SERIES 1501 AIR
SHEET SA 18-2
EDITION 1

ELEVATION TINTS

	FEET
	660
	330

RELIABILITY OF THIS GRAPHIC
(as determined by standard practices)

I

II

PLOTTING ACCURACY 90° ASSURANCE	AREA I	AREA II
Horizontal	within 425 ft.	Undetermined
Contours	within 165 ft.	Undetermined
GRAPHIC FEATURE	DATE OF INFORMATION	
	AREA I	AREA II
All other features	1984	1987

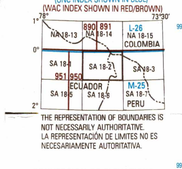
GRAPHIC NOT FIELD CHECKED

Horizontal Datum: World Geodetic System 84
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

GLOSARIO GLOSSARY

Departamento ..... first-order administrative division
Destacamento ..... military post
Edificio ..... building
Isla ..... island
Laguna ..... lake
Límite de Información
Fiable Sobre Relieve ..... Limit of Reliable Relief Information
Límite en litigio ..... bouncary in dispute
Provincia ..... first-order adminstrative division
Quebrada ..... stream
Río ..... stream
Tanque ..... tank
Torre ..... tower

LOCATION DIAGRAM
(ONC INDEX SHOWN IN BLUE)
(WAC INDEX SHOWN IN RED/BROWN)

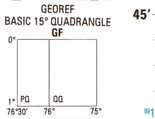


THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHORITATIVE.
LA REPRESENTACIÓN DE LIMITES NO ES NECESARIAMENTE AUTORITATIVA.

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
900	274	9000	2743
800	244	8000	2438
700	213	7000	2134
600	183	6000	1829
500	152	5000	1524
400	122	4000	1219
300	91	3000	914
200	61	2000	610
150	46	1500	457
100	31	1000	305

GEOREF
BASIC 15° QUADRANGLE
GF



CAUTION

AIR INFORMATION CURRENT THROUGH
1 FEBRUARY 1994
Consult NOTAMS and Flight Information Publications for the latest air information: the DMA Aeronautical Chart Updating Manual or MOD (U.K.) Aeronautical Chart Amendment document for other chart revision information.

LINES OF EQUAL MAGNETIC VARIATION FOR 1990
(Annual rate of change 11' increase)

LÍNEAS DE IGUAL VARIACIÓN MAGNÉTICA PARA 1990
(Cambio anual: 11' aumenta)

CAUTION

Vertical obstructions, including powerlines, have been extracted from the most reliable sources available. However, there is no assurance that all are shown, or that their locations or heights are exact.

ATTENTION

THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS 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 unreliable relief, the MEF is shown by a note spaced across the area.
EXAMPLE: 12,500 feet 125

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SCALE 1:250,000
NUEVO ROCAFUERTE,
ECUADOR; PERU; COLOMBIA

SERIES 1501 AIR
SHEET SA 18-2
EDITION 1

Prepared and published by the DMA Aerospace Center, 3200 South Second Street, St. Louis, Missouri 63118-3399. Compiled September 1993.

SAMPLE 10,000 METER GRID SQUARE
(1,000,000 SQUARE METERS)
100,000 M SQUARE IDENTIFICATION
See Body of Map
Ver Interior del Mapa
GRID ZONE DESIGNATION
18M

SAMPLE 1,000 METER REFERENCE
1 Read meters identifying the 100,000 meter square in which the point lies
2 Read large number labeling the VERTICAL grid line left of point
Examples (1,000 meters) from grid line to point
3 Read large number labeling the HORIZONTAL grid line below point
Examples (1,000 meters) from grid line to point
WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION
Example
REFERENCIA DE 1,000 METROS EJEMPLO
1 Lisa los letras que identifican el cuadrado de 100,000 metros dentro del cual se encuentra el punto
2 Lisa la cifra grande correspondiente a la línea VERTICAL de la cuadrícula situada inmediatamente a la izquierda del punto
Ejemplos (1,000 metros) desde la línea meridianda a el punto
3 Lisa la cifra grande correspondiente a la línea HORIZONTAL de la cuadrícula situada inmediatamente debajo del punto
Ejemplos (1,000 metros) desde la línea horizontal a el punto
CUANDO SE HACE REFERENCIA FUERA DEL ÁREA DE LA ZONA DESIGNADA DE CUADRÍCULA DEL CUAL SE ENCUENTRA EL PUNTO IDENTIFÍQUE A LA REFERENCIA ANTEPONIENDO LA DESIGNACIÓN DE LA ZONA DE CUADRÍCULA
Example
18MAB1234

ROADS — CAMINOS
All weather, hard surface
Transitable todo el año, superficie solida
Two or more lanes wide ..... 3 LANES 3 VÍAS
Dos o más vías de ancho
One lane wide
Una vía de ancho
All weather, loose or light surface
Transitable todo al'año, superficie suelta o ligera
Two or more lanes wide ..... 3 LANES 3 VÍAS
Dos o más vías de ancho
One lane wide
Una vía de ancho
Fair or dry weather, loose surface
Transitable en tiempo bueno o seco,
superficie suelta
Cart track Camino de herradura
Trail (footpath) Sendero

