7080

Diag. Cht. No. 4705

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey TOPOGRAPHIC

Field No. TU-C-50 Office No. T-7080

LOCALITY

State Philippines

General locality West Coast of Luzon

Locality Subic Bay

194 50

CHIEF OF PARTY

WILBUR R. PORTER

LIBRARY & ARCHIVES

DATE JUNE 5, 1950

8-1870-1 (1)

7080

Form 537a
Ed. Nov. 1929

DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. TU-C-50

REGISTER NO.

State Philippines

General locality West Coast of Luzon

Locality Subic Bay

Scale 1:10,000 Date of survey 14 March - 18 April, 1950

Vessel TULIP

Chief of party WILBUR R. PORTER, Comdr., USC&GS

Surveyed by Ens. F. L. Corton

Inked by Ens. F. L. Corton, A. G. Jardiolin, A. del Rosario

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated CS-7 1 March, 1950

Remarks:

COMBINED DESCRIPTIVE REPORTS

To Accompany

TOPOGRAPHIC SHEETS TU-A-50, TU-B-50 and TU-C-50

USC&GS SHIP TULIP W. R. PORTER, Comd'g

A. AUTHORITY:

Project instructions, Project CS-7 (US) dated 1 March 1950 from the Director of Coast Surveys, Manila Field Station addressed to the Commanding Officer, Ship TULIP.

B. PURPOSE:

1. To delineate by topography the shoreline around Subic Bay Zambales, from Cubi Point up to Macmany Point covering all around the east, north and west sides of Subic Bay.

2. To locate stations for hydrographic controls by graphic method.

3. To revise topographic features along the shoreline covered.

C. SURVEY LIMITS AND DATES:

Sheet No. TU-A-50 covers all the shoreline extending around the northern part of Subic Bay from Lat. 14° 51.04'N; Long. 120° 15.00'E including shorelines around Pequena and Mayanga Islands down to Lat. 14° 49.3'N; Long. 120° 12.6'E. Sheet No. TU-B-50 covers all the shoreline around the east side of Port Olongapo from Lat. 14° 51.04'N; Long. 120° 15.00'E down to Cubi Point. Sheet No. TU-C-50 covers the shoreline of the western part of Subic Bay from Lat. 14° 49.3'N; Long. 120° 12.6'E down to Lat. 14° 46.3'N; Long. 120° 11.7'E. Date of survey was from 14 March 1950 to 18 April 1950. Work was not continuous on topography inasmuch as signal building was done simultaneously with this work.

D. CONTROL:

The following triangulation stations were used:

Sheet TU-A-50

1.	GAVIOTA	1947
2.	N. S. D.	1947
3.	PEQ	1947
4.	CABANGAN	1947
5.	CAYUAG	1947
6.	MARA	1947
7.	MAYANGA LT.	1947
8.	SUB	1947

Sheet TU-B-50

1.	N.O.D.	1947	7.	MAGDA	1947
2.	KALAKLAN LT.	1947	8.	COAL	1947
3.	MARINE	1947	9.	MARIVAN POINT WATER TANK	1947
4.	CHAPEL	1947	10.	MACCABAN	1947
5.	NAVY	1947	11.	CAIMAN	1947
6.	CON	1947	12.	CUBI 2	1947
			13.	GAVIOTA	1947

Sheet TU-C-50

1.	MAYANGA LT.	1947	3.	CRADDS LT. NO.	1947
2.	AGGSOUN LT.	1947	4.	MACHANT	1908

E. INSTRUMENTS:

The following instruments were used in this survey; 24 x 31" plane table with tripod and head, USC&GS alidades No. 133 and No. 28993 and their cooresponding sets of rods graduated for each particular instruments. Alidade No. 133 was used only at sheet No. TU-B-50 in the location of signals and in all other work No. 28993 was used.

F. SURVEY METHODS:

The survey was executed in accordance with standard Coast Survey methods. Graphic triangulation method was employed in locating signals for hydrographic control. At times when no triangulation stations could be occupied three point set ups were made. In every three point set ups checks were always made to all visible established and located signals.

G. COMPARISON WITH OLD SURVEY:

There was no old survey sheet at hand. The shoreline from Anchorage Chart NO had been pantographed to the topographic sheets. In many places shoreline did not agree and the discrepancies were as much as 100 meters.

The following places were found to have considerable discrepancies in shoreline.

Sheet TU-A-50

1. The shoreline between Cayuag Point and Cabangan Point.
2. Manisbaso Point.
3. Petambu Point.

Sheet TU-B-50

1. The shoreline in the bight between Nagcaban Point and Manoha Blanca Cliff.

2. The location of the mouth of Boton River. Information from three old natives reveals that any change in the location of the river outlet must have been made before the last twenty years.

3. The southern mouth of Kalaklan River.
4. The area in the vicinity of Signals Gig and Hop.

Sheet TU-C-50

1. Shoreline between Cox and Fez.
2. Shoreline south of Agosoan Lt.

E. GENERAL DESCRIPTION OF THE COAST:

Generally all points along the coastline are rocky. The coast along Subic town is sandy. At nearby station Off the coast is sandy but fouled with wrecks. At between stations New and Ice it is sandy but detached rocks are found in the vicinity of Signal Ice.

