



Prepared by the Instituto Geográfico Nacional (IGN), Lima, Peru, in collaboration with the Defense Mapping Agency.

Preparado por el Instituto Geográfico Nacional (IGN), Lima, Perú, en colaboración con la Agencia Cartográfica de Defensa.

**LEGEND**

**LEYENDA**

**POPULATED PLACES**  
 Densely built-up areas: [Symbol]  
 Slightly to moderately built-up areas: [Symbol]

**ROADS**  
 All weather, hard surface: [Symbol]  
 Divided highway: [Symbol]  
 Two or more lanes wide: [Symbol]  
 One lane wide: [Symbol]

**RAILROADS**  
 Normal gauge: [Symbol]  
 Narrow gauge: [Symbol]  
 Station: Turntable: [Symbol]

**BOUNDARIES**  
 International: [Symbol]  
 First-order administrative division: [Symbol]  
 Area names: [Symbol]

**RELIEF**  
 Depression: [Symbol]  
 Greater height than contour interval: [Symbol]  
 Less height than contour interval: [Symbol]

**VEGETATION**  
 Scrub: [Symbol]  
 Woodland: [Symbol]  
 Orchard: [Symbol]  
 Vineyard: [Symbol]  
 Scattered trees: [Symbol]

**MISCELLANEOUS CULTURAL FEATURES**  
 Cemetery: [Symbol]  
 Building: [Symbol]  
 Hospital: [Symbol]  
 Landmark feature: [Symbol]  
 Mine: [Symbol]  
 Bench mark: [Symbol]

**AERONAUTICAL DATA**  
 Obstructions: [Symbol]  
 Airfield: [Symbol]

**DRAINAGE**  
 Streams: [Symbol]  
 Ditch: [Symbol]  
 Land subject to inundation: [Symbol]

**VEGETATION**  
 Maternal, chaparral: [Symbol]  
 Woodland: [Symbol]  
 Orchard: [Symbol]  
 Vineyard: [Symbol]  
 Scattered trees: [Symbol]

**MISCELLANEOUS CULTURAL FEATURES**  
 Cemetery: [Symbol]  
 Building: [Symbol]  
 Hospital: [Symbol]  
 Landmark feature: [Symbol]  
 Mine: [Symbol]  
 Bench mark: [Symbol]

**AERONAUTICAL DATA**  
 Obstructions: [Symbol]  
 Airfield: [Symbol]

**DRAINAGE**  
 Streams: [Symbol]  
 Ditch: [Symbol]  
 Land subject to inundation: [Symbol]

**VEGETATION**  
 Maternal, chaparral: [Symbol]  
 Woodland: [Symbol]  
 Orchard: [Symbol]  
 Vineyard: [Symbol]  
 Scattered trees: [Symbol]

**NOTES**

POPULATED AREAS CLASSIFIED BY POLITICAL STATUS. AREAS POPULATED CLASSIFICADAS POR ESTADO POLITICA.

IN BUILT-UP AREAS ONLY THROUGH ROUTES ARE CLASSIFIED. EN AREAS DESARROLLADAS SOLO A TRAVES DE LAS RUTAS SON CLASIFICADAS.

THE WIDTH OF A LANE ON THIS MAP IS CONSIDERED TO BE AT LEAST 2.5 METERS WIDE. UNA VIA EN ESTE MAPA SE CONSIDERA COMO UN MINIMO DE 2.5 METROS DE ANCHO.

CAUTION-NOT ALL TELEPHONE AND ELECTRIC LINES ARE SHOWN. ADVERTENCIA-NO TODAS LAS LINEAS TELEFONICAS Y ELECTRICAS SE MUESTRAN.

COMPILED IN 1995 BY STEREOPHOTOMETRIC METHODS FROM AERIAL PHOTOGRAPHY TAKEN IN 1982, 1983 AND 1987. FIELD CLASSIFICATION IN 1994. MAP NOT FIELD CHECKED.

