

CONFIDENTIAL
JICPOA 52-44. APRIL 15, 1944.
GUAM.

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J·I·C·P·O·A

NAVIGATIONAL INFORMATION and ANCHORAGES

TIDAL INFORMATION
TIDES (referred to mean lower low water) PORT APRA
Mean higher high water 2.3 ft.
Mean sea level 1.4 ft.
Lowest tide to be expected -1.0 ft.

RITIDIAN Point Lighthouse

TUMON BAY
Depths unknown; boat passes can be found through reef fringing shore.

AGANA BAY
Very bad anchorage. Usable only in winds between ENE and S.

APRA HARBOR
Principal and only good harbor at GUAM. Enemy refuelling and supply base. Four mooring buoys. 25-500-foot berths for anchorage. Safe except during typhoons.

Breakwater

PITI CHANNEL
Boat passage

Aerial Beacon

Shoals

Entrance

Shoal

OROTE POINT Lighthouse

Location of airfield

AGAT BAY
Good anchorage in NE winds. Reefs make landings difficult

Prominent Peaks

S.J. radar range on GUAM highlands 32,000 yards. 8/43

PORT TALOFOFO. 1/2 mile long by 300 yards wide. Anchorage in 8 fathoms over mud. Shelter in all seasons.

NAVIGATIONAL DANGERS
Many dangerous shoals between Lat. 12°43' and 13°06' N., and Long. 144°16' and 144°43' E. (SW of GUAM).
SANTA ROSA REEF - 30 miles SSW of GUAM. Depth 3 1/2 fathoms.
GALVEZ BANK - 15 miles SW of GUAM

UMATAC BAY
Anchorage in 7 1/2 fathoms over sand. Heavy swell in westerly weather.

PORT INARAJAN
Anchorage for small craft in westerly winds only.

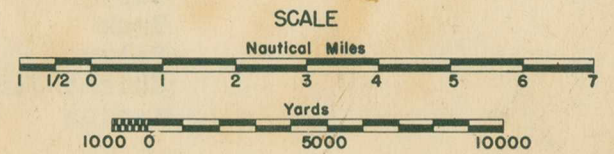
PORT MERIZO
Suitable for boats only.

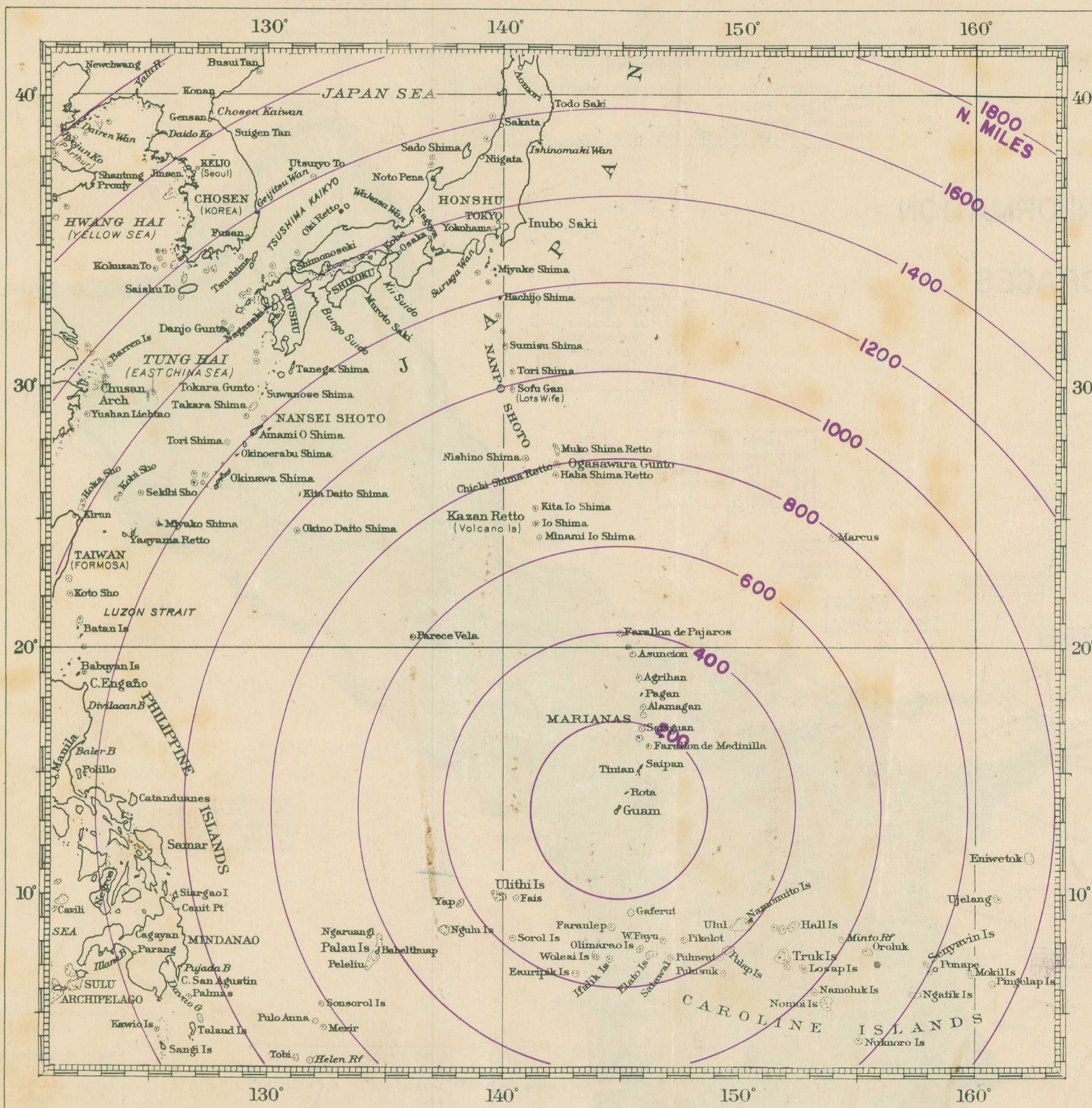
AGFAYAN BAY Anchorage for vessels under 15 foot draft in westerlies only.

PORT AJAYAN
Reef obstructed

GUAM ISLAND

Compiled from British, Spanish and U.S. Hydrographic Charts, and other sources. Soundings in fathoms at mean lower low water. Heights in feet.





Distance Table. Approximate airline distances in nautical miles from GUAM (APRA HARBOR) to:

Enemy Bases		Allied Bases	
Saipan	125	Ponape	885
Pagan	290	Rabaul	1155
Woleai	370	Kusaie	1200
Yap	455	Wake	1315
Truk	565	Tokyo	1350
Palau	705	Manila	1400
Chichi Jima	835	Takao (Formosa)	1515
Marcus	845		
		Eniwetok	1040
		Lae	1220
		Kwajalein (Roi)	1365
		Henderson Field	1655
		Makin	1795
		Tarawa (Betio)	1835
		Midway	2305
		Funafuti	2455
		Pearl Harbor (Hickam)	3338

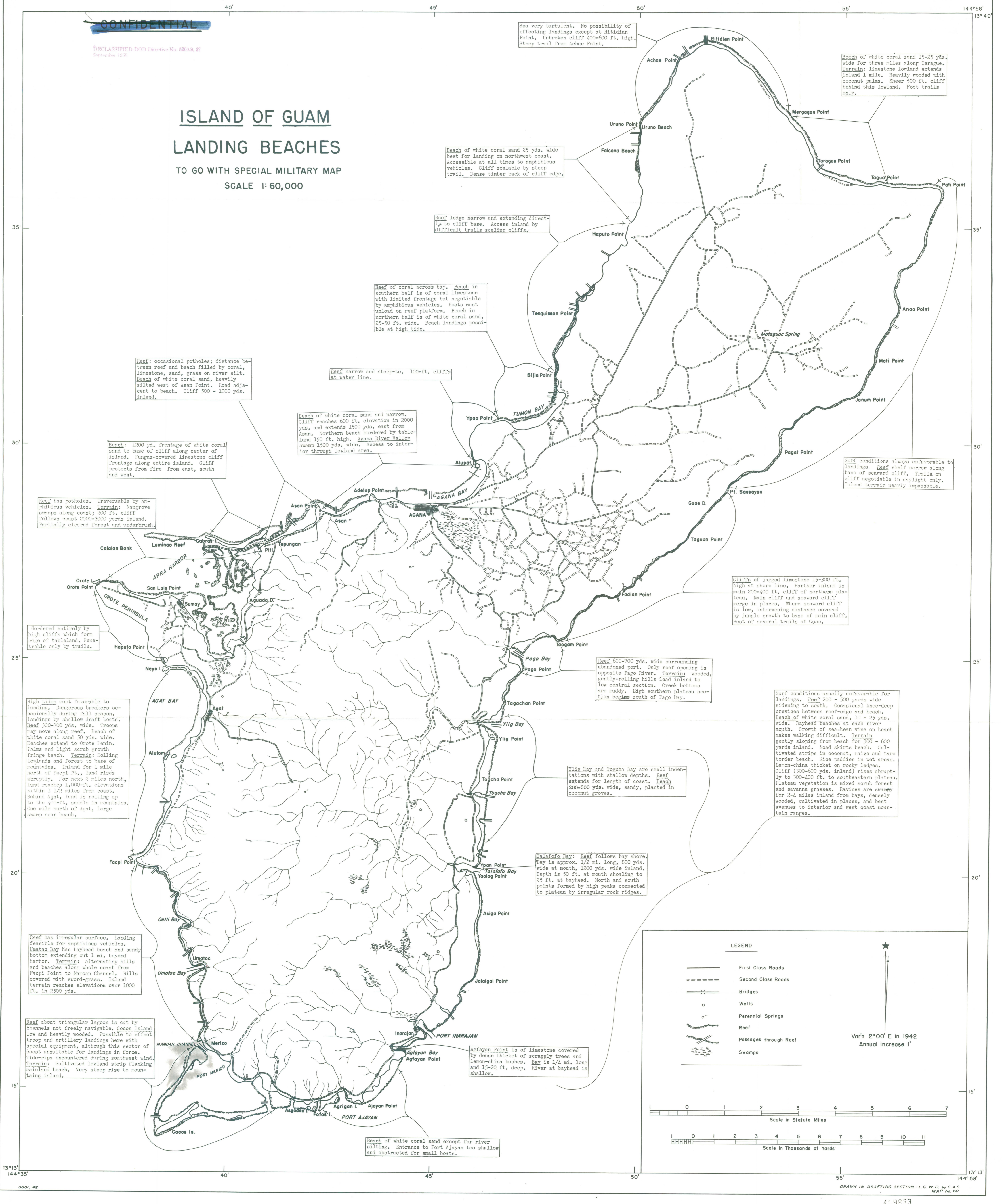
RG 313
CINCPAC/CINCPAC
MARIANAS
GUAM
①

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DECLASSIFIED-DOD Directive No. 5200.9, 27
September 1958

ISLAND OF GUAM LANDING BEACHES

TO GO WITH SPECIAL MILITARY MAP
SCALE 1:60,000



Sea very turbulent. No possibility of effecting landings except at Ritidian Point. Unbroken cliff 400-600 ft. high. Steep trail from Achae Point.