In the bay east of H.S.D. 1947 the coast is sandy but the northwestern part is fouled with wrecks. The small bay where signal Sis is located is sandy and free of obstructions except for the two beached LCT's. From here up to Kalaklan Lt. it is rocky and dangerous even for small launches to go nearby the shore. In the northern part of the bay inside Port Olongapo north of Signal Ann is a mud flat that uncovers at low water. The Coaling wharf where triangulation station Coal, 1947 is located had been damaged during World War 2. The super-structure had been burned and some floor bays blasted. The area between Coal and Manche blanca cliff (at signal Kit) is sandy. At signal Pro where Banicon village is located shore is sandy.

I. LIST OF PLANE TABLE POSITIONS:

Inclosed are lists of Plane Table Positions, Sheet TU-A-50, TU-B-50 and TU-C-50.

J. REMARKS:

Junctions between the three sheets were good and no adjustment was done in any of them. In all traverses there was no discrepancy that went beyond the limits allowed in the topographic manual and no adjustment was made in the location of any topographic feature located by this method. All signals were located by intersections of not less than three rays except for signal Bio in sheet No. TU-A-50 that was located by two rays and stadia distance from the nearest set up to it.

K. STATISTICS:

Number of topographic recoverable station- - - - -	0
Number of unrecoverable topographic stations - - -	96
Statute miles of low water line - - - - -	26.5
Statute miles of high water line - - - - -	28.8
Statute miles of roads - - - - -	0.8

Respectfully submitted:

/s/ FILOMENO L. COMTOM
Ens., C & G S

Inc.:

1. List of Plane Table Positions.
2. List of Objects Located.

APPROVED AND FORWARDED:

/s/ WILBUR R. PORTER
Comdr., USC&GS
Comdg. Ship TULIP

LIST OF PLANE TABLE POSITIONS
SHEET TU-C-50 CS-7 (U.S.)

NAMES	NORTH LATITUDE	D.M. (Meters)	EAST LONGITUDE	D.P. (Meters)	Remarks
Rip	14° 49'	(1340.8) 503.2	120° 12'	(727.8) 1066.2	Banner on tree trunk.
Lay	14° 48'	(75.1) 1768.9	120° 12'	(522.6) 1271.6	Banner on outboard end of deteriorated pier.
Pit	14° 48'	(241.5) 1602.5	120° 12'	(638.6) 1155.6	Taller of two masts of two beached ships.
Big	14° 48'	(470.3) 1373.7	120° 12'	(807.6) 986.6	Banner at outboard end of deteriorated pier.
Geo	14° 48'	(663.8) 1180.2	120° 12'	(953.0) 841.2	White wash on beached craft.
Fez	14° 48'	(883.4) 960.6	120° 12'	(1065.8) 728.4	White wash on rock..
Cox	14° 48'	(1280.2) 563.8	120° 12'	(1131.6) 662.6	White wash on rock.
Son	14° 48'	(1786.0) 58.0	120° 12'	(1454.9) 339.3	White wash on rock.
Del	14° 47'	(236.9) 1607.1	120° 12'	(1780.7) 13.6	Banner on top of mast of beached ship.
Wad	14° 47'	(453.5) 1390.5	120° 12'	(1793.0) 1.3	Banner on tree trunk.
Get	14° 47'	(846.3) 997.7	120° 12'	(1768.1) 26.2	White wash on rock.
Via	14° 47'	(1471.8) 372.2	120° 11'	(98.1) 1696.2 *	White wash on rock.
Ama	14° 46'	(247.8) 1596.2 *	120° 11'	(125.9) 1668.6 *	Banner on mast of LST.
Oak	14° 46'	(738.9) 1105.1 *	120° 11'	(94.8) 1699.7 *	White wash on wreck.
Ego	14° 46'	(1068.8) 775.2 *	120° 11'	(262.1) 1532.4 *	White wash on rock.

* Deduced

Scaled & tabulated by: A.R.
Checked by: A.G.J.

LIST OF OBJECTS LOCATED
SHEET TU-C-50, CS-7 (U.S.)

NORTH LATITUDE	D. M. (Meters)	EAST LONGITUDE	D. P. (Meters)	REMARKS
14° 47'	(81.7) 1762.3	120° 12'	(1692.6) 101.7	Beached pontoon

Tabulated by: F. L. C.

Checked by: A. G. J.

GEOGRAPHIC NAMES

Survey No. T-7080

Name on Survey	On Chart No. A	On previous survey No. B	On U. S. quadrangle Maps C	From local information D	On local Maps E	P. O. Guide or Map F	Rand McNally Atlas G	U. S. Light List H	K	
										1
										2
										3
										4
										5
										6
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M 234

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CHIEF OF PARTY

WILBUR R. PORTER

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Chief of party WILBUR R. PORTER, Comdr., USC&GS

Surveyed by Ens. F. L. Corton

Inked by Ens. F. L. Corton, A. G. Jardiolin, A. del Rosario

Heights in feet above to ground to tops of trees

Contour, Approximate contour, Form line interval feet

Instructions dated CS-7 1 March, 1950

Remarks:

COMBINED DESCRIPTIVE REPORