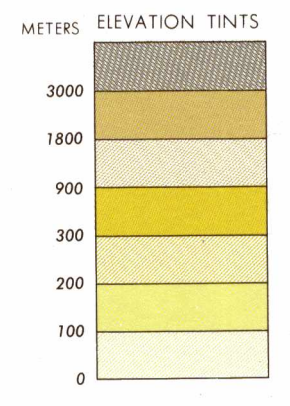


SERIES 1501
SHEET SG 19-2
EDITION 1



RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

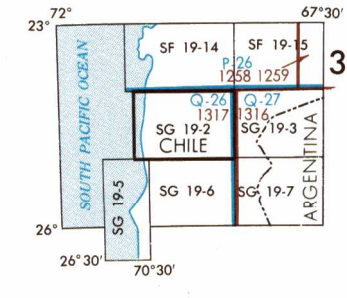
CONFIABILIDAD DE ESTA GRÁFICO
(determinada por prácticas estándar)

Plotting Accuracy 90% Assurance
Exactitud de Copiamiento 90% Confianza

Horizontal	within 50 meters
Horizontal	dentro de 50 metros
Contour	within 20 meters
Curvas de nivel	dentro de 20 metros
Contour hydrography	1973
hidrografía de contornos	1973
All other features	1958-61
Todos otros detalles	1958-61
Recent information verified by reconnaissance during	1969
Información de carreteras verificada por reconocimiento en	1969
Revised by IGM Chile	1975
Revisado por IGM Chile	1975

Horizontal Datum: Provisional South America 1956 Datum
Data Horizontal: El Provisional de 1956 para América del Sur
Vertical Datum: Mean Sea Level
Data Vertical: Nivel Medio del Mar
Transverse Mercator Projection
Proyección Transversal de Mercator

LOCATION DIAGRAM
ONC INDEX SHOWN IN BLUE
IWAC INDEX SHOWN IN RED/BROWN



GLOSSARY—GLOSARIO

abandonada	abandoned
Aguada	water hole
Alto	mountain
Aproximada	approximate
area	area
Caleta	cove
Campamento	camp
Carretera Panamericana	Pan American Highway
Cerro, Cerros	hill(s), mountain(s)
conducha	chullo
Conducto de agua	water pipeline
Cordillera	mountain range
Cuadrilla	shed
dismantado	dismantled
Estación	station
fango	mud
Laguna	lake
Mar	sea
Mineral	mine
Muro	bluff
Oficina	nitrate works
Pampa	plain
Paradero	railroad stop
Península	peninsula
Pique	well
Portezuelo	mountain pass
Potable, potable	potable
Punta	point
Quebrada	stream
Rada	bay
Rio	stream
ruinas	ruins
Salar	salt flat
Sierra	mountain range
Sulfatera	sulfate mine
Tanque de agua	water tank
Teléfono	telegraph

1975 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 4 1/4° (80 MILES) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 3° (50 MILES) EASTERLY FOR THE CENTER OF THE EAST EDGE.

LA DECLINACIÓN MAGNÉTICA EN 1975 DEL NORTE VERDADERO PARA ESTA HOJA VARÍA DE 4 1/4° (80 MILESIAS) ESTE EN EL CENTRO DEL BORDE IZQUIERDO A 3° (50 MILESIAS) ESTE EN EL CENTRO DEL BORDE DERECHO.



Prepared and published by the Defense Mapping Agency
Topographic Center, Washington, D. C. in cooperation
with IGM, Chile. Compiled August 1974.

THIS GRAPHIC SUPERSEDES 1501, SG 19-2

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SERIES 1501
SHEET SG 19-2
EDITION 1

1:250,000 METERS REFERENCE

1	2	3	4
1. Read every 1000 meters from grid line to point.	2. Estimate the distance (1000 meters) from grid line to point.	3. Estimate the distance (1000 meters) from grid line to point.	4. Estimate the distance (1000 meters) from grid line to point.

ROADS CAMINOS

All weather, hard surface	Transitable todo el año, afirmado sólido
Two or more lanes wide	Dois ou mais vias de alcinho
One lane wide	Uma via de alcinho
All weather, loose or light surface	Transitable todo el año, afirmado suelto o ligero
Two or more lanes wide	Dois ou mais vias de alcinho
One lane wide	Uma via de alcinho
Fair or dry weather, loose surface	Transitable en tiempo bueno o seco, afirmado suelto
Cart track	Huellito
Trail (footpath)	Sendero (viveredo)

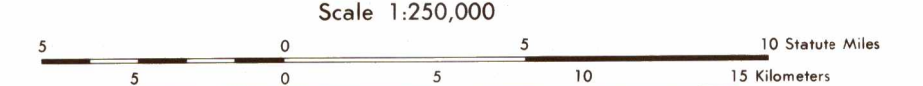
RAILROADS FERROCARRILES

Normal gauge	Normal gauge
Wide gauge	Via ancha o normal
Narrow gauge	Via angosta

BOUNDARIES LÍMITES

International	Internacional
Region	Región
Other features	Otros detalles

ELEVATIONS IN METERS
ALTITUDES EN METROS



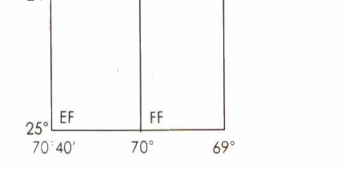
CONTOUR INTERVAL 100 METERS WITH SUPPLEMENTARY CONTOURS AT 50 METER INTERVALS
EQUIDISTANCIA DE LAS CURVAS DE NIVEL 100 METROS CON CURVAS SUPLEMENTARIAS A INTERVALOS DE 50 METROS

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 19, INTERNATIONAL SPHEROID
LAS LINEAS NUMERADAS EN AZUL INDICAN LA CUADRÍCULA UNIVERSAL TRANSVERSAL DE MERCATOR CON ESPACIAMIENTOS DE 10,000 METROS, ZONA 19, ESFEROIDE INTERNACIONAL

TO REFER THIS SHEET TO SOUTH AMERICAN 1959 DATUM ADD 11.7 SECONDS TO THE ABSOLUTE LONGITUDE VALUE AND ADD 47 SECONDS TO THE ABSOLUTE LONGITUDE VALUE. SUBTRACT 332 METERS FROM THE UTM GRID NORTHING VALUE AND SUBTRACT 126 METERS FROM THE UTM GRID EASTING VALUE.
PARA REFERIR ESTA CARTA AL DATUM AMÉRICA DEL SUR 1959, SE SUMA 11.7 SEGUNDOS AL VALOR ABSOLUTO DE LA LONGITUD. SE SUMA 47 SEGUNDOS AL VALOR ABSOLUTO DE LA LONGITUD. SE RESTA 332 METROS DE LA ORDENADA DE CUADRÍCULA AL NORTE. SE RESTA 126 METROS DE LA ABSCISA DE CUADRÍCULA AL ESTE.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-456-0889; COMMERCIAL: 314-265-6032; USN 480-5032; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDD, MAIL STOP P-37, 4600 SANGHVIK ROAD, BETHESDA, MD 20816-5002.

GEOREF
BASIC 15° QUADRANGLE
HE



CONVERSION OF ELEVATIONS

METERS	FEET
1000	3281
2000	6562
3000	9843
4000	13124
5000	16405
6000	19686
7000	22967
8000	26248
9000	29529
10000	32810

ELEVATIONS IN METERS
ALTITUDES EN METROS



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TERRAIN ELEVATIONS ELEVACIONES DEL TERRENO

HIGHEST KNOWN elevation is 4336 meters at 24°45', 69°09' W.	Elevación MAS ALTA CONOCIDA es de 4336 metros ubicada a 24°44'5', 69°09' O.
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NOTES - NOTAS
THIS GRAPHIC IS NOT AN AUTHORITY ON INTERNATIONAL BOUNDARIES.
LA REPRESENTACIÓN DE LOS LÍMITES INTERNACIONALES EN ESTA CARTA NO SE GARANTIZA.
In Chile a lane is generally considered as being 2.5 to 5.0 meters (8 to 16 feet) in width.
En Chile se considera que una vía tiene de 2.5 a 5.0 metros (8 a 16 pies) de ancho.
No obstructions 61 meters or more above ground level are known to exist in this area.
Ningunas obstrucciones de 61 metros o más sobre nivel del terreno se conocen dentro de este área.
Figures along roads indicate approximate distances in kilometers. Las cifras a lo largo de los caminos indican las distancias aproximadas en kilómetros.

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ED. NO. 001