.21575000	148.80248333

**Whitsunday to**

**CP-20-4081**

**Hamilton Islands**

20° 17.572' S	149° 03.495' E	-20.29286667	149.05825000
20° 15.386' S	149° 01.571' E	-20.25643333	149.02618333

20° 14.280' S	149° 01.558' E	-20.23800000	149.02596667
20° 14.280' S	149° 02.155' E	-20.23800000	149.03591667
20° 14.280' S	149° 03.118' E	-20.23800000	149.05196667
20° 14.280' S	149° 08.004' E	-20.23800000	149.13340000
20° 17.511' S	149° 08.004' E	-20.29185000	149.13340000
20° 21.000' S	149° 01.802' E	-20.35000000	149.03003333
20° 21.000' S	149° 01.416' E	-20.35000000	149.02360000
20° 21.111' S	149° 01.200' E	-20.35185000	149.02000000
20° 21.600' S	149° 00.240' E	-20.36000000	149.00400000
20° 21.962' S	149° 00.099' E	-20.36603333	149.00165000
20° 22.200' S	148° 58.200' E	-20.37000000	148.97000000
20° 22.200' S	148° 57.600' E	-20.37000000	148.96000000
20° 22.800' S	148° 57.600' E	-20.38000000	148.96000000
20° 23.040' S	148° 57.360' E	-20.38400000	148.95600000
20° 22.800' S	148° 56.882' E	-20.38000000	148.94803333
20° 21.840' S	148° 56.400' E	-20.36400000	148.94000000
20° 21.360' S	148° 56.520' E	-20.35600000	148.94200000
20° 19.854' S	148° 56.520' E	-20.33090000	148.94200000
20° 19.854' S	148° 54.932' E	-20.33090000	148.91553333
20° 17.700' S	148° 54.932' E	-20.29500000	148.91553333
20° 17.700' S	148° 54.420' E	-20.29500000	148.90700000
20° 16.890' S	148° 54.420' E	-20.28150000	148.90700000
20° 16.290' S	148° 54.120' E	-20.27150000	148.90200000
20° 15.180' S	148° 54.120' E	-20.25300000	148.90200000
20° 14.278' S	148° 56.255' E	-20.23796667	148.93758333
<b>CP-20-4082 Pioneer Bay</b>			
20° 13.881' S	148° 40.893' E	-20.23135000	148.68155000
20° 15.222' S	148° 44.032' E	-20.25370000	148.73386667
20° 15.707' S	148° 41.563' E	-20.26178333	148.69271667
20° 16.255' S	148° 41.563' E	-20.27091667	148.69271667
<b>Shute, Tancred and Repair Islands</b>			
<b>CP-20-4083</b>			
20° 17.284' S	148° 47.787' E	-20.28806667	148.79645000
20° 17.501' S	148° 47.996' E	-20.29168333	148.79993333
20° 17.571' S	148° 48.109' E	-20.29285000	148.80181667
20° 17.571' S	148° 48.510' E	-20.29285000	148.80850000
20° 18.289' S	148° 48.510' E	-20.30481667	148.80850000
20° 18.289' S	148° 47.760' E	-20.30481667	148.79600000
20° 17.970' S	148° 47.280' E	-20.29950000	148.78800000
20° 17.610' S	148° 47.280' E	-20.29350000	148.78800000
20° 17.520' S	148° 47.700' E	-20.29200000	148.79500000
<b>Long Island west coast</b>			
<b>CP-20-4084</b>			
20° 18.720' S	148° 50.760' E	-20.31200000	148.84600000
20° 18.720' S	148° 51.975' E	-20.31200000	148.86625000
20° 19.638' S	148° 51.975' E	-20.32730000	148.86625000
20° 19.638' S	148° 51.424' E	-20.32730000	148.85706667
20° 23.164' S	148° 51.325' E	-20.38606667	148.85541667
20° 23.164' S	148° 51.008' E	-20.38606667	148.85013333
20° 21.600' S	148° 50.520' E	-20.36000000	148.84200000
20° 21.636' S	148° 50.400' E	-20.36060000	148.84000000
20° 20.883' S	148° 50.208' E	-20.34805000	148.83680000
20° 20.883' S	148° 50.400' E	-20.34805000	148.84000000
20° 19.560' S	148° 50.400' E	-20.32600000	148.84000000

	<b>Long Island east coast</b>		
<b>CP-20-4085</b>			
20° 20.562' S	148° 51.072' E	-20.34270000	148.85120000
20° 20.562' S	148° 52.021' E	-20.34270000	148.86701667
20° 21.958' S	148° 52.647' E	-20.36596667	148.87745000
20° 23.390' S	148° 53.303' E	-20.38983333	148.88838333
20° 23.390' S	148° 52.482' E	-20.38983333	148.87470000
	<b>Lindeman and Shaw Islands</b>		
<b>CP-20-4086</b>			
20° 23.280' S	149° 00.081' E	-20.38800000	149.00135000
20° 23.280' S	149° 02.281' E	-20.38800000	149.03801667
20° 25.854' S	149° 02.338' E	-20.43090000	149.03896667
20° 26.268' S	149° 03.311' E	-20.43780000	149.05518333
20° 26.266' S	149° 04.711' E	-20.43776667	149.07851667
20° 31.585' S	149° 03.134' E	-20.52641667	149.05223333
20° 32.406' S	149° 03.130' E	-20.54010000	149.05216667
20° 32.406' S	149° 00.081' E	-20.54010000	149.00135000
20° 25.173' S	149° 00.081' E	-20.41955000	149.00135000
	<b>Ripple Rocks (20-206)</b>		
<b>CP-20-4088</b>			
20° 31.145' S	148° 55.464' E	-20.51908333	148.92440000
20° 31.149' S	148° 56.957' E	-20.51915000	148.94928333
20° 32.406' S	148° 56.957' E	-20.54010000	148.94928333
20° 32.094' S	148° 55.905' E	-20.53490000	148.93175000
	<b>Farrier Island and Goldsmith Island</b>		
<b>CP-20-4089</b>			
20° 41.227' S	149° 08.170' E	-20.68711667	149.13616667
20° 40.317' S	149° 08.172' E	-20.67195000	149.13620000
20° 39.883' S	149° 09.072' E	-20.66471667	149.15120000
	<b>Linne Island Reef (20-253) and Tinsmith Island Reef (20-254)</b>		
<b>CP-20-4090</b>			
20° 40.368' S	149° 11.642' E	-20.67280000	149.19403333
20° 40.380' S	149° 11.999' E	-20.67300000	149.19998333
20° 41.208' S	149° 11.988' E	-20.68680000	149.19980000
20° 41.511' S	149° 12.609' E	-20.69185000	149.21015000
20° 41.520' S	149° 12.900' E	-20.69200000	149.21500000
20° 42.480' S	149° 12.900' E	-20.70800000	149.21500000
20° 42.480' S	149° 12.090' E	-20.70800000	149.20150000
20° 41.913' S	149° 11.349' E	-20.69855000	149.18915000
20° 41.457' S	149° 11.349' E	-20.69095000	149.18915000
	<b>Brampton and Carlisle Islands</b>		
<b>CP-20-4091</b>			
20° 45.207' S	149° 14.185' E	-20.75345000	149.23641667
20° 45.207' S	149° 15.977' E	-20.75345000	149.26628333
20° 47.388' S	149° 15.977' E	-20.78980000	149.26628333
20° 47.388' S	149° 16.179' E	-20.78980000	149.26965000
20° 48.025' S	149° 16.179' E	-20.80041667	149.26965000
20° 49.698' S	149° 15.972' E	-20.82830000	149.26620000
20° 49.545' S	149° 17.211' E	-20.82575000	149.28685000
20° 48.390' S	149° 17.058' E	-20.80650000	149.28430000
20° 48.134' S	149° 17.312' E	-20.80223333	149.28853333
20° 47.439' S	149° 18.051' E	-20.79065000	149.30085000



20° 47.190' S	149° 18.051' E	-20.78650000	149.30085000
20° 47.190' S	149° 18.780' E	-20.78650000	149.31300000
20° 50.040' S	149° 18.780' E	-20.83400000	149.31300000
20° 50.040' S	149° 17.201' E	-20.83400000	149.28668333
20° 50.040' S	149° 16.400' E	-20.83400000	149.27333333
20° 50.040' S	149° 14.185' E	-20.83400000	149.23641667
<b>CP-20-4092      Seaforth area</b>			
20° 48.178' S	148° 53.382' E	-20.80296667	148.88970000
20° 53.309' S	148° 59.814' E	-20.88848333	148.99690000
20° 53.623' S	148° 59.814' E	-20.89371667	148.99690000
20° 51.454' S	148° 53.036' E	-20.85756667	148.88393333
20° 51.365' S	148° 53.040' E	-20.85608333	148.88400000
20° 50.961' S	148° 53.036' E	-20.84935000	148.88393333
20° 50.690' S	148° 53.029' E	-20.84483333	148.88381667
20° 49.812' S	148° 53.034' E	-20.83020000	148.88390000
20° 49.200' S	148° 52.428' E	-20.82000000	148.87380000
<b>Keswick and St</b>			
<b>CP-20-4093      Bees Islands</b>			
20° 53.460' S	149° 22.735' E	-20.89100000	149.37891667
20° 53.460' S	149° 29.100' E	-20.89100000	149.48500000
20° 57.039' S	149° 29.100' E	-20.95065000	149.48500000
20° 57.039' S	149° 22.735' E	-20.95065000	149.37891667
<b>Shoal Point -</b>			
<b>CP-20-4094      Eimeo area</b>			
20° 56.640' S	149° 08.520' E	-20.94400000	149.14200000
21° 03.807' S	149° 16.863' E	-21.06345000	149.28105000
21° 03.807' S	149° 13.506' E	-21.06345000	149.22510000
20° 58.568' S	149° 05.394' E	-20.97613333	149.08990000
<b>Penrith Island</b>			
<b>CP-20-4095      Reef (21-025)</b>			
20° 59.460' S	149° 53.220' E	-20.99100000	149.88700000
20° 59.460' S	149° 54.480' E	-20.99100000	149.90800000
21° 01.664' S	149° 55.373' E	-21.02773333	149.92288333
21° 01.681' S	149° 55.376' E	-21.02801667	149.92293333
21° 02.100' S	149° 54.540' E	-21.03500000	149.90900000
21° 02.100' S	149° 53.340' E	-21.03500000	149.88900000
21° 00.135' S	149° 52.507' E	-21.00225000	149.87511667
21° 00.118' S	149° 52.503' E	-21.00196667	149.87505000
<b>Clairview and</b>			
<b>Flock Pigeon</b>			
<b>Island coastal</b>			
<b>CP-22-4096      area</b>			
22° 01.995' S	149° 31.191' E	-22.03325000	149.51985000
22° 01.995' S	149° 34.582' E	-22.03325000	149.57636667
22° 06.807' S	149° 34.582' E	-22.11345000	149.57636667
22° 07.155' S	149° 34.582' E	-22.11925000	149.57636667
22° 08.406' S	149° 35.294' E	-22.14010000	149.58823333
22° 08.814' S	149° 35.296' E	-22.14690000	149.58826667
22° 10.285' S	149° 35.296' E	-22.17141667	149.58826667
22° 10.285' S	149° 34.486' E	-22.17141667	149.57476667
22° 10.285' S	149° 33.971' E	-22.17141667	149.56618333

**Cape Clinton:  
including  
Triangular Island  
(22-077),  
southern side of  
Townshend  
Island and  
Island Head (22-  
078)**

**CP-22-4097**

22° 18.264' S	150° 33.313' E	-22.30440000	150.55521667
22° 18.264' S	150° 43.545' E	-22.30440000	150.72575000
22° 19.463' S	150° 43.545' E	-22.32438333	150.72575000
22° 20.766' S	150° 40.077' E	-22.34610000	150.66795000
22° 24.070' S	150° 31.842' E	-22.40116667	150.53070000
22° 24.070' S	150° 28.971' E	-22.40116667	150.48285000
22° 20.934' S	150° 28.971' E	-22.34890000	150.48285000

**Freshwater  
Beach coastal  
area**

**CP-22-4098**

22° 33.360' S	150° 47.401' E	-22.55600000	150.79001667
22° 34.320' S	150° 47.308' E	-22.57200000	150.78846667
22° 37.497' S	150° 46.998' E	-22.62495000	150.78330000
22° 37.731' S	150° 46.976' E	-22.62885000	150.78293333
22° 37.998' S	150° 47.136' E	-22.63330000	150.78560000
22° 38.040' S	150° 47.160' E	-22.63400000	150.78600000
22° 38.749' S	150° 47.607' E	-22.64581667	150.79345000

**Yeppoon/Corio  
Bay coastal area**

**CP-22-4099**

22° 51.129' S	150° 47.541' E	-22.85215000	150.79235000
22° 51.129' S	150° 47.822' E	-22.85215000	150.79703333
22° 51.699' S	150° 47.693' E	-22.86165000	150.79488333
22° 53.484' S	150° 47.500' E	-22.89140000	150.79166667
22° 53.753' S	150° 47.430' E	-22.89588333	150.79050000
22° 54.948' S	150° 47.430' E	-22.91580000	150.79050000
22° 54.949' S	150° 47.486' E	-22.91581667	150.79143333
22° 55.026' S	150° 47.781' E	-22.91710000	150.79635000
22° 55.491' S	150° 48.288' E	-22.92485000	150.80480000
22° 55.693' S	150° 48.441' E	-22.92821667	150.80735000
22° 55.998' S	150° 48.517' E	-22.93330000	150.80861667
22° 56.192' S	150° 48.483' E	-22.93653333	150.80805000
22° 56.995' S	150° 48.009' E	-22.94991667	150.80015000
22° 57.831' S	150° 46.967' E	-22.96385000	150.78278333
23° 00.138' S	150° 46.767' E	-23.00230000	150.77945000
23° 01.101' S	150° 46.607' E	-23.01835000	150.77678333
23° 02.926' S	150° 46.565' E	-23.04876667	150.77608333
23° 03.307' S	150° 46.539' E	-23.05511667	150.77565000
23° 09.307' S	150° 48.062' E	-23.15511667	150.80103333
23° 09.307' S	150° 46.055' E	-23.15511667	150.76758333

**CP-23-4100**

**Outer Rock area**

23° 03.195' S	150° 56.438' E	-23.05325000	150.94063333
23° 03.195' S	151° 00.583' E	-23.05325000	151.00971667
23° 04.877' S	151° 00.583' E	-23.08128333	151.00971667
23° 04.877' S	150° 58.527' E	-23.08128333	150.97545000
23° 04.242' S	150° 58.527' E	-23.07070000	150.97545000

23° 04.242' S	150° 56.438' E	-23.07070000	150.94063333
<b>CP-23-4101</b>	<b>North Keppel Island - Considine Bay</b>		
23° 04.176' S	150° 53.178' E	-23.06960000	150.88630000
23° 04.176' S	150° 52.590' E	-23.06960000	150.87650000
23° 03.215' S	150° 52.590' E	-23.05358333	150.87650000
23° 03.213' S	150° 53.494' E	-23.05355000	150.89156667
<b>CP-23-4102</b>	<b>Great Keppel Island - western side</b>		
23° 10.708' S	150° 54.876' E	-23.17846667	150.91460000
23° 10.708' S	150° 55.649' E	-23.17846667	150.92748333
23° 10.708' S	150° 55.853' E	-23.17846667	150.93088333
23° 11.368' S	150° 56.079' E	-23.18946667	150.93465000
23° 11.368' S	150° 55.557' E	-23.18946667	150.92595000
<b>CP-23-4103</b>	<b>Humpy Island Reef (23-016)</b>		
23° 12.300' S	150° 57.780' E	-23.20500000	150.96300000
23° 12.300' S	150° 58.680' E	-23.20500000	150.97800000
23° 13.200' S	150° 58.680' E	-23.22000000	150.97800000
23° 13.200' S	150° 57.780' E	-23.22000000	150.96300000
	<b>northern Capricorn Bunker Group: including northern North West Island (23-049), Broomfield (23-048), Wilson (23-050) and Sykes (23-054) Reefs</b>		
<b>CP-23-4104</b>			
23° 13.500' S	151° 50.399' E	-23.22500000	151.83998333
23° 13.514' S	151° 58.891' E	-23.22523333	151.98151667
23° 15.999' S	151° 58.890' E	-23.26665000	151.98150000
23° 28.539' S	152° 07.731' E	-23.47565000	152.12885000
23° 28.539' S	152° 06.532' E	-23.47565000	152.10886667
23° 28.539' S	152° 04.046' E	-23.47565000	152.06743333
23° 29.305' S	152° 00.372' E	-23.48841667	152.00620000
23° 31.069' S	152° 00.372' E	-23.51781667	152.00620000
23° 29.700' S	151° 57.601' E	-23.49500000	151.96001667
23° 29.297' S	151° 57.183' E	-23.48828333	151.95305000
23° 25.800' S	151° 57.183' E	-23.43000000	151.95305000
23° 25.800' S	151° 55.605' E	-23.43000000	151.92675000
23° 25.800' S	151° 53.100' E	-23.43000000	151.88500000
23° 20.400' S	151° 50.010' E	-23.34000000	151.83350000
23° 20.400' S	151° 40.344' E	-23.34000000	151.67240000
23° 17.862' S	151° 40.344' E	-23.29770000	151.67240000
23° 15.999' S	151° 42.519' E	-23.26665000	151.70865000
23° 15.999' S	151° 50.399' E	-23.26665000	151.83998333

**Wistari Reef (23-053) west, Mast Head Island Reef (23-069) and the Cabbage Patch area**

**CP-23-4106**

23° 25.800' S	151° 53.100' E	-23.43000000	151.88500000
23° 33.890' S	151° 53.100' E	-23.56483333	151.88500000
23° 33.890' S	151° 46.200' E	-23.56483333	151.77000000
23° 34.742' S	151° 43.236' E	-23.57903333	151.72060000
23° 33.052' S	151° 43.236' E	-23.55086667	151.72060000
23° 31.998' S	151° 42.000' E	-23.53330000	151.70000000
23° 29.100' S	151° 42.000' E	-23.48500000	151.70000000
23° 29.100' S	151° 45.000' E	-23.48500000	151.75000000

**Curtis Island northern coastline - Yellow Patches -**

**CP-23-4107**

**Cape Capricorn**

23° 26.949' S	151° 03.666' E	-23.44915000	151.06110000
23° 27.096' S	151° 04.399' E	-23.45160000	151.07331667
23° 27.414' S	151° 05.985' E	-23.45690000	151.09975000
23° 27.514' S	151° 06.485' E	-23.45856667	151.10808333
23° 29.019' S	151° 13.997' E	-23.48365000	151.23328333

**Curtis Island eastern coastline - Rundle Reef (23-056) and Bass Shoals (23-057)**

**CP-23-4108**

23° 30.473' S	151° 14.253' E	-23.50788333	151.23755000
23° 30.473' S	151° 17.201' E	-23.50788333	151.28668333
23° 34.001' S	151° 17.201' E	-23.56668333	151.28668333
23° 34.001' S	151° 13.530' E	-23.56668333	151.22550000

**Curtis Island - eastern coastal strip**

**CP-23-4109**

23° 37.331' S	151° 14.256' E	-23.62218333	151.23760000
23° 37.331' S	151° 14.539' E	-23.62218333	151.24231667
23° 38.241' S	151° 14.539' E	-23.63735000	151.24231667
23° 38.826' S	151° 15.077' E	-23.64710000	151.25128333
23° 39.147' S	151° 15.077' E	-23.65245000	151.25128333
23° 39.497' S	151° 15.459' E	-23.65828333	151.25765000
23° 39.687' S	151° 15.562' E	-23.66145000	151.25936667
23° 39.769' S	151° 15.787' E	-23.66281667	151.26311667
23° 39.696' S	151° 16.065' E	-23.66160000	151.26775000

**CP-23-4110**

**Richards Point**

23° 57.900' S	151° 37.320' E	-23.96500000	151.62200000
23° 57.900' S	151° 38.040' E	-23.96500000	151.63400000
23° 58.171' S	151° 39.096' E	-23.96951667	151.65160000
23° 58.964' S	151° 39.096' E	-23.98273333	151.65160000
24° 00.515' S	151° 36.203' E	-24.00858333	151.60338333
24° 00.645' S	151° 35.913' E	-24.01075000	151.59855000

23° 58.560' S	151° 36.360' E	-23.97600000	151.60600000
<b>CP-23-4111</b>	<b>Richards Point (south)</b>		
23° 59.583' S	151° 41.304' E	-23.99305000	151.68840000
24° 00.300' S	151° 41.760' E	-24.00500000	151.69600000
24° 00.903' S	151° 43.085' E	-24.01505000	151.71808333
24° 01.195' S	151° 43.062' E	-24.01991667	151.71770000
24° 00.363' S	151° 41.304' E	-24.00605000	151.68840000
<b>CP-23-4115</b>	<b>Double Head to Shoal Bay</b>		
23° 09.806' S	150° 47.769' E	-23.16343333	150.79615000
23° 09.907' S	150° 47.758' E	-23.16511667	150.79596667
23° 09.977' S	150° 47.721' E	-23.16628333	150.79535000
23° 09.989' S	150° 47.676' E	-23.16648333	150.79460000
23° 10.609' S	150° 47.784' E	-23.17681667	150.79640000
23° 10.621' S	150° 47.898' E	-23.17701667	150.79830000
23° 10.693' S	150° 48.008' E	-23.17821667	150.80013333
23° 10.806' S	150° 48.081' E	-23.18010000	150.80135000
23° 11.024' S	150° 48.092' E	-23.18373333	150.80153333
23° 13.175' S	150° 49.114' E	-23.21958333	150.81856667
23° 13.275' S	150° 49.116' E	-23.22125000	150.81860000
23° 09.806' S	150° 47.670' E	-23.16343333	150.79450000
<b>CP-24-4112</b>	<b>Bustard Bay</b>		
24° 01.536' S	151° 46.149' E	-24.02560000	151.76915000
24° 01.536' S	151° 46.326' E	-24.02560000	151.77210000
24° 01.851' S	151° 46.326' E	-24.03085000	151.77210000
24° 02.340' S	151° 46.191' E	-24.03900000	151.76985000
24° 04.961' S	151° 46.617' E	-24.08268333	151.77695000
24° 05.898' S	151° 46.902' E	-24.09830000	151.78170000
24° 06.309' S	151° 47.101' E	-24.10515000	151.78501667
24° 06.943' S	151° 47.319' E	-24.11571667	151.78865000
24° 07.415' S	151° 47.712' E	-24.12358333	151.79520000
24° 08.413' S	151° 48.278' E	-24.14021667	151.80463333
24° 08.961' S	151° 48.753' E	-24.14935000	151.81255000
24° 08.961' S	151° 53.130' E	-24.14935000	151.88550000
	<b>Adjacent to Deepwater</b>		
<b>CP-24-4113</b>	<b>National Park</b>		
24° 13.971' S	151° 56.269' E	-24.23285000	151.93781667
24° 13.971' S	151° 56.419' E	-24.23285000	151.94031667
24° 14.385' S	151° 56.725' E	-24.23975000	151.94541667
24° 14.999' S	151° 56.852' E	-24.24998333	151.94753333
24° 15.465' S	151° 57.024' E	-24.25775000	151.95040000
24° 15.774' S	151° 57.024' E	-24.26290000	151.95040000
24° 16.929' S	151° 57.270' E	-24.28215000	151.95450000
24° 17.659' S	151° 57.546' E	-24.29431667	151.95910000
24° 18.512' S	151° 57.774' E	-24.30853333	151.96290000
24° 18.729' S	151° 57.892' E	-24.31215000	151.96486667
24° 18.868' S	151° 58.047' E	-24.31446667	151.96745000
24° 19.142' S	151° 58.160' E	-24.31903333	151.96933333
24° 19.675' S	151° 58.272' E	-24.32791667	151.97120000
24° 21.140' S	151° 58.790' E	-24.35233333	151.97983333
24° 21.879' S	151° 58.957' E	-24.36465000	151.98261667
24° 22.650' S	151° 59.244' E	-24.37750000	151.98740000
24° 23.374' S	151° 59.454' E	-24.38956667	151.99090000
24° 23.376' S	151° 59.323' E	-24.38960000	151.98871667