Beach of white coral sand 15-25 yds. wide for three miles along Tarague. Terrain: limestone lowland extends inland 1 mile. Heavily wooded with coconut palms. Sheer 500 ft. cliff behind this lowland. Foot trails only.

Beach of white coral sand 25 yds. wide best for landing on northwest coast. Accessible at all times to amphibious vehicles. Cliff scalable by steep trail. Dense timber back of cliff edge.

Reef ledge narrow and extending directly to cliff base. Access inland by difficult trails scaling cliffs.

Reef of coral across bay. Beach in southern half is of coral limestone with limited frontage but negotiable by amphibious vehicles. Boats must unload on reef platform. Beach in northern half is of white coral sand, 25-50 ft. wide. Beach landings possible at high tide.

Reef: occasional potholes; distance between reef and beach filled by coral, limestone, sand, grass on river silt. Beach of white coral sand, heavily silted west of Asan Point. Road adjacent to beach. Cliff 500 - 1000 yds. inland.

Reef narrow and steep-to. 100-ft. cliffs at water line.

Beach of white coral sand and narrow. Cliff reaches 600 ft. elevation in 2000 yds. and extends 1500 yds. east from Asan. Northern beach bordered by tableland 150 ft. high. Apra River Valley swamp 1500 yds. wide. Access to interior through lowland area.

Beach: 1200 yd. frontage of white coral sand to base of cliff along center of island. Pungus-covered limestone cliff frontage along entire island. Cliff protects from fire from east, south and west.

Reef has potholes. Traversable by amphibious vehicles. Terrain: Mangrove swamps along coast; 200 ft. cliff follows coast 2000-3000 yards inland. Partially cleared forest and underbrush.

Surf conditions always unfavorable to landings. Reef shelf narrow along base of seaward cliff. Trails on cliff negotiable in daylight only. Inland terrain nearly impassable.

Cliffs of jagged limestone 15-300 ft. high at shore line. Farther inland is main 200-400 ft. cliff of northern plateau. Main cliff and seaward cliff merge in places. Where seaward cliff is low, intervening distance covered by jungle growth to base of main cliff. Best of several trails at Gue.

Reef 600-700 yds. wide surrounding abandoned port. Only reef opening is opposite Pago River. Terrain: wooded, gently-rolling hills lead inland to low central section. Creek bottoms are muddy. High southern plateau section begins south of Pago Bay.

Surf conditions usually unfavorable for landings. Reef 200 - 500 yards wide widening to south. Occasional knee-deep crevices between reef-edge and beach. Beach of white coral sand, 10 - 25 yds. wide. Payhead beaches at each river mouth. Growth of sea-been vine on beach makes walking difficult. Terrain: gently sloping from beach for 300 - 600 yards inland. Road skirts beach. Cultivated strips in coconut, maize and taro border beach. Rice paddies in wet areas. Lenon-china thicket on rocky ledges. Cliff (300-600 yds. inland) rises abruptly to 300-400 ft. to southeastern plateau. Plateau vegetation is mixed scrub forest and savanna grasses. Ravines are swamy for 2-4 miles inland from bays, densely wooded, cultivated in places, and best avenues to interior and west coast mountain ranges.

High tides most favorable to landing. Dangerous breakers occasionally during fall season. Landings by shallow draft boats. Reef 300-700 yds. wide. Troops may move along reef. Beach of white coral sand 50 yds. wide. Beaches extend to Orote Penin. Palms and light scrub growth fringe beach. Terrain: rolling lowlands and forest to base of mountains. Inland for 1 mile north of Paepi Pt., land rises abruptly. For next 2 miles north, land reaches 1,000-ft. elevations within 1 1/2 miles from coast. Behind Agat, land is rolling up to the 400-ft. saddle in mountains. One mile north of Agat, large swamp near beach.

Ylig Bay and Tagcha Bay are small indentations with shallow depths. Reef extends for length of coast. Beach 200-500 yds. wide, sandy, planted in coconut groves.

Talafofo Bay: Reef follows bay shore. Bay is approx. 1/2 mi. long, 800 yds. wide at mouth, 1200 yds. wide inland. Depth is 50 ft. at mouth shoaling to 25 ft. at bayhead. North and south points formed by high peaks connected to plateau by irregular rock ridges.

Reef has irregular surface. Landing possible for amphibious vehicles. Umatac Bay has bayhead beach and sandy bottom extending out 1 mi. beyond harbor. Terrain: alternating hills and beaches along whole coast from Paepi Point to Mamon Channel. Hills covered with sword-grass. Inland terrain reaches elevations over 1000 ft. in 2500 yds.

Reef about triangular lagoon is cut by channels not freely navigable. Cocon Island low and heavily wooded. Possible to effect troop and artillery landings here with special equipment, although this sector of coast unsuitable for landings in force. Tide-rips encountered during southwest wind. Terrain: cultivated lowland strip flanking mainland beach. Very steep rise to mountains inland.

Agfayan Point is of limestone covered by dense thicket of scraggly trees and lenon-china bushes. Bay is 1/4 mi. long and 15-20 ft. deep. River at bayhead is shallow.

Beach of white coral sand except for river silt. Entrance to Port Ajayan too shallow and obstructed for small boats.

LEGEND

- ==== First Class Roads
- ===== Second Class Roads
- X- Bridges
- o Wells
- o Perennial Springs
- - - Reef
- - - Passages through Reef
- Swamps

Var'n 2°00' E in 1942
Annual increase 1'

Scale in Statute Miles

Scale in Thousands of Yards

LEGEND

- Completed Road
- Unsurfaced Road
- Trails
- Cleared and Graded Right of Way
- Projected Road (Possibly Completed by Japs)