FORM LINE PORTRAY THE TERRAIN AT CANOPY LEVEL. ELEVATIONS SHOWN WITH " " ARE APPROXIMATE AND INDICATE HEIGHTS AT TREE TOP LEVEL. AVERAGE TREE HEIGHT VARIES FROM 20 METERS TO 30 METERS. THE AVERAGE TERRAIN IN THIS AREA IS GENERALLY ROLLING.

FORM LINE REPRESENTAN EL TERRENO SOBRE LA COBERTURA ARBORAL. LAS ELEVACIONES QUE SE MUESTRAN CON " " SON APROXIMADAS E INDICAN ALTURAS SOBRE LA COPA DE LOS ARBOLES. LA ALTURA PROMEDIO DE LOS ARBOLES VARIA ENTRE 20 METROS A 30 METROS. EL TERRENO EN ESTA AREA ES GENERALMENTE ONDULADO.

**GLOSSARY**

Hito: boundary marker  
 Isla: island  
 Laguna: lagoon  
 No hay: none  
 Obsoleto: obsolete  
 Puesto de vigilancia (PV): military post  
 Quebrada(s): stream

**ELEVATIONS IN METERS**

**RELIEF SHOWN BY FORM LINES**

**ELIPSOIDE**  
 GRID: [Symbol]  
 PROJECTION: [Symbol]  
 DATUM: [Symbol]  
 VERTICAL DATUM: [Symbol]

**WORLD GEODETIC SYSTEM 1984**  
 1.000 METER UTM, ZONE 18  
 TRANSVERSE MERCATOR  
 WORLD GEODETIC SYSTEM 1984  
 DATUM HORIZONTAL  
 DATUM VERTICAL  
 NAD 83  
 INSTITUTO GEOGRAFICO NACIONAL 6-95

**CONVERSION DE COORDENADAS WGS84 A PSAD56**  
 Grid: Add 23m E, Add 37m N  
 Geographic: Subtract 7.5" Long, Subtract 12.4" Lat.

**100 METER REFERENCE**  
 1. Read large numbers showing the VERTICAL grid line left of point and estimate height (100 meters) from grid line to point: 00 6  
 2. Read large numbers showing the HORIZONTAL grid line below point and estimate height (100 meters) from grid line to point: 79 2  
 Example: 006792

**REFERENCIA DE 100 METROS**  
 1. Leer los números grandes correspondientes a la línea vertical de la cuadrícula a la izquierda del punto y estimar los decimos (100 metros) entre la línea marcada y el punto: 00 6  
 2. Leer los números grandes correspondientes a la línea horizontal de la cuadrícula situada debajo del punto y estimar los decimos (100 metros) entre la línea marcada y el punto: 79 2  
 Ejemplo: 006792

**WHEN REPORTING ACROSS THE GRID ZONE IDENTIFICATION IN WHICH THE POINT LIES**  
 PREFIX: [Symbol]  
 SUFFIX: [Symbol]

**WHEN REPORTING OUTSIDE THE GRID ZONE IDENTIFICATION IN WHICH THE POINT LIES**  
 PREFIX: [Symbol]  
 SUFFIX: [Symbol]

**WHEN REPORTING ACROSS THE GRID ZONE IDENTIFICATION IN WHICH THE POINT LIES**  
 PREFIX: [Symbol]  
 SUFFIX: [Symbol]

**WHEN REPORTING OUTSIDE THE GRID ZONE IDENTIFICATION IN WHICH THE POINT LIES**  
 PREFIX: [Symbol]  
 SUFFIX: [Symbol]

**CONVERSION GRAPH**

1 meter = 3.28 feet  
 1 foot = 0.30 meters

**BOUNDARIES**

**LIMITES**

**ADJOINING SHEETS**

**ELEVATION GUIDE**

**GUÍA DE ELEVACIÓN**

**LIMITED DISTRIBUTION**

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