## Scientific Research Zones (Datum GDA94)

LATITUDE	LONGITUDE	Y_COORD	X_COORD
<b>Day Reef (14-089)</b>			
<b>SR-14-2001</b>			
14° 28.173' S	145° 31.252' E	-14.46955000	145.52086667
14° 28.210' S	145° 32.101' E	-14.47016667	145.53501667
14° 30.363' S	145° 33.897' E	-14.50605000	145.56495000
14° 30.952' S	145° 33.960' E	-14.51586667	145.56600000
14° 31.297' S	145° 33.491' E	-14.52161667	145.55818333
14° 31.379' S	145° 32.060' E	-14.52298333	145.53433333
14° 31.166' S	145° 31.657' E	-14.51943333	145.52761667
14° 29.858' S	145° 30.524' E	-14.49763333	145.50873333
14° 29.106' S	145° 30.591' E	-14.48510000	145.50985000
14° 28.386' S	145° 30.877' E	-14.47310000	145.51461667
<b>Yonge Reef (14-138)</b>			
<b>SR-14-2002</b>			
14° 34.170' S	145° 37.000' E	-14.56950000	145.61666667
14° 34.233' S	145° 37.133' E	-14.57055000	145.61888333
14° 34.849' S	145° 37.518' E	-14.58081667	145.62530000
14° 34.911' S	145° 37.702' E	-14.58185000	145.62836667
14° 35.267' S	145° 37.959' E	-14.58778333	145.63265000
14° 35.763' S	145° 38.058' E	-14.59605000	145.63430000
14° 36.054' S	145° 37.923' E	-14.60090000	145.63205000
14° 36.654' S	145° 38.046' E	-14.61090000	145.63410000
14° 36.888' S	145° 38.174' E	-14.61480000	145.63623333
14° 37.153' S	145° 38.205' E	-14.61921667	145.63675000
14° 37.350' S	145° 38.303' E	-14.62250000	145.63838333
14° 37.479' S	145° 38.224' E	-14.62465000	145.63706667
14° 37.587' S	145° 38.078' E	-14.62645000	145.63463333
14° 37.644' S	145° 37.902' E	-14.62740000	145.63170000
14° 37.537' S	145° 37.498' E	-14.62561667	145.62496667
14° 37.411' S	145° 37.258' E	-14.62351667	145.62096667
14° 36.938' S	145° 36.987' E	-14.61563333	145.61645000
14° 36.984' S	145° 37.072' E	-14.61640000	145.61786667
14° 36.949' S	145° 37.188' E	-14.61581667	145.61980000
14° 37.029' S	145° 37.211' E	-14.61715000	145.62018333
14° 37.143' S	145° 37.359' E	-14.61905000	145.62265000
14° 37.163' S	145° 37.524' E	-14.61938333	145.62540000
14° 36.794' S	145° 37.568' E	-14.61323333	145.62613333
14° 36.040' S	145° 37.428' E	-14.60066667	145.62380000
14° 35.982' S	145° 37.403' E	-14.59970000	145.62338333
14° 35.982' S	145° 37.185' E	-14.59970000	145.61975000
14° 35.855' S	145° 37.136' E	-14.59758333	145.61893333
14° 35.496' S	145° 36.804' E	-14.59160000	145.61340000
14° 35.131' S	145° 36.610' E	-14.58551667	145.61016667
14° 34.937' S	145° 36.586' E	-14.58228333	145.60976667
14° 34.890' S	145° 36.572' E	-14.58150000	145.60953333
14° 34.872' S	145° 36.610' E	-14.58120000	145.61016667
14° 34.681' S	145° 36.530' E	-14.57801667	145.60883333
14° 34.469' S	145° 36.759' E	-14.57448333	145.61265000
14° 34.295' S	145° 36.835' E	-14.57158333	145.61391667

<b>SR-14-2003</b>	<b>MacGillivray Reef (14-114)</b>		
14° 38.702' S	145° 28.986' E	-14.64503333	145.48310000
14° 38.702' S	145° 29.986' E	-14.64503333	145.49976667
14° 39.498' S	145° 29.986' E	-14.65830000	145.49976667
14° 39.498' S	145° 28.986' E	-14.65830000	145.48310000

**Lizard Island Reef (14-116a, c and d): including Palfrey, South and Seabird Islands**

<b>SR-14-2004</b>			
14° 38.813' S	145° 26.163' E	-14.64688333	145.43605000
14° 38.813' S	145° 27.060' E	-14.64688333	145.45100000
14° 40.560' S	145° 28.501' E	-14.67600000	145.47501667
14° 40.560' S	145° 29.046' E	-14.67600000	145.48410000
14° 42.600' S	145° 29.046' E	-14.71000000	145.48410000
14° 42.600' S	145° 25.800' E	-14.71000000	145.43000000
14° 39.948' S	145° 25.800' E	-14.66580000	145.43000000

**North Direction Island Reef (14-143)**

<b>SR-14-2005</b>			
14° 44.039' S	145° 30.021' E	-14.73398333	145.50035000
14° 44.039' S	145° 31.275' E	-14.73398333	145.52125000
14° 45.142' S	145° 31.275' E	-14.75236667	145.52125000
14° 45.142' S	145° 30.021' E	-14.75236667	145.50035000

**Green Island Research Station (16-049)**

<b>SR-16-2006</b>			
16° 45.360' S	145° 58.680' E	-16.75600000	145.97800000
16° 45.542' S	145° 59.161' E	-16.75903333	145.98601667
16° 45.542' S	145° 59.582' E	-16.75903333	145.99303333
16° 45.660' S	145° 59.823' E	-16.76100000	145.99705000
16° 46.137' S	145° 59.820' E	-16.76895000	145.99700000
16° 46.137' S	145° 59.462' E	-16.76895000	145.99103333
16° 46.380' S	145° 59.102' E	-16.77300000	145.98503333
16° 46.380' S	145° 58.684' E	-16.77300000	145.97806667
16° 46.023' S	145° 58.325' E	-16.76705000	145.97208333
16° 45.618' S	145° 58.327' E	-16.76030000	145.97211667
16° 45.501' S	145° 58.496' E	-16.75835000	145.97493333

**Orpheus Island north (18-049a and 18-049e)**

<b>SR-18-2007</b>			
18° 33.660' S	146° 28.503' E	-18.56100000	146.47505000
18° 33.660' S	146° 29.023' E	-18.56100000	146.48371667
18° 34.339' S	146° 30.120' E	-18.57231667	146.50200000
18° 35.220' S	146° 30.120' E	-18.58700000	146.50200000
18° 36.002' S	146° 30.600' E	-18.60003333	146.51000000
18° 36.002' S	146° 30.243' E	-18.60003333	146.50405000
18° 36.909' S	146° 28.997' E	-18.61515000	146.48328333
18° 36.894' S	146° 28.503' E	-18.61490000	146.47505000

**Australian Institute of Marine Science**

**SR-19-2008**

19° 15.308' S	147° 03.603' E	-19.25513333	147.06005000
19° 15.308' S	147° 04.147' E	-19.25513333	147.06911667
19° 15.753' S	147° 04.147' E	-19.26255000	147.06911667
19° 16.920' S	147° 04.147' E	-19.28200000	147.06911667
19° 16.920' S	147° 02.944' E	-19.28200000	147.04906667
19° 16.908' S	147° 02.707' E	-19.28180000	147.04511667

**Heron Island  
Reef east (23-  
052)**

<b>SR-23-2009</b>			
23° 25.800' S	151° 55.605' E	-23.43000000	151.92675000
23° 25.800' S	151° 57.183' E	-23.43000000	151.95305000
23° 29.297' S	151° 57.183' E	-23.48828333	151.95305000
23° 27.000' S	151° 54.600' E	-23.45000000	151.91000000
23° 26.616' S	151° 54.805' E	-23.44360000	151.91341667
23° 26.553' S	151° 55.106' E	-23.44255000	151.91843333

**One Tree Island  
Reef (23-055)**

<b>SR-23-2010</b>			
23° 28.539' S	152° 04.046' E	-23.47565000	152.06743333
23° 28.539' S	152° 06.532' E	-23.47565000	152.10886667
23° 31.469' S	152° 06.532' E	-23.52448333	152.10886667
23° 31.469' S	152° 00.372' E	-23.52448333	152.00620000
23° 31.069' S	152° 00.372' E	-23.51781667	152.00620000
23° 29.305' S	152° 00.372' E	-23.48841667	152.00620000



## Marine National Park Zones (Datum GDA94)

LATITUDE	LONGITUDE	Y_COORD	X_COORD
<b>Triangle Reef</b>			
<b>MNP-10-1001</b>	<b>area</b>		
10° 41.151' S	144° 12.018' E	-10.68585000	144.20030000
10° 48.021' S	144° 12.018' E	-10.80035000	144.20030000
10° 48.021' S	144° 02.394' E	-10.80035000	144.03990000
10° 50.400' S	144° 00.000' E	-10.84000000	144.00000000
10° 50.400' S	143° 57.600' E	-10.84000000	143.96000000
10° 41.207' S	143° 55.032' E	-10.68678333	143.91720000
<b>Torres Strait influenced reefs</b>			
<b>MNP-10-1002</b>	<b>(mid-shelf)</b>		
10° 49.302' S	143° 21.905' E	-10.82170000	143.36508333
10° 49.302' S	143° 29.241' E	-10.82170000	143.48735000
10° 49.302' S	143° 30.239' E	-10.82170000	143.50398333
10° 49.302' S	143° 42.099' E	-10.82170000	143.70165000
10° 55.693' S	143° 42.099' E	-10.92821667	143.70165000
10° 55.693' S	143° 21.905' E	-10.92821667	143.36508333
10° 50.504' S	143° 21.905' E	-10.84173333	143.36508333
10° 50.031' S	143° 21.905' E	-10.83385000	143.36508333
<b>Douglas Reef (11-038), Sinclair Reef (11-026) and Crocodile Reef (11-034)</b>			
<b>MNP-11-1003</b>	<b>complex</b>		
11° 04.404' S	142° 57.642' E	-11.07340000	142.96070000
11° 04.404' S	143° 02.965' E	-11.07340000	143.04941667
11° 09.462' S	143° 09.804' E	-11.15770000	143.16340000
11° 12.244' S	143° 09.804' E	-11.20406667	143.16340000
11° 16.434' S	143° 03.708' E	-11.27390000	143.06180000
11° 16.431' S	142° 57.648' E	-11.27385000	142.96080000
<b>Far Northern Cross Shelf Transect</b>			
<b>MNP-11-1004</b>			
11° 12.000' S	144° 04.200' E	-11.20000000	144.07000000
11° 12.000' S	144° 05.400' E	-11.20000000	144.09000000
11° 13.800' S	144° 05.400' E	-11.23000000	144.09000000
11° 13.800' S	145° 00.063' E	-11.23000000	145.00105000
12° 59.910' S	145° 00.063' E	-12.99850000	145.00105000
13° 18.506' S	145° 09.265' E	-13.30843333	145.15441667
13° 18.506' S	144° 21.600' E	-13.30843333	144.36000000
13° 27.000' S	144° 21.600' E	-13.45000000	144.36000000
13° 27.000' S	144° 04.788' E	-13.45000000	144.07980000
13° 29.007' S	144° 04.788' E	-13.48345000	144.07980000
13° 30.887' S	144° 02.589' E	-13.51478333	144.04315000
13° 33.600' S	143° 58.293' E	-13.56000000	143.97155000
13° 36.699' S	143° 48.501' E	-13.61165000	143.80835000
13° 36.699' S	143° 43.736' E	-13.61165000	143.72893333

13° 32.403' S	143° 43.484' E	-13.54005000	143.72473333
13° 31.778' S	143° 43.276' E	-13.52963333	143.72126667
13° 21.739' S	143° 56.292' E	-13.36231667	143.93820000
13° 18.591' S	143° 57.641' E	-13.30985000	143.96068333
13° 16.914' S	143° 55.754' E	-13.28190000	143.92923333
13° 13.104' S	143° 56.832' E	-13.21840000	143.94720000
13° 09.145' S	143° 55.660' E	-13.15241667	143.92766667
13° 08.335' S	143° 56.292' E	-13.13891667	143.93820000
13° 04.647' S	143° 56.292' E	-13.07745000	143.93820000
13° 02.980' S	143° 54.021' E	-13.04966667	143.90035000
12° 37.200' S	143° 54.021' E	-12.62000000	143.90035000
12° 37.200' S	144° 28.057' E	-12.62000000	144.46761667
12° 02.400' S	144° 28.057' E	-12.04000000	144.46761667
12° 02.400' S	144° 00.000' E	-12.04000000	144.00000000
12° 14.727' S	144° 00.000' E	-12.24545000	144.00000000
12° 21.800' S	143° 53.524' E	-12.36333333	143.89206667
12° 21.800' S	143° 51.048' E	-12.36333333	143.85080000
12° 19.100' S	143° 51.048' E	-12.31833333	143.85080000
12° 19.100' S	143° 50.566' E	-12.31833333	143.84276667
12° 01.275' S	143° 50.559' E	-12.02125000	143.84265000
12° 01.275' S	143° 54.116' E	-12.02125000	143.90193333
11° 48.171' S	143° 54.116' E	-11.80285000	143.90193333
11° 48.171' S	143° 37.510' E	-11.80285000	143.62516667
11° 50.059' S	143° 31.960' E	-11.83431667	143.53266667
11° 49.255' S	143° 30.068' E	-11.82091667	143.50113333
11° 47.264' S	143° 28.268' E	-11.78773333	143.47113333
11° 46.780' S	143° 27.222' E	-11.77966667	143.45370000
11° 43.895' S	143° 17.265' E	-11.73158333	143.28775000
11° 43.991' S	143° 15.964' E	-11.73318333	143.26606667
11° 45.000' S	143° 15.000' E	-11.75000000	143.25000000
11° 44.518' S	143° 13.052' E	-11.74196667	143.21753333
11° 42.000' S	143° 06.000' E	-11.70000000	143.10000000
11° 50.400' S	143° 06.000' E	-11.84000000	143.10000000
11° 52.999' S	143° 05.838' E	-11.88331667	143.09730000
11° 53.519' S	143° 05.805' E	-11.89198333	143.09675000
11° 38.913' S	142° 51.483' E	-11.64855000	142.85805000
11° 38.913' S	142° 53.564' E	-11.64855000	142.89273333
11° 31.895' S	142° 53.040' E	-11.53158333	142.88400000
11° 31.895' S	142° 50.195' E	-11.53158333	142.83658333
11° 17.913' S	142° 49.278' E	-11.29855000	142.82130000
11° 17.913' S	142° 52.827' E	-11.29855000	142.88045000
11° 17.913' S	143° 11.325' E	-11.29855000	143.18875000
11° 16.801' S	143° 11.325' E	-11.28001667	143.18875000
11° 16.801' S	143° 13.835' E	-11.28001667	143.23058333
11° 17.899' S	143° 13.835' E	-11.29831667	143.23058333
11° 17.899' S	143° 38.415' E	-11.29831667	143.64025000
11° 16.800' S	143° 38.415' E	-11.28000000	143.64025000
11° 16.800' S	143° 40.200' E	-11.28000000	143.67000000
11° 13.800' S	143° 40.200' E	-11.23000000	143.67000000
11° 13.800' S	144° 00.000' E	-11.23000000	144.00000000
11° 13.800' S	144° 03.600' E	-11.23000000	144.06000000

**Sir Charles**

**Hardy Islands**

**MNP-11-1005**

**Reef (11-184c)**

11° 51.073' S	143° 30.179' E	-11.85121667	143.50298333
11° 51.213' S	143° 32.465' E	-11.85355000	143.54108333

11° 52.113' S	143° 35.565' E	-11.86855000	143.59275000
11° 53.112' S	143° 36.864' E	-11.88520000	143.61440000
11° 57.600' S	143° 36.864' E	-11.96000000	143.61440000
11° 57.600' S	143° 31.800' E	-11.96000000	143.53000000
11° 58.200' S	143° 27.000' E	-11.97000000	143.45000000
11° 58.200' S	143° 24.706' E	-11.97000000	143.41176667
11° 58.200' S	143° 21.600' E	-11.97000000	143.36000000
11° 56.312' S	143° 21.600' E	-11.93853333	143.36000000
11° 55.200' S	143° 21.600' E	-11.92000000	143.36000000
11° 53.400' S	143° 24.000' E	-11.89000000	143.40000000
11° 51.600' S	143° 27.600' E	-11.86000000	143.46000000
<b>MNP-12-1006 Temple Bay</b>			
12° 10.420' S	143° 05.700' E	-12.17366667	143.09500000
12° 10.420' S	143° 07.473' E	-12.17366667	143.12455000
12° 13.601' S	143° 07.473' E	-12.22668333	143.12455000
12° 14.800' S	143° 07.473' E	-12.24666667	143.12455000
12° 16.626' S	143° 07.473' E	-12.27710000	143.12455000
12° 18.545' S	143° 12.935' E	-12.30908333	143.21558333
12° 21.774' S	143° 12.936' E	-12.36290000	143.21560000
12° 20.283' S	143° 06.941' E	-12.33805000	143.11568333
12° 19.716' S	143° 04.786' E	-12.32860000	143.07976667
12° 16.051' S	143° 05.397' E	-12.26751667	143.08995000
12° 16.051' S	143° 06.276' E	-12.26751667	143.10460000
12° 14.313' S	143° 06.276' E	-12.23855000	143.10460000
12° 14.313' S	143° 05.289' E	-12.23855000	143.08815000
<b>Northern Small Detached Reef</b>			
<b>MNP-12-1007 (12-067)</b>			
12° 24.060' S	143° 49.887' E	-12.40100000	143.83145000
12° 24.060' S	143° 51.619' E	-12.40100000	143.86031667
12° 25.674' S	143° 51.619' E	-12.42790000	143.86031667
12° 25.674' S	143° 49.887' E	-12.42790000	143.83145000
<b>Unnamed reef 12:</b>			
<b>MNP-12-1008 100</b>			
12° 24.290' S	143° 40.954' E	-12.40483333	143.68256667
12° 25.804' S	143° 43.867' E	-12.43006667	143.73111667
12° 38.398' S	143° 47.061' E	-12.63996667	143.78435000
12° 47.400' S	143° 47.061' E	-12.79000000	143.78435000
12° 47.400' S	143° 42.600' E	-12.79000000	143.71000000
12° 47.400' S	143° 41.438' E	-12.79000000	143.69063333
12° 40.859' S	143° 41.438' E	-12.68098333	143.69063333
12° 26.432' S	143° 38.606' E	-12.44053333	143.64343333
<b>MNP-12-1009 Fair Cape</b>			
12° 24.404' S	143° 16.428' E	-12.40673333	143.27380000
12° 24.404' S	143° 17.640' E	-12.40673333	143.29400000
12° 24.830' S	143° 17.996' E	-12.41383333	143.29993333
12° 28.941' S	143° 17.996' E	-12.48235000	143.29993333
12° 28.941' S	143° 16.616' E	-12.48235000	143.27693333
<b>MNP-12-1010 Weymouth Bay</b>			
12° 31.170' S	143° 17.205' E	-12.51950000	143.28675000
12° 31.170' S	143° 19.287' E	-12.51950000	143.32145000
12° 33.600' S	143° 21.600' E	-12.56000000	143.36000000
12° 33.852' S	143° 21.267' E	-12.56420000	143.35445000

**Southern Small  
Detached Reef  
(12-099)**

<b>MNP-12-1011</b>			
12° 33.981' S	143° 49.992' E	-12.56635000	143.83320000
12° 33.981' S	143° 53.403' E	-12.56635000	143.89005000
12° 36.078' S	143° 53.403' E	-12.60130000	143.89005000
12° 36.078' S	143° 49.992' E	-12.60130000	143.83320000

**Orchid Point/Old  
Site**

<b>MNP-12-1012</b>			
12° 48.000' S	143° 25.622' E	-12.80000000	143.42703333
12° 48.000' S	143° 33.118' E	-12.80000000	143.55196667
12° 48.722' S	143° 33.604' E	-12.81203333	143.56006667
13° 03.025' S	143° 33.604' E	-13.05041667	143.56006667
13° 04.349' S	143° 30.521' E	-13.07248333	143.50868333
12° 50.919' S	143° 26.982' E	-12.84865000	143.44970000

**Cat Reef (12-  
143)**

<b>MNP-12-1013</b>			
12° 58.699' S	143° 50.555' E	-12.97831667	143.84258333
12° 58.727' S	143° 50.685' E	-12.97878333	143.84475000
12° 59.804' S	143° 51.746' E	-12.99673333	143.86243333
13° 00.168' S	143° 51.888' E	-13.00280000	143.86480000
13° 00.635' S	143° 51.945' E	-13.01058333	143.86575000
13° 00.961' S	143° 51.858' E	-13.01601667	143.86430000
13° 01.061' S	143° 51.755' E	-13.01768333	143.86258333
13° 01.055' S	143° 51.582' E	-13.01758333	143.85970000
13° 00.977' S	143° 51.372' E	-13.01628333	143.85620000
13° 00.801' S	143° 51.132' E	-13.01335000	143.85220000
13° 00.224' S	143° 50.458' E	-13.00373333	143.84096667
12° 59.619' S	143° 50.317' E	-12.99365000	143.83861667
12° 59.427' S	143° 50.187' E	-12.99045000	143.83645000
12° 59.462' S	143° 49.810' E	-12.99103333	143.83016667
12° 59.322' S	143° 49.836' E	-12.98870000	143.83060000

**Osborne Reef  
(13-006)**

<b>MNP-13-1014</b>			
13° 01.748' S	143° 37.321' E	-13.02913333	143.62201667
13° 01.748' S	143° 41.689' E	-13.02913333	143.69481667
13° 04.800' S	143° 37.798' E	-13.08000000	143.62996667
13° 03.346' S	143° 36.744' E	-13.05576667	143.61240000
13° 02.300' S	143° 36.744' E	-13.03833333	143.61240000

**Night Island (13-  
031)**

<b>MNP-13-1015</b>			
13° 09.990' S	143° 34.020' E	-13.16650000	143.56700000
13° 09.990' S	143° 35.100' E	-13.16650000	143.58500000
13° 12.095' S	143° 35.100' E	-13.20158333	143.58500000
13° 12.095' S	143° 34.486' E	-13.20158333	143.57476667
13° 12.095' S	143° 34.020' E	-13.20158333	143.56700000