SPECIAL AIR AND GUNNERY TARGET MAP
SHEET 5 OF 11 SHEETS SCALE 1:20,000

APPROVED: R. K. TURNER, VICE ADMIRAL, USN
COMMANDER 5TH AMPHIBIOUS FORCE

INSTRUCTIONS

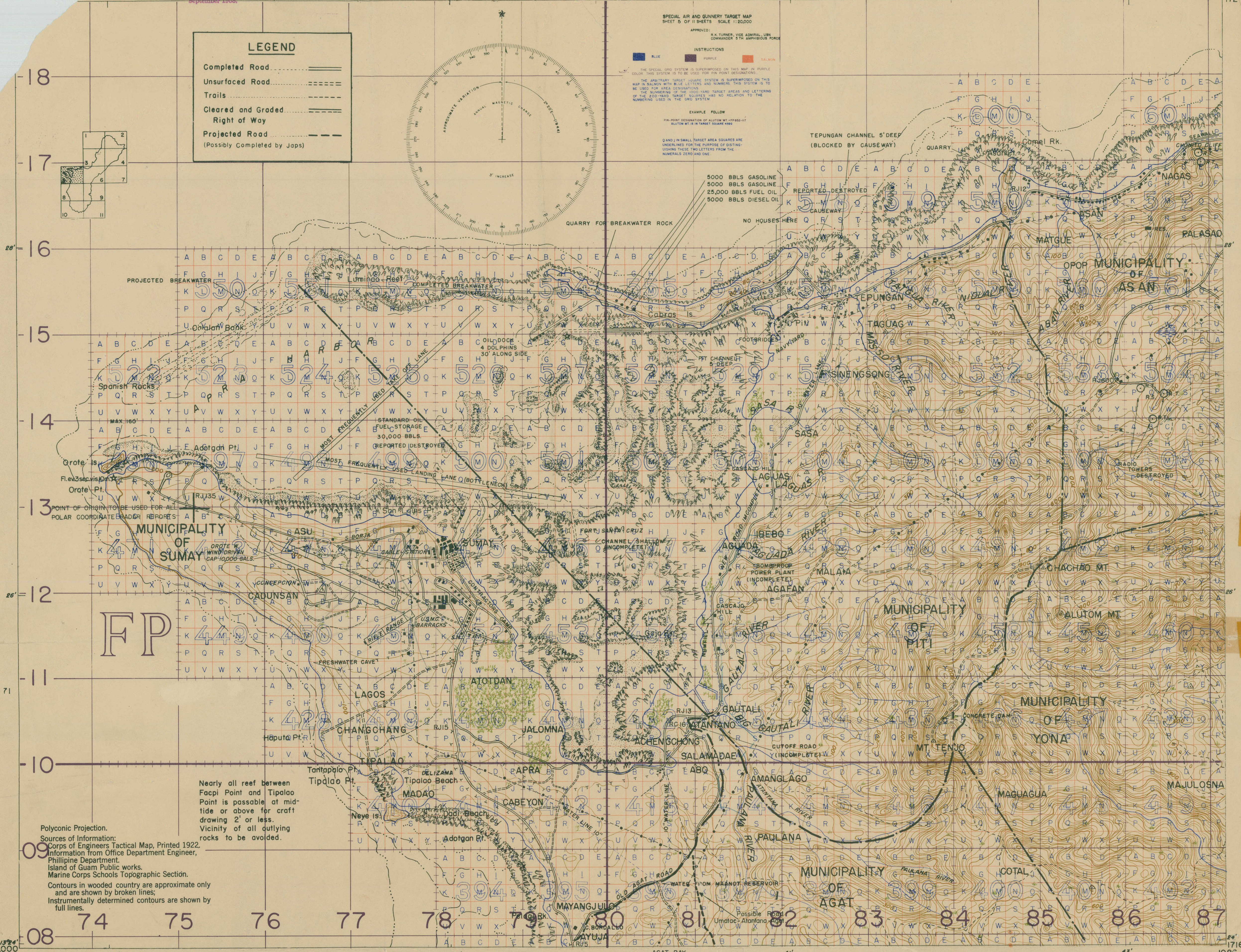
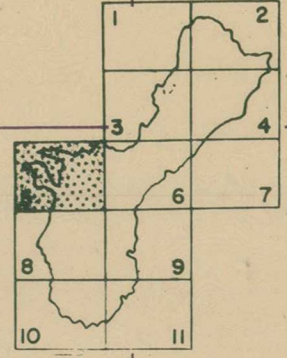
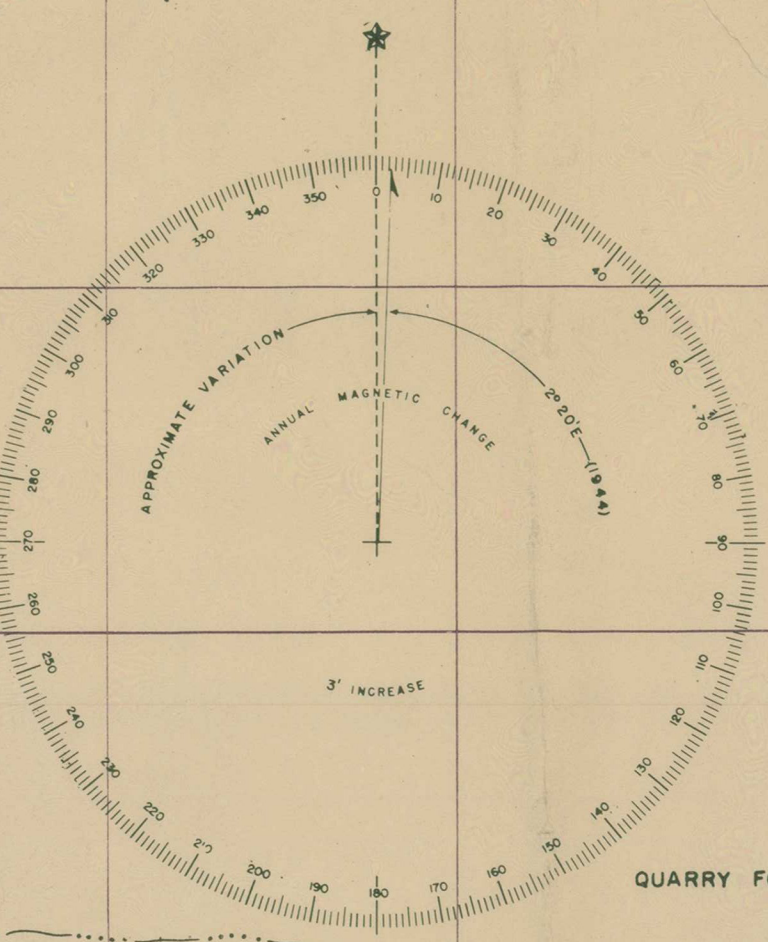
- BLUE
- PURPLE
- SALMON

THE SPECIAL GRID SYSTEM IS SUPERIMPOSED ON THIS MAP IN PURPLE COLOR. THIS SYSTEM IS TO BE USED FOR PIN POINT DESIGNATIONS. THE AIR GUNNERY TARGET SQUARE SYSTEM IS SUPERIMPOSED ON THIS MAP IN SALMON WITH BLUE LETTERS AND NUMBERS. THIS SYSTEM IS TO BE USED FOR AREA DESIGNATIONS. THE NUMBERING OF THE 100-YARD TARGET AREAS AND LETTERING OF THE 200-YARD TARGET SQUARES HAS NO RELATION TO THE NUMBERING USED IN THE GRID SYSTEM.

EXAMPLE FOLLOW

PIN-POINT DESIGNATION OF ALUTOM MT. (P. 1620-17)
ALUTOM MT. IS IN TARGET SQUARE 4500

Q AND I IN SMALL TARGET AREA SQUARES ARE UNDERLINED FOR THE PURPOSE OF DISTINGUISHING THESE TWO LETTERS FROM THE NUMERALS ZERO AND ONE.

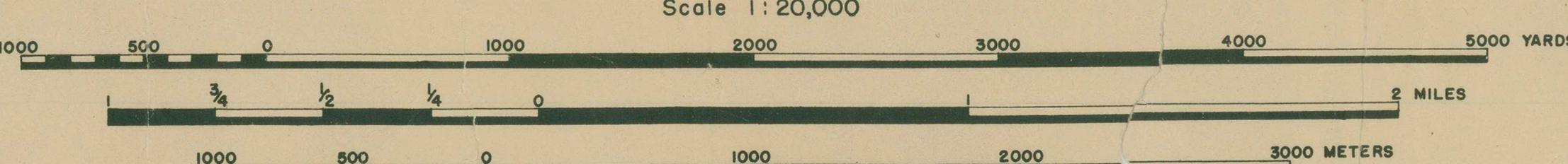


Nearly all reef between Facpi Point and Tupalao Point is passable at mid-tide or above for craft drawing 2' or less. Vicinity of all outlying rocks to be avoided.

Polyconic Projection.
Sources of Information:
Corps of Engineers Tactical Map, Printed 1922.
Information from Office Department Engineer, Philippine Department.
Island of Guam Public Works.
Marine Corps Schools Topographic Section.

Contours in wooded country are approximate only and are shown by broken lines; instrumentally determined contours are shown by full lines.

1,716,000
1,072,000
R.D. 825-23



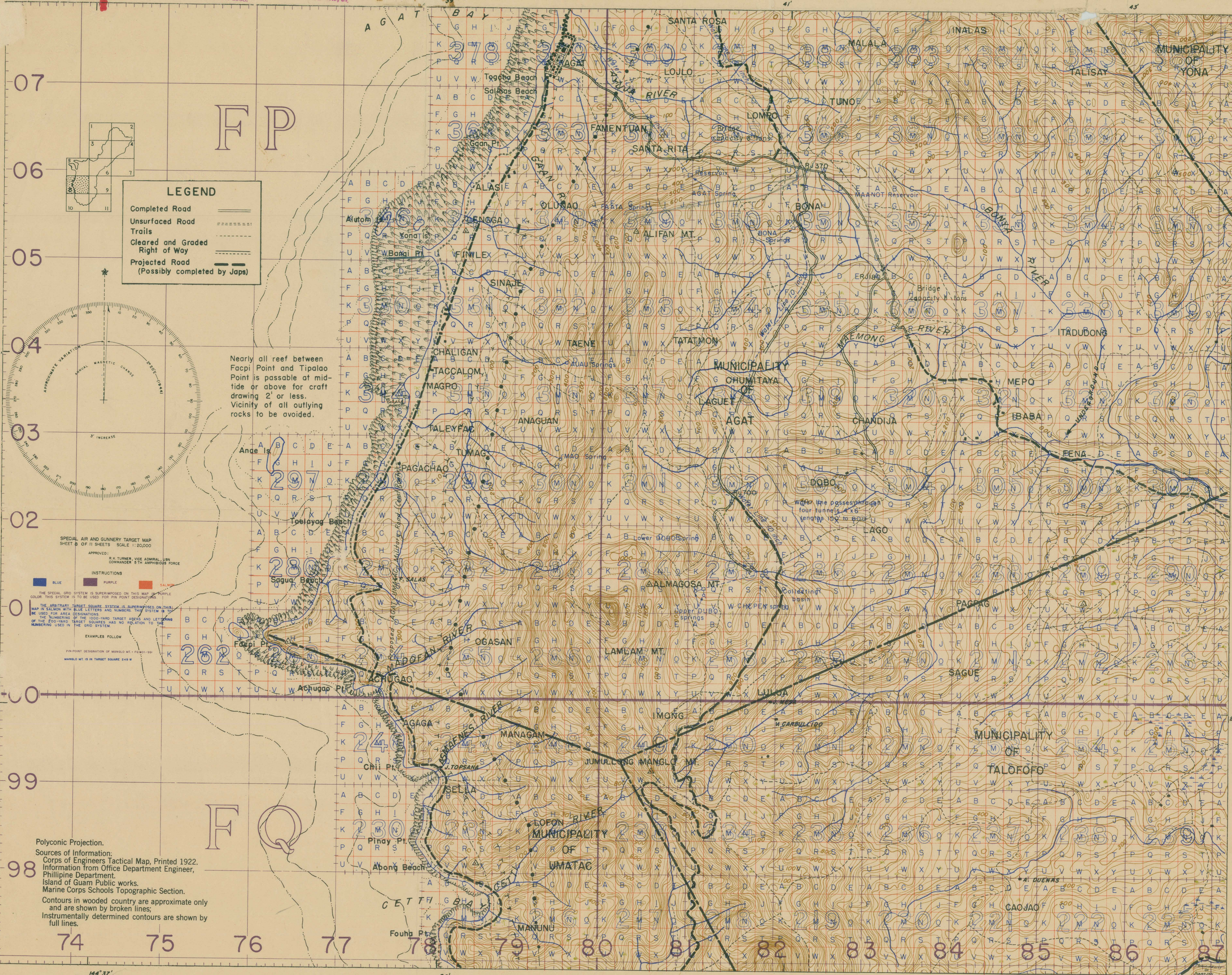
CORRECTIONS MADE
UP TO JANUARY 1st, 1942

