



CAUTION
RELIEF DATA
INCOMPLETE
ELEVATIONS
IN FEET
20257

CAUTION - Gradient lines delimited by dashed
contour lines indicate approximate relief only

See legend
CONTOUR
INTERVAL 1000'

ALTITUDE
CONVERSION
SCALE

Meters Feet
For conversions
above 100 feet,
add like number
of ciphers to the
figures on both
sides of scale.

160° (Joins 136) 159° 158° 157° 156° (Joins 136) 155° 154° 153° 152° (Joins 136) 151° (Overlaps 137) 150° 149° (Overlaps 137) 148°

Kilometers 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

Nautical Miles 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300 3400 3500 3600 3700 3800 3900 4000 4100 4200 4300 4400 4500 4600 4700 4800 4900 5000 5100 5200 5300 5400 5500 5600 5700 5800 5900 6000 6100 6200 6300 6400 6500 6600 6700 6800 6900 7000 7100 7200 7300 7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900 10000

AERONAUTICAL SYMBOLS

AERODROMES

LANDPLANE SEAPLANE

AIRPORTS COMPLETE FACILITIES

COMPLETE FACILITIES INCLUDES REFUELING SERVICES, COMPLETE REPAIRS, SHELTER AND WHERE APPLICABLE, PASSENGER OR CARGO SERVICES AND/OR SEAPLANE RAMP WITH MAINTENANCE FACILITIES

AIRFIELDS OR SEAPLANE PORTS - LIMITED FACILITIES

LIMITED FACILITIES INCLUDES REFUELING SERVICES FOR NORMAL TRAFFIC AND LIMITED REPAIR FACILITIES

AERODROME DATA

LANDPLANE	SEAPLANE
73 ELEVATION IN FEET	00 ELEVATION IN FEET (SEA LEVEL)
L MINIMUM LIGHTING	L MINIMUM LIGHTING
H HARD SURFACE RUNWAY	S NORMALLY SHELTERED TAKE OFF AREA
46 LENGTH OF LONGEST RUNWAY TO NEAREST HUNDRED FEET	62 LENGTH OF LONGEST RUNWAY TO NEAREST HUNDRED FEET

GCA SYSTEM - GROUND CONTROL APPROACH SYSTEM, OTHER CONTROLLED APPROACH SYSTEMS BY APPROPRIATE SYMBOL

WHEN SPECIFIC INFORMATION PERTAINS TO A LANDING FACILITY DATA IS LACKING, THE RESPECTIVE CHARACTER WILL BE REPLACED BY A DASH (-)

AIR NAVIGATION LIGHTS

ROTATING LIGHT (WITH FLASHING CODE) FLASHER LIGHT (WITH CODE)

ROTATING LIGHT (WITH FLASHING CODE) OBSTRUCTION LIGHT

ROTATING LIGHT (WITH COURSE LIGHTS) MARINE LIGHT

FLASHING LIGHT LIGHTSHIP

MARINE LIGHT CHARACTERISTICS

Flashed Flashing Occulting Alternating Occurring Broad White Green Blue (U) unanchored SEC sector sea second

Main color lights are red and white unless otherwise indicated. Marine lights are white unless otherwise stated.

RADIO FACILITIES

USE OF THE WORD "RADIO" WITHIN THE BOX INDICATES VOICE FACILITIES

WOODY RADIO 291 AB	RADIO COMMUNICATION STATION (WITHOUT VOICE)	CS MAZAN 5200 WYVW	RADIO COMMUNICATION STATION (WITH VOICE)
WILLOW RANGE 320 KB	RADIO BROADCASTING STATION	RS WOL 600	RADIO BROADCASTING STATION
EVERETT 224	RADIO FAN MARKER BEACON	EVERETT	RADIO FAN MARKER BEACON
MANUFA RADIO 10 VFW	RADIO BEACON, NON-DIRECTIONAL (HOMING)	EASTON	RADIO BEACON, NON-DIRECTIONAL (HOMING)
GOVERN RADIO 4765	REPORTING POINT	BRANT	REPORTING POINT

MISCELLANEOUS

MOORING MAST

DIRECTION BASE

OCEAN STATION VESSEL (OFFICIAL POSITION)

LIGHTED OBSTRUCTION

OBSTRUCTION (NUMERALS IN ITALICS INDICATE ELEVATION ABOVE SEA LEVEL OF TOP. WHERE REQUIRED, HEIGHTS ABOVE GROUND SHALL BE ADDED IN UPRIGHT TYPE WITHIN PARENTHESES)

CIVIL AIRWAY LIMIT OF (TRAFFIC CONTROLLED) (TRAFFIC UNCONTROLLED)

PROHIBITED AREA

DANGER OR RESTRICTED AREA

CAUTION AREA

HIGH EXPLOSIVES AREA (MARKED)

INTERNATIONAL BOUNDARY CLOSED TO PASSAGE OF AIRCRAFT EXCEPT THROUGH AIR CORRIDOR

GROUND TO AIR EMERGENCY CODE DISTRESS SIGNALS

REQUIRE DOCTOR, SERIOUS INJURY	REQUIRE SIGNAL LAMP WITH BATTERY AND RADIO	REQUIRE FUEL AND OIL
REQUIRE MEDICAL SUPPLIES	INDICATE DIRECTION TO PROCEED	ALL WELL
UNABLE TO PROCEED	AM PROCEEDING IN THIS DIRECTION	NO
REQUIRE FOOD AND WATER	WILL ATTEMPT TAKE-OFF	NOT UNDERFOOD
REQUIRE FIREARMS AND AMMUNITION	AIRCRAFT SERIOUSLY DAMAGED	REQUIRE MECHANIC
REQUIRE MAP AND COMPASS	PROBABLY SAFE TO LAND HERE	

