

SERIES 1501A  
SHEET SC 19-14  
EDITION 1

**POPULATED PLACES - LUGARES POBLADOS**

- Over 100,000 Más de 100,000
- 50,000 to 100,000 50,000 a 100,000
- 10,000 to 50,000 10,000 a 50,000
- 2,000 to 10,000 2,000 a 10,000
- Less than 2,000 Menos de 2,000

**ROADS - CARRETERAS**

- Dual Highway Autopista de dos sentidos
- All weather hard surface Superficie dura para todo clima
- More than two lanes wide Más de dos carriles de ancho
- Two lanes wide Dos carriles de ancho
- One lane wide Un carril de ancho
- Fair or dry weather, loose surface Superficie ligera, a suelta para todo clima
- More than two lanes wide Más de dos carriles de ancho
- Two lanes wide Dos carriles de ancho
- One lane wide Un carril de ancho
- Fair or dry weather, loose surface Superficie ligera, a suelta para todo clima
- More than two lanes wide Más de dos carriles de ancho
- Two lanes wide Dos carriles de ancho
- One lane wide Un carril de ancho

**RAILROADS - FERROCARRILES**

- Normal gauge 1.44m (4'8 1/2")
- Empresa normal 1.44m (4'8 1/2")
- Station position Posición de la estación
- Nome gauge Estación cerrada

**BOUNDARIES - LÍMITES**

- International Internacional
- First-order administrative division División administrativa de primer orden

**OTHER FEATURES - OTRAS CARACTERÍSTICAS**

- School Escuela
- Church Iglesia
- Mosque Mezquita
- Synagogue Sinagoga
- Cemetery Cementerio
- Religious Building Edificio religioso
- Well Pozo
- Waterfall Cascada
- Rock Monumento
- Obelisk Obelisco
- Monument Monumento
- Well Pozo
- Waterfall Cascada
- Rock Monumento
- Obelisk Obelisco
- Monument Monumento

**RELIEF - RELIEVE**

- Sand Arena

**TERRAIN ELEVATIONS - ALTITUDES DEL TERRENO**

Spot elevation: Normal, Critical  
Altitud de un punto: Normal, Crítico

**HIGHEST KNOWN ELEVATION IS 1634 FEET AT THE FOLLOWING COORDINATES:**  
MÁXIMA ALTITUD CONOCIDA ES DE 1634 PIES EN LAS SIGUIENTES COORDENADAS:  
Geographic Coordinates: 11°29' S, 70°28' W  
Grid Coordinates: CH4337 CH4337

**VEGETATION - VEGETACIÓN**

- Woods: Scattered tree Bosque: Árboles esparcidos
- Orchard: Scrub Huerto: Matorral

**HYDROGRAPHY - HIDROGRAFÍA**

- Well: Spring Pozo: Manantial
- Swamp: Land subject to inundation Marismas: Terreno sujeto a inundación

**AERODROMES (Military or Civil) - AERODROMOS (Militares o Civiles)**

- Runway pattern known Diseño de pista de aterrizaje conocido
- EDNA: Name Nombre
- 50- Length of longest runway to nearest hundreds of feet Longitud de la pista más larga a las centenas de pies más próximas
- S- Soft or unimproved surface Superficie suelta o no mejorada
- U- Unknown surface Superficie desconocida
- 75- Elevation: Altitud
- Runway pattern unknown Diseño de pista de aterrizaje desconocido

**HELIPORTS/USAF HELIPORTS - HELIPUERTOS/USAF HELIPUERTOS**

**HELIPORTS/USAF HELIPORTS AT HOSPITAL - HELIPUERTOS/USAF HELIPUERTOS EN UN HOSPITAL**

**VISUAL AIDS AND OBSTRUCTIONS - AUXILIOS VISUALES Y OBSTRUCCIONES**

- Obstruction Obstrucción
- Obstruction of obstruction top, above sea level. Altitud de obstrucción punta, sobre el nivel de mar
- Obstruction of obstruction top, above ground level. Altitud de obstrucción punta, sobre el nivel del terreno
- Group obstruction Grupo de obstrucciones
- Radio facility obstruction Obstrucción de facilidades de radio
- Power transmission line Línea de alta tensión

**CAUTION**

Vertical obstructions and obstructions have been extracted from the most reliable sources available. However, there is no assurance that they are exact.

**CAUTION**

AIR INFORMATION CURRENT THROUGH 15 OCTOBER 1992  
Consult NOTAMS and AIP information. Publicaciones de NOTAS de Aeronaves y AIP. Consultar la información de NOTAS de Aeronaves y AIP. Consultar la información de NOTAS de Aeronaves y AIP.

**THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)**

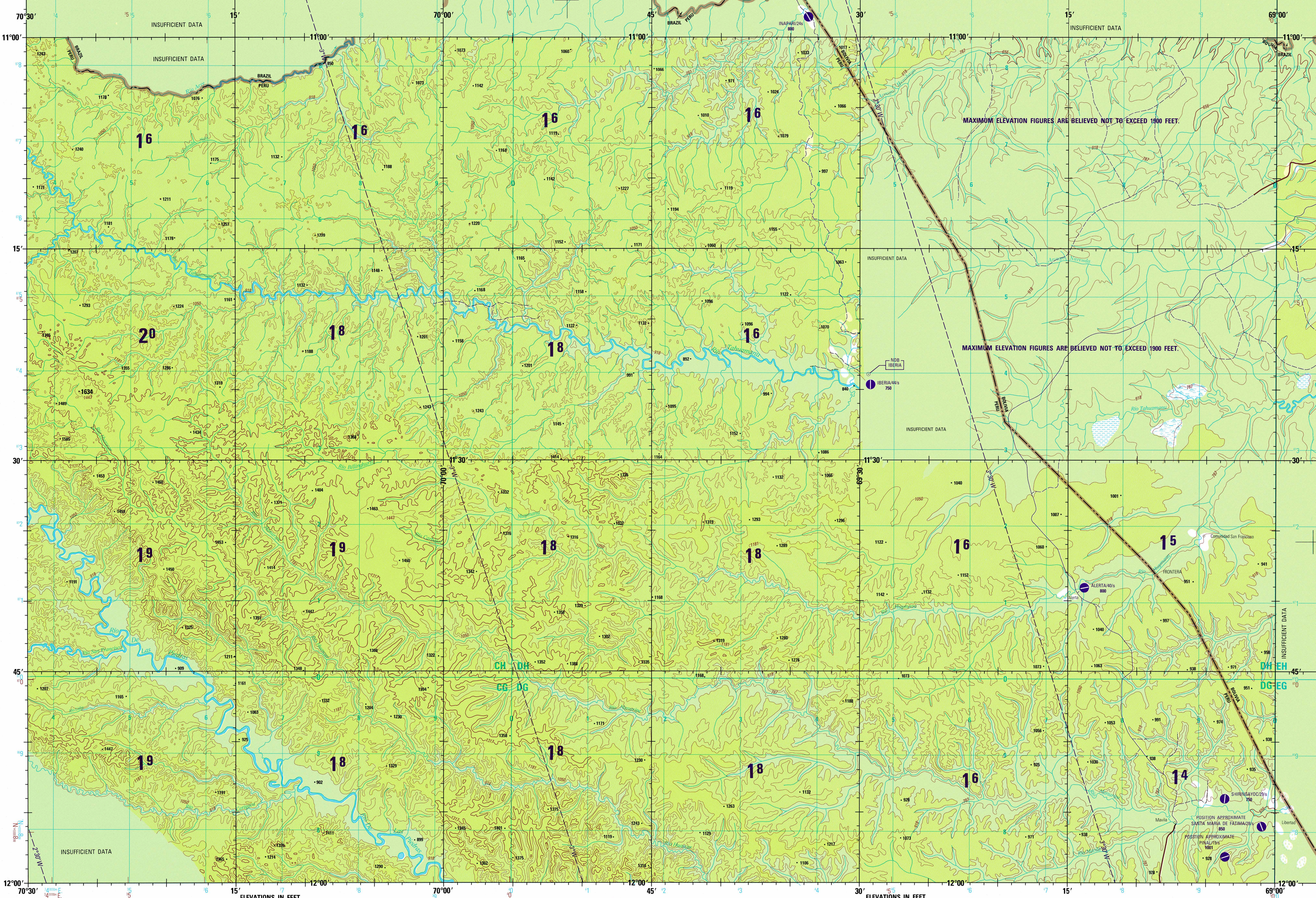
The Maximum Elevation Figures shown in quadrangles bounded by solid lines of latitude and longitude are represented by THICKNESS and NUMBER of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.). In areas of extensive unrelieved relief, the MEF is shown by a note spaced across the area.

EXAMPLE: 12500 feet

**LOCATION DIAGRAM**

INDEX MAP SHOWING IN RED/BROWN

PERU, BRAZIL, BOLIVIA

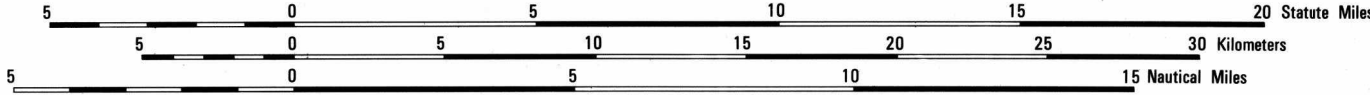


Prepared and published by the Defense Mapping Agency Hydrographic/Topographic Center, Bethesda, MD. Compiled 1992.

ELEVATIONS IN FEET  
ELEVACIÓN EN PIES

**JOINT OPERATIONS GRAPHIC (AIR)**

SCALE 1:250,000



ELEVATIONS IN FEET  
ELEVACIÓN EN PIES

**RELIABILITY OF THIS GRAPHIC**  
Compiled from best available source materials.

Horizontal Datum: World Geodetic System  
Vertical Datum: Mean Sea Level  
Transverse Mercator Projection

**NOTES**  
Powerlines are shown except within populated place tints. Other obstructions are shown if they are 200 feet or more above ground level. See caution note.  
Se muestran las líneas de alta tensión con excepción de dentro de las zonas edificadas (tinte azul). Se muestran otras obstrucciones si están 200 pies o más sobre el nivel del terreno. Ver advertencia.

On this graphic a lane is generally considered as being 2.5 meters (8 feet) in width. En este gráfico se considera que una vía tiene 2.5 metros (8 pies) de ancho.  
**BOUNDARY REPRESENTATION IS NOT NECESSARILY AUTHORITY.**  
LA REPRESENTACIÓN DE LÍMITES NO DEBE CONSIDERARSE OFICIAL.

Approved by NSA 09-04

**SCALE 1:250,000**  
**COMUNIDAD SAN FRANCISCO,**  
**BOLIVIA; PERU; BRAZIL**

SERIES 1501A  
SHEET SC 19-14  
EDITION 1

FEET	METERS	FEET	METERS
1000	305	10000	3048
800	274	8000	2743
600	214	6000	2138
400	153	4000	1533
200	61	2000	610
100	31	1000	305

US ARMY SYMBOL	US ARMY SYMBOL	US ARMY SYMBOL	US ARMY SYMBOL
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L
19L	19L	19L	19L

**CONTOUR INTERVAL APPROXIMATELY 135 FEET**  
**CURVA DE NIVEL 135 PIES APROXIMADOS**

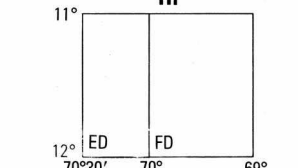
RED NUMBERED LINES INDICATE THE 1000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE IN WORLD GEODETIC SYSTEM ELLIPSOID.  
LAS LINEAS AZULES NUMERADAS INDICAN LA CUADRICULA UTM DE 1000 METROS, ZONA 18, SISTEMA DE SISTEMA GEODETICO MUNDIAL.  
RED BROWN NUMBERED TICKS INDICATE THE 1000 METER UNIVERSAL TRANSVERSE MERCATOR GRID ZONE IN PROVISIONAL SOUTH AMERICAN DATUM AND INTERNATIONAL ELLIPSOID.  
LOS TIRAZOS AZULES NUMERADOS INDICAN LA CUADRICULA UTM DE 1000 METROS, ZONA 18, DATO PROVISIONAL SUDAMERICANO DE 1966, ELIPSOIDE INTERNACIONAL.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NSA OPERATIONAL HELP DESK, 1-800-453-9888, COMMERCIAL 314-353-4866, DDN 353-4864 OR WRITE TO: DIRECTOR, NATIONAL GESPATIAL-INTELLIGENCE AGENCY, ATTN: ES, MAIL STOP L-86, 4800 SANGAMORE ROAD, BETHESDA, MD 20816-5003.  
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**GLOSSARY**

Alineamento (grainado)	approximate alignment	Galpón(es)	large shed(s)	Puesto abandonado	abandoned place
Arroyo	stream	Granja agrícola	agricultural farm	Puesto agro-ganero castañero	rubber processing place and chestnut distribution center
Balsa	barrier	Granja ganadera	cattle farm	Puesto ganadero	rubber processing place
Barraza	barren	Iglesia	church	Puesto ganero	rubber processing place
Cancha de fútbol	baseball field	Iglesia evangélica	evangelical church	Puesto ganero abandonado	abandoned rubber processing place
Capilla	chapel	Laguna	lake, intermittent lake, lagoon	Puesto ganero castañero	chestnut processing place
Compartimiento	compartment	Municipio municipal	municipal slaughterhouse		
Centro ganero	rubber processing place	Motor de luz	power generator		
Centro ganero castañero	rubber and chestnut processing place	Noria	well		
Cercos	fence	Parque	park		
Comunidad	community	Reservorio	reservoir		
Compartimiento	compartment	Solera	distillery		
Curche	swamp	Taller	workshop		
Deposito de almendra	almond grove	Torre	tower		
Escuela	school	Vado	ford		

**GEOREF**  
**BASIC 15° QUADRANGLE**



**ELEVATION TINTS**

1000
800
600
400
200
100
0

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