**Cape Sidmouth**

<b>MNP-13-1016</b>			
13° 21.360' S	143° 32.644' E	-13.35600000	143.54406667
13° 21.360' S	143° 37.560' E	-13.35600000	143.62600000
13° 24.120' S	143° 39.360' E	-13.40200000	143.65600000
13° 26.795' S	143° 39.135' E	-13.44658333	143.65225000
13° 26.856' S	143° 39.123' E	-13.44760000	143.65205000
13° 27.483' S	143° 39.051' E	-13.45805000	143.65085000
13° 29.888' S	143° 38.775' E	-13.49813333	143.64625000
13° 29.880' S	143° 34.814' E	-13.49800000	143.58023333

**Unnamed reef 13-125**

**MNP-13-1017**

13° 47.751' S	144° 16.024' E	-13.79585000	144.26706667
13° 47.751' S	144° 19.431' E	-13.79585000	144.32385000
13° 50.658' S	144° 19.431' E	-13.84430000	144.32385000
13° 50.658' S	144° 16.024' E	-13.84430000	144.26706667
13° 48.639' S	144° 16.024' E	-13.81065000	144.26706667

**North and South Warden Reefs complex**

**MNP-13-1018**

13° 48.000' S	144° 32.996' E	-13.80000000	144.54993333
13° 48.000' S	145° 06.925' E	-13.80000000	145.11541667
14° 10.236' S	145° 06.925' E	-14.17060000	145.11541667
14° 10.236' S	144° 58.360' E	-14.17060000	144.97266667
14° 14.279' S	144° 58.360' E	-14.23798333	144.97266667
14° 14.279' S	144° 49.969' E	-14.23798333	144.83281667
14° 17.819' S	144° 49.969' E	-14.29698333	144.83281667
14° 20.227' S	144° 47.604' E	-14.33711667	144.79340000
14° 24.000' S	144° 47.604' E	-14.40000000	144.79340000
14° 24.000' S	144° 46.500' E	-14.40000000	144.77500000
14° 22.500' S	144° 43.500' E	-14.37500000	144.72500000
14° 18.000' S	144° 40.500' E	-14.30000000	144.67500000
14° 15.001' S	144° 39.000' E	-14.25001667	144.65000000
14° 10.502' S	144° 37.498' E	-14.17503333	144.62496667
14° 04.500' S	144° 37.498' E	-14.07500000	144.62496667
14° 03.753' S	144° 36.938' E	-14.06255000	144.61563333
14° 03.753' S	144° 32.841' E	-14.06255000	144.54735000
14° 00.000' S	144° 32.841' E	-14.00000000	144.54735000
13° 55.500' S	144° 32.841' E	-13.92500000	144.54735000
13° 55.298' S	144° 32.996' E	-13.92163333	144.54993333

**Corbett Reef (14-016) and Grub Reef (14-003)**

**MNP-13-1019**

13° 52.302' S	144° 10.800' E	-13.87170000	144.18000000
13° 52.302' S	144° 13.857' E	-13.87170000	144.23095000
13° 54.844' S	144° 14.844' E	-13.91406667	144.24740000
13° 58.779' S	144° 14.844' E	-13.97965000	144.24740000
14° 04.821' S	144° 07.854' E	-14.08035000	144.13090000
14° 04.821' S	144° 01.365' E	-14.08035000	144.02275000
14° 02.316' S	143° 54.641' E	-14.03860000	143.91068333
13° 52.803' S	144° 03.599' E	-13.88005000	144.05998333
13° 53.400' S	144° 04.200' E	-13.89000000	144.07000000
13° 53.400' S	144° 10.200' E	-13.89000000	144.17000000

**Hedge Reef (13-108)**

**MNP-13-1174**

13° 46.738' S	143° 59.770' E	-13.77896667	143.99616667
13° 46.738' S	144° 00.600' E	-13.77896667	144.01000000
13° 47.331' S	144° 01.305' E	-13.78885000	144.02175000
13° 49.973' S	144° 01.305' E	-13.83288333	144.02175000
13° 52.215' S	144° 00.421' E	-13.87025000	144.00701667
13° 53.389' S	144° 00.110' E	-13.88981667	144.00183333
13° 55.200' S	144° 00.000' E	-13.92000000	144.00000000
13° 57.001' S	143° 58.800' E	-13.95001667	143.98000000
13° 58.802' S	143° 55.800' E	-13.98003333	143.93000000
13° 59.400' S	143° 54.600' E	-13.99000000	143.91000000

13° 58.802' S	143° 52.202' E	-13.98003333	143.87003333
13° 56.400' S	143° 52.202' E	-13.94000000	143.87003333
13° 55.124' S	143° 53.469' E	-13.91873333	143.89115000
13° 53.781' S	143° 54.219' E	-13.89635000	143.90365000
13° 52.800' S	143° 55.200' E	-13.88000000	143.92000000
13° 51.458' S	143° 55.857' E	-13.85763333	143.93095000
13° 50.208' S	143° 57.911' E	-13.83680000	143.96518333
13° 48.321' S	143° 58.811' E	-13.80535000	143.98018333
13° 47.511' S	143° 59.060' E	-13.79185000	143.98433333

**Clack Reef (14-017)**

<b>MNP-14-1020</b>			
14° 02.595' S	144° 15.044' E	-14.04325000	144.25073333
14° 02.595' S	144° 16.577' E	-14.04325000	144.27628333
14° 05.244' S	144° 16.577' E	-14.08740000	144.27628333
14° 05.244' S	144° 12.244' E	-14.08740000	144.20406667
14° 03.969' S	144° 12.244' E	-14.06615000	144.20406667

**King Island Reef**

**(14-018)**

<b>MNP-14-1021</b>			
14° 05.042' S	144° 19.740' E	-14.08403333	144.32900000
14° 05.042' S	144° 20.100' E	-14.08403333	144.33500000
14° 05.220' S	144° 20.520' E	-14.08700000	144.34200000
14° 05.640' S	144° 20.580' E	-14.09400000	144.34300000
14° 06.120' S	144° 20.340' E	-14.10200000	144.33900000
14° 06.360' S	144° 19.980' E	-14.10600000	144.33300000
14° 06.651' S	144° 19.220' E	-14.11085000	144.32033333
14° 06.651' S	144° 18.823' E	-14.11085000	144.31371667
14° 06.462' S	144° 18.430' E	-14.10770000	144.30716667
14° 06.350' S	144° 18.430' E	-14.10583333	144.30716667
14° 05.966' S	144° 18.867' E	-14.09943333	144.31445000
14° 05.490' S	144° 19.206' E	-14.09150000	144.32010000

**Cape Melville -**

**Ninian Bay**

<b>MNP-14-1022</b>			
14° 08.912' S	144° 30.024' E	-14.14853333	144.50040000
14° 08.912' S	144° 31.565' E	-14.14853333	144.52608333
14° 14.911' S	144° 36.064' E	-14.24851667	144.60106667
14° 18.254' S	144° 38.066' E	-14.30423333	144.63443333
14° 20.040' S	144° 38.820' E	-14.33400000	144.64700000
14° 20.040' S	144° 36.942' E	-14.33400000	144.61570000
14° 21.920' S	144° 35.763' E	-14.36533333	144.59605000
14° 09.970' S	144° 30.024' E	-14.16616667	144.50040000

**Princess**

**Charlotte Bay**

**(offshore)**

<b>MNP-14-1023</b>			
14° 12.217' S	143° 47.079' E	-14.20361667	143.78465000
14° 13.809' S	143° 48.600' E	-14.23015000	143.81000000
14° 19.509' S	144° 02.272' E	-14.32515000	144.03786667
14° 26.929' S	144° 02.272' E	-14.44881667	144.03786667
14° 26.929' S	143° 54.692' E	-14.44881667	143.91153333
14° 17.924' S	143° 44.304' E	-14.29873333	143.73840000
14° 16.518' S	143° 43.998' E	-14.27530000	143.73330000
14° 16.533' S	143° 43.894' E	-14.27555000	143.73156667
14° 16.536' S	143° 43.846' E	-14.27560000	143.73076667
14° 13.422' S	143° 42.489' E	-14.22370000	143.70815000

**Stapleton Island**

**Reef (14-054)**

**MNP-14-1024**

14° 18.231' S	144° 50.469' E	-14.30385000	144.84115000
14° 18.231' S	144° 52.563' E	-14.30385000	144.87605000
14° 20.265' S	144° 52.563' E	-14.33775000	144.87605000
14° 20.265' S	144° 50.469' E	-14.33775000	144.84115000

**Barrow Point to  
Lookout Point**

**MNP-14-1025**

14° 21.960' S	144° 38.992' E	-14.36600000	144.64986667
14° 21.960' S	144° 39.720' E	-14.36600000	144.66200000
14° 22.680' S	144° 39.718' E	-14.37800000	144.66196667
14° 24.007' S	144° 38.506' E	-14.40011667	144.64176667
14° 26.276' S	144° 38.506' E	-14.43793333	144.64176667
14° 28.278' S	144° 42.678' E	-14.47130000	144.71130000
14° 29.706' S	144° 45.959' E	-14.49510000	144.76598333
14° 31.380' S	144° 50.470' E	-14.52300000	144.84116667
14° 31.544' S	144° 50.913' E	-14.52573333	144.84855000
14° 32.947' S	144° 54.702' E	-14.54911667	144.91170000
14° 41.524' S	145° 04.371' E	-14.69206667	145.07285000
14° 44.869' S	145° 04.371' E	-14.74781667	145.07285000
14° 44.875' S	145° 06.790' E	-14.74791667	145.11316667
14° 43.676' S	145° 06.795' E	-14.72793333	145.11325000
14° 41.558' S	145° 12.578' E	-14.69263333	145.20963333
14° 41.739' S	145° 13.005' E	-14.69565000	145.21675000
14° 46.050' S	145° 13.005' E	-14.76750000	145.21675000
14° 50.017' S	145° 13.879' E	-14.83361667	145.23131667
14° 49.824' S	145° 13.557' E	-14.83040000	145.22595000
14° 49.824' S	145° 13.447' E	-14.83040000	145.22411667
14° 49.887' S	145° 13.447' E	-14.83145000	145.22411667
14° 49.944' S	145° 13.405' E	-14.83240000	145.22341667
14° 50.013' S	145° 13.405' E	-14.83355000	145.22341667
14° 50.127' S	145° 13.325' E	-14.83545000	145.22208333
14° 50.210' S	145° 13.308' E	-14.83683333	145.22180000
14° 50.248' S	145° 13.174' E	-14.83746667	145.21956667
14° 50.235' S	145° 12.771' E	-14.83725000	145.21285000
14° 50.283' S	145° 12.132' E	-14.83805000	145.20220000
14° 50.269' S	145° 11.934' E	-14.83781667	145.19890000
14° 50.269' S	145° 11.862' E	-14.83781667	145.19770000
14° 47.688' S	145° 01.596' E	-14.79480000	145.02660000
14° 47.653' S	145° 01.495' E	-14.79421667	145.02491667
14° 47.540' S	145° 01.403' E	-14.79233333	145.02338333
14° 47.426' S	145° 01.337' E	-14.79043333	145.02228333
14° 47.359' S	145° 01.321' E	-14.78931667	145.02201667
14° 47.229' S	145° 01.386' E	-14.78715000	145.02310000
14° 47.111' S	145° 01.414' E	-14.78518333	145.02356667
14° 46.941' S	145° 01.335' E	-14.78235000	145.02225000
14° 46.826' S	145° 01.147' E	-14.78043333	145.01911667
14° 46.826' S	145° 01.069' E	-14.78043333	145.01781667

**Combe Reef (14-  
063)**

**MNP-14-1026**

14° 23.391' S	144° 54.423' E	-14.38985000	144.90705000
14° 23.391' S	144° 55.674' E	-14.38985000	144.92790000
14° 23.501' S	144° 56.484' E	-14.39168333	144.94140000
14° 23.700' S	144° 56.796' E	-14.39500000	144.94660000
14° 23.897' S	144° 58.116' E	-14.39828333	144.96860000
14° 23.897' S	144° 58.800' E	-14.39828333	144.98000000
14° 24.342' S	144° 59.443' E	-14.40570000	144.99071667

14° 24.796' S	144° 59.700' E	-14.41326667	144.99500000
14° 25.146' S	144° 59.772' E	-14.41910000	144.99620000
14° 25.688' S	144° 59.772' E	-14.42813333	144.99620000
14° 26.202' S	144° 59.364' E	-14.43670000	144.98940000
14° 26.656' S	144° 58.682' E	-14.44426667	144.97803333
14° 26.656' S	144° 57.792' E	-14.44426667	144.96320000
14° 25.922' S	144° 55.294' E	-14.43203333	144.92156667
14° 24.699' S	144° 54.307' E	-14.41165000	144.90511667
14° 24.332' S	144° 53.730' E	-14.40553333	144.89550000
14° 23.954' S	144° 53.733' E	-14.39923333	144.89555000
14° 23.559' S	144° 54.060' E	-14.39265000	144.90100000

**Hilder Reef (14-085) surrounds**

<b>MNP-14-1027</b>			
14° 24.645' S	145° 24.845' E	-14.41075000	145.41408333
14° 24.645' S	145° 26.400' E	-14.41075000	145.44000000
14° 28.567' S	145° 26.400' E	-14.47611667	145.44000000
14° 28.567' S	145° 22.716' E	-14.47611667	145.37860000
14° 26.346' S	145° 22.716' E	-14.43910000	145.37860000
14° 26.098' S	145° 23.026' E	-14.43496667	145.38376667
14° 28.301' S	145° 23.026' E	-14.47168333	145.38376667
14° 28.301' S	145° 25.202' E	-14.47168333	145.42003333
14° 26.880' S	145° 25.920' E	-14.44800000	145.43200000
14° 25.042' S	145° 25.920' E	-14.41736667	145.43200000
14° 25.042' S	145° 24.347' E	-14.41736667	145.40578333

**No Name Reef (14-139)**

<b>MNP-14-1028</b>			
14° 37.634' S	145° 38.888' E	-14.62723333	145.64813333
14° 37.845' S	145° 39.234' E	-14.63075000	145.65390000
14° 38.154' S	145° 39.516' E	-14.63590000	145.65860000
14° 38.667' S	145° 39.650' E	-14.64445000	145.66083333
14° 38.793' S	145° 39.624' E	-14.64655000	145.66040000
14° 38.946' S	145° 39.624' E	-14.64910000	145.66040000
14° 39.093' S	145° 39.584' E	-14.65155000	145.65973333
14° 39.368' S	145° 39.315' E	-14.65613333	145.65525000
14° 39.573' S	145° 38.954' E	-14.65955000	145.64923333
14° 39.603' S	145° 38.805' E	-14.66005000	145.64675000
14° 39.564' S	145° 38.578' E	-14.65940000	145.64296667
14° 39.450' S	145° 38.328' E	-14.65750000	145.63880000
14° 39.237' S	145° 38.104' E	-14.65395000	145.63506667
14° 39.030' S	145° 38.005' E	-14.65050000	145.63341667
14° 38.725' S	145° 37.935' E	-14.64541667	145.63225000
14° 38.292' S	145° 37.905' E	-14.63820000	145.63175000
14° 37.969' S	145° 38.241' E	-14.63281667	145.63735000
14° 37.812' S	145° 38.454' E	-14.63020000	145.64090000
14° 37.767' S	145° 38.485' E	-14.62945000	145.64141667
14° 37.641' S	145° 38.739' E	-14.62735000	145.64565000

**Nymph Reef (14-115), Eyrie Reef (14-118) and Rocky Islets Reef (14-132a)**

<b>MNP-14-1029</b>			
14° 37.755' S	145° 14.400' E	-14.62925000	145.24000000
14° 37.755' S	145° 27.060' E	-14.62925000	145.45100000
14° 38.375' S	145° 27.060' E	-14.63958333	145.45100000



14° 38.813' S	145° 27.060' E	-14.64688333	145.45100000
14° 38.813' S	145° 27.045' E	-14.64688333	145.45075000
14° 38.813' S	145° 26.163' E	-14.64688333	145.43605000
14° 39.948' S	145° 25.800' E	-14.66580000	145.43000000
14° 42.600' S	145° 25.800' E	-14.71000000	145.43000000
14° 42.600' S	145° 29.046' E	-14.71000000	145.48410000
14° 40.560' S	145° 29.046' E	-14.67600000	145.48410000
14° 40.560' S	145° 30.021' E	-14.67600000	145.50035000
14° 44.039' S	145° 30.021' E	-14.73398333	145.50035000
14° 45.142' S	145° 30.021' E	-14.75236667	145.50035000
14° 48.123' S	145° 30.021' E	-14.80205000	145.50035000
14° 50.340' S	145° 30.021' E	-14.83900000	145.50035000
14° 52.499' S	145° 30.021' E	-14.87498333	145.50035000
14° 52.499' S	145° 27.597' E	-14.87498333	145.45995000
14° 58.614' S	145° 27.597' E	-14.97690000	145.45995000
14° 58.614' S	145° 23.999' E	-14.97690000	145.39998333
14° 47.999' S	145° 19.800' E	-14.79998333	145.33000000
14° 47.999' S	145° 21.236' E	-14.79998333	145.35393333
14° 44.991' S	145° 23.411' E	-14.74985000	145.39018333
14° 44.397' S	145° 22.794' E	-14.73995000	145.37990000
14° 44.400' S	145° 19.800' E	-14.74000000	145.33000000
14° 40.200' S	145° 14.400' E	-14.67000000	145.24000000

**Ribbon Reef No.**

<b>MNP-14-1030</b>	<b>10 (14-146)</b>		
14° 39.402' S	145° 39.530' E	-14.65670000	145.65883333
14° 39.601' S	145° 39.978' E	-14.66001667	145.66630000
14° 39.806' S	145° 40.157' E	-14.66343333	145.66928333
14° 40.422' S	145° 40.355' E	-14.67370000	145.67258333
14° 40.719' S	145° 40.566' E	-14.67865000	145.67610000
14° 40.844' S	145° 40.909' E	-14.68073333	145.68181667
14° 41.556' S	145° 41.124' E	-14.69260000	145.68540000
14° 42.000' S	145° 41.635' E	-14.70000000	145.69391667
14° 42.156' S	145° 41.946' E	-14.70260000	145.69910000
14° 42.576' S	145° 42.216' E	-14.70960000	145.70360000
14° 44.211' S	145° 42.453' E	-14.73685000	145.70755000
14° 44.518' S	145° 42.558' E	-14.74196667	145.70930000
14° 44.984' S	145° 42.903' E	-14.74973333	145.71505000
14° 45.888' S	145° 43.044' E	-14.76480000	145.71740000
14° 46.775' S	145° 43.284' E	-14.77958333	145.72140000
14° 49.184' S	145° 43.692' E	-14.81973333	145.72820000
14° 50.703' S	145° 44.058' E	-14.84505000	145.73430000
14° 52.153' S	145° 44.157' E	-14.86921667	145.73595000
14° 53.183' S	145° 44.030' E	-14.88638333	145.73383333
14° 54.309' S	145° 43.677' E	-14.90515000	145.72795000
14° 55.224' S	145° 43.256' E	-14.92040000	145.72093333
14° 55.548' S	145° 42.861' E	-14.92580000	145.71435000
14° 55.703' S	145° 42.438' E	-14.92838333	145.70730000
14° 55.703' S	145° 41.988' E	-14.92838333	145.69980000
14° 55.977' S	145° 41.793' E	-14.93295000	145.69655000
14° 55.978' S	145° 41.511' E	-14.93296667	145.69185000
14° 56.097' S	145° 41.412' E	-14.93495000	145.69020000
14° 56.172' S	145° 41.235' E	-14.93620000	145.68725000
14° 56.264' S	145° 40.830' E	-14.93773333	145.68050000
14° 56.250' S	145° 40.646' E	-14.93750000	145.67743333
14° 56.203' S	145° 40.479' E	-14.93671667	145.67465000
14° 56.062' S	145° 40.353' E	-14.93436667	145.67255000

14° 55.985' S	145° 40.353' E	-14.93308333	145.67255000
14° 55.985' S	145° 40.127' E	-14.93308333	145.66878333
14° 54.381' S	145° 40.127' E	-14.90635000	145.66878333
14° 54.381' S	145° 40.806' E	-14.90635000	145.68010000
14° 44.953' S	145° 40.806' E	-14.74921667	145.68010000
14° 40.993' S	145° 38.508' E	-14.68321667	145.64180000
14° 40.188' S	145° 39.098' E	-14.66980000	145.65163333
14° 40.176' S	145° 38.879' E	-14.66960000	145.64798333
14° 40.021' S	145° 38.684' E	-14.66701667	145.64473333
14° 39.943' S	145° 38.534' E	-14.66571667	145.64223333
14° 39.905' S	145° 38.514' E	-14.66508333	145.64190000

**South Direction**

**Island Reef (14-147a and b)**

<b>MNP-14-1031</b>			
14° 49.206' S	145° 31.159' E	-14.82010000	145.51931667
14° 49.394' S	145° 31.748' E	-14.82323333	145.52913333
14° 49.656' S	145° 31.878' E	-14.82760000	145.53130000
14° 49.794' S	145° 31.546' E	-14.82990000	145.52576667
14° 49.455' S	145° 31.014' E	-14.82425000	145.51690000

**Decapolis Reef**

**(14-131)**

<b>MNP-14-1032</b>			
14° 50.748' S	145° 15.985' E	-14.84580000	145.26641667
14° 50.748' S	145° 16.755' E	-14.84580000	145.27925000
14° 50.760' S	145° 16.800' E	-14.84600000	145.28000000
14° 51.498' S	145° 16.800' E	-14.85830000	145.28000000
14° 51.498' S	145° 15.985' E	-14.85830000	145.26641667

**Three Islands Reef (15-005) and offshore**

**Cape Bedford**

<b>MNP-15-1033</b>			
15° 02.840' S	145° 23.999' E	-15.04733333	145.39998333
15° 02.840' S	145° 27.597' E	-15.04733333	145.45995000
15° 02.840' S	145° 29.400' E	-15.04733333	145.49000000
15° 07.800' S	145° 29.400' E	-15.13000000	145.49000000
15° 07.800' S	145° 27.600' E	-15.13000000	145.46000000
15° 15.119' S	145° 27.600' E	-15.25198333	145.46000000
15° 15.119' S	145° 23.999' E	-15.25198333	145.39998333
15° 06.249' S	145° 23.999' E	-15.10415000	145.39998333
15° 05.248' S	145° 23.999' E	-15.08746667	145.39998333

**Offshore Ribbon**

**Reef No. 6 - adjacent to Marine Park boundary**

<b>MNP-15-1034</b>			
15° 06.522' S	145° 55.122' E	-15.10870000	145.91870000
15° 06.522' S	146° 02.674' E	-15.10870000	146.04456667
15° 21.330' S	146° 08.535' E	-15.35550000	146.14225000
15° 21.330' S	145° 55.122' E	-15.35550000	145.91870000
15° 19.836' S	145° 55.122' E	-15.33060000	145.91870000