REPRINTED BY
THE ENGINEER MAP REPRODUCTION PLANT
L'SAFICPA



REVISED BY 64TH EN
USAFICPA, APRIL 1944

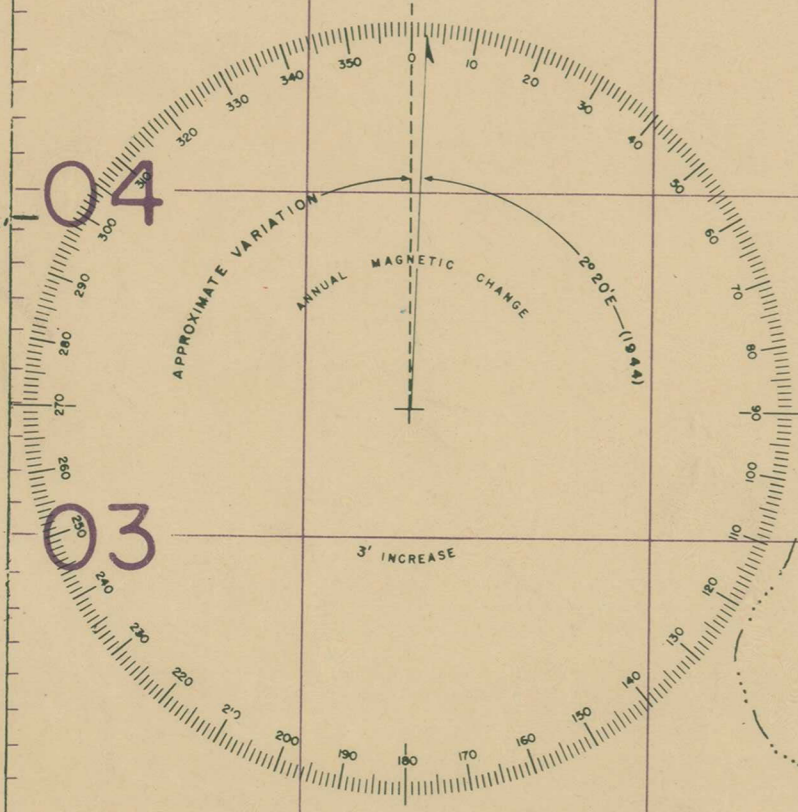
DECLASSIFIED-DOD Directive No. 5200.9, 27 September 1958.



LEGEND

- Completed Road
- Unsurfaced Road
- Trails
- Cleared and Graded Right of Way
- Projected Road (Possibly completed by Japs)

Nearly all reef between Facpi Point and Tipalao Point is passable at mid-tide or above for craft drawing 2' or less. Vicinity of all outlying rocks to be avoided.



SPECIAL AIR AND GUNNERY TARGET MAP SHEET B OF 11 SHEETS SCALE 1:20,000

APPROVED: R.K. TURNER, VICE ADMIRAL, USN COMMANDER 5TH AMPHIBIOUS FORCE

INSTRUCTIONS

- BLUE
- PURPLE
- SALMON

THE SPECIAL GRID SYSTEM IS SUPERIMPOSED ON THIS MAP IN PURPLE COLOR. THIS SYSTEM IS TO BE USED FOR PIN POINT DESIGNATIONS.

THE ARBITRARY TARGET SQUARE SYSTEM IS SUPERIMPOSED ON THIS MAP IN SALMON WITH BLUE LETTERS AND NUMBERS. THIS SYSTEM IS TO BE USED FOR AREA DESIGNATIONS.

THE NUMBERING OF THE 200-YARD TARGET SQUARES HAS NO RELATION TO THE NUMBERING USED IN THE GRID SYSTEM.

EXAMPLES FOLLOW

PINPOINT DESIGNATION OF MANUJO MT. (FOOTPRINT): MANUJO MT IS IN TARGET SQUARE C49 W

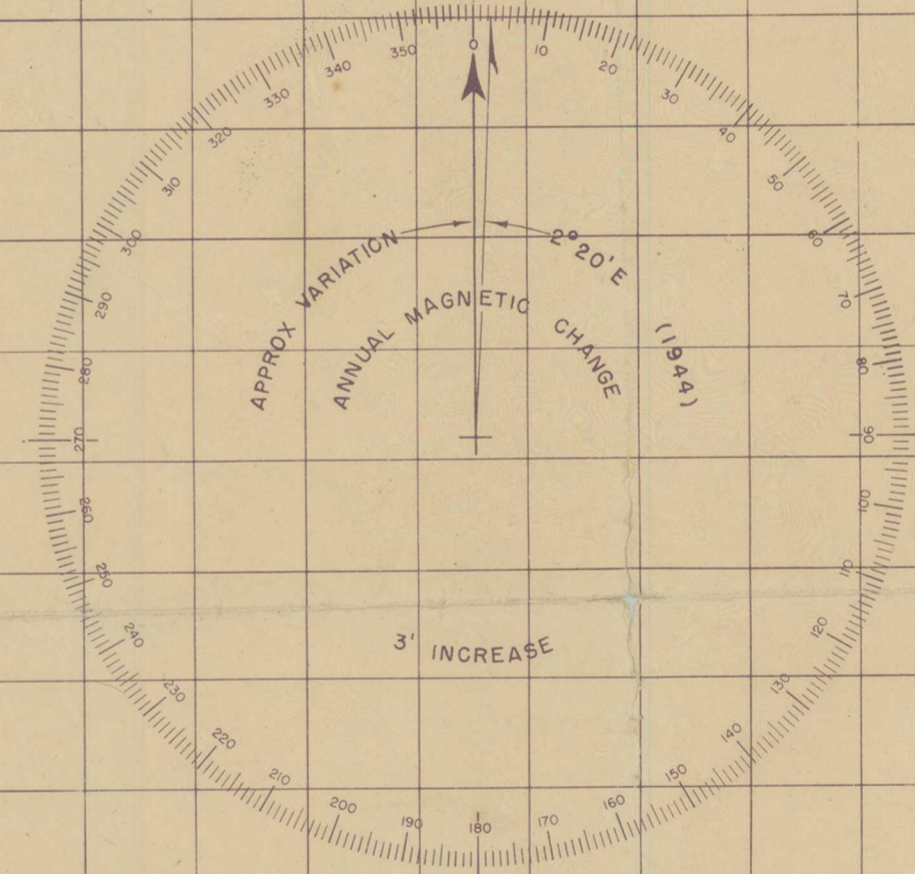
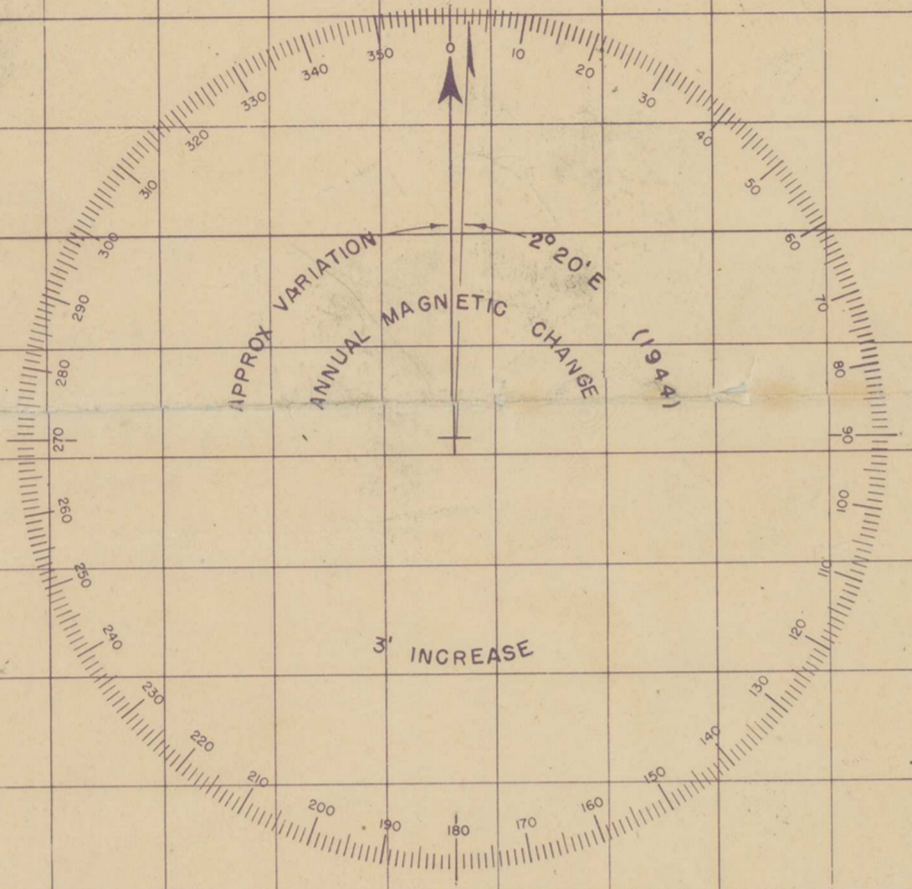
Polyconic Projection.

Sources of Information:
Corps of Engineers Tactical Map, Printed 1922.
Information from Office Department Engineer, Philippine Department.
Island of Guam Public Works.
Marine Corps Schools Topographic Section.

