

SERIES 1501 AIR
SHEET NI 32-1
EDITION 2-3

POPULATED PLACES LIEUX HABITÉS

Over 100,000 ALGER
50,000 to 100,000 SAFI
10,000 to 50,000 SETTAT
2,000 to 10,000 Tiflet
less than 2,000 Oulmas
Landmark feature Point repère

ROADS ROUTES

3 Lanes
TROIS VOIES

All weather, hard surface, two or more lanes wide
À toute saison, revêtement dur, deux voies ou plus
All weather, loose or light surface, two or more lanes wide
À toute saison, revêtement léger ou à surface meuble, deux voies ou plus
All weather, hard surface, one lane wide
À toute saison, revêtement dur, une voie
All weather, loose or light surface, one lane wide
À toute saison, revêtement léger ou à surface meuble, une voie
Fair or dry weather, loose surface
Par temps sec, à surface meuble
Cart track, footpath, trail
Chemin d'exploitation; Sentier, piste
International, National, Secondary
Internationale; Nationale; Secondaire

RAILROADS CHEMINS DE FER

Normal gauge 1.44m (48.5')
Single track Multiple track
Voie normale Voies multiples

BOUNDARIES LIMITES

International Limite d'État
First order administrative
De division administrative principale

VEGETATION VÉGÉTATION

Woods Bois
Palm trees, Orchards Palmiers; Vergers
Wells, Springs, Pools, Sources
Depth curves Courbes bathymétriques
Wrecks Epaves; Sunkes
Epaves; Submergées
Rocks Roches; Sandbars
Rochers; A fleur de mer; Submergées
Limits of Danger, Reef
Limites de danger; Récif
Wadi Oued
Sahksa Sebksa
Fossiliferous flats Rivages plats

TERRAIN ELEVATIONS ALITUDES DU TERRAIN

HIGHEST KNOWN ELEVATION is 7631 feet at 35°19'N, 4°38'E
Le point culminant connu est 7631 pieds à 35°19'N, 4°38'E
Spot elevations normally critical 1824, 5822
Point coté; normal; critique 1824, 5822
2: following elevation value indicates accuracy is not within 100 feet
2: suivant une valeur d'altitude indique une précision inférieure aux 100 pieds

AERODROMES Military or Civil
AÉRODROMES Militaire ou Civil

EDNA/50A
725

Field limits with runway pattern
Limites du champ d'aviation, avec réseau des pistes
EDNA-Name Désignation
50-length of longest runway to nearest hundreds of feet
Longueur de la piste principale au cent pied près
+Soil or unimproved surface Surface molle ou non aménagée
+Liquorous surface Surface inconnue
725-Elevation Altitude

Field limits with runway pattern unknown
Limites du champ avec réseau des pistes inconnues
Field limits unknown, with runway pattern
Limites du champ inconnues, avec réseau des pistes
Field limits and runway pattern unknown
Limites du champ et réseau des pistes inconnues

SEAPLANE BASE
BASE D'HYDRATIONS
SEAPLANE EMERGENCY
HYDRATION (SECOURS)

HELIPORT HELIPORT
CONTROLLED AIRSPACE
ESPACE AÉRIEN CONTRÔLÉ
ATLANTIC ADZ

VISUAL AIDS AND OBSTRUCTIONS
AIDES VISUELLES ET OBSTACLES

1108
123P

Obstruction Obstacle
1108-Elevation of obstruction top above sea level
Altitude du sommet de l'obstacle au-dessus du niveau de la mer
123P-Elevation of obstruction top above ground level
Hauteur du sommet de l'obstacle au-dessus du niveau du sol
Group obstruction
Obstacle group
Radio facility obstruction
Obstacle d'installations radio
Power transmission line
Ligne de haute tension
Visual ground sign
Signe visuel sur sol
Aero light
Feu aéronautique

CAUTION
AIR INFORMATION CURRENT THROUGH
22 DECEMBER 1977
Consult NOTAMS and Flight Information Publications for the latest air information; the DOD Aeronautical Chart Updating Manual or MOD (U. K.) Aeronautical Chart Amendment document, for other chart revision information.

MAGNETIC VARIATION FOR 1995 IS APPROXIMATELY
0°29'W (MILS) OVER THE ENTIRE AREA
(Annual rate of change is 6' (2mils) decrease)

ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF)
The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are representative of THE HIGHEST AND HIGHEST OF FEET above mean sea level. The MEF is based on information available concerning the highest known features in each quadrangle, including terrain and obstructions (towers, towers, antennas, etc.). In areas of extensive variable relief, the MEF is shown by a note spaced across the area.
EXAMPLE: 12,500 feet 125

LOCATION DIAGRAM
INDEX SHOWN IN BLUE
IWC AREAS SHOWN IN RED/BROWN

NI 31-1	NI 31-2	NI 31-3	NI 31-4	NI 31-5
NI 31-6	NI 31-7	NI 31-8	NI 31-9	NI 31-10
NI 31-11	NI 31-12	NI 31-13	NI 31-14	NI 31-15
NI 31-16	NI 31-17	NI 31-18	NI 31-19	NI 31-20
NI 31-21	NI 31-22	NI 31-23	NI 31-24	NI 31-25
NI 31-26	NI 31-27	NI 31-28	NI 31-29	NI 31-30
NI 31-31	NI 31-32	NI 31-33	NI 31-34	NI 31-35
NI 31-36	NI 31-37	NI 31-38	NI 31-39	NI 31-40

SCALE 1:250,000
BATNA, ALGERIA

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Prepared and published by the Defense Mapping Agency
Topographic Center, Washington, D. C. Compiled
August 1972
UTM Grid (WGS 84 Spheroid) added by Military Survey (UK), September 1994.

CONVERSION OF ELEVATIONS

FEET	METERS	FEET	METERS
1000	305	10000	3048
2000	610	20000	6096
3000	915	30000	9144
4000	1220	40000	12192
5000	1525	50000	15240
6000	1830	60000	18288
7000	2135	70000	21336
8000	2440	80000	24384
9000	2745	90000	27432
10000	3050	100000	30480
11000	3355	110000	33528
12000	3660	120000	36576
13000	3965	130000	39624
14000	4270	140000	42672
15000	4575	150000	45720
16000	4880	160000	48768
17000	5185	170000	51816
18000	5490	180000	54864
19000	5795	190000	57912
20000	6100	200000	60960
21000	6405	210000	64008
22000	6710	220000	67056
23000	7015	230000	70104
24000	7320	240000	73152
25000	7625	250000	76200
26000	7930	260000	79248
27000	8235	270000	82296
28000	8540	280000	85344
29000	8845	290000	88392
30000	9150	300000	91440

ELEVATIONS IN FEET
ALITUDES EN PIEDS

JOINT OPERATIONS GRAPHIC (AIR)
Scale 1:250,000

0 5 10 15 20 25 30 Kilometers
0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL APPROXIMATELY 330 FEET WITH SUPPLEMENTARY CONTOURS AT 165 FOOT INTERVALS
ÉQUIDISTANCE DES COURBES DE NIVEAU 330 PIEDS ENVIRON AVEC DES COURBES INTERCALAIRES DE 165 PIEDS

BLUE NUMBERED TICKS INDICATE THE 10,000 METRE FRENCH LAMBERT GRID, NORTH ALGERIA ZONE, CLARKE 1880 SPHEROID
LES AMORCES CHIFFRÉES EN BLEU CORRESPONDENT AU QUADRILLAGE MYRIAMÉTRIQUE LAMBERT-NORD ALGÉRIE, ELLIPSOÏDE DE CLARKE 1880

PURPLE NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 32, WGS 84 SPHEROID
LES LIGNES CHIFFRÉES EN POURPRE CORRESPONDENT AU QUADRILLAGE MYRIAMÉTRIQUE UTM FUSEAU 32, ELLIPSOÏDE WGS 84

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE MMA CUSTOMER HELP DESK: 1-800-450-0989, COMMERCIAL: 1-214-220-1226, USA 480-1226, OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: CD, 9615 US HIGHWAY, FARMERS, VA 22031-2137.