**Lark Reef (15-033), Ribbon Reef No. 7 (15-026) and**

**surrounds**

<b>MNP-15-1035</b>			
15° 11.402' S	145° 43.800' E	-15.19003333	145.73000000

15° 11.402' S	145° 44.417' E	-15.19003333	145.74028333
15° 11.859' S	145° 44.645' E	-15.19765000	145.74408333
15° 12.146' S	145° 45.234' E	-15.20243333	145.75390000
15° 12.551' S	145° 45.221' E	-15.20918333	145.75368333
15° 12.864' S	145° 44.952' E	-15.21440000	145.74920000
15° 13.346' S	145° 45.002' E	-15.22243333	145.75003333
15° 13.509' S	145° 45.114' E	-15.22515000	145.75190000
15° 13.817' S	145° 45.078' E	-15.23028333	145.75130000
15° 14.119' S	145° 44.721' E	-15.23531667	145.74535000
15° 15.120' S	145° 44.721' E	-15.25200000	145.74535000
15° 15.810' S	145° 44.143' E	-15.26350000	145.73571667
15° 18.096' S	145° 44.143' E	-15.30160000	145.73571667
15° 18.096' S	145° 45.449' E	-15.30160000	145.75748333
15° 18.096' S	145° 45.872' E	-15.30160000	145.76453333
15° 18.225' S	145° 46.114' E	-15.30375000	145.76856667
15° 18.858' S	145° 46.425' E	-15.31430000	145.77375000
15° 19.106' S	145° 46.344' E	-15.31843333	145.77240000
15° 19.236' S	145° 46.147' E	-15.32060000	145.76911667
15° 19.268' S	145° 45.951' E	-15.32113333	145.76585000
15° 20.074' S	145° 45.329' E	-15.33456667	145.75548333
15° 20.448' S	145° 44.976' E	-15.34080000	145.74960000
15° 22.119' S	145° 39.285' E	-15.36865000	145.65475000
15° 20.256' S	145° 39.285' E	-15.33760000	145.65475000
15° 20.256' S	145° 30.960' E	-15.33760000	145.51600000
15° 21.993' S	145° 30.959' E	-15.36655000	145.51598333
15° 23.383' S	145° 35.453' E	-15.38971667	145.59088333
15° 23.383' S	145° 30.000' E	-15.38971667	145.50000000
15° 15.600' S	145° 30.000' E	-15.26000000	145.50000000
15° 15.600' S	145° 34.800' E	-15.26000000	145.58000000

**Ribbon Reef No.  
5 patches north  
(unnamed reefs  
15-040 and 15-  
041)**

<b>MNP-15-1037</b>			
15° 23.020' S	145° 45.512' E	-15.38366667	145.75853333
15° 23.020' S	145° 46.044' E	-15.38366667	145.76740000
15° 24.055' S	145° 46.757' E	-15.40091667	145.77928333
15° 24.338' S	145° 46.757' E	-15.40563333	145.77928333
15° 24.338' S	145° 45.512' E	-15.40563333	145.75853333

**Ribbon Reef No.  
5 patches south  
(unnamed reef  
15-042)**

<b>MNP-15-1038</b>			
15° 24.464' S	145° 46.229' E	-15.40773333	145.77048333
15° 24.464' S	145° 46.393' E	-15.40773333	145.77321667
15° 24.522' S	145° 46.500' E	-15.40870000	145.77500000
15° 24.522' S	145° 46.584' E	-15.40870000	145.77640000
15° 24.542' S	145° 46.719' E	-15.40903333	145.77865000
15° 24.633' S	145° 46.719' E	-15.41055000	145.77865000
15° 24.706' S	145° 46.653' E	-15.41176667	145.77755000
15° 24.811' S	145° 46.476' E	-15.41351667	145.77460000
15° 24.789' S	145° 46.332' E	-15.41315000	145.77220000
15° 24.801' S	145° 46.185' E	-15.41335000	145.76975000
15° 24.744' S	145° 46.044' E	-15.41240000	145.76740000

15° 24.645' S	145° 45.933' E	-15.41075000	145.76555000
15° 24.552' S	145° 45.933' E	-15.40920000	145.76555000
15° 24.498' S	145° 45.987' E	-15.40830000	145.76645000

**Ribbon Reef No.  
3 (15-050, 15-072  
and 15-073)**

<b>MNP-15-1039</b>			
15° 29.460' S	145° 46.292' E	-15.49100000	145.77153333
15° 29.460' S	145° 48.856' E	-15.49100000	145.81426667
15° 30.704' S	145° 48.417' E	-15.51173333	145.80695000
15° 31.973' S	145° 47.100' E	-15.53288333	145.78500000
15° 31.973' S	145° 46.292' E	-15.53288333	145.77153333

**Offshore Archer  
Point**

<b>MNP-15-1040</b>			
15° 29.993' S	145° 23.280' E	-15.49988333	145.38800000
15° 29.993' S	145° 27.360' E	-15.49988333	145.45600000
15° 33.317' S	145° 27.360' E	-15.55528333	145.45600000
15° 33.317' S	145° 28.214' E	-15.55528333	145.47023333
15° 35.993' S	145° 28.214' E	-15.59988333	145.47023333
15° 35.993' S	145° 25.207' E	-15.59988333	145.42011667
15° 37.795' S	145° 25.207' E	-15.62991667	145.42011667
15° 37.795' S	145° 23.280' E	-15.62991667	145.38800000

**Ribbon Reef No.  
2 (15-075)**

<b>MNP-15-1041</b>			
15° 31.941' S	145° 47.565' E	-15.53235000	145.79275000
15° 31.941' S	145° 48.499' E	-15.53235000	145.80831667
15° 32.086' S	145° 48.475' E	-15.53476667	145.80791667
15° 32.191' S	145° 48.600' E	-15.53651667	145.81000000
15° 32.505' S	145° 48.600' E	-15.54175000	145.81000000
15° 32.836' S	145° 48.532' E	-15.54726667	145.80886667
15° 33.308' S	145° 48.172' E	-15.55513333	145.80286667
15° 33.926' S	145° 48.172' E	-15.56543333	145.80286667
15° 34.179' S	145° 48.038' E	-15.56965000	145.80063333
15° 34.247' S	145° 47.931' E	-15.57078333	145.79885000
15° 35.143' S	145° 47.439' E	-15.58571667	145.79065000
15° 35.143' S	145° 47.185' E	-15.58571667	145.78641667
15° 34.518' S	145° 46.276' E	-15.57530000	145.77126667
15° 34.150' S	145° 46.276' E	-15.56916667	145.77126667

**Endeavour Reef  
(15-089)/Irene  
Reef (15-084)**

<b>MNP-15-1042</b>			
15° 39.935' S	145° 34.984' E	-15.66558333	145.58306667
15° 39.935' S	145° 45.192' E	-15.66558333	145.75320000
15° 47.474' S	145° 45.192' E	-15.79123333	145.75320000
15° 47.470' S	145° 39.438' E	-15.79116667	145.65730000
15° 45.000' S	145° 38.907' E	-15.75000000	145.64845000
15° 45.000' S	145° 34.984' E	-15.75000000	145.58306667

**Offshore  
Agincourt Reefs -  
adjacent to  
Marine Park**

<b>MNP-15-1043</b>			
15° 40.405' S	146° 09.078' E	-15.67341667	146.15130000

15° 40.405' S	146° 16.102' E	-15.67341667	146.26836667
16° 04.759' S	146° 25.803' E	-16.07931667	146.43005000
16° 04.759' S	146° 19.579' E	-16.07931667	146.32631667

**Endeavour Reef**

**MNP-15-1044**

**(15-089)**

15° 45.738' S	145° 36.024' E	-15.76230000	145.60040000
15° 46.070' S	145° 37.895' E	-15.76783333	145.63158333
15° 46.353' S	145° 38.057' E	-15.77255000	145.63428333
15° 47.479' S	145° 37.992' E	-15.79131667	145.63320000
15° 49.585' S	145° 38.850' E	-15.82641667	145.64750000
15° 50.400' S	145° 38.850' E	-15.84000000	145.64750000
15° 50.400' S	145° 36.600' E	-15.84000000	145.61000000
15° 50.400' S	145° 30.000' E	-15.84000000	145.50000000
15° 47.390' S	145° 30.000' E	-15.78983333	145.50000000
15° 47.390' S	145° 32.026' E	-15.78983333	145.53376667
15° 46.477' S	145° 31.957' E	-15.77461667	145.53261667
15° 45.786' S	145° 32.291' E	-15.76310000	145.53818333
15° 45.786' S	145° 33.003' E	-15.76310000	145.55005000
15° 46.110' S	145° 33.586' E	-15.76850000	145.55976667
15° 46.110' S	145° 34.509' E	-15.76850000	145.57515000
15° 45.819' S	145° 35.076' E	-15.76365000	145.58460000

**Cedar Bay**

**(Obree Point to  
Rattlesnake**

**MNP-15-1045**

**Point)**

15° 45.805' S	145° 22.128' E	-15.76341667	145.36880000
15° 45.805' S	145° 22.569' E	-15.76341667	145.37615000
15° 49.800' S	145° 22.569' E	-15.83000000	145.37615000
15° 50.220' S	145° 22.920' E	-15.83700000	145.38200000
15° 50.880' S	145° 22.920' E	-15.84800000	145.38200000
15° 51.144' S	145° 22.754' E	-15.85240000	145.37923333
15° 51.144' S	145° 22.286' E	-15.85240000	145.37143333

**Agincourt Reefs**

**(15-096, 15-099a,  
b, c and d, 16-**

**MNP-15-1046**

**013 a, b and c)**

15° 54.726' S	145° 48.948' E	-15.91210000	145.81580000
15° 54.726' S	145° 50.055' E	-15.91210000	145.83425000
16° 04.800' S	145° 53.299' E	-16.08000000	145.88831667
16° 04.800' S	145° 52.800' E	-16.08000000	145.88000000
16° 04.800' S	145° 52.200' E	-16.08000000	145.87000000
16° 03.600' S	145° 51.001' E	-16.06000000	145.85001667
16° 03.600' S	145° 46.974' E	-16.06000000	145.78290000
15° 56.803' S	145° 46.974' E	-15.94671667	145.78290000

**Daintree coastal  
area, Low Isles**

**Reef (16-028)**

**and lagoonal**

**areas**

**MNP-15-1047**

15° 55.200' S	145° 36.600' E	-15.92000000	145.61000000
16° 09.990' S	145° 36.600' E	-16.16650000	145.61000000
16° 18.138' S	145° 38.469' E	-16.30230000	145.64115000
16° 21.239' S	145° 40.041' E	-16.35398333	145.66735000
16° 27.195' S	145° 40.041' E	-16.45325000	145.66735000
16° 27.201' S	145° 34.749' E	-16.45335000	145.57915000

16° 24.855' S	145° 32.538' E	-16.41425000	145.54230000
16° 20.350' S	145° 32.538' E	-16.33916667	145.54230000
16° 20.350' S	145° 33.569' E	-16.33916667	145.55948333
16° 16.738' S	145° 33.569' E	-16.27896667	145.55948333
16° 16.738' S	145° 34.071' E	-16.27896667	145.56785000
16° 15.987' S	145° 34.071' E	-16.26645000	145.56785000
16° 15.987' S	145° 33.569' E	-16.26645000	145.55948333
16° 04.853' S	145° 33.569' E	-16.08088333	145.55948333
16° 04.853' S	145° 28.860' E	-16.08088333	145.48100000
16° 04.853' S	145° 28.500' E	-16.08088333	145.47500000
15° 56.465' S	145° 24.276' E	-15.94108333	145.40460000
15° 55.201' S	145° 24.276' E	-15.92001667	145.40460000
15° 55.201' S	145° 30.000' E	-15.92001667	145.50000000

**Opal Reef (16-025) and Tongue Reef (16-026)**

<b>MNP-16-1048</b>			
16° 12.939' S	145° 51.033' E	-16.21565000	145.85055000
16° 12.939' S	145° 55.564' E	-16.21565000	145.92606667
16° 18.613' S	145° 55.564' E	-16.31021667	145.92606667
16° 18.613' S	145° 51.132' E	-16.31021667	145.85220000
16° 16.760' S	145° 48.332' E	-16.27933333	145.80553333

**Offshore Grafton Passage**

<b>MNP-16-1049</b>			
16° 16.652' S	146° 13.125' E	-16.27753333	146.21875000
16° 16.652' S	146° 30.555' E	-16.27753333	146.50925000
16° 37.516' S	146° 38.917' E	-16.62526667	146.64861667
16° 37.516' S	146° 21.175' E	-16.62526667	146.35291667
16° 37.516' S	146° 15.540' E	-16.62526667	146.25900000
16° 30.982' S	146° 10.456' E	-16.51636667	146.17426667
16° 22.625' S	146° 10.456' E	-16.37708333	146.17426667
16° 22.625' S	146° 13.125' E	-16.37708333	146.21875000

**Norman Reef (16-030), Saxon Reef (16-032), Hastings Reef (16-057) and Michaelmas Reef (16-060)**

<b>MNP-16-1050</b>			
16° 24.000' S	145° 57.900' E	-16.40000000	145.96500000
16° 24.000' S	146° 01.259' E	-16.40000000	146.02098333
16° 31.064' S	146° 04.590' E	-16.51773333	146.07650000
16° 34.604' S	146° 04.590' E	-16.57673333	146.07650000
16° 37.425' S	146° 00.790' E	-16.62375000	146.01316667
16° 37.425' S	145° 57.819' E	-16.62375000	145.96365000
16° 36.592' S	145° 56.981' E	-16.60986667	145.94968333
16° 35.562' S	145° 56.981' E	-16.59270000	145.94968333
16° 34.865' S	145° 57.906' E	-16.58108333	145.96510000
16° 32.066' S	145° 57.900' E	-16.53443333	145.96500000

**Offshore Island Point**

<b>MNP-16-1051</b>			
16° 27.498' S	145° 28.707' E	-16.45830000	145.47845000
16° 27.498' S	145° 31.923' E	-16.45830000	145.53205000
16° 30.001' S	145° 31.920' E	-16.50001667	145.53200000
16° 30.006' S	145° 28.707' E	-16.50010000	145.47845000

**Unity Reef (16-045) and adjacent coastline**

<b>MNP-16-1052</b>			
16° 33.960' S	145° 33.722' E	-16.56600000	145.56203333
16° 38.225' S	145° 37.054' E	-16.63708333	145.61756667
16° 39.570' S	145° 37.054' E	-16.65950000	145.61756667
16° 39.570' S	145° 34.332' E	-16.65950000	145.57220000
16° 39.482' S	145° 34.319' E	-16.65803333	145.57198333
16° 39.292' S	145° 34.267' E	-16.65486667	145.57111667
16° 39.204' S	145° 34.215' E	-16.65340000	145.57025000
16° 39.132' S	145° 34.189' E	-16.65220000	145.56981667
16° 39.030' S	145° 34.143' E	-16.65050000	145.56905000
16° 38.883' S	145° 34.096' E	-16.64805000	145.56826667
16° 38.719' S	145° 34.083' E	-16.64531667	145.56805000
16° 38.721' S	145° 33.969' E	-16.64535000	145.56615000
16° 36.870' S	145° 32.204' E	-16.61450000	145.53673333
16° 34.659' S	145° 32.204' E	-16.57765000	145.53673333

**Upolu Reef (16-046)**

<b>MNP-16-1053</b>			
16° 39.843' S	145° 55.362' E	-16.66405000	145.92270000
16° 39.870' S	145° 56.877' E	-16.66450000	145.94795000
16° 40.619' S	145° 57.173' E	-16.67698333	145.95288333
16° 41.269' S	145° 56.906' E	-16.68781667	145.94843333
16° 41.265' S	145° 56.283' E	-16.68775000	145.93805000
16° 40.260' S	145° 55.356' E	-16.67100000	145.92260000

**Euston Reef (16-063)**

<b>MNP-16-1054</b>			
16° 40.364' S	146° 14.197' E	-16.67273333	146.23661667
16° 40.364' S	146° 15.841' E	-16.67273333	146.26401667
16° 42.063' S	146° 15.841' E	-16.70105000	146.26401667
16° 42.063' S	146° 14.197' E	-16.70105000	146.23661667

**Green Island Reef (16-049)**

<b>MNP-16-1055</b>			
16° 43.514' S	145° 56.238' E	-16.72523333	145.93730000
16° 43.514' S	145° 57.201' E	-16.72523333	145.95335000
16° 44.400' S	146° 00.000' E	-16.74000000	146.00000000
16° 46.809' S	146° 02.400' E	-16.78015000	146.04000000
16° 48.608' S	146° 02.400' E	-16.81013333	146.04000000
16° 48.608' S	146° 00.000' E	-16.81013333	146.00000000
16° 46.566' S	145° 57.660' E	-16.77610000	145.96100000
16° 44.409' S	145° 56.238' E	-16.74015000	145.93730000

**Scott Reef (17-004)/Flora Pass: including lagoonal and offshore areas**

<b>MNP-16-1056</b>			
16° 46.274' S	146° 22.159' E	-16.77123333	146.36931667
16° 46.274' S	146° 42.438' E	-16.77123333	146.70730000
17° 00.000' S	146° 47.967' E	-17.00000000	146.79945000
17° 00.000' S	146° 38.015' E	-17.00000000	146.63358333
17° 00.000' S	146° 32.557' E	-17.00000000	146.54261667
16° 59.023' S	146° 32.557' E	-16.98371667	146.54261667
16° 59.023' S	146° 31.379' E	-16.98371667	146.52298333
16° 55.104' S	146° 28.024' E	-16.91840000	146.46706667
16° 55.104' S	146° 25.149' E	-16.91840000	146.41915000

17° 09.606' S	146° 16.059' E	-17.16010000	146.26765000
17° 09.606' S	146° 05.415' E	-17.16010000	146.09025000
17° 01.963' S	146° 00.745' E	-17.03271667	146.01241667
16° 58.077' S	146° 00.745' E	-16.96795000	146.01241667
16° 58.077' S	146° 06.615' E	-16.96795000	146.11025000
17° 02.400' S	146° 06.615' E	-17.04000000	146.11025000
17° 02.400' S	146° 10.200' E	-17.04000000	146.17000000
17° 03.594' S	146° 14.598' E	-17.05990000	146.24330000
17° 03.594' S	146° 15.549' E	-17.05990000	146.25915000
16° 52.487' S	146° 22.159' E	-16.87478333	146.36931667

**Milln Reef (16-067)**

<b>MNP-16-1057</b>			
16° 46.498' S	146° 15.486' E	-16.77496667	146.25810000
16° 46.498' S	146° 17.235' E	-16.77496667	146.28725000
16° 48.249' S	146° 17.235' E	-16.80415000	146.28725000
16° 48.249' S	146° 15.486' E	-16.80415000	146.25810000

**Moore Reef (16-071)**

<b>MNP-16-1058</b>			
16° 50.316' S	146° 12.990' E	-16.83860000	146.21650000
16° 50.316' S	146° 14.807' E	-16.83860000	146.24678333
16° 52.047' S	146° 16.344' E	-16.86745000	146.27240000
16° 53.996' S	146° 16.344' E	-16.89993333	146.27240000
16° 53.996' S	146° 11.013' E	-16.89993333	146.18355000
16° 53.996' S	146° 10.649' E	-16.89993333	146.17748333
16° 53.241' S	146° 09.887' E	-16.88735000	146.16478333
16° 52.248' S	146° 09.887' E	-16.87080000	146.16478333

**MNP-16-1059 King Beach**

16° 54.275' S	145° 57.446' E	-16.90458333	145.95743333
16° 56.676' S	145° 56.151' E	-16.94460000	145.93585000

**Briggs Reef (16-074)**

<b>MNP-16-1060</b>			
16° 55.799' S	146° 11.556' E	-16.92998333	146.19260000
16° 55.799' S	146° 13.409' E	-16.92998333	146.22348333
16° 56.150' S	146° 13.409' E	-16.93583333	146.22348333
16° 56.773' S	146° 13.409' E	-16.94621667	146.22348333
16° 56.773' S	146° 11.555' E	-16.94621667	146.19258333

**Hedley Reef (17-014), Stevens Reef (17-005) and surrounds**

<b>MNP-16-1061</b>			
17° 00.000' S	146° 26.858' E	-17.00000000	146.44763333
17° 00.000' S	146° 29.098' E	-17.00000000	146.48496667
17° 05.400' S	146° 29.098' E	-17.09000000	146.48496667
17° 05.400' S	146° 26.398' E	-17.09000000	146.43996667
17° 09.586' S	146° 26.398' E	-17.15976667	146.43996667
17° 09.586' S	146° 33.442' E	-17.15976667	146.55736667
17° 17.123' S	146° 33.442' E	-17.28538333	146.55736667
17° 17.123' S	146° 30.321' E	-17.28538333	146.50535000
17° 16.059' S	146° 28.770' E	-17.26765000	146.47950000
17° 16.059' S	146° 27.338' E	-17.26765000	146.45563333
17° 15.577' S	146° 26.186' E	-17.25961667	146.43643333
17° 15.577' S	146° 23.395' E	-17.25961667	146.38991667
17° 04.086' S	146° 23.395' E	-17.06810000	146.38991667



**Palmer Point  
(High Island and  
Tobias Spit)**

<b>MNP-17-1062</b>			
17° 07.116' S	145° 55.942' E	-17.11860000	145.93236667
17° 07.116' S	145° 58.480' E	-17.11860000	145.97466667
17° 07.854' S	145° 59.180' E	-17.13090000	145.98633333
17° 10.107' S	145° 59.180' E	-17.16845000	145.98633333
17° 10.107' S	145° 57.812' E	-17.16845000	145.96353333

**Mabel and  
Normandy  
Islands**

<b>MNP-17-1063</b>			
17° 12.143' S	146° 04.573' E	-17.20238333	146.07621667
17° 12.158' S	146° 04.617' E	-17.20263333	146.07695000
17° 12.338' S	146° 04.793' E	-17.20563333	146.07988333
17° 12.587' S	146° 04.793' E	-17.20978333	146.07988333
17° 12.887' S	146° 04.925' E	-17.21478333	146.08208333
17° 12.946' S	146° 04.925' E	-17.21576667	146.08208333
17° 13.013' S	146° 04.872' E	-17.21688333	146.08120000
17° 13.013' S	146° 04.786' E	-17.21688333	146.07976667
17° 12.847' S	146° 04.568' E	-17.21411667	146.07613333
17° 12.563' S	146° 04.370' E	-17.20938333	146.07283333
17° 12.300' S	146° 04.370' E	-17.20500000	146.07283333
17° 12.207' S	146° 04.464' E	-17.20345000	146.07440000

**Lagoonal area  
offshore Russell  
Island**

<b>MNP-17-1064</b>			
17° 12.818' S	146° 16.750' E	-17.21363333	146.27916667
17° 24.001' S	146° 16.750' E	-17.40001667	146.27916667
17° 24.001' S	146° 13.243' E	-17.40001667	146.22071667
17° 17.200' S	146° 07.664' E	-17.28666667	146.12773333
17° 12.825' S	146° 07.664' E	-17.21375000	146.12773333
17° 12.825' S	146° 16.048' E	-17.21375000	146.26746667