Contours in wooded country are approximate only and are shown by broken lines; Instrumentally determined contours are shown by full lines.

ADVANCE COPY

THE ABOVE POINT IS DESIGNATED FP 953-376



FP

GP

FQ

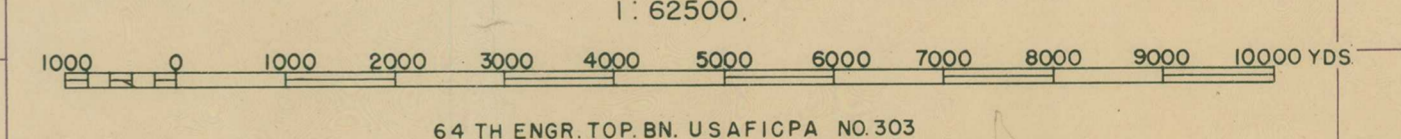
GQ

DECLASSIFIED-DOD Directive No. 6200.9, 47
September 1995

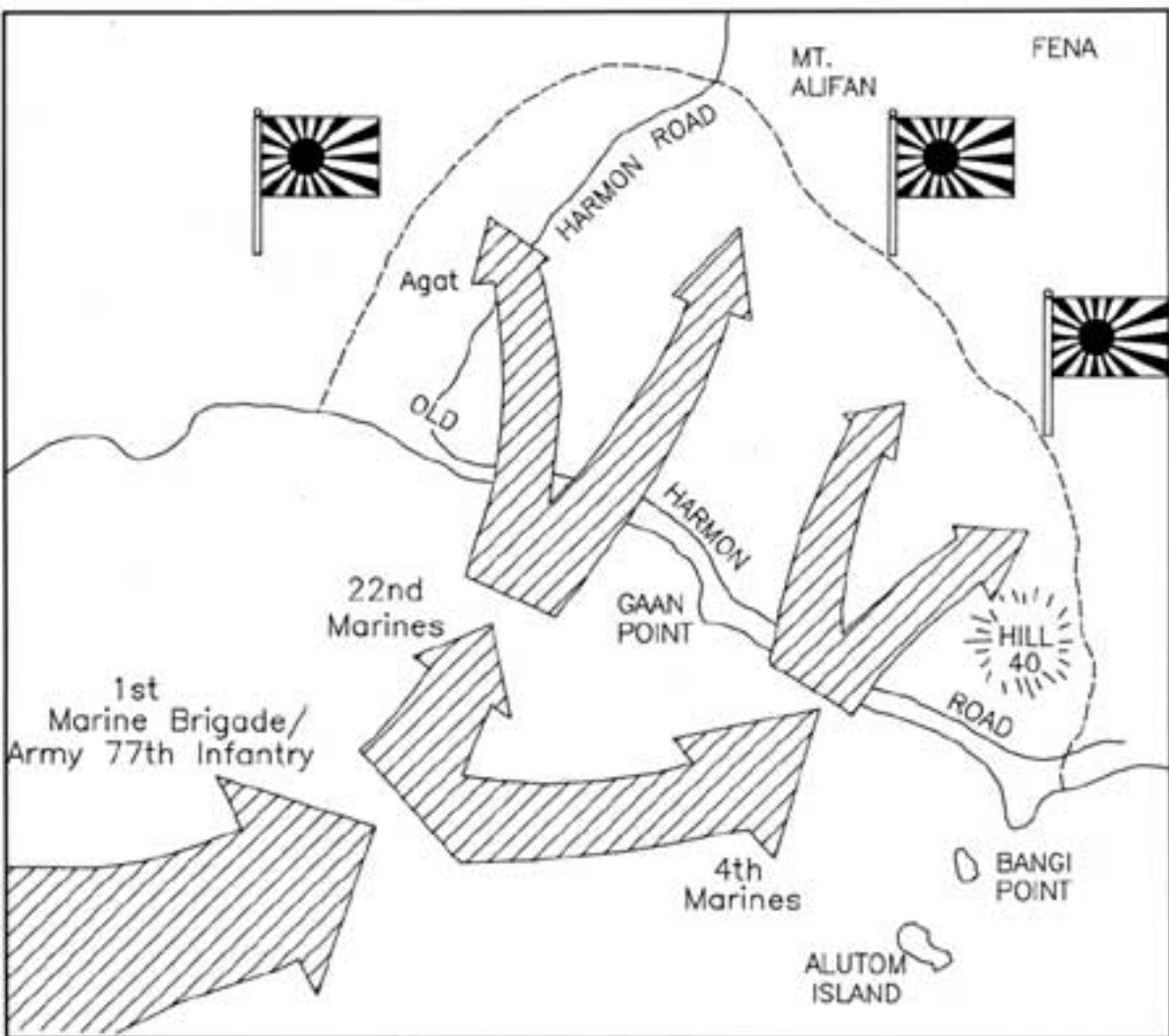
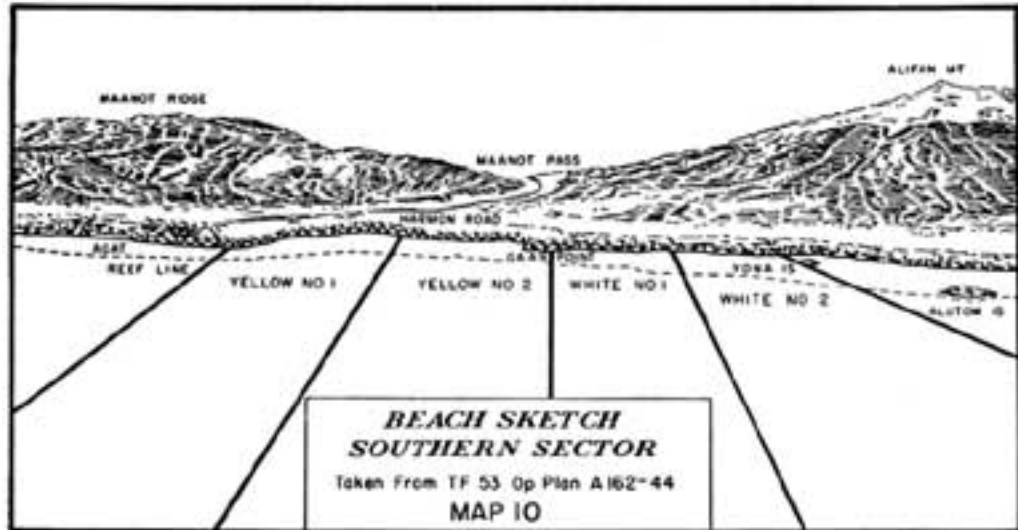
~~CONFIDENTIAL~~
THIS CLASSIFICATION WILL BE CHANGED TO RESTRICTED IN COMBAT AREA

ISLAND OF GUAM

PREPARED UNDER THE DIRECTION OF THE ENGINEER, C.P.A. FOR JICPOA
REDUCED AND COMPILED BY 64TH ENGR. TOP. BN., USAFICPA, APRIL 1944
FROM MAPS, ISLAND OF GUAM, 1:20000. REVISED JAN. 1942
BY MARINE CORPS SCHOOL TOP. SEC.
SOUNDINGS IN FATHOMS FROM H.O. CHARTS 1850, 2186 & 4202
CONTOUR INTERVAL 100 FEET
SCALE
1:62500



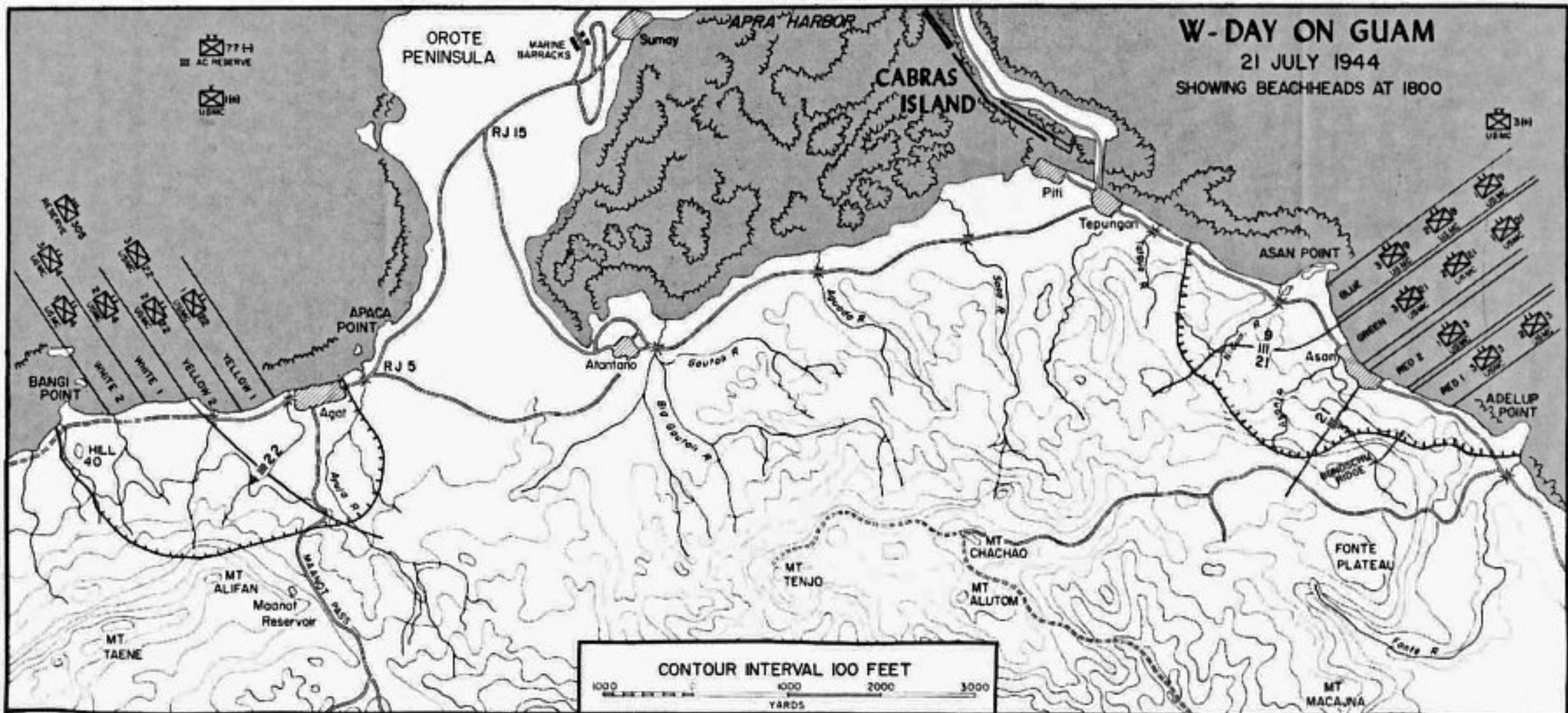
64TH ENGR. TOP. BN., USAFICPA NO. 303
REVISIONS MAY 1944 FROM V-3 SORTIES APRIL 1944