RAILROADS — FERROCARRILES
Normal gauge 0.914m (3')
0.914 metros – Via ancha o normal
Narrow gauge
Via angosta
Single track Una vía
Multiple track Vía múltiple

BOUNDARIES — LÍMITES
International Internacional
First-order administrative division División administrativa de primera

VEGETATION — VEGETACIÓN
Woods; Mangrove Bosque; Manglar
Orchard-vineyard; Swamp Huerta-viñedo; Cienaga
Some No Tree
Some No Tree

JOINT OPERATIONS GRAPHIC (AIR)

SCALE 1:250,000

5 0 5 10 Statute Miles
5 0 5 10 15 Kilometers
5 0 5 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 330 FEET
EQUIDISTANCIA APROXIMADA DE LAS CURVAS DE NIVEL 330 PIES

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 18. WORLD GEODETIC SYSTEM ELLIPSOID.
LÍNEAS NUMERADAS EN AZUL INDICAN 10,000 METROS DE LA CUADRÍCULA UNIVERSAL TRANSVERSA DE MERCATOR, ZONA 18. ELIPSOIDE DEL SISTEMA GEODÉSICO MUNDIAL.

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0899; COMMERCIAL 314-260-5032; DSN 490-5032; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CDO, MAIL STOP P-37, 4600 SANGAMORE ROAD, BETHESDA, MD 20816-5003

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ELEVATIONS IN FEET
ELEVACIONES EN PIES

AERODROMES (Military or Civil)
AERODROMES (Militares o civiles)
Runway pattern known EDNA/50/s 725
Configuración de pista conocida
EDNA–Name
EDNA–Nombre del aeródromo
50–Length of longest runway to nearest hundreds of feet
50– Longitud de la pista en la centena de pies más cercana
s–Soft or unimproved surface
s–superficie suelta o no mejorada
u–Unknown surface
u–superficie desconocida
725–Elevation
725–Elevación
Runway pattern unknown
Configuración de pista desconocida
HELIPORT/HELIPAD
HELIPUERTO/PLATAFORMA DE HELIPUERTO
HELIPORT/HELIPAD AT HOSPITAL
HELIPUERTO/PLATAFORMA DE HELIPUERTO UBICADO/A EN UN HOSPITAL

CONTROLLED AIRSPACE
ESPACIO AÉREO CONTROLADO
ADIZ ..... ATLANTIC ADIZ
ADIZ (ZONA DE IDENTIFICACION DE DEFENSA AÉREA)

RADIO FACILITIES
INSTALACIONES DE RADIO
RADIO RANGE LF/MF ..... RNG HURN
RADIOFARO LF/FM
MULTIPLE RADIO FACILITIES ..... NDB-RNG PARIS
INSTALACIONES MÚLTIPLES

RADIO AIDS TO NAVIGATION
RADIOAYUDAS A LA NAVEGACION
VHF OMNI RANGE (VOR)
RADIOFARO OMNIDIRECCIONAL VHF (VOR)
VORTAC
VORTAC
TACAN
TACAN
VOR with DME
VOR Y DME INSTALADOS CONJUNTAMENTE
Other facilities
Otras instalaciones

VISUAL AIDS AND OBSTRUCTIONS
OBSTACULOS Y AYUDAS VISUALES
Obstruction Obstáculo 1033 (350)
1033 –Elevation of obstruction top, above sea level.
Elevación de la cúspide, sobre el nivel medio del mar
(350) –Elevation of obstruction top, above ground level.
Elevación de la cúspide, sobre el nivel del terreno
Group Obstruction Grupo de obstáculos
Radio facility obstruction Obstáculo constituido por una instalación de radio.
Power transmission line Línea de alta tensión
Visual ground sign Señal terrestre visual ..... M
Aero light; Marine light
Luz aeronáutica; Luz marina

TERRAIN ELEVATIONS ELEVACIONES DEL TERRENO
Spot elevation, Normal; Critical 970 1910
Punto acotado. Normal; Crítico
HIGHEST elevation is unknown
Cota MÁXIMA es desconocida

NOTES—NOTAS
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 líneas de alta tensión con la excepción de dentro de los areas en tinta que representan lugares poblados. Se muestran otras obstrucciones si están 200 o más pies sobre el nivel terrestre. Ver Advertencia.
On this graphic a lane is generally considered as being 2.5 to 3.6 meters (8 to 12 feet) in width.
En esta gráfica se considera que el ancho de una pista de carretera es de 2.5 a 3.6 metros (8 a 12 pies).
Caution: Not all telephone and electric service lines are shown.
Précaución. No se muestran todas las líneas telefónicas ni de servicia eléctrica.
Road classification should be referred to with caution.
Se de referir a la clasificación de caminos con cuidado.
THE REPRESENTATION OF BOUNDARIES IS NOT NECESSARILY AUTHORITATIVE.
LA REPRESENTACIÓN DE LÍMITES NO ES NECESARIAMENTE AUTORITATIVA.

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NSN 7641014100343
ED. NO. 001
NIMA REF. NO. 1501ASA1802