<b>MNP-17-1066</b>	<b>Ella Bay</b>		
17° 24.057' S	146° 04.302' E	-17.40095000	146.07170000
17° 24.057' S	146° 05.484' E	-17.40095000	146.09140000
17° 25.117' S	146° 05.484' E	-17.41861667	146.09140000
17° 25.117' S	146° 04.167' E	-17.41861667	146.06945000

**Feather Reef (17-  
034) and Nathan  
Reef (17-035)**

<b>MNP-17-1067</b>			
17° 28.922' S	146° 20.439' E	-17.48203333	146.34065000
17° 30.589' S	146° 24.086' E	-17.50981667	146.40143333
17° 30.589' S	146° 29.356' E	-17.50981667	146.48926667
17° 29.141' S	146° 29.356' E	-17.48568333	146.48926667
17° 29.141' S	146° 34.368' E	-17.48568333	146.57280000
17° 33.571' S	146° 34.368' E	-17.55951667	146.57280000
17° 33.571' S	146° 21.635' E	-17.55951667	146.36058333
17° 32.382' S	146° 20.439' E	-17.53970000	146.34065000

**Offshore**

<b>MNP-17-1068</b>	<b>Hinchinbrook</b>		
17° 29.910' S	146° 52.359' E	-17.49850000	146.87265000
17° 29.910' S	147° 00.064' E	-17.49850000	147.00106667
17° 44.727' S	147° 24.015' E	-17.74545000	147.40025000
17° 59.495' S	147° 07.653' E	-17.99158333	147.12755000

17° 48.470' S	146° 59.913' E	-17.80783333	146.99855000
<b>South Barnard Islands</b>			
<b>MNP-17-1069</b>			
17° 43.788' S	146° 07.234' E	-17.72980000	146.12056667
17° 43.788' S	146° 10.575' E	-17.72980000	146.17625000
17° 44.458' S	146° 10.575' E	-17.74096667	146.17625000
17° 46.080' S	146° 10.185' E	-17.76800000	146.16975000
17° 46.080' S	146° 09.519' E	-17.76800000	146.15865000
17° 44.646' S	146° 08.265' E	-17.74410000	146.13775000
17° 44.643' S	146° 07.234' E	-17.74405000	146.12056667
<b>South Kurrimine Beach</b>			
<b>MNP-17-1070</b>			
17° 47.642' S	146° 05.674' E	-17.79403333	146.09456667
17° 47.642' S	146° 07.290' E	-17.79403333	146.12150000
17° 48.987' S	146° 07.290' E	-17.81645000	146.12150000
17° 48.987' S	146° 06.375' E	-17.81645000	146.10625000
17° 48.378' S	146° 05.674' E	-17.80630000	146.09456667
<b>Beaver Reef (17-051) and Taylor Reef (17-064)</b>			
<b>MNP-17-1071</b>			
17° 48.000' S	146° 32.520' E	-17.80000000	146.54200000
17° 48.000' S	146° 35.280' E	-17.80000000	146.58800000
17° 49.380' S	146° 36.000' E	-17.82300000	146.60000000
17° 52.200' S	146° 32.460' E	-17.87000000	146.54100000
17° 52.200' S	146° 27.420' E	-17.87000000	146.45700000
17° 49.320' S	146° 26.040' E	-17.82200000	146.43400000
17° 49.320' S	146° 31.020' E	-17.82200000	146.51700000
<b>MNP-17-1072 Bandjin Reefs</b>			
17° 54.470' S	146° 46.217' E	-17.90783333	146.77028333
17° 54.470' S	146° 48.257' E	-17.90783333	146.80428333
17° 56.946' S	146° 50.461' E	-17.94910000	146.84101667
17° 56.946' S	146° 53.697' E	-17.94910000	146.89495000
17° 59.495' S	146° 56.733' E	-17.99158333	146.94555000
18° 16.489' S	146° 56.733' E	-18.27481667	146.94555000
18° 16.489' S	147° 00.870' E	-18.27481667	147.01450000
18° 29.187' S	147° 00.870' E	-18.48645000	147.01450000
18° 29.187' S	146° 59.187' E	-18.48645000	146.98645000
18° 27.869' S	146° 58.261' E	-18.46448333	146.97101667
18° 23.103' S	146° 58.261' E	-18.38505000	146.97101667
18° 23.103' S	146° 54.001' E	-18.38505000	146.90001667
18° 17.400' S	146° 54.000' E	-18.29000000	146.90000000
18° 17.387' S	146° 53.988' E	-18.28978333	146.89980000
18° 16.800' S	146° 53.400' E	-18.28000000	146.89000000
18° 16.800' S	146° 53.067' E	-18.28000000	146.88445000
18° 08.700' S	146° 53.067' E	-18.14500000	146.88445000
18° 08.700' S	146° 43.202' E	-18.14500000	146.72003333
17° 58.113' S	146° 43.202' E	-17.96855000	146.72003333
17° 58.113' S	146° 46.217' E	-17.96855000	146.77028333
<b>MNP-17-1073 Dunk Island</b>			
17° 58.163' S	146° 10.677' E	-17.96938333	146.17795000
17° 59.231' S	146° 10.677' E	-17.98718333	146.17795000
17° 59.231' S	146° 08.805' E	-17.98718333	146.14675000
17° 56.874' S	146° 08.805' E	-17.94790000	146.14675000

**Tam O'Shanter  
Point**

**MNP-17-1074**

17° 58.687' S	146° 06.081' E	-17.97811667	146.10135000
17° 58.687' S	146° 06.585' E	-17.97811667	146.10975000
17° 59.468' S	146° 06.585' E	-17.99113333	146.10975000
17° 59.468' S	146° 04.681' E	-17.99113333	146.07801667

**Family Islands**

**MNP-17-1075**

17° 59.534' S	146° 11.475' E	-17.99223333	146.19125000
17° 59.534' S	146° 11.964' E	-17.99223333	146.19940000
17° 59.534' S	146° 13.299' E	-17.99223333	146.22165000
18° 03.960' S	146° 13.299' E	-18.06600000	146.22165000
18° 03.960' S	146° 11.475' E	-18.06600000	146.19125000
18° 03.425' S	146° 11.475' E	-18.05708333	146.19125000

**Townsville-  
Bowen Outer  
Shelf: including  
Lynchs (18-091),  
Saville-Kent (18-  
099), Judith  
Wright (18-101),  
the Anzac Reefs,  
Kangaroo (19-  
063), Tiger (19-  
054) and  
Leopard Reefs  
(19-050, 19-051),  
and areas  
adjacent to the  
boundary of the**

**MNP-18-1076**

**Marine Park**

18° 07.309' S	148° 00.839' E	-18.12181667	148.01398333
19° 10.398' S	149° 45.625' E	-19.17330000	149.76041667
19° 14.105' S	149° 26.709' E	-19.23508333	149.44515000
19° 15.267' S	149° 11.085' E	-19.25445000	149.18475000
19° 15.267' S	149° 01.518' E	-19.25445000	149.02530000
19° 22.839' S	148° 57.324' E	-19.38065000	148.95540000
19° 22.839' S	148° 53.808' E	-19.38065000	148.89680000
19° 19.200' S	148° 50.400' E	-19.32000000	148.84000000
19° 16.197' S	148° 50.400' E	-19.26995000	148.84000000
19° 16.197' S	148° 44.424' E	-19.26995000	148.74040000
19° 19.755' S	148° 40.893' E	-19.32925000	148.68155000
19° 21.579' S	148° 37.212' E	-19.35965000	148.62020000
19° 15.528' S	148° 29.114' E	-19.25880000	148.48523333
19° 15.500' S	148° 29.147' E	-19.25833333	148.48578333
18° 55.413' S	148° 38.616' E	-18.92355000	148.64360000
19° 06.000' S	149° 07.200' E	-19.10000000	149.12000000
19° 00.000' S	149° 10.800' E	-19.00000000	149.18000000
18° 45.600' S	148° 37.200' E	-18.76000000	148.62000000
18° 32.815' S	148° 12.921' E	-18.54691667	148.21535000
18° 41.949' S	148° 05.463' E	-18.69915000	148.09105000
18° 43.551' S	147° 54.843' E	-18.72585000	147.91405000
18° 50.409' S	147° 54.843' E	-18.84015000	147.91405000
18° 50.409' S	147° 59.829' E	-18.84015000	147.99715000

18° 57.600' S	147° 59.829' E	-18.96000000	147.99715000
18° 57.600' S	147° 57.600' E	-18.96000000	147.96000000
18° 53.115' S	147° 54.849' E	-18.88525000	147.91415000
18° 53.115' S	147° 50.836' E	-18.88525000	147.84726667
18° 49.437' S	147° 50.836' E	-18.82395000	147.84726667
18° 49.437' S	147° 43.414' E	-18.82395000	147.72356667
18° 49.437' S	147° 42.239' E	-18.82395000	147.70398333
18° 45.419' S	147° 37.869' E	-18.75698333	147.63115000
18° 42.000' S	147° 40.800' E	-18.70000000	147.68000000
18° 40.880' S	147° 47.274' E	-18.68133333	147.78790000
18° 24.960' S	147° 47.274' E	-18.41600000	147.78790000

**Brook  
Islands/Shepherds Bay**

<b>MNP-18-1077</b>			
18° 07.620' S	146° 22.602' E	-18.12700000	146.37670000
18° 12.958' S	146° 22.602' E	-18.21596667	146.37670000
18° 12.958' S	146° 19.860' E	-18.21596667	146.33100000
18° 12.958' S	146° 18.123' E	-18.21596667	146.30205000
18° 14.132' S	146° 18.125' E	-18.23553333	146.30208333
18° 11.778' S	146° 13.837' E	-18.19630000	146.23061667
18° 07.622' S	146° 13.837' E	-18.12703333	146.23061667

**Myrmidon Reef**

<b>MNP-18-1078</b>	<b>(18-034)</b>		
18° 14.544' S	147° 21.767' E	-18.24240000	147.36278333
18° 14.544' S	147° 24.348' E	-18.24240000	147.40580000
18° 17.349' S	147° 24.348' E	-18.28915000	147.40580000
18° 17.349' S	147° 21.767' E	-18.28915000	147.36278333

**Ramsay Bay and  
Agnes Island**

<b>MNP-18-1079</b>			
18° 14.790' S	146° 17.961' E	-18.24650000	146.29935000
18° 14.790' S	146° 19.455' E	-18.24650000	146.32425000
18° 17.281' S	146° 18.042' E	-18.28801667	146.30070000
18° 19.050' S	146° 17.585' E	-18.31750000	146.29308333
18° 20.580' S	146° 18.663' E	-18.34300000	146.31105000
18° 20.580' S	146° 22.084' E	-18.34300000	146.36806667
18° 23.163' S	146° 22.084' E	-18.38605000	146.36806667
18° 23.148' S	146° 20.117' E	-18.38580000	146.33528333

**Townsville mid-shelf: Faraday Reef (18-041) to Saucer Reef (18-084)**

<b>MNP-18-1081</b>			
18° 23.299' S	147° 20.097' E	-18.38831667	147.33495000
18° 23.299' S	147° 38.297' E	-18.38831667	147.63828333
18° 40.863' S	147° 38.297' E	-18.68105000	147.63828333
18° 40.863' S	147° 29.600' E	-18.68105000	147.49333333
18° 34.961' S	147° 29.600' E	-18.58268333	147.49333333
18° 34.961' S	147° 22.329' E	-18.58268333	147.37215000
18° 32.472' S	147° 22.331' E	-18.54120000	147.37218333
18° 29.119' S	147° 21.000' E	-18.48531667	147.35000000
18° 29.119' S	147° 18.003' E	-18.48531667	147.30005000

**South-east of  
Great Palm**

<b>MNP-18-1082</b>	<b>Island</b>		
18° 31.998' S	146° 30.526' E	-18.53330000	146.50876667

18° 31.998' S	146° 33.066' E	-18.53330000	146.55110000
18° 49.781' S	146° 59.704' E	-18.82968333	146.99506667
18° 57.024' S	146° 59.704' E	-18.95040000	146.99506667
18° 57.024' S	146° 43.609' E	-18.95040000	146.72681667
18° 54.100' S	146° 43.609' E	-18.90166667	146.72681667
18° 54.100' S	146° 33.599' E	-18.90166667	146.55998333
18° 51.602' S	146° 33.599' E	-18.86003333	146.55998333
18° 49.800' S	146° 33.599' E	-18.83000000	146.55998333
18° 47.499' S	146° 33.599' E	-18.79165000	146.55998333
18° 47.499' S	146° 41.992' E	-18.79165000	146.69986667
18° 47.856' S	146° 41.992' E	-18.79760000	146.69986667
18° 47.856' S	146° 43.554' E	-18.79760000	146.72590000
18° 44.809' S	146° 43.554' E	-18.74681667	146.72590000
18° 40.320' S	146° 35.280' E	-18.67200000	146.58800000
18° 39.951' S	146° 35.280' E	-18.66585000	146.58800000
18° 33.260' S	146° 30.526' E	-18.55433333	146.50876667

**Orpheus Island**

**Reef east (18-049d)**

<b>MNP-18-1083</b>			
18° 36.002' S	146° 30.243' E	-18.60003333	146.50405000
18° 36.002' S	146° 30.600' E	-18.60003333	146.51000000
18° 37.140' S	146° 30.840' E	-18.61900000	146.51400000
18° 38.821' S	146° 30.840' E	-18.64701667	146.51400000
18° 40.380' S	146° 29.580' E	-18.67300000	146.49300000
18° 40.380' S	146° 29.490' E	-18.67300000	146.49150000
18° 40.380' S	146° 29.375' E	-18.67300000	146.48958333
18° 40.032' S	146° 29.375' E	-18.66720000	146.48958333

**Helix Reef (18-076)**

<b>MNP-18-1084</b>			
18° 36.651' S	147° 16.392' E	-18.61085000	147.27320000
18° 36.651' S	147° 18.919' E	-18.61085000	147.31531667
18° 38.760' S	147° 18.919' E	-18.64600000	147.31531667
18° 38.760' S	147° 16.392' E	-18.64600000	147.27320000

**Curacoa (Noogoo) Island**

**Reef (18-052)**

<b>MNP-18-1085</b>			
18° 40.881' S	146° 33.104' E	-18.68135000	146.55173333
18° 39.567' S	146° 32.326' E	-18.65945000	146.53876667

**Halifax**

**Bay/Pandora**

**Reef (18-051)**

<b>MNP-18-1086</b>			
18° 44.972' S	146° 18.344' E	-18.74953333	146.30573333
18° 44.972' S	146° 26.808' E	-18.74953333	146.44680000
18° 51.114' S	146° 26.808' E	-18.85190000	146.44680000
18° 51.114' S	146° 28.381' E	-18.85190000	146.47301667
18° 55.688' S	146° 28.381' E	-18.92813333	146.47301667
18° 55.688' S	146° 21.753' E	-18.92813333	146.36255000
18° 52.458' S	146° 21.753' E	-18.87430000	146.36255000
18° 52.458' S	146° 17.077' E	-18.87430000	146.28461667
18° 47.383' S	146° 16.835' E	-18.78971667	146.28058333
18° 47.383' S	146° 18.336' E	-18.78971667	146.30560000

**Wheeler Reef (18-**

**095)**

<b>MNP-18-1087</b>			
18° 46.200' S	147° 30.000' E	-18.77000000	147.50000000
18° 46.200' S	147° 35.587' E	-18.77000000	147.59311667

18° 49.606' S	147° 35.587' E	-18.82676667	147.59311667
18° 49.606' S	147° 30.000' E	-18.82676667	147.50000000

**Lion Reef (18-119) and Jaguar Reef (18-120)**

<b>MNP-18-1088</b>			
18° 49.648' S	148° 22.220' E	-18.82746667	148.37033333
18° 52.738' S	148° 31.008' E	-18.87896667	148.51680000
19° 00.975' S	148° 27.409' E	-19.01625000	148.45681667
18° 59.231' S	148° 21.324' E	-18.98718333	148.35540000

**Magnetic Island - Five Beach Bay**

<b>MNP-19-1089</b>			
19° 06.931' S	146° 48.139' E	-19.11551667	146.80231667
19° 06.296' S	146° 49.934' E	-19.10493333	146.83223333

**Magnetic Island - Balding Bay and Radical Bay**

<b>MNP-19-1090</b>			
19° 06.450' S	146° 52.171' E	-19.10750000	146.86951667
19° 06.621' S	146° 52.618' E	-19.11035000	146.87696667

**Magnetic Island - Gowrie Bay**

<b>MNP-19-1091</b>			
19° 06.856' S	146° 53.011' E	-19.11426667	146.88351667
19° 07.236' S	146° 53.011' E	-19.12060000	146.88351667

**Magnetic Island - Florence Bay**

<b>MNP-19-1092</b>			
19° 07.291' S	146° 52.986' E	-19.12151667	146.88310000
19° 07.573' S	146° 53.014' E	-19.12621667	146.88356667

**Magnetic Island - Alma Bay**

<b>MNP-19-1093</b>			
19° 08.763' S	146° 52.423' E	-19.14605000	146.87371667
19° 09.009' S	146° 52.313' E	-19.15015000	146.87188333

**Magnetic Island - Geoffrey Bay**

<b>MNP-19-1094</b>			
19° 09.271' S	146° 52.267' E	-19.15451667	146.87111667
19° 09.577' S	146° 51.489' E	-19.15961667	146.85815000

**Stanley Reef (19-045) and Wilson Shoal (19-022)**

<b>MNP-19-1095</b>			
19° 12.000' S	147° 47.965' E	-19.20000000	147.79941667
19° 12.000' S	148° 04.800' E	-19.20000000	148.08000000
19° 15.000' S	148° 04.800' E	-19.25000000	148.08000000
19° 15.000' S	148° 09.021' E	-19.25000000	148.15035000
19° 22.137' S	148° 09.021' E	-19.36895000	148.15035000
19° 18.999' S	148° 01.989' E	-19.31665000	148.03315000
19° 18.999' S	147° 58.755' E	-19.31665000	147.97925000
19° 26.376' S	147° 58.755' E	-19.43960000	147.97925000
19° 23.237' S	147° 52.477' E	-19.38728333	147.87461667
19° 22.260' S	147° 52.477' E	-19.37100000	147.87461667

19° 20.718' S	147° 52.477' E	-19.34530000	147.87461667
19° 20.718' S	147° 50.700' E	-19.34530000	147.84500000
19° 20.718' S	147° 47.965' E	-19.34530000	147.79941667

**Yongala**

**MNP-19-1096**

**Shipwreck**

19° 12.896' S	147° 30.663' E	-19.21493333	147.51105000
19° 12.896' S	147° 42.383' E	-19.21493333	147.70638333
19° 27.051' S	147° 42.383' E	-19.45085000	147.70638333
19° 27.051' S	147° 37.975' E	-19.45085000	147.63291667
19° 19.341' S	147° 37.975' E	-19.32235000	147.63291667
19° 19.341' S	147° 30.663' E	-19.32235000	147.51105000

**Bowling Green**

**MNP-19-1097**

**Bay**

19° 16.001' S	147° 15.684' E	-19.26668333	147.26140000
19° 16.001' S	147° 22.679' E	-19.26668333	147.37798333
19° 18.000' S	147° 22.679' E	-19.30000000	147.37798333
19° 19.176' S	147° 22.679' E	-19.31960000	147.37798333
19° 19.176' S	147° 23.597' E	-19.31960000	147.39328333
19° 22.611' S	147° 23.597' E	-19.37685000	147.39328333
19° 22.611' S	147° 26.880' E	-19.37685000	147.44800000
19° 25.119' S	147° 23.581' E	-19.41865000	147.39301667
19° 23.282' S	147° 23.581' E	-19.38803333	147.39301667
19° 23.282' S	147° 15.684' E	-19.38803333	147.26140000

**Rafter Reef (19-146) to Bax Reef (20-138) mid-shelf transect**

**MNP-19-1098**

19° 18.539' S	149° 59.364' E	-19.30898333	149.98940000
19° 27.995' S	150° 15.388' E	-19.46658333	150.25646667
19° 43.203' S	150° 04.204' E	-19.72005000	150.07006667
19° 43.215' S	150° 04.224' E	-19.72025000	150.07040000
19° 45.435' S	150° 02.565' E	-19.75725000	150.04275000
19° 49.534' S	150° 02.559' E	-19.82556667	150.04265000
19° 52.572' S	150° 07.007' E	-19.87620000	150.11678333
19° 52.572' S	149° 59.952' E	-19.87620000	149.99920000
20° 06.602' S	150° 07.800' E	-20.11003333	150.13000000
20° 10.088' S	150° 11.286' E	-20.16813333	150.18810000
20° 23.420' S	150° 18.003' E	-20.39033333	150.30005000
20° 25.201' S	150° 18.006' E	-20.42001667	150.30010000
20° 25.200' S	150° 07.200' E	-20.42000000	150.12000000
20° 25.200' S	150° 01.391' E	-20.42000000	150.02318333
20° 15.528' S	150° 01.391' E	-20.25880000	150.02318333
20° 15.528' S	149° 51.774' E	-20.25880000	149.86290000
20° 06.431' S	149° 51.774' E	-20.10718333	149.86290000
19° 42.101' S	149° 51.774' E	-19.70168333	149.86290000
19° 37.200' S	149° 45.000' E	-19.62000000	149.75000000
19° 39.600' S	149° 42.000' E	-19.66000000	149.70000000
19° 39.000' S	149° 37.800' E	-19.65000000	149.63000000
19° 37.800' S	149° 36.600' E	-19.63000000	149.61000000
19° 35.400' S	149° 36.600' E	-19.59000000	149.61000000
19° 24.690' S	149° 47.310' E	-19.41150000	149.78850000
19° 27.545' S	149° 52.866' E	-19.45908333	149.88110000

**Fairey Reef (19-109a, b and c) and Seagull Reef (19-107)**

**MNP-19-1101**

19° 29.400' S	148° 58.200' E	-19.49000000	148.97000000
19° 31.800' S	149° 00.600' E	-19.53000000	149.01000000
19° 34.200' S	149° 00.600' E	-19.57000000	149.01000000
19° 34.200' S	148° 57.600' E	-19.57000000	148.96000000
19° 35.271' S	148° 57.600' E	-19.58785000	148.96000000
19° 35.271' S	148° 55.200' E	-19.58785000	148.92000000
19° 33.000' S	148° 55.200' E	-19.55000000	148.92000000
19° 30.600' S	148° 55.200' E	-19.51000000	148.92000000

**Lagoon area north-east of Bowen**

**MNP-19-1102**

19° 37.210' S	148° 30.075' E	-19.62016667	148.50125000
19° 37.210' S	148° 45.018' E	-19.62016667	148.75030000
19° 40.485' S	148° 51.450' E	-19.67475000	148.85750000
19° 49.766' S	148° 51.450' E	-19.82943333	148.85750000
19° 49.766' S	148° 57.600' E	-19.82943333	148.96000000
19° 54.947' S	148° 57.600' E	-19.91578333	148.96000000
19° 54.947' S	148° 43.812' E	-19.91578333	148.73020000
20° 03.246' S	148° 43.812' E	-20.05410000	148.73020000
20° 03.246' S	148° 37.497' E	-20.05410000	148.62495000
20° 00.000' S	148° 34.200' E	-20.00000000	148.57000000
19° 59.431' S	148° 34.200' E	-19.99051667	148.57000000
19° 58.800' S	148° 33.656' E	-19.98000000	148.56093333
19° 58.800' S	148° 32.998' E	-19.98000000	148.54996667
19° 56.847' S	148° 32.998' E	-19.94745000	148.54996667
19° 55.491' S	148° 30.075' E	-19.92485000	148.50125000