W- DAY ON GUAM

21 JULY 1944

SHOWING BEACHHEADS AT 1800





144° 40'

144° 45'

PREFERRED PLAN OF ATTACK ON GUAM

III Amphibious Corps

 FINAL BEACH LINE
 ENEMY DEFENCE AREAS

1000 0 1 2
 YARDS MILES

XX
 3 MARINE

Asan Pt.

Adelup Pt.

Agaña

APRA HARBOR

Orote Peninsula

Mt. Alutom

Mt. Tenjo

XX
 77
 CORPS RESERVE

III
 305 CT

X
 1 PROV
 MARINE (+)

Bangi Pt.

Mt. Alifan

Faci Pt.

GUAM
 ISLAND

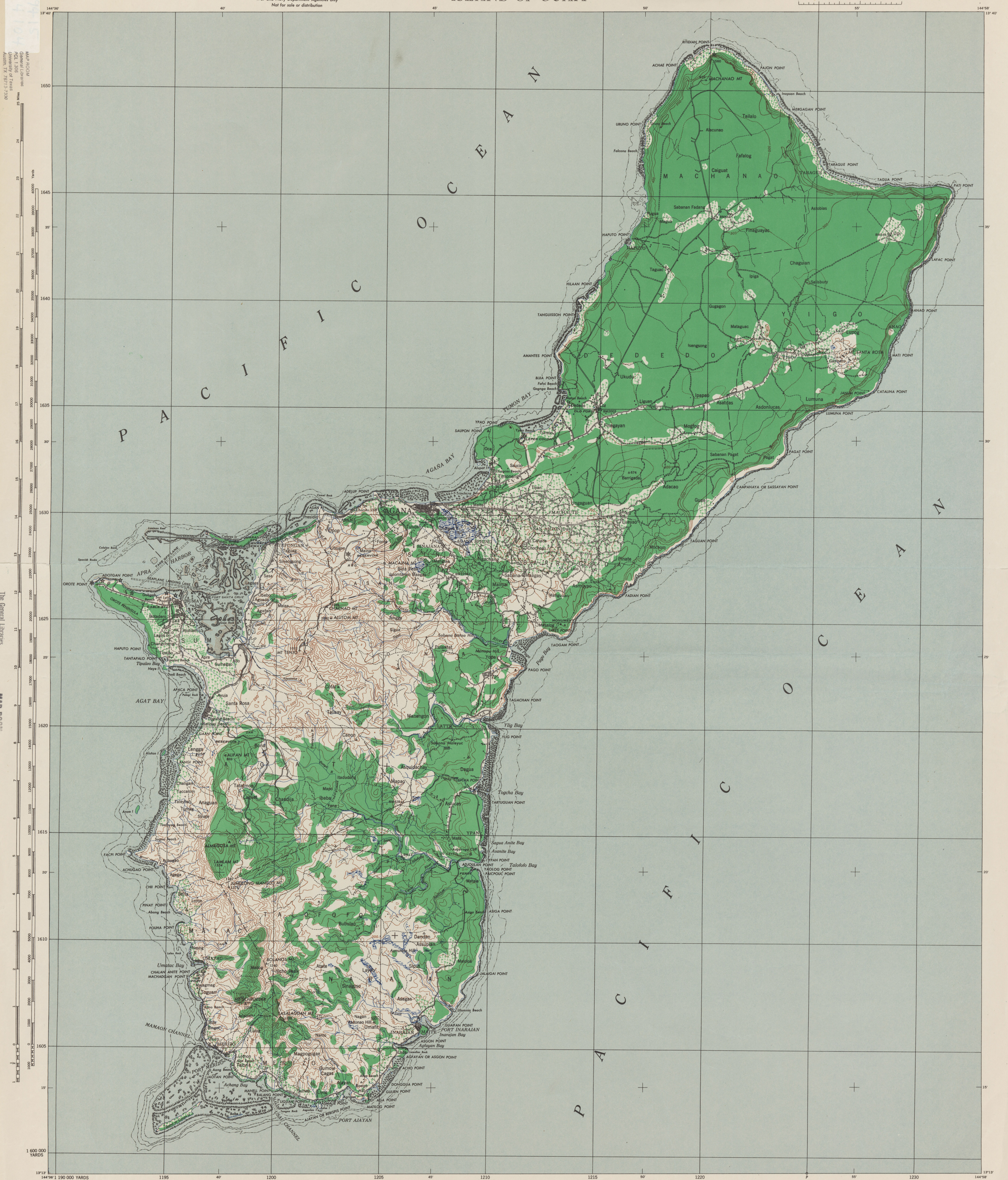
144° 40'

13° 25'

13° 30'

3° 25'

3° 30'



The General Libraries
The University of Texas at Austin
MAP ROOM

1:62,500
A.M.S. 7942
First Edition (AMS 1) 1922
Second Edition (AMS 3) 1944
Prepared under the direction of the Chief of Engineers, U.S. Army, by the Army Map Service (AMS), U.S. Army, Washington, D.C., 1944.
Original from Island of Guam, 1:62,500 U.S. Army 1922.
U.S. & U.S. Navy 1:62,500 1944
Map of Guam Island 1:50,000 from W. D. Survey of Guam 1943.
Special Military Map of Guam 1:50,000 U.S. Army, 1922 (corrected to 1940).
Correction copy of Island of Guam 1:62,500 AMS 1942.
U.S. Army Map of Guam 1:250,000 11 sheets (corrected to 1942).
Intelligence Data.
Polyconic Projection.

LEGEND

Surfaced roads —————
Dirt roads—unsurfaced, cleared or graded. - - - - -
Trail - - - - -
Municipality boundary - - - - -
Radio station — RS O
Auxiliary landing field — A L F
Navigation light — *
Water pipeline — — — — —
Telephone or Telegraph lines — — — — —
District Name —————
Lumuna

3 fathom line - - - - -
5 fathom line - - - - -
10 fathom line - - - - -
20 fathom line - - - - -
50 fathom line - - - - -

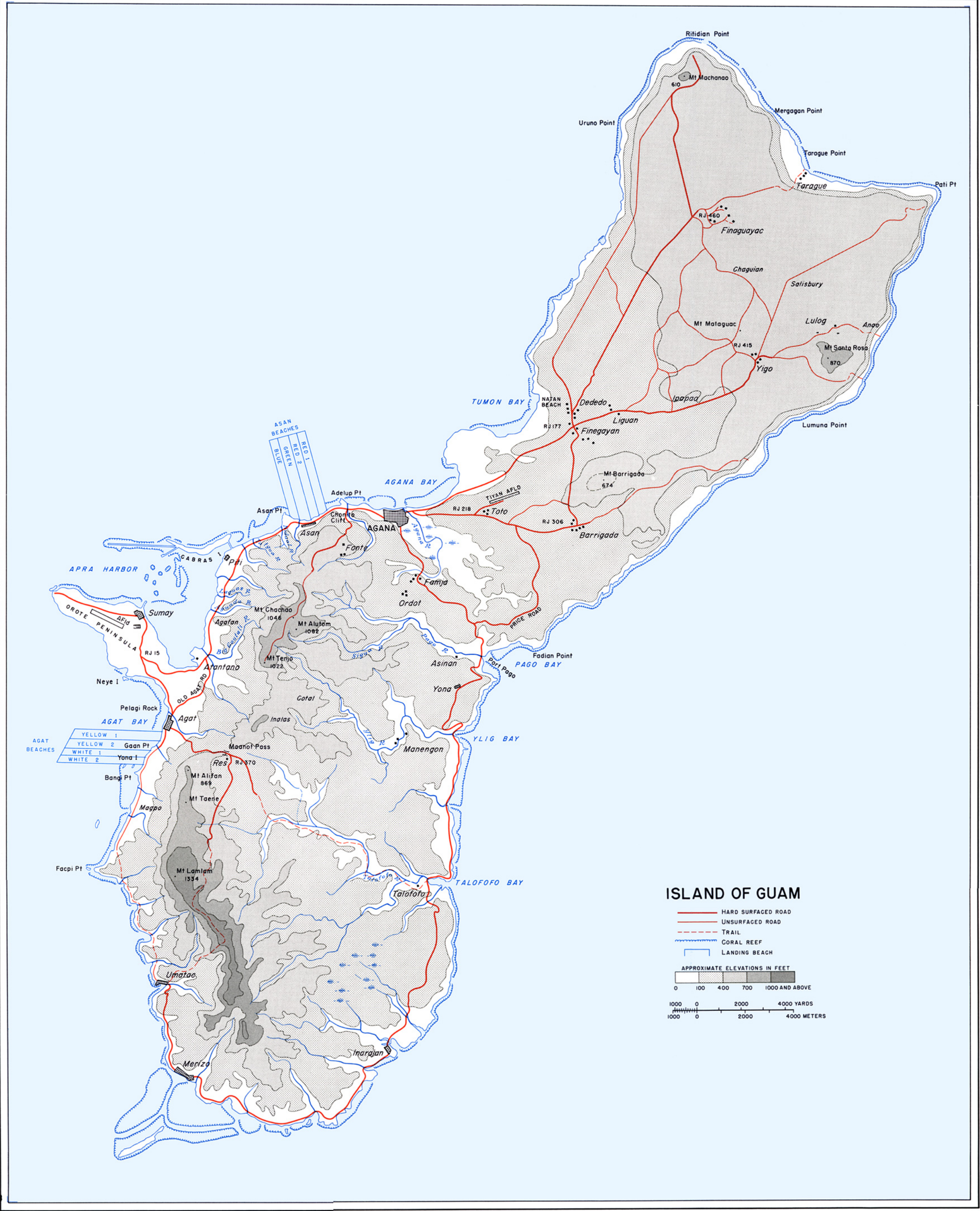
Scale 1:62,500
1 0 1 2 3 Miles
1000 0 1000 2000 3000 4000 5000 Yards