USE THIS BOX FOR GIVING REFERENCES ON THE NORTH ALGERIA ZONE GRID

TO USE STANDARD REFERENCE ON THIS SHEET TO REVEAL GRID METERS

EXEMPLE: BARRAGE

1. Read sheet number	2. Read the VERTICAL grid line to LEFT of point and note	3. Read the HORIZONTAL grid line above the point	4. Estimate meters from grid line to point
NI 32-1	8	25	8
NI 32-1	8	25	8

WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREPEND THE GRID ZONE DESIGNATION.

EXEMPLE: 32S 825195

CO-ORDINATE CONVERSION LOCAL DATUM (VOIROLI) TO WGS 84
Geographic Decrease 2°; Latitude Decrease 7°5 Longitude

ELEVATIONS IN FEET
ALITUDES EN PIEDS

GEOREF BASIC 15° QUADRANGLE
NJ

RELIABILITY OF THIS GRAPHIC
(as determined by standard practice)

NOTES-NOTES

Only obstructions 200 feet or more above ground level are shown.
Seuls les obstacles de 200 pieds ou plus hors sol sont signalés.
Les renseignements sur les obstacles ne sont pas toujours complets.
CAUTION: Power transmission line information on this sheet is incomplete.
AVIS: Les renseignements de cette carte sur les lignes de transport de force sont incomplets.
A lane is generally considered as being a minimum of 2.5 meters (8 ft.) in width.
Une voie est ordinairement définie comme ayant une largeur minima de 2,5 mètres (8 pieds).
THE REPRESENTATION OF INTERNATIONAL BOUNDARIES ON THIS GRAPHIC IS NOT NECESSARILY AUTHORITATIVE.
LA REPRÉSENTATION DE LIMITES DÉTAT SUR CE GRAPHIQUE N'EST PAS NECESSAIREMENT AUTHORAIRE.

GLOSSARY—GLOSSAIRE

Alm	source	spring	puits
Blad	bled	waste area	colline
Chabot	rutineau	colline	colline
Chabot	colline	colline	colline
Chabot	marécage salé	salt lake	montagne
Djebel	montagne	mountain	rouineau
Faïd	rouineau	depression	colline
Garest	depression	depression	colline
Kifane	colline	colline	colline
Mechta, Mechta	ferme	farm	marécage
Meridja	marécage	farm	puits
Oued	puits	well	rouineau
Oued	rouineau	wadi	plateau
Qute	plateau	plateau	pic
Ras	pic	peak	pic
Rasch	pic	peak	marécage
Sabkhat	marécage	sabkha	

GEOREF BASIC 15° QUADRANGLE
NJ

PLOTTING ACCURACY
CI 90% ASSURANCE

Horizontal	Vertical	AREA I	AREA II
within 170 ft.	within 170 ft.	within 170 ft.	within 170 ft.

GRAPHIC FEATURE DATE OF INFORMATION

Area I	Area II
1988	1988
All other features	1972, 1972

Horizontal Datum: Voiron Datum
Vertical Datum: Mean Sea Level
Transverse Mercator Projection

ELEVATION TINTS

FEET	FEET
10825	6890
	4595
	2625
	985

NSN 7641014101336
NIMA STOCK NO. 1501ANI3201

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USE THIS BOX FOR GIVING REFERENCES ON THE UTM GRID

SAMPLE 10,000 METRE GRID SQUARE

SAMPLE 1,000 METRE REFERENCE

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