**Offshore Mackay - adjacent to the boundary of the**

**MNP-19-1103**

19° 41.441' S	150° 38.299' E	-19.69068333	150.63831667
19° 55.743' S	151° 02.827' E	-19.92905000	151.04711667
20° 07.172' S	150° 50.394' E	-20.11953333	150.83990000
20° 17.001' S	150° 39.701' E	-20.28335000	150.66168333
20° 13.200' S	150° 31.200' E	-20.22000000	150.52000000
19° 55.987' S	150° 27.909' E	-19.93311667	150.46515000

**Hardy Reef (19-135)**

**MNP-19-1104**

19° 42.213' S	149° 11.985' E	-19.70355000	149.19975000
19° 44.880' S	149° 15.006' E	-19.74800000	149.25010000
19° 44.880' S	149° 15.848' E	-19.74800000	149.26413333
19° 46.202' S	149° 17.047' E	-19.77003333	149.28411667
19° 48.240' S	149° 16.927' E	-19.80400000	149.28211667
19° 48.717' S	149° 16.326' E	-19.81195000	149.27210000
19° 48.717' S	149° 15.480' E	-19.81195000	149.25800000
19° 48.714' S	149° 15.160' E	-19.81190000	149.25266667
19° 48.401' S	149° 15.136' E	-19.80668333	149.25226667
19° 47.949' S	149° 14.997' E	-19.79915000	149.24995000
19° 47.622' S	149° 14.789' E	-19.79370000	149.24648333
19° 47.203' S	149° 14.720' E	-19.78671667	149.24533333



19° 46.906' S	149° 14.529' E	-19.78176667	149.24215000
19° 46.646' S	149° 14.147' E	-19.77743333	149.23578333
19° 46.494' S	149° 13.738' E	-19.77490000	149.22896667
19° 45.938' S	149° 12.783' E	-19.76563333	149.21305000
19° 45.886' S	149° 11.643' E	-19.76476667	149.19405000
19° 45.760' S	149° 11.244' E	-19.76266667	149.18740000
19° 45.481' S	149° 10.890' E	-19.75801667	149.18150000
19° 45.083' S	149° 10.768' E	-19.75138333	149.17946667
19° 44.714' S	149° 10.780' E	-19.74523333	149.17966667
19° 44.618' S	149° 10.716' E	-19.74363333	149.17860000
19° 44.443' S	149° 10.713' E	-19.74071667	149.17855000
19° 44.361' S	149° 10.667' E	-19.73935000	149.17778333
19° 43.862' S	149° 10.660' E	-19.73103333	149.17766667
19° 43.805' S	149° 10.845' E	-19.73008333	149.18075000
19° 43.568' S	149° 11.118' E	-19.72613333	149.18530000
19° 43.299' S	149° 11.559' E	-19.72165000	149.19265000
19° 42.438' S	149° 11.841' E	-19.70730000	149.19735000
<b>MNP-19-1105 Cape Upstart</b>			
19° 43.621' S	147° 50.698' E	-19.72701667	147.84496667
19° 43.621' S	147° 51.390' E	-19.72701667	147.85650000
19° 45.938' S	147° 54.001' E	-19.76563333	147.90001667
19° 49.650' S	147° 54.381' E	-19.82750000	147.90635000
19° 49.650' S	147° 51.480' E	-19.82750000	147.85800000
19° 45.416' S	147° 51.128' E	-19.75693333	147.85213333
19° 45.073' S	147° 51.067' E	-19.75121667	147.85111667
<b>MNP-19-1107 Upstart Bay</b>			
19° 45.099' S	147° 36.876' E	-19.75165000	147.61460000
19° 45.099' S	147° 44.344' E	-19.75165000	147.73906667
19° 49.578' S	147° 44.344' E	-19.82630000	147.73906667
19° 49.578' S	147° 42.081' E	-19.82630000	147.70135000
19° 46.227' S	147° 37.728' E	-19.77045000	147.62880000
<b>MNP-19-1110 Bait Reef (19-137)</b>			
19° 46.879' S	149° 03.376' E	-19.78131667	149.05626667
19° 46.879' S	149° 05.520' E	-19.78131667	149.09200000
19° 49.766' S	149° 05.520' E	-19.82943333	149.09200000
19° 49.766' S	149° 03.367' E	-19.82943333	149.05611667
<b>MNP-20-1111 Hayman Island (20-014), Langford-Bird (20-019) and Black Island (20-017) Reefs</b>			
20° 03.678' S	148° 52.920' E	-20.06130000	148.88200000
20° 03.732' S	148° 52.920' E	-20.06220000	148.88200000
20° 03.792' S	148° 52.962' E	-20.06320000	148.88270000
20° 04.260' S	148° 53.442' E	-20.07100000	148.89070000
20° 04.327' S	148° 53.759' E	-20.07211667	148.89598333
20° 05.065' S	148° 53.759' E	-20.08441667	148.89598333
20° 05.232' S	148° 53.508' E	-20.08720000	148.89180000
20° 05.274' S	148° 53.100' E	-20.08790000	148.88500000
20° 04.880' S	148° 52.477' E	-20.08133333	148.87461667
20° 04.759' S	148° 52.258' E	-20.07931667	148.87096667
20° 04.759' S	148° 51.910' E	-20.07931667	148.86516667
20° 03.600' S	148° 52.200' E	-20.06000000	148.87000000
20° 02.198' S	148° 52.830' E	-20.03663333	148.88050000

	<b>Butterfly Bay to Pinnacle Bay,</b>		
<b>MNP-20-1112</b>	<b>Hook Island</b>		
20° 03.380' S	148° 55.355' E	-20.05633333	148.92258333
20° 03.380' S	148° 57.849' E	-20.05633333	148.96415000
20° 03.684' S	148° 57.849' E	-20.06140000	148.96415000
20° 03.708' S	148° 55.355' E	-20.06180000	148.92258333
	<b>Armit, Little</b>		
<b>MNP-20-1113</b>	<b>Armit Island</b>		
20° 05.220' S	148° 38.163' E	-20.08700000	148.63605000
20° 05.220' S	148° 40.143' E	-20.08700000	148.66905000
20° 07.080' S	148° 40.143' E	-20.11800000	148.66905000
20° 07.080' S	148° 38.163' E	-20.11800000	148.63605000
	<b>Clark's Cove /</b>		
<b>MNP-20-1114</b>	<b>Low Island</b>		
20° 07.653' S	148° 34.706' E	-20.12755000	148.57843333
20° 07.653' S	148° 34.781' E	-20.12755000	148.57968333
20° 09.138' S	148° 35.486' E	-20.15230000	148.59143333
20° 09.176' S	148° 35.505' E	-20.15293333	148.59175000
20° 09.600' S	148° 35.705' E	-20.16000000	148.59508333
20° 09.915' S	148° 35.855' E	-20.16525000	148.59758333
	<b>Border/Dumbell</b>		
<b>MNP-20-1115</b>	<b>Islands</b>		
20° 08.760' S	148° 59.940' E	-20.14600000	148.99900000
20° 08.760' S	149° 03.672' E	-20.14600000	149.06120000
20° 11.400' S	149° 03.672' E	-20.19000000	149.06120000
20° 11.400' S	148° 59.940' E	-20.19000000	148.99900000
	<b>Esk Island Reef</b>		
<b>MNP-20-1116</b>	<b>(20-070)</b>		
20° 13.588' S	149° 02.155' E	-20.22646667	149.03591667
20° 13.588' S	149° 03.118' E	-20.22646667	149.05196667
20° 14.280' S	149° 03.118' E	-20.23800000	149.05196667
20° 14.280' S	149° 02.520' E	-20.23800000	149.04200000
20° 14.280' S	149° 02.155' E	-20.23800000	149.03591667
	<b>Haslewood/Lupt</b>		
<b>MNP-20-1117</b>	<b>on Islands</b>		
20° 15.021' S	149° 06.227' E	-20.25035000	149.10378333
20° 15.661' S	149° 06.900' E	-20.26101667	149.11500000
20° 16.442' S	149° 07.140' E	-20.27403333	149.11900000
20° 17.402' S	149° 06.900' E	-20.29003333	149.11500000
20° 18.126' S	149° 05.703' E	-20.30210000	149.09505000
20° 18.339' S	149° 05.164' E	-20.30565000	149.08606667
20° 18.287' S	149° 05.169' E	-20.30478333	149.08615000
	<b>Whitehaven</b>		
	<b>Beach,</b>		
	<b>Whitsunday</b>		
<b>MNP-20-1118</b>	<b>Island</b>		
20° 15.386' S	149° 01.571' E	-20.25643333	149.02618333
20° 17.572' S	149° 03.495' E	-20.29286667	149.05825000
	<b>South Molle and</b>		
<b>MNP-20-1119</b>	<b>Denman Islands</b>		
20° 16.257' S	148° 50.787' E	-20.27095000	148.84645000
20° 16.256' S	148° 51.540' E	-20.27093333	148.85900000
20° 17.385' S	148° 51.540' E	-20.28975000	148.85900000
20° 17.385' S	148° 50.025' E	-20.28975000	148.83375000

20° 16.932' S	148° 50.026' E	-20.28220000	148.83376667
<b>Hydrographers Passage, east of Boulton Reef (20- 146)</b>			
<b>MNP-20-1120</b>			
20° 18.102' S	150° 26.746' E	-20.30170000	150.44576667
20° 18.102' S	150° 28.588' E	-20.30170000	150.47646667
20° 18.102' S	150° 32.155' E	-20.30170000	150.53591667
20° 29.999' S	150° 32.155' E	-20.49998333	150.53591667
20° 29.999' S	150° 31.194' E	-20.49998333	150.51990000
20° 31.458' S	150° 31.200' E	-20.52430000	150.52000000
20° 31.458' S	150° 26.746' E	-20.52430000	150.44576667
<b>East Rock/Pelican Island</b>			
<b>MNP-20-1121</b>			
20° 19.638' S	148° 51.424' E	-20.32730000	148.85706667
20° 19.638' S	148° 51.975' E	-20.32730000	148.86625000
20° 20.457' S	148° 51.975' E	-20.34095000	148.86625000
20° 20.562' S	148° 52.021' E	-20.34270000	148.86701667
20° 20.562' S	148° 51.072' E	-20.34270000	148.85120000
<b>Eastern Central Swains</b>			
<b>MNP-20-1122</b>			
20° 19.700' S	150° 59.121' E	-20.32833333	150.98535000
20° 21.000' S	151° 00.000' E	-20.35000000	151.00000000
20° 34.899' S	151° 13.899' E	-20.58165000	151.23165000
20° 34.899' S	150° 55.235' E	-20.58165000	150.92058333
20° 31.929' S	150° 50.688' E	-20.53215000	150.84480000
20° 24.754' S	150° 50.688' E	-20.41256667	150.84480000
<b>Pine Island/Cape Conway</b>			
<b>MNP-20-1123</b>			
20° 21.958' S	148° 52.647' E	-20.36596667	148.87745000
20° 21.958' S	148° 54.000' E	-20.36596667	148.90000000
20° 24.600' S	148° 55.800' E	-20.41000000	148.93000000
20° 25.173' S	148° 55.800' E	-20.41955000	148.93000000
20° 25.173' S	149° 00.081' E	-20.41955000	149.00135000
20° 32.406' S	149° 00.081' E	-20.54010000	149.00135000
20° 32.406' S	148° 56.957' E	-20.54010000	148.94928333
20° 31.149' S	148° 56.957' E	-20.51915000	148.94928333
20° 31.145' S	148° 55.464' E	-20.51908333	148.92440000
20° 25.048' S	148° 50.284' E	-20.41746667	148.83806667
20° 25.048' S	148° 51.008' E	-20.41746667	148.85013333
20° 23.164' S	148° 51.008' E	-20.38606667	148.85013333
20° 23.164' S	148° 51.325' E	-20.38606667	148.85541667
20° 23.390' S	148° 52.482' E	-20.38983333	148.87470000
20° 23.390' S	148° 53.303' E	-20.38983333	148.88838333
<b>Central Swains: Hardline to Marine Park boundary</b>			
<b>MNP-20-1124</b>			
20° 23.151' S	151° 50.320' E	-20.38585000	151.83866667
20° 59.910' S	152° 55.060' E	-20.99850000	152.91766667
21° 08.978' S	152° 57.798' E	-21.14963333	152.96330000
21° 08.978' S	152° 48.000' E	-21.14963333	152.80000000
21° 08.978' S	152° 41.656' E	-21.14963333	152.69426667

21° 04.777' S	152° 41.656' E	-21.07961667	152.69426667
21° 04.777' S	152° 35.843' E	-21.07961667	152.59738333
21° 09.048' S	152° 35.843' E	-21.15080000	152.59738333
21° 09.048' S	152° 27.000' E	-21.15080000	152.45000000
21° 14.977' S	152° 27.000' E	-21.24961667	152.45000000
21° 14.977' S	152° 07.788' E	-21.24961667	152.12980000
20° 59.100' S	152° 07.788' E	-20.98500000	152.12980000
20° 59.100' S	152° 18.300' E	-20.98500000	152.30500000
20° 52.178' S	152° 18.300' E	-20.86963333	152.30500000
20° 52.178' S	151° 25.200' E	-20.86963333	151.42000000
20° 55.777' S	151° 18.000' E	-20.92961667	151.30000000
20° 59.337' S	151° 16.200' E	-20.98895000	151.27000000
20° 59.337' S	150° 49.452' E	-20.98895000	150.82420000
20° 53.317' S	150° 49.452' E	-20.88861667	150.82420000
20° 53.317' S	150° 41.448' E	-20.88861667	150.69080000
20° 48.000' S	150° 41.448' E	-20.80000000	150.69080000
20° 48.000' S	150° 48.000' E	-20.80000000	150.80000000
20° 48.000' S	150° 49.681' E	-20.80000000	150.82801667
20° 48.000' S	150° 51.630' E	-20.80000000	150.86050000
20° 48.000' S	151° 02.400' E	-20.80000000	151.04000000
20° 42.000' S	151° 09.000' E	-20.70000000	151.15000000
20° 40.800' S	151° 13.800' E	-20.68000000	151.23000000
20° 38.802' S	151° 17.802' E	-20.64670000	151.29670000

**Mansell Island &  
Shaw Island -**

**MNP-20-1125**

**east coast**

20° 23.280' S	149° 02.281' E	-20.38800000	149.03801667
20° 23.280' S	149° 07.071' E	-20.38800000	149.11785000
20° 27.600' S	149° 07.071' E	-20.46000000	149.11785000
20° 27.600' S	149° 08.400' E	-20.46000000	149.14000000
20° 30.480' S	149° 08.280' E	-20.50800000	149.13800000
20° 30.480' S	149° 07.200' E	-20.50800000	149.12000000
20° 32.406' S	149° 06.000' E	-20.54010000	149.10000000
20° 32.406' S	149° 04.652' E	-20.54010000	149.07753333
20° 32.406' S	149° 03.130' E	-20.54010000	149.05216667
20° 31.585' S	149° 03.134' E	-20.52641667	149.05223333
20° 26.266' S	149° 04.711' E	-20.43776667	149.07851667
20° 26.268' S	149° 03.311' E	-20.43780000	149.05518333
20° 25.854' S	149° 02.338' E	-20.43090000	149.03896667

**MNP-20-1127**

**Repulse Bay**

20° 32.643' S	148° 44.638' E	-20.54405000	148.74396667
20° 32.643' S	148° 52.200' E	-20.54405000	148.87000000
20° 34.200' S	148° 52.200' E	-20.57000000	148.87000000
20° 34.200' S	148° 51.205' E	-20.57000000	148.85341667
20° 37.800' S	148° 51.205' E	-20.63000000	148.85341667
20° 37.800' S	148° 52.800' E	-20.63000000	148.88000000
20° 39.730' S	148° 52.800' E	-20.66216667	148.88000000
20° 39.730' S	148° 46.001' E	-20.66216667	148.76668333
20° 39.730' S	148° 44.638' E	-20.66216667	148.74396667

**Goldsmith**

**MNP-20-1128**

**Island**

20° 40.500' S	149° 10.380' E	-20.67500000	149.17300000
20° 41.448' S	149° 10.374' E	-20.69080000	149.17290000
20° 41.447' S	149° 09.501' E	-20.69078333	149.15835000
20° 41.111' S	149° 09.501' E	-20.68518333	149.15835000
20° 40.508' S	149° 09.977' E	-20.67513333	149.16628333

	<b>New Beach and 10-Mile Beach coastal area</b>		
<b>MNP-20-1129</b>			
20° 43.461' S	148° 45.504' E	-20.72435000	148.75840000
20° 43.461' S	148° 48.642' E	-20.72435000	148.81070000
20° 46.312' S	148° 48.642' E	-20.77186667	148.81070000
	<b>Brampton and Carlisle Islands - north-east</b>		
<b>MNP-20-1130</b>			
20° 45.207' S	149° 15.977' E	-20.75345000	149.26628333
20° 45.207' S	149° 18.780' E	-20.75345000	149.31300000
20° 47.190' S	149° 18.780' E	-20.78650000	149.31300000
20° 47.190' S	149° 18.051' E	-20.78650000	149.30085000
20° 47.439' S	149° 18.051' E	-20.79065000	149.30085000
20° 48.134' S	149° 17.312' E	-20.80223333	149.28853333
20° 48.390' S	149° 17.058' E	-20.80650000	149.28430000
20° 48.025' S	149° 16.179' E	-20.80041667	149.26965000
20° 47.388' S	149° 16.179' E	-20.78980000	149.26965000
20° 47.388' S	149° 15.977' E	-20.78980000	149.26628333
	<b>Brothers Islands/Stewart Peninsular</b>		
<b>MNP-20-1131</b>			
20° 46.746' S	148° 49.893' E	-20.77910000	148.83155000
20° 46.746' S	148° 51.801' E	-20.77910000	148.86335000
20° 48.000' S	148° 51.801' E	-20.80000000	148.86335000
20° 48.000' S	148° 50.477' E	-20.80000000	148.84128333
20° 47.699' S	148° 50.477' E	-20.79498333	148.84128333
20° 47.699' S	148° 49.553' E	-20.79498333	148.82588333
	<b>Brampton Island</b>		
<b>MNP-20-1132</b>			
20° 49.545' S	149° 17.211' E	-20.82575000	149.28685000
20° 49.698' S	149° 15.972' E	-20.82830000	149.26620000
	<b>Scawfell Island</b>		
<b>MNP-20-1133</b>			
20° 50.400' S	149° 36.240' E	-20.84000000	149.60400000
20° 50.400' S	149° 37.980' E	-20.84000000	149.63300000
20° 53.541' S	149° 37.980' E	-20.89235000	149.63300000
20° 53.541' S	149° 34.200' E	-20.89235000	149.57000000
20° 52.176' S	149° 34.200' E	-20.86960000	149.57000000
20° 52.176' S	149° 34.686' E	-20.86960000	149.57810000
20° 50.799' S	149° 36.238' E	-20.84665000	149.60396667
	<b>Mausoleum, Acacia and Rocky Islands</b>		
<b>MNP-20-1134</b>			
20° 51.439' S	148° 55.428' E	-20.85731667	148.92380000
20° 51.439' S	148° 56.742' E	-20.85731667	148.94570000
20° 51.977' S	148° 56.742' E	-20.86628333	148.94570000
20° 51.977' S	148° 55.428' E	-20.86628333	148.92380000
	<b>Tern Reef (20- 309), Bushy- Redbill Reef (20- 310) and Sandpiper Reef (21-053)</b>		
<b>MNP-20-1135</b>			
20° 53.400' S	150° 01.200' E	-20.89000000	150.02000000
20° 53.400' S	150° 06.018' E	-20.89000000	150.10030000

21° 02.013' S	150° 06.018' E	-21.03355000	150.10030000
21° 02.013' S	150° 01.200' E	-21.03355000	150.02000000
<b>Cape Hillsborough</b>			
<b>MNP-20-1136</b>			
20° 53.653' S	149° 01.668' E	-20.89421667	149.02780000
20° 53.653' S	149° 02.251' E	-20.89421667	149.03751667
20° 54.210' S	149° 02.787' E	-20.90350000	149.04645000
20° 54.249' S	149° 01.362' E	-20.90415000	149.02270000
20° 53.825' S	149° 01.365' E	-20.89708333	149.02275000
<b>Pompey Reefs (20-351a, b and c)</b>			
<b>MNP-20-1137</b>			
20° 54.000' S	150° 30.000' E	-20.90000000	150.50000000
20° 54.000' S	150° 34.293' E	-20.90000000	150.57155000
21° 01.936' S	150° 34.293' E	-21.03226667	150.57155000
21° 01.936' S	150° 30.000' E	-21.03226667	150.50000000
<b>MNP-20-1138 Keswick Island</b>			
20° 55.179' S	149° 23.679' E	-20.91965000	149.39465000
20° 54.626' S	149° 23.165' E	-20.91043333	149.38608333
<b>Green Island Reef (20-285)</b>			
<b>MNP-20-1139</b>			
20° 58.082' S	149° 08.130' E	-20.96803333	149.13550000
20° 58.082' S	149° 08.967' E	-20.96803333	149.14945000
20° 58.569' S	149° 08.967' E	-20.97615000	149.14945000
20° 59.022' S	149° 08.966' E	-20.98370000	149.14943333
20° 59.420' S	149° 08.966' E	-20.99033333	149.14943333
20° 59.420' S	149° 08.130' E	-20.99033333	149.13550000
<b>Central Swains: adjacent to T-Line, including Riptide Cay Reef (21-172)</b>			
<b>MNP-21-1140</b>			
21° 07.716' S	151° 37.206' E	-21.12860000	151.62010000
21° 07.716' S	151° 52.842' E	-21.12860000	151.88070000
21° 16.818' S	151° 52.842' E	-21.28030000	151.88070000
21° 21.597' S	151° 45.003' E	-21.35995000	151.75005000
21° 21.597' S	151° 42.009' E	-21.35995000	151.70015000
21° 17.422' S	151° 37.206' E	-21.29036667	151.62010000
<b>Onshore Cape Clinton: including eastern Townshend Island, Heralds Reef Prong (21-432), Heralds Prong No. 3 (21-434), Archer Shoal (21-161) and lagoonal areas</b>			
<b>MNP-21-1141</b>			
21° 15.110' S	149° 58.518' E	-21.25183333	149.97530000
21° 15.110' S	150° 28.119' E	-21.25183333	150.46865000
21° 28.213' S	150° 39.735' E	-21.47021667	150.66225000
21° 28.213' S	150° 52.810' E	-21.47021667	150.88016667