CONTOUR INTERVAL 100 FEET
DATUM IS M.L.L.W.
FIVE THOUSAND YARD WORLD POLYCONIC GRID, BAND III, ZONE "A"
THE LAST THREE FIGURES OF THE GRID COORDINATES ARE OMITTED
NOTE: OFFERS OTHER THAN THIS WILL BE DEEMED OBSOLETE AND HANDLING WHICH ONE TO READ ATTENTION AND WILL BE LEFT TO THE ARMY MAP SERVICE, WASHINGTON, D. C.

HEIGHTS IN FEET

APPROXIMATE BEAN REGULATION 1944
NO ANNUAL RESURVEY CHANGE

The diagram only to which connected surface.
To determine magnetic north line, connect the point point "P" on the north edge of the map with the center of the circle. Between GRID NORTH and MAGNETIC NORTH, as printed on the degree scale of the north edge of the map.

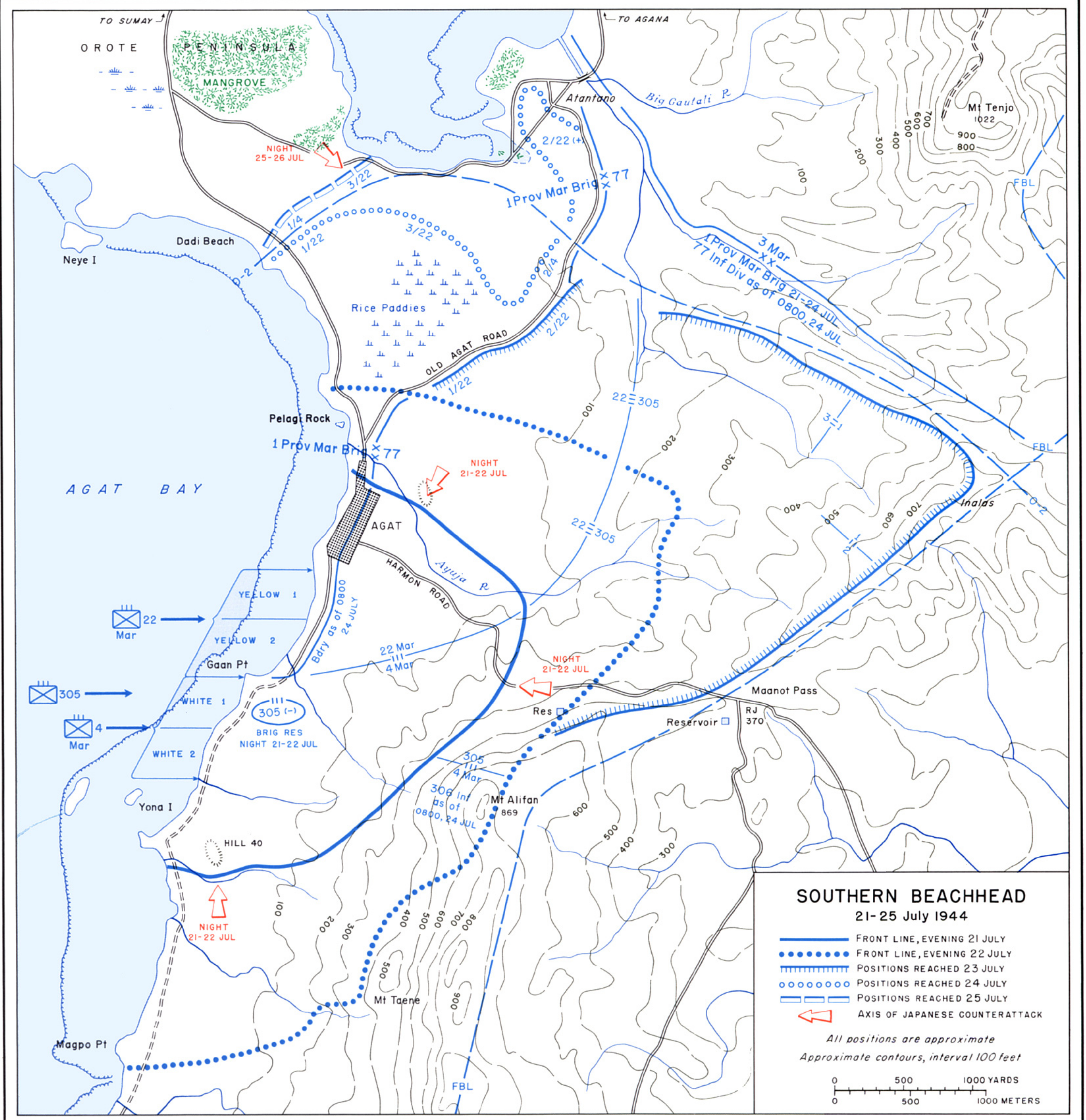


ISLAND OF GUAM

——— HARD SURFACED ROAD
 - - - UNSURFACED ROAD
 - - - TRAIL
 - - - CORAL REEF
 - - - LANDING BEACH

APPROXIMATE ELEVATIONS IN FEET
 0 100 400 700 1000 AND ABOVE

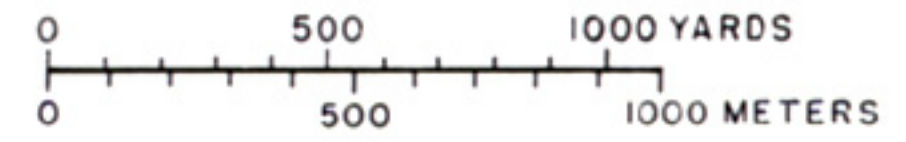
1000 0 2000 4000 YARDS
 1000 0 2000 4000 METERS



SOUTHERN BEACHHEAD
21-25 July 1944

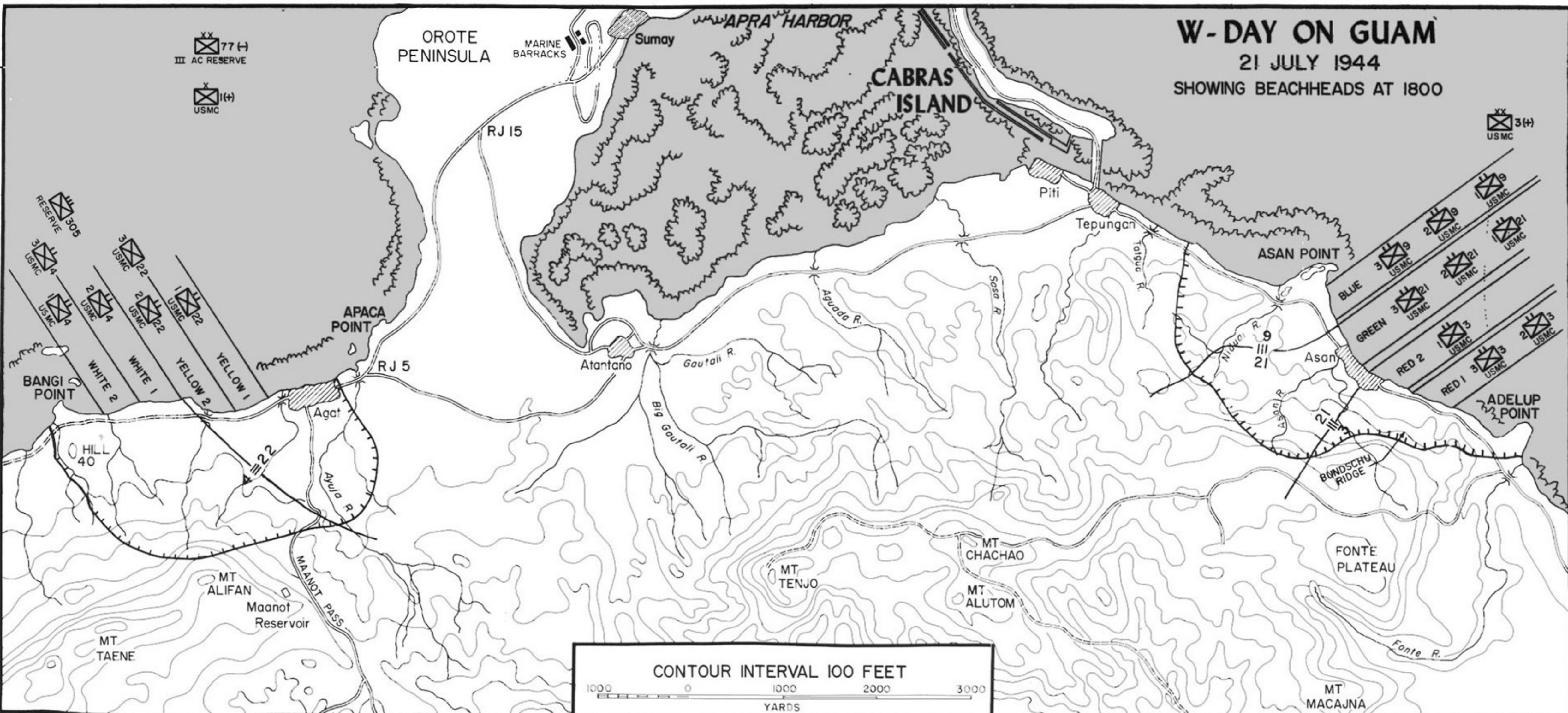
- FRONT LINE, EVENING 21 JULY
- FRONT LINE, EVENING 22 JULY
- POSITIONS REACHED 23 JULY
- POSITIONS REACHED 24 JULY
- POSITIONS REACHED 25 JULY
- AXIS OF JAPANESE COUNTERATTACK