INSTRUCTIONS:

- Lay out symbols by using strips of fabric or parachutes, pieces of wood, stones, or any available material.
- Provide as much color contrast as possible between material used for symbols and background against which symbols are exposed.
- Symbols should be at least 10 feet high or larger, if possible. Care should be taken to lay out symbols exactly as shown to avoid confusion with other symbols.
- In addition to using symbols, every effort is to be made to attract attention by means of radio, flares, smoke, or other available means.
- When ground is covered with snow, signals can be made by digging, shoveling or tramping the snow. The depressed areas forming the symbols will appear to be black from the air.
- Pilot should acknowledge message by rocking wings from side to side.

CIVIL CHART SUPPLY

Authorized agents for the sale of aeronautical charts have been appointed at certain airports throughout the United States for the distribution of aeronautical charts. A list of these agents, with the dates of latest prints of charts, will be printed from time to time in Notices to Airmen. This information may also be obtained from the Director, U. S. Coast and Geodetic Survey.

Requests for charts may also be made to the Director, U. S. Coast and Geodetic Survey, Washington 25, D. C., or to authorized dealers.

A discount of 33-1/3% from full published prices is allowed on aeronautical and auxiliary charts amounting to \$10 gross when made in one shipment to one address. Charts are not returnable.

MILITARY CHART SUPPLY

(Ref: AAF Reg. 65-82, dated 26 Apr., 1944)

- Aeronautical charts, maps and publications distributed by Aeronautical Chart Service are indexed or listed in the current edition of the AF "Catalog of Aeronautical Charts and Related Publications." Miscellaneous maps and charts not appearing in the Catalog will be procured and furnished by Aeronautical Chart Service through special order, when sufficiently identified in requisitions as to name or number, scale, projection, and publisher if known.
- Requisitioning.
 - Outside Continental United States:
 - AF activities are to submit requisitions to the supply facility designated by the Theater Commander for maintenance and distribution of aeronautical charts and maps.
 - Theater supply facilities are to submit requisitions for replenishment of stocks of aeronautical charts and maps through channels to Headquarters AF, Aeronautical Chart Service, Washington, D. C.
 - Within Continental United States: Requisitions from AF activities within Continental United States are to be submitted to appropriate Regional Store as shown on Aeronautical Chart Supply System geographic diagram in AF Aeronautical Chart Catalog. Except when emanating from an Air Force, Wing, or Command Headquarters, requisitions are to bear the signature or approval by indorsement of the Base or Station Operations Officer. Quantities of charts and maps requested are to be such as to assure the maintenance of a 30-day supply at all times but not to exceed a 60-day supply.
- Obsolete Charts.
 - Aeronautical charts rendered obsolete-for-air by a revised edition, when not practicable to correct for conformity with new edition, are to be salvaged if feasible, or else destroyed. Disposition by salvage or destruction is to be made in accordance with provisions of AR 380-5.



WORLD AERONAUTICAL CHART INDEX

Scale of Series 1:1,000,000

DRAINAGE FEATURES

SHORE LINES (RELATIVE & UNRELIABLE)	RIVERS & LAKE (NON-PERENNIAL)	LAKES (PERENNIAL & NON-PERENNIAL)
MUD & TIDAL FLATS	RIVERS & STREAMS (UNRELIABLE)	GLACIER
CORAL REEFS & LEDGES	RAPIDS & FALLS	SALT PANS (EVAPORATOR)
SHOALS & SAND BARS	WASH (BLUE AND BROWN)	RICE FIELD
CHARTED ROCK	CANALS	SWAMP
DANGER LINES	ABANDONED CANAL	SPRING
RIVERS & LAKE (PERENNIAL)	DRY LAKE BED (BLUE AND BROWN)	WELL
		Water hole
		Reservoir

RELIEF FEATURES

CONTOURS	SAND DUNES
APPROXIMATE CONTOURS	SAND AREA
HACHURES	SAND RIDGES
BLUFF, CLIFF OR ESCARPMENT	LEVEE OR ESKER
LAVA FLOW	SPOT ELEVATIONS (IN FEET)
	*19234 HIGHEST ELEV ON CHART (IN FEET)

CULTURAL FEATURES

PROMINENT LANDMARKS (WITH APPROPRIATE NOTE)	RAILROAD (SINGLE TRACK)
OIL TANKS	RAILROAD (MULTIPLE TRACKS)
OIL FIELD	RAILROAD (ABANDONED)
MINE	HIGHWAY (DUAL LANE)
LOOKOUT TOWER	HIGHWAY (MAIN ROUTE)
RANGER STATION	HIGHWAY (SECONDARY ROUTE)
COAST GUARD STATION	TRAIL
RACE TRACK OR STADIUM	BRIDGE (HIGHWAY)
	TUNNEL (HIGHWAY)
	DAMS
	PIPE LINE
	BOUNDARY (INTERNATIONAL)
	BOUNDARY (STATE)
	OVERPASS (RAILROAD)
	UNDERPASS (RAILROAD)
	BRIDGE (RAILROAD)
	TUNNEL (RAILROAD)