21° 36.045' S	151° 05.994' E	-21.60075000	151.09990000
21° 36.045' S	151° 20.362' E	-21.60075000	151.33936667
21° 30.938' S	151° 20.362' E	-21.51563333	151.33936667
21° 30.938' S	151° 08.946' E	-21.51563333	151.14910000
21° 29.198' S	151° 08.946' E	-21.48663333	151.14910000
21° 27.464' S	151° 10.609' E	-21.45773333	151.17681667
21° 24.000' S	151° 06.151' E	-21.40000000	151.10251667
21° 19.800' S	151° 01.200' E	-21.33000000	151.02000000
21° 15.477' S	151° 01.260' E	-21.25795000	151.02100000
21° 15.503' S	151° 03.104' E	-21.25838333	151.05173333
21° 23.076' S	151° 09.972' E	-21.38460000	151.16620000
21° 21.600' S	151° 14.400' E	-21.36000000	151.24000000
21° 16.785' S	151° 14.373' E	-21.27975000	151.23955000
21° 16.800' S	151° 29.400' E	-21.28000000	151.49000000
21° 21.600' S	151° 33.000' E	-21.36000000	151.55000000
21° 30.043' S	151° 32.994' E	-21.50071667	151.54990000
21° 30.042' S	151° 33.731' E	-21.50070000	151.56218333
21° 30.597' S	151° 35.007' E	-21.50995000	151.58345000
21° 30.772' S	151° 35.386' E	-21.51286667	151.58976667
21° 33.000' S	151° 40.200' E	-21.55000000	151.67000000
21° 38.412' S	151° 40.200' E	-21.64020000	151.67000000
21° 39.601' S	151° 40.200' E	-21.66001667	151.67000000
21° 39.601' S	151° 38.783' E	-21.66001667	151.64638333
21° 39.597' S	151° 31.065' E	-21.65995000	151.51775000
21° 37.392' S	151° 28.621' E	-21.62320000	151.47701667
21° 37.392' S	151° 26.400' E	-21.62320000	151.44000000
21° 38.627' S	151° 26.400' E	-21.64378333	151.44000000
21° 50.607' S	151° 26.400' E	-21.84345000	151.44000000
21° 50.607' S	150° 59.972' E	-21.84345000	150.99953333
22° 24.907' S	150° 59.972' E	-22.41511667	150.99953333
22° 24.907' S	152° 00.000' E	-22.41511667	152.00000000
22° 13.800' S	152° 00.000' E	-22.23000000	152.00000000
22° 13.800' S	152° 06.960' E	-22.23000000	152.11600000
22° 24.600' S	152° 25.319' E	-22.41000000	152.42198333
22° 24.600' S	152° 34.800' E	-22.41000000	152.58000000
22° 21.815' S	152° 34.800' E	-22.36358333	152.58000000
22° 21.000' S	152° 39.000' E	-22.35000000	152.65000000
22° 20.533' S	152° 41.406' E	-22.34221667	152.69010000
22° 21.224' S	152° 44.410' E	-22.35373333	152.74016667
22° 24.600' S	152° 42.000' E	-22.41000000	152.70000000
22° 39.000' S	152° 42.000' E	-22.65000000	152.70000000
22° 43.800' S	152° 17.998' E	-22.73000000	152.29996667
22° 54.342' S	152° 07.497' E	-22.90570000	152.12495000
22° 54.342' S	152° 00.000' E	-22.90570000	152.00000000
22° 37.500' S	152° 00.000' E	-22.62500000	152.00000000
22° 35.988' S	151° 57.624' E	-22.59980000	151.96040000
22° 35.988' S	151° 42.600' E	-22.59980000	151.71000000
22° 39.006' S	151° 42.600' E	-22.65010000	151.71000000
22° 39.006' S	151° 34.833' E	-22.65010000	151.58055000
22° 36.575' S	151° 34.833' E	-22.60958333	151.58055000
22° 36.575' S	151° 30.276' E	-22.60958333	151.50460000
22° 39.011' S	151° 30.276' E	-22.65018333	151.50460000
22° 39.011' S	151° 08.409' E	-22.65018333	151.14015000
22° 34.947' S	151° 08.409' E	-22.58245000	151.14015000
22° 34.947' S	150° 55.111' E	-22.58245000	150.91851667
22° 32.291' S	150° 55.111' E	-22.53818333	150.91851667

22° 32.291' S	150° 47.181' E	-22.53818333	150.78635000
22° 26.960' S	150° 45.258' E	-22.44933333	150.75430000
22° 26.960' S	150° 45.623' E	-22.44933333	150.76038333
22° 26.960' S	150° 46.003' E	-22.44933333	150.76671667
22° 26.960' S	150° 46.861' E	-22.44933333	150.78101667
22° 19.463' S	150° 43.545' E	-22.32438333	150.72575000
22° 18.264' S	150° 43.545' E	-22.30440000	150.72575000
22° 18.264' S	150° 33.313' E	-22.30440000	150.55521667
22° 12.300' S	150° 28.799' E	-22.20500000	150.47998333
22° 06.741' S	150° 28.799' E	-22.11235000	150.47998333
22° 06.741' S	150° 42.678' E	-22.11235000	150.71130000
21° 55.800' S	150° 42.678' E	-21.93000000	150.71130000
21° 32.754' S	150° 25.360' E	-21.54590000	150.42266667
21° 32.754' S	149° 58.518' E	-21.54590000	149.97530000
21° 30.000' S	149° 58.518' E	-21.50000000	149.97530000

**Central Swains:  
north-east,  
including  
unnamed reefs  
21-256, and 21-**

<b>MNP-21-1142</b>	<b>294 to 21-300</b>		
21° 15.871' S	152° 36.292' E	-21.26451667	152.60486667
21° 15.871' S	152° 38.950' E	-21.26451667	152.64916667
21° 23.040' S	152° 33.720' E	-21.38400000	152.56200000
21° 24.840' S	152° 30.720' E	-21.41400000	152.51200000
21° 21.720' S	152° 26.040' E	-21.36200000	152.43400000

**Yaralla (21-322),  
Tupper (21-320),  
Ferdinand (21-  
317) and  
Waratah (21-319)**

<b>MNP-21-1144</b>	<b>Shoals</b>		
21° 29.100' S	149° 35.700' E	-21.48500000	149.59500000
21° 29.114' S	149° 51.302' E	-21.48523333	149.85503333
21° 30.016' S	149° 51.304' E	-21.50026667	149.85506667
21° 33.181' S	149° 51.307' E	-21.55301667	149.85511667
21° 33.191' S	149° 44.690' E	-21.55318333	149.74483333
21° 38.718' S	149° 39.000' E	-21.64530000	149.65000000
21° 38.737' S	149° 39.000' E	-21.64561667	149.65000000
21° 39.321' S	149° 38.400' E	-21.65535000	149.64000000
21° 39.321' S	149° 35.700' E	-21.65535000	149.59500000

**Southern  
Swains:  
including  
Recreation (21-  
501), Detour (21-  
514), Small (21-  
517) and Turtle**

<b>MNP-21-1145</b>	<b>(21-519) Reefs</b>		
21° 31.422' S	152° 31.320' E	-21.52370000	152.52200000
21° 31.422' S	152° 35.889' E	-21.52370000	152.59815000
21° 38.985' S	152° 33.614' E	-21.64975000	152.56023333
21° 40.704' S	152° 33.614' E	-21.67840000	152.56023333
21° 40.704' S	152° 32.500' E	-21.67840000	152.54166667
21° 44.954' S	152° 31.893' E	-21.74923333	152.53155000



21° 44.954' S	152° 32.450' E	-21.74923333	152.54083333
21° 46.167' S	152° 32.450' E	-21.76945000	152.54083333
21° 49.758' S	152° 27.645' E	-21.82930000	152.46075000
21° 52.035' S	152° 22.536' E	-21.86725000	152.37560000
21° 52.692' S	152° 20.058' E	-21.87820000	152.33430000
21° 55.019' S	152° 16.922' E	-21.91698333	152.28203333
22° 00.001' S	152° 14.354' E	-22.00001667	152.23923333
22° 00.001' S	152° 12.000' E	-22.00001667	152.20000000
21° 58.734' S	152° 12.000' E	-21.97890000	152.20000000
21° 58.734' S	152° 00.633' E	-21.97890000	152.01055000
21° 56.943' S	152° 00.633' E	-21.94905000	152.01055000
21° 51.731' S	152° 07.716' E	-21.86218333	152.12860000
21° 46.938' S	152° 12.411' E	-21.78230000	152.20685000
21° 45.258' S	152° 14.058' E	-21.75430000	152.23430000
21° 44.295' S	152° 15.000' E	-21.73825000	152.25000000
21° 43.652' S	152° 21.453' E	-21.72753333	152.35755000
21° 42.563' S	152° 24.402' E	-21.70938333	152.40670000
21° 38.079' S	152° 26.245' E	-21.63465000	152.43741667
21° 38.079' S	152° 30.072' E	-21.63465000	152.50120000
21° 34.188' S	152° 30.072' E	-21.56980000	152.50120000

**Broad Sound  
area including  
the Bedwell  
Group, Wild  
Duck and  
Bamborough**

**MNP-21-1146**

**Islands**

21° 38.400' S	149° 54.001' E	-21.64000000	149.90001667
21° 38.400' S	149° 58.800' E	-21.64000000	149.98000000
21° 43.680' S	149° 58.800' E	-21.72800000	149.98000000
21° 43.680' S	150° 07.519' E	-21.72800000	150.12531667
21° 54.589' S	150° 07.519' E	-21.90981667	150.12531667
21° 54.589' S	150° 08.094' E	-21.90981667	150.13490000
21° 55.965' S	150° 08.153' E	-21.93275000	150.13588333
21° 55.965' S	150° 07.338' E	-21.93275000	150.12230000
21° 57.414' S	150° 05.848' E	-21.95690000	150.09746667
21° 54.137' S	150° 02.644' E	-21.90228333	150.04406667
21° 54.137' S	149° 55.536' E	-21.90228333	149.92560000
22° 02.751' S	149° 55.536' E	-22.04585000	149.92560000
22° 02.751' S	149° 51.833' E	-22.04585000	149.86388333
22° 08.428' S	149° 51.833' E	-22.14046667	149.86388333
22° 08.428' S	149° 52.149' E	-22.14046667	149.86915000
22° 09.425' S	149° 51.876' E	-22.15708333	149.86460000
22° 09.425' S	149° 51.440' E	-22.15708333	149.85733333
22° 14.589' S	149° 51.440' E	-22.24315000	149.85733333
22° 20.658' S	149° 54.805' E	-22.34430000	149.91341667
22° 21.363' S	149° 42.786' E	-22.35605000	149.71310000
22° 10.890' S	149° 38.236' E	-22.18150000	149.63726667
22° 00.268' S	149° 38.236' E	-22.00446667	149.63726667
22° 00.268' S	149° 41.473' E	-22.00446667	149.69121667
21° 55.083' S	149° 41.473' E	-21.91805000	149.69121667
21° 52.875' S	149° 41.473' E	-21.88125000	149.69121667
21° 51.385' S	149° 42.195' E	-21.85641667	149.70325000

**Yarrawonga  
Point to West  
Hill National  
Park**

<b>MNP-21-1147</b>			
21° 45.266' S	149° 26.074' E	-21.75443333	149.43456667
21° 45.266' S	149° 27.801' E	-21.75443333	149.46335000
21° 48.554' S	149° 27.801' E	-21.80923333	149.46335000
21° 48.554' S	149° 26.135' E	-21.80923333	149.43558333

**Southern  
Swains  
including Wade  
(21-588), Jenkins  
(21-584) and  
Littles (21-589)**

<b>MNP-21-1149</b>	<b>Reefs</b>		
21° 55.461' S	152° 36.615' E	-21.92435000	152.61025000
21° 55.461' S	152° 40.435' E	-21.92435000	152.67391667
21° 59.468' S	152° 40.435' E	-21.99113333	152.67391667
21° 59.468' S	152° 39.516' E	-21.99113333	152.65860000
21° 59.841' S	152° 38.853' E	-21.99735000	152.64755000
21° 58.815' S	152° 37.789' E	-21.98025000	152.62981667
22° 02.991' S	152° 32.409' E	-22.04985000	152.54015000
22° 02.172' S	152° 29.400' E	-22.03620000	152.49000000
22° 01.191' S	152° 25.794' E	-22.01985000	152.42990000
21° 58.776' S	152° 25.794' E	-21.97960000	152.42990000
21° 56.994' S	152° 27.601' E	-21.94990000	152.46001667
21° 56.994' S	152° 35.475' E	-21.94990000	152.59125000
21° 56.391' S	152° 36.615' E	-21.93985000	152.61025000

<b>MNP-22-1151</b>	<b>Shoalwater Bay</b>		
22° 20.934' S	150° 28.971' E	-22.34890000	150.48285000
22° 24.070' S	150° 28.971' E	-22.40116667	150.48285000
22° 24.070' S	150° 31.842' E	-22.40116667	150.53070000
22° 17.657' S	150° 09.591' E	-22.29428333	150.15985000
22° 17.940' S	150° 25.239' E	-22.29900000	150.42065000
22° 13.484' S	150° 27.819' E	-22.22473333	150.46365000
22° 13.233' S	150° 28.160' E	-22.22055000	150.46933333

<b>MNP-22-1153</b>	<b>Barcoo Bank (22-157)</b>		
22° 48.532' S	151° 36.903' E	-22.80886667	151.61505000
22° 48.532' S	151° 42.350' E	-22.80886667	151.70583333
22° 53.973' S	151° 42.350' E	-22.89955000	151.70583333
22° 53.973' S	151° 36.903' E	-22.89955000	151.61505000

**Offshore  
Capricorn:  
adjacent to the  
south-eastern  
boundary of the**

<b>MNP-22-1154</b>	<b>Marine Park</b>		
22° 59.962' S	152° 54.615' E	-22.99936667	152.91025000
22° 59.962' S	153° 31.793' E	-22.99936667	153.52988333
24° 29.904' S	154° 00.060' E	-24.49840000	154.00100000
24° 29.904' S	153° 41.299' E	-24.49840000	153.68831667
24° 08.364' S	153° 41.299' E	-24.13940000	153.68831667
23° 33.351' S	152° 54.615' E	-23.55585000	152.91025000

**North Keppel  
Island - eastern  
side**

<b>MNP-23-1155</b>			
23° 03.195' S	150° 53.713' E	-23.05325000	150.89521667
23° 03.195' S	150° 54.330' E	-23.05325000	150.90550000
23° 03.195' S	150° 56.438' E	-23.05325000	150.94063333
23° 04.242' S	150° 56.438' E	-23.07070000	150.94063333
23° 04.242' S	150° 58.527' E	-23.07070000	150.97545000
23° 04.877' S	150° 58.527' E	-23.08128333	150.97545000
23° 04.877' S	151° 00.583' E	-23.08128333	151.00971667
23° 03.195' S	151° 00.583' E	-23.05325000	151.00971667
23° 03.195' S	151° 05.232' E	-23.05325000	151.08720000
23° 06.533' S	151° 05.232' E	-23.10888333	151.08720000
23° 06.533' S	150° 59.985' E	-23.10888333	150.99975000
23° 06.533' S	150° 58.674' E	-23.10888333	150.97790000
23° 07.120' S	150° 58.674' E	-23.11866667	150.97790000
23° 07.120' S	150° 54.833' E	-23.11866667	150.91388333
23° 05.250' S	150° 54.833' E	-23.08750000	150.91388333

**North Keppel  
Island - south-  
western side**

<b>MNP-23-1156</b>			
23° 04.176' S	150° 52.590' E	-23.06960000	150.87650000
23° 04.176' S	150° 53.178' E	-23.06960000	150.88630000
23° 04.996' S	150° 53.306' E	-23.08326667	150.88843333
23° 04.996' S	150° 52.590' E	-23.08326667	150.87650000

**North Reef (23-  
045a and b),  
Tryon Island  
Reef (23-046)  
and Brew Shoal  
(23-047)**

<b>MNP-23-1157</b>			
23° 08.295' S	151° 51.544' E	-23.13825000	151.85906667
23° 08.295' S	151° 57.999' E	-23.13825000	151.96665000
23° 10.203' S	151° 58.891' E	-23.17005000	151.98151667
23° 13.514' S	151° 58.891' E	-23.22523333	151.98151667
23° 13.500' S	151° 50.399' E	-23.22500000	151.83998333
23° 15.999' S	151° 50.399' E	-23.26665000	151.83998333
23° 15.999' S	151° 42.519' E	-23.26665000	151.70865000

**Middle Island  
Reef (23-010)**

<b>MNP-23-1158</b>			
23° 09.330' S	150° 54.930' E	-23.15550000	150.91550000
23° 09.690' S	150° 55.649' E	-23.16150000	150.92748333
23° 10.708' S	150° 55.649' E	-23.17846667	150.92748333
23° 10.708' S	150° 54.876' E	-23.17846667	150.91460000
23° 09.963' S	150° 54.103' E	-23.16605000	150.90171667

**Halfway Island  
to Great Keppel  
Island**

<b>MNP-23-1159</b>			
23° 11.555' S	150° 59.334' E	-23.19258333	150.98890000
23° 12.138' S	150° 59.334' E	-23.20230000	150.98890000
23° 12.138' S	150° 58.368' E	-23.20230000	150.97280000
23° 11.802' S	150° 58.219' E	-23.19670000	150.97031667
23° 11.154' S	150° 58.254' E	-23.18590000	150.97090000

**Egg Rock, Split  
Rock, Arch Rock  
and Jabiru Shoal**

<b>MNP-23-1160</b>			
23° 11.195' S	151° 02.796' E	-23.18658333	151.04660000
23° 11.195' S	151° 09.314' E	-23.18658333	151.15523333
23° 15.795' S	151° 13.445' E	-23.26325000	151.22408333
23° 23.222' S	151° 13.445' E	-23.38703333	151.22408333
23° 23.222' S	151° 02.790' E	-23.38703333	151.04650000
23° 21.624' S	151° 02.790' E	-23.36040000	151.04650000
23° 21.624' S	150° 57.986' E	-23.36040000	150.96643333
23° 22.508' S	150° 57.006' E	-23.37513333	150.95010000
23° 22.508' S	150° 54.000' E	-23.37513333	150.90000000
23° 18.747' S	150° 54.000' E	-23.31245000	150.90000000
23° 18.747' S	150° 56.109' E	-23.31245000	150.93515000
23° 16.503' S	150° 56.109' E	-23.27505000	150.93515000
23° 16.503' S	151° 02.796' E	-23.27505000	151.04660000
23° 18.418' S	151° 02.796' E	-23.30696667	151.04660000
23° 18.418' S	151° 06.801' E	-23.30696667	151.11335000
23° 16.500' S	151° 06.801' E	-23.27500000	151.11335000
23° 16.500' S	151° 04.209' E	-23.27500000	151.07015000
23° 15.263' S	151° 04.209' E	-23.25438333	151.07015000
23° 15.263' S	151° 02.796' E	-23.25438333	151.04660000

**Great Keppel  
Island - west of**

<b>MNP-23-1161</b>	<b>Monkey Point</b>		
23° 11.368' S	150° 55.557' E	-23.18946667	150.92595000
23° 11.368' S	150° 56.079' E	-23.18946667	150.93465000
23° 11.850' S	150° 56.262' E	-23.19750000	150.93770000
23° 11.850' S	150° 56.078' E	-23.19750000	150.93463333

**Wilson Island**

<b>MNP-23-1162</b>	<b>Reef (23-050)</b>		
23° 17.222' S	151° 56.198' E	-23.28703333	151.93663333
23° 18.960' S	151° 56.198' E	-23.31600000	151.93663333
23° 18.966' S	151° 54.124' E	-23.31610000	151.90206667
23° 17.229' S	151° 54.136' E	-23.28715000	151.90226667

**North West  
Island Reef (23-  
049) - southern**

<b>MNP-23-1163</b>	<b>side</b>		
23° 17.729' S	151° 42.968' E	-23.29548333	151.71613333
23° 19.350' S	151° 42.968' E	-23.32250000	151.71613333
23° 19.463' S	151° 41.943' E	-23.32438333	151.69905000
23° 17.967' S	151° 41.943' E	-23.29945000	151.69905000

**Wistari Reef (23-  
053) - Heron  
Island Reef (23-  
052) and inter-  
reefal areas  
adjacent to One**

<b>MNP-23-1164</b>	<b>Tree Island</b>		
23° 25.800' S	151° 53.100' E	-23.43000000	151.88500000
23° 25.800' S	151° 55.605' E	-23.43000000	151.92675000
23° 26.553' S	151° 55.106' E	-23.44255000	151.91843333
23° 26.616' S	151° 54.805' E	-23.44360000	151.91341667

23° 27.000' S	151° 54.600' E	-23.45000000	151.91000000
23° 29.297' S	151° 57.183' E	-23.48828333	151.95305000
23° 29.700' S	151° 57.601' E	-23.49500000	151.96001667
23° 31.069' S	152° 00.372' E	-23.51781667	152.00620000
23° 31.469' S	152° 00.372' E	-23.52448333	152.00620000
23° 31.469' S	152° 06.532' E	-23.52448333	152.10886667
23° 28.539' S	152° 06.532' E	-23.47565000	152.10886667
23° 28.539' S	152° 07.731' E	-23.47565000	152.12885000
23° 28.539' S	152° 10.539' E	-23.47565000	152.17565000
23° 31.498' S	152° 13.501' E	-23.52496667	152.22501667
23° 33.890' S	152° 13.501' E	-23.56483333	152.22501667
23° 33.890' S	151° 57.867' E	-23.56483333	151.96445000
23° 33.890' S	151° 53.100' E	-23.56483333	151.88500000

**Erskine Island**

**MNP-23-1165**

**Reef (23-068)**

23° 29.100' S	151° 45.000' E	-23.48500000	151.75000000
23° 29.100' S	151° 47.756' E	-23.48500000	151.79593333
23° 30.879' S	151° 47.756' E	-23.51465000	151.79593333
23° 30.879' S	151° 45.000' E	-23.51465000	151.75000000

**Irving Reef (23-070) and**

**Polmaise Reef**

**(23-071)**

**MNP-23-1166**

23° 31.998' S	151° 36.236' E	-23.53330000	151.60393333
23° 31.998' S	151° 42.000' E	-23.53330000	151.70000000
23° 33.052' S	151° 43.236' E	-23.55086667	151.72060000
23° 34.742' S	151° 43.236' E	-23.57903333	151.72060000
23° 35.575' S	151° 43.236' E	-23.59291667	151.72060000
23° 35.575' S	151° 38.322' E	-23.59291667	151.63870000
23° 33.574' S	151° 36.236' E	-23.55956667	151.60393333

**MNP-23-1167**

**Curtis Island**

23° 34.001' S	151° 13.530' E	-23.56668333	151.22550000
23° 34.001' S	151° 17.201' E	-23.56668333	151.28668333
23° 34.001' S	151° 18.558' E	-23.56668333	151.30930000
23° 42.005' S	151° 21.847' E	-23.70008333	151.36411667
23° 42.005' S	151° 17.383' E	-23.70008333	151.28971667
23° 39.696' S	151° 16.065' E	-23.66160000	151.26775000
23° 39.769' S	151° 15.787' E	-23.66281667	151.26311667
23° 39.687' S	151° 15.562' E	-23.66145000	151.25936667
23° 39.497' S	151° 15.459' E	-23.65828333	151.25765000
23° 39.147' S	151° 15.077' E	-23.65245000	151.25128333
23° 38.826' S	151° 15.077' E	-23.64710000	151.25128333
23° 38.241' S	151° 14.539' E	-23.63735000	151.24231667
23° 37.331' S	151° 14.539' E	-23.62218333	151.24231667
23° 37.331' S	151° 14.256' E	-23.62218333	151.23760000