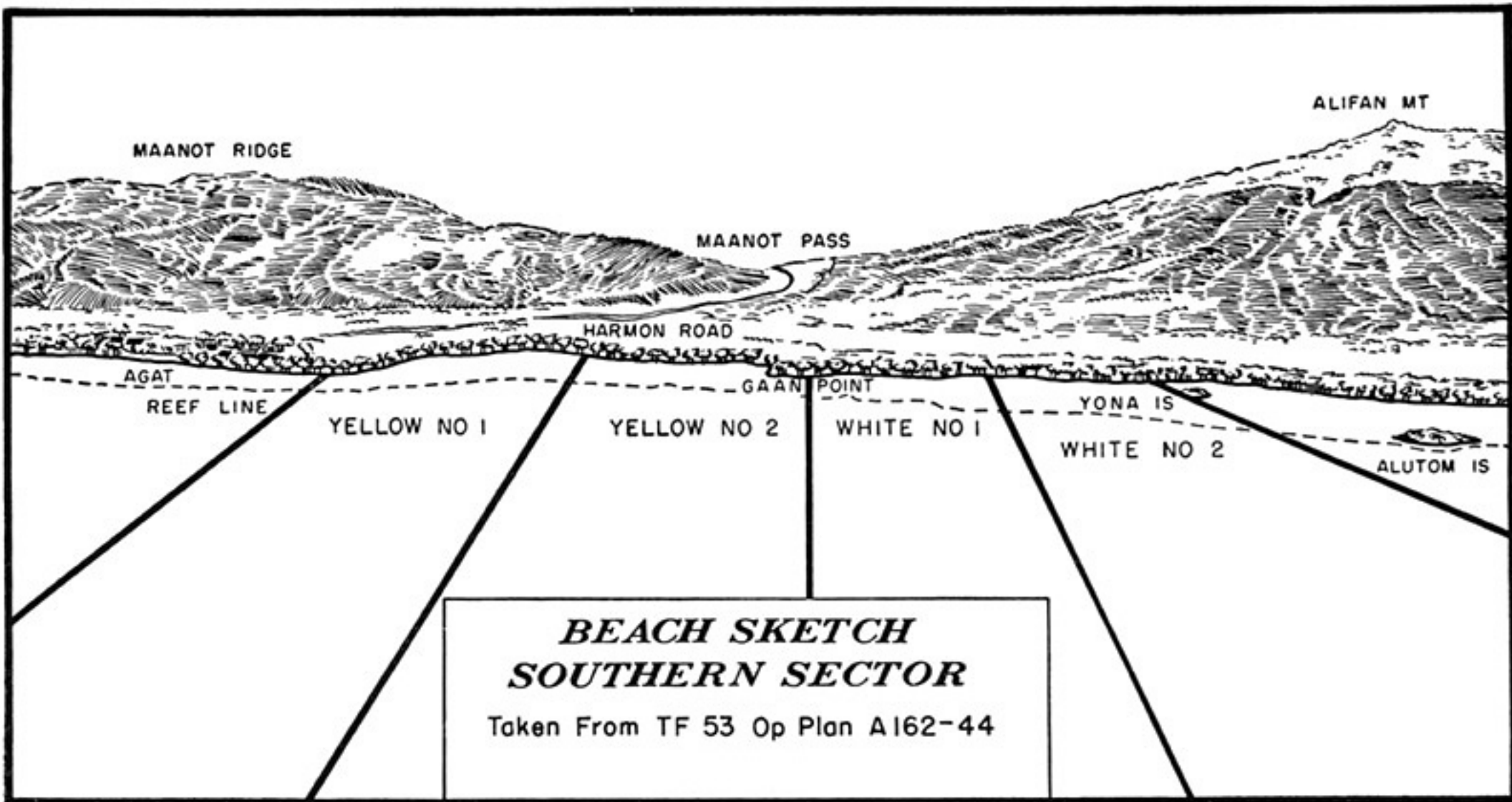
All positions are approximate
Approximate contours, interval 100 feet



W-DAY ON GUAM

21 JULY 1944
SHOWING BEACHHEADS AT 1800





MAANOT RIDGE

ALIFAN MT

MAANOT PASS

HARMON ROAD

AGAT

REEF LINE

YELLOW NO 1

YELLOW NO 2

WHITE NO 1

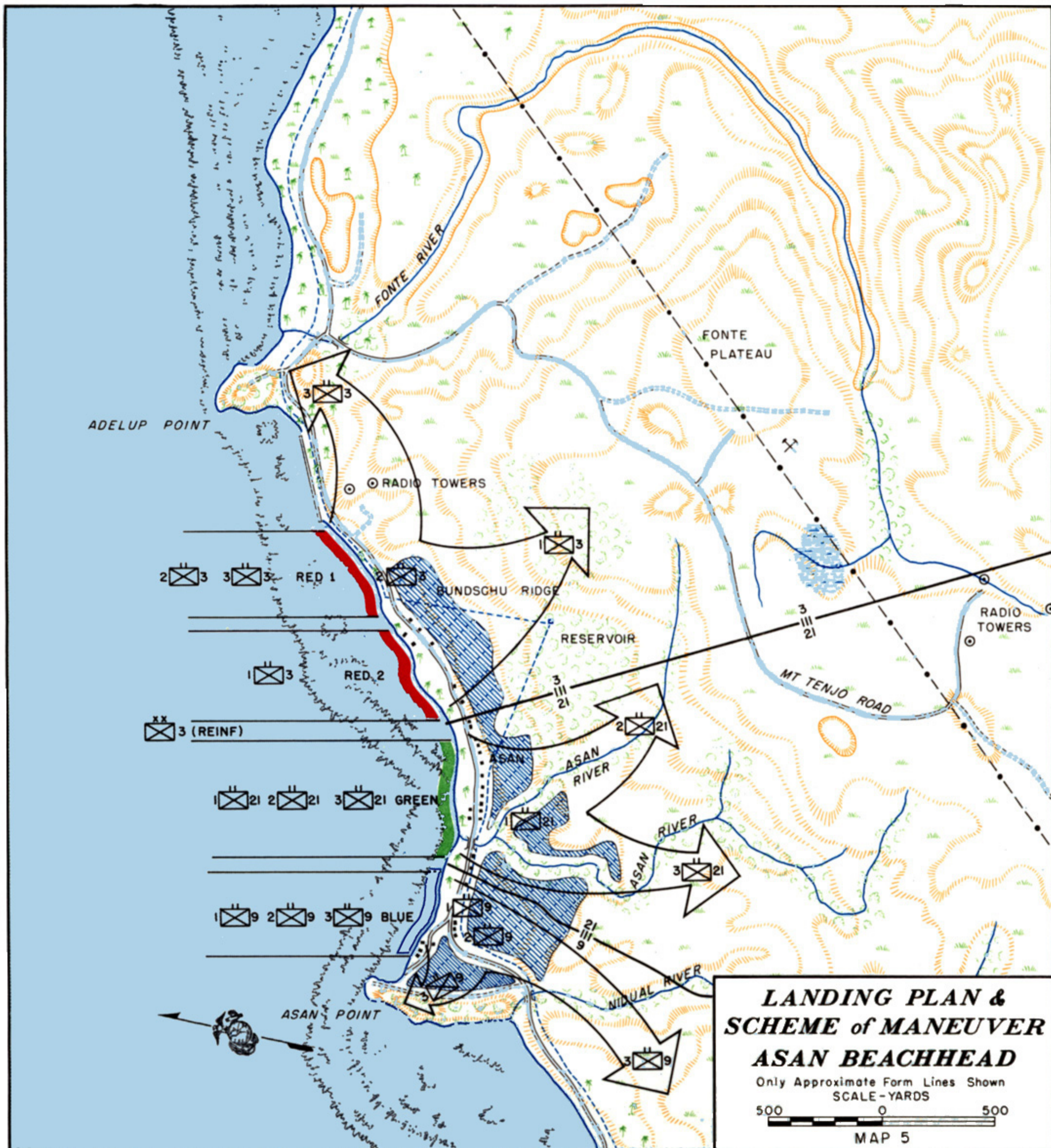
YONA IS

WHITE NO 2

ALUTOM IS

***BEACH SKETCH
SOUTHERN SECTOR***

Taken From TF 53 Op Plan A162-44



ADELUP POINT

FONTE RIVER

FONTE PLATEAU

RADIO TOWERS

2 3 3 3

RED 1

BUNDSCHU RIDGE

RESERVOIR

1 3

RED 2

MT TENJO ROAD

RADIO TOWERS

xx 3 (REINF)

1 21 2 21 3 21 GREEN

ASAN RIVER

1 9 2 9 3 9 BLUE

ASAN RIVER

ASAN POINT

NIDUAL RIVER