**Llewellyn Reef (23-078), Hoskyn Reef (23-080), Fairfax Reef (23-081) and northern side of Lady Musgrave**

**MNP-23-1168**

**Reef (23-082)**

23° 37.695' S	152° 14.027' E	-23.62825000	152.23378333
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23° 46.593' S	152° 14.027' E	-23.77655000	152.23378333
23° 46.593' S	152° 20.303' E	-23.77655000	152.33838333
23° 49.426' S	152° 20.303' E	-23.82376667	152.33838333
23° 49.426' S	152° 24.236' E	-23.82376667	152.40393333
23° 52.928' S	152° 24.236' E	-23.88213333	152.40393333
23° 53.670' S	152° 24.780' E	-23.89450000	152.41300000
23° 54.351' S	152° 23.696' E	-23.90585000	152.39493333
23° 54.314' S	152° 23.664' E	-23.90523333	152.39440000
23° 54.108' S	152° 23.529' E	-23.90180000	152.39215000
23° 54.108' S	152° 22.797' E	-23.90180000	152.37995000
23° 54.108' S	152° 19.542' E	-23.90180000	152.32570000
23° 41.812' S	152° 06.360' E	-23.69686667	152.10600000

**Lady Elliot**

**Island Reef (24-008)**

<b>MNP-23-1169</b>			
23° 55.200' S	152° 35.999' E	-23.92000000	152.59998333
24° 04.800' S	152° 48.000' E	-24.08000000	152.80000000
24° 10.800' S	152° 48.000' E	-24.18000000	152.80000000
24° 10.800' S	152° 37.800' E	-24.18000000	152.63000000
24° 13.798' S	152° 37.800' E	-24.22996667	152.63000000
24° 19.984' S	152° 37.800' E	-24.33306667	152.63000000
24° 19.984' S	152° 12.000' E	-24.33306667	152.20000000
24° 07.965' S	152° 12.000' E	-24.13275000	152.20000000
24° 07.965' S	152° 22.800' E	-24.13275000	152.38000000
23° 55.593' S	152° 22.800' E	-23.92655000	152.38000000

**MNP-23-1170 Richards Point**

23° 58.171' S	151° 39.096' E	-23.96951667	151.65160000
23° 58.679' S	151° 41.304' E	-23.97798333	151.68840000
23° 59.583' S	151° 41.304' E	-23.99305000	151.68840000
24° 00.363' S	151° 41.304' E	-24.00605000	151.68840000
23° 58.964' S	151° 39.096' E	-23.98273333	151.65160000

**Adjacent to Deepwater**

<b>MNP-24-1171</b>			
24° 13.971' S	151° 56.419' E	-24.23285000	151.94031667
24° 13.971' S	152° 02.608' E	-24.23285000	152.04346667
24° 23.374' S	152° 02.608' E	-24.38956667	152.04346667
24° 23.374' S	151° 59.454' E	-24.38956667	151.99090000
24° 22.650' S	151° 59.244' E	-24.37750000	151.98740000
24° 21.879' S	151° 58.957' E	-24.36465000	151.98261667
24° 21.140' S	151° 58.790' E	-24.35233333	151.97983333
24° 19.675' S	151° 58.272' E	-24.32791667	151.97120000
24° 19.142' S	151° 58.160' E	-24.31903333	151.96933333
24° 18.868' S	151° 58.047' E	-24.31446667	151.96745000
24° 18.729' S	151° 57.892' E	-24.31215000	151.96486667
24° 18.512' S	151° 57.774' E	-24.30853333	151.96290000
24° 17.659' S	151° 57.546' E	-24.29431667	151.95910000
24° 16.929' S	151° 57.270' E	-24.28215000	151.95450000
24° 15.774' S	151° 57.024' E	-24.26290000	151.95040000
24° 15.465' S	151° 57.024' E	-24.25775000	151.95040000
24° 14.999' S	151° 56.852' E	-24.24998333	151.94753333
24° 14.385' S	151° 56.725' E	-24.23975000	151.94541667

**Unnamed reef 24-010 and surrounding areas - adjacent to the southern boundary of the Marine Park**

<b>MNP-24-1172</b>			
24° 17.700' S	153° 02.832' E	-24.29500000	153.04720000
24° 17.700' S	153° 07.855' E	-24.29500000	153.13091667
24° 20.629' S	153° 11.891' E	-24.34381667	153.19818333
24° 29.904' S	153° 11.891' E	-24.49840000	153.19818333
24° 29.904' S	152° 59.619' E	-24.49840000	152.99365000
24° 19.640' S	152° 59.619' E	-24.32733333	152.99365000
24° 19.640' S	153° 02.832' E	-24.32733333	153.04720000

**Inshore Baffle Creek - adjacent to the southern boundary of the**

<b>MNP-24-1173</b>	<b>Marine Park</b>		
24° 26.200' S	152° 06.000' E	-24.43666667	152.10000000
24° 26.200' S	152° 26.250' E	-24.43666667	152.43750000
24° 29.904' S	152° 26.250' E	-24.49840000	152.43750000
24° 29.904' S	152° 06.000' E	-24.49840000	152.10000000

Preservation Zones (Datum GDA94)

LATITUDE	LONGITUDE	Y_COORD	X_COORD
<b>Milman-Aplin Reef (11-035)</b>			
<b>P-11-2</b>			
11° 09.600' S	143° 00.242' E	-11.16000000	143.00403333
11° 09.600' S	143° 01.440' E	-11.16000000	143.02400000
11° 11.040' S	143° 03.120' E	-11.18400000	143.05200000
11° 12.000' S	143° 03.120' E	-11.20000000	143.05200000
11° 12.000' S	143° 01.920' E	-11.20000000	143.03200000
11° 10.560' S	143° 00.242' E	-11.17600000	143.00403333
<b>Unnamed reef 11-091</b>			
<b>P-11-3</b>			
11° 23.760' S	143° 57.600' E	-11.39600000	143.96000000
11° 23.760' S	143° 58.800' E	-11.39600000	143.98000000
11° 24.480' S	143° 58.800' E	-11.40800000	143.98000000
11° 24.720' S	143° 58.080' E	-11.41200000	143.96800000
11° 24.480' S	143° 56.880' E	-11.40800000	143.94800000
11° 24.000' S	143° 56.880' E	-11.40000000	143.94800000
<b>Parkinson Reef (11-058)</b>			
<b>P-11-4</b>			
11° 26.880' S	143° 06.480' E	-11.44800000	143.10800000
11° 26.880' S	143° 08.160' E	-11.44800000	143.13600000
11° 29.040' S	143° 08.160' E	-11.48400000	143.13600000
11° 29.040' S	143° 06.480' E	-11.48400000	143.10800000
<b>Pearson Reef (11-211)</b>			
<b>P-11-5</b>			
11° 32.880' S	143° 42.002' E	-11.54800000	143.70003333
11° 32.880' S	143° 44.400' E	-11.54800000	143.74000000
11° 34.560' S	143° 44.400' E	-11.57600000	143.74000000
11° 34.560' S	143° 42.002' E	-11.57600000	143.70003333
<b>Yule Detached Reef (11-240)</b>			
<b>P-11-6</b>			
11° 55.440' S	143° 57.120' E	-11.92400000	143.95200000
11° 55.440' S	143° 58.560' E	-11.92400000	143.97600000
11° 56.400' S	144° 01.438' E	-11.94000000	144.02396667
11° 57.600' S	144° 01.438' E	-11.96000000	144.02396667
11° 58.800' S	144° 00.000' E	-11.98000000	144.00000000
11° 56.880' S	143° 57.120' E	-11.94800000	143.95200000
<b>Unnamed reef 13-061</b>			
<b>P-13-7</b>			
13° 22.080' S	143° 58.823' E	-13.36800000	143.98038333
13° 24.480' S	144° 00.023' E	-13.40800000	144.00038333
13° 25.440' S	144° 00.023' E	-13.42400000	144.00038333
13° 25.680' S	143° 59.542' E	-13.42800000	143.99236667
13° 25.680' S	143° 59.171' E	-13.42800000	143.98618333
13° 25.509' S	143° 59.171' E	-13.42515000	143.98618333
13° 25.283' S	143° 58.987' E	-13.42138333	143.98311667
13° 25.153' S	143° 58.986' E	-13.41921667	143.98310000
13° 24.951' S	143° 58.757' E	-13.41585000	143.97928333
13° 24.951' S	143° 58.536' E	-13.41585000	143.97560000
13° 25.012' S	143° 58.335' E	-13.41686667	143.97225000
13° 25.014' S	143° 57.759' E	-13.41690000	143.96265000



13° 23.522' S	143° 56.903' E	-13.39203333	143.94838333
13° 23.039' S	143° 56.903' E	-13.38398333	143.94838333

**Hilder Reef (14-085)**

<b>P-14-8</b>			
14° 25.042' S	145° 24.347' E	-14.41736667	145.40578333
14° 25.042' S	145° 25.920' E	-14.41736667	145.43200000
14° 26.880' S	145° 25.920' E	-14.44800000	145.43200000
14° 28.301' S	145° 25.202' E	-14.47168333	145.42003333
14° 28.301' S	145° 23.026' E	-14.47168333	145.38376667
14° 26.098' S	145° 23.026' E	-14.43496667	145.38376667

**Wakooka Creek to Dead Dog Creek**

<b>P-14-9</b>			
14° 27.116' S	144° 38.619' E	-14.45193333	144.64365000
14° 30.831' S	144° 46.144' E	-14.51385000	144.76906667
14° 33.210' S	144° 51.941' E	-14.55350000	144.86568333
14° 35.269' S	144° 55.042' E	-14.58781667	144.91736667
14° 35.895' S	144° 55.003' E	-14.59825000	144.91671667
14° 36.323' S	144° 55.002' E	-14.60538333	144.91670000
14° 36.156' S	144° 52.932' E	-14.60260000	144.88220000
14° 36.342' S	144° 50.553' E	-14.60570000	144.84255000
14° 35.397' S	144° 48.647' E	-14.58995000	144.81078333
14° 35.465' S	144° 48.192' E	-14.59108333	144.80320000
14° 35.143' S	144° 47.280' E	-14.58571667	144.78800000
14° 33.323' S	144° 47.263' E	-14.55538333	144.78771667
14° 32.428' S	144° 46.859' E	-14.54046667	144.78098333
14° 32.394' S	144° 45.071' E	-14.53990000	144.75118333
14° 32.731' S	144° 44.767' E	-14.54551667	144.74611667
14° 32.883' S	144° 43.806' E	-14.54805000	144.73010000
14° 32.834' S	144° 42.912' E	-14.54723333	144.71520000
14° 33.036' S	144° 42.489' E	-14.55060000	144.70815000
14° 32.631' S	144° 41.224' E	-14.54385000	144.68706667
14° 31.400' S	144° 40.803' E	-14.52333333	144.68005000
14° 30.320' S	144° 40.296' E	-14.50533333	144.67160000
14° 28.981' S	144° 39.485' E	-14.48301667	144.65808333
14° 27.689' S	144° 38.619' E	-14.46148333	144.64365000

**Carter Reef (14-137)**

<b>P-14-10</b>			
14° 29.879' S	145° 35.407' E	-14.49798333	145.59011667
14° 33.073' S	145° 38.224' E	-14.55121667	145.63706667
14° 34.910' S	145° 35.848' E	-14.58183333	145.59746667
14° 33.982' S	145° 34.800' E	-14.56636667	145.58000000
14° 32.856' S	145° 34.004' E	-14.54760000	145.56673333
14° 31.641' S	145° 33.543' E	-14.52735000	145.55905000

**Camel Head Reef (15-029)**

<b>P-15-11</b>			
15° 13.914' S	145° 42.578' E	-15.23190000	145.70963333
15° 13.914' S	145° 44.160' E	-15.23190000	145.73600000
15° 14.640' S	145° 44.160' E	-15.24400000	145.73600000
15° 15.120' S	145° 43.680' E	-15.25200000	145.72800000
15° 15.120' S	145° 42.578' E	-15.25200000	145.70963333

**Ribbon Reef No. 6 (15-032)**

<b>P-15-12</b>			
15° 15.120' S	145° 44.721' E	-15.25200000	145.74535000
15° 15.390' S	145° 44.871' E	-15.25650000	145.74785000
15° 15.444' S	145° 45.135' E	-15.25740000	145.75225000

15° 15.581' S	145° 45.348' E	-15.25968333	145.75580000
15° 15.720' S	145° 45.359' E	-15.26200000	145.75598333
15° 16.427' S	145° 45.585' E	-15.27378333	145.75975000
15° 16.821' S	145° 45.575' E	-15.28035000	145.75958333
15° 17.574' S	145° 45.768' E	-15.29290000	145.76280000
15° 17.716' S	145° 45.736' E	-15.29526667	145.76226667
15° 18.096' S	145° 45.449' E	-15.30160000	145.75748333
15° 18.096' S	145° 44.143' E	-15.30160000	145.73571667
15° 15.810' S	145° 44.143' E	-15.26350000	145.73571667

**Williamson Reef  
(15-039)**

**P-15-13**

15° 20.256' S	145° 30.960' E	-15.33760000	145.51600000
15° 20.256' S	145° 39.285' E	-15.33760000	145.65475000
15° 22.119' S	145° 39.285' E	-15.36865000	145.65475000
15° 23.383' S	145° 35.453' E	-15.38971667	145.59088333
15° 21.993' S	145° 30.959' E	-15.36655000	145.51598333

**Euston Reef**

**P-16-14 north (16-063)**

16° 40.800' S	146° 14.640' E	-16.68000000	146.24400000
16° 40.800' S	146° 15.360' E	-16.68000000	146.25600000
16° 41.520' S	146° 15.360' E	-16.69200000	146.25600000
16° 41.520' S	146° 14.640' E	-16.69200000	146.24400000

**North West Reef**

**P-16-15 (16-072)**

16° 51.600' S	146° 22.800' E	-16.86000000	146.38000000
16° 51.600' S	146° 25.200' E	-16.86000000	146.42000000
16° 52.800' S	146° 25.200' E	-16.88000000	146.42000000
16° 54.000' S	146° 24.000' E	-16.90000000	146.40000000
16° 54.000' S	146° 22.800' E	-16.90000000	146.38000000

**Unnamed reef 17-**

**P-17-16 069**

17° 58.710' S	146° 44.831' E	-17.97850000	146.74718333
17° 58.710' S	146° 47.541' E	-17.97850000	146.79235000
18° 00.728' S	146° 47.541' E	-18.01213333	146.79235000
18° 00.728' S	146° 44.831' E	-18.01213333	146.74718333

**Cotton Shoal (18-045)**

**P-18-17**

18° 28.080' S	147° 23.280' E	-18.46800000	147.38800000
18° 28.080' S	147° 24.720' E	-18.46800000	147.41200000
18° 29.280' S	147° 24.720' E	-18.48800000	147.41200000
18° 29.280' S	147° 23.280' E	-18.48800000	147.38800000

**Arc Reef (18-070)**

**P-18-18**

18° 29.040' S	147° 26.160' E	-18.48400000	147.43600000
18° 29.040' S	147° 27.360' E	-18.48400000	147.45600000
18° 30.480' S	147° 27.360' E	-18.50800000	147.45600000
18° 30.480' S	147° 26.160' E	-18.50800000	147.43600000

**Jacqueline Reef**

**P-19-19 (19-061)**

19° 11.280' S	148° 54.000' E	-19.18800000	148.90000000
19° 11.280' S	148° 55.200' E	-19.18800000	148.92000000
19° 14.399' S	148° 55.200' E	-19.23998333	148.92000000
19° 14.399' S	148° 53.040' E	-19.23998333	148.88400000
19° 12.480' S	148° 53.040' E	-19.20800000	148.88400000

**Tile Reef (19-151**

**and 19-152)**

**P-19-20**

19° 35.762' S	149° 49.680' E	-19.59603333	149.82800000
19° 35.762' S	149° 51.600' E	-19.59603333	149.86000000
19° 37.200' S	149° 53.522' E	-19.62000000	149.89203333
19° 38.880' S	149° 53.522' E	-19.64800000	149.89203333
19° 38.880' S	149° 51.842' E	-19.64800000	149.86403333
19° 37.920' S	149° 51.842' E	-19.63200000	149.86403333
19° 37.920' S	149° 49.680' E	-19.63200000	149.82800000

**Eshelby Island  
Reef (20-012 and  
20-031)**

**P-20-21**

20° 00.480' S	148° 36.962' E	-20.00800000	148.61603333
20° 00.480' S	148° 38.400' E	-20.00800000	148.64000000
20° 01.920' S	148° 38.400' E	-20.03200000	148.64000000
20° 01.920' S	148° 36.962' E	-20.03200000	148.61603333

**Robertson Reef**

**P-20-22**

**No. 1 (20-135)**

20° 18.960' S	150° 07.920' E	-20.31600000	150.13200000
20° 18.960' S	150° 09.120' E	-20.31600000	150.15200000
20° 21.840' S	150° 08.880' E	-20.36400000	150.14800000
20° 21.840' S	150° 06.960' E	-20.36400000	150.11600000
20° 19.680' S	150° 06.960' E	-20.32800000	150.11600000

**Olympic Reef  
(20-377) and  
surrounds**

**P-20-23**

20° 47.760' S	151° 13.920' E	-20.79600000	151.23200000
20° 47.760' S	151° 16.562' E	-20.79600000	151.27603333
20° 49.440' S	151° 16.562' E	-20.82400000	151.27603333
20° 54.240' S	151° 15.359' E	-20.90400000	151.25598333
20° 54.240' S	151° 12.000' E	-20.90400000	151.20000000
20° 52.320' S	151° 11.760' E	-20.87200000	151.19600000
20° 51.600' S	151° 11.760' E	-20.86000000	151.19600000
20° 48.480' S	151° 12.720' E	-20.80800000	151.21200000
20° 48.000' S	151° 13.200' E	-20.80000000	151.22000000

**Unnamed reef 21-**

**P-21-24**

**219**

21° 07.680' S	152° 11.040' E	-21.12800000	152.18400000
21° 07.680' S	152° 11.760' E	-21.12800000	152.19600000
21° 08.640' S	152° 11.760' E	-21.14400000	152.19600000
21° 08.640' S	152° 10.320' E	-21.14400000	152.17200000
21° 07.920' S	152° 10.320' E	-21.13200000	152.17200000

**Unnamed reef 21-**

**P-21-25**

**222**

21° 08.640' S	152° 17.758' E	-21.14400000	152.29596667
21° 08.640' S	152° 19.200' E	-21.14400000	152.32000000
21° 09.840' S	152° 19.200' E	-21.16400000	152.32000000
21° 09.600' S	152° 17.998' E	-21.16000000	152.29996667

**Thomas Cay  
Reef (21-497)  
and Bacchi Cay**

**P-21-26**

**Reef (21-495)**

21° 37.538' S	152° 22.899' E	-21.62563333	152.38165000
21° 37.538' S	152° 24.042' E	-21.62563333	152.40070000
21° 38.455' S	152° 24.042' E	-21.64091667	152.40070000
21° 39.228' S	152° 22.711' E	-21.65380000	152.37851667
21° 39.228' S	152° 21.307' E	-21.65380000	152.35511667

21° 38.577' S	152° 21.307' E	-21.64295000	152.35511667
<b>P-21-28</b>	<b>Unnamed reef 21-507</b>		
21° 41.520' S	152° 27.360' E	-21.69200000	152.45600000
21° 41.520' S	152° 28.080' E	-21.69200000	152.46800000
21° 42.240' S	152° 28.080' E	-21.70400000	152.46800000
21° 42.960' S	152° 27.360' E	-21.71600000	152.45600000
21° 42.960' S	152° 25.680' E	-21.71600000	152.42800000
21° 42.240' S	152° 25.680' E	-21.70400000	152.42800000
<b>P-21-29</b>	<b>Frigate Cay Reef (21-511)</b>		
21° 44.018' S	152° 24.554' E	-21.73363333	152.40923333
21° 44.018' S	152° 25.467' E	-21.73363333	152.42445000
21° 44.805' S	152° 25.467' E	-21.74675000	152.42445000
21° 44.805' S	152° 24.554' E	-21.74675000	152.40923333
<b>P-21-30</b>	<b>Price Cay Reef (21-518)</b>		
21° 46.982' S	152° 26.508' E	-21.78303333	152.44180000
21° 46.982' S	152° 27.159' E	-21.78303333	152.45265000
21° 47.491' S	152° 27.159' E	-21.79151667	152.45265000
21° 47.491' S	152° 26.508' E	-21.79151667	152.44180000
<b>P-21-31</b>	<b>Bylund Cay Reef (21-519)</b>		
21° 47.025' S	152° 24.563' E	-21.78375000	152.40938333
21° 47.025' S	152° 25.214' E	-21.78375000	152.42023333
21° 47.627' S	152° 25.214' E	-21.79378333	152.42023333
21° 47.627' S	152° 24.563' E	-21.79378333	152.40938333
<b>P-21-32</b>	<b>Bell Cay Reef (21-435)</b>		
21° 47.604' S	151° 13.821' E	-21.79340000	151.23035000
21° 47.604' S	151° 17.433' E	-21.79340000	151.29055000
21° 49.759' S	151° 17.433' E	-21.82931667	151.29055000
21° 49.759' S	151° 13.821' E	-21.82931667	151.23035000
<b>P-21-33</b>	<b>Unnamed reef 21-529</b>		
21° 51.120' S	152° 09.120' E	-21.85200000	152.15200000
21° 51.120' S	152° 11.520' E	-21.85200000	152.19200000
21° 53.040' S	152° 11.520' E	-21.88400000	152.19200000
21° 53.040' S	152° 09.360' E	-21.88400000	152.15600000
<b>P-21-34</b>	<b>Gannet Cay Reef (21-556)</b>		
21° 58.476' S	152° 28.068' E	-21.97460000	152.46780000
21° 58.476' S	152° 28.827' E	-21.97460000	152.48045000
21° 59.236' S	152° 28.827' E	-21.98726667	152.48045000
21° 59.236' S	152° 28.068' E	-21.98726667	152.46780000
<b>P-23-35</b>	<b>Wreck Island Reef (23-051)</b>		
23° 18.240' S	151° 58.800' E	-23.30400000	151.98000000
23° 20.040' S	151° 59.940' E	-23.33400000	151.99900000
23° 21.780' S	151° 56.760' E	-23.36300000	151.94600000
23° 20.160' S	151° 55.620' E	-23.33600000	151.92700000
<b>P-23-36</b>	<b>Peak Island Reef (23-026)</b>		
23° 20.160' S	150° 55.442' E	-23.33600000	150.92403333
23° 20.160' S	150° 57.077' E	-23.33600000	150.95128333
23° 21.507' S	150° 57.077' E	-23.35845000	150.95128333

23° 21.507' S    150° 55.442' E    -23.35845000    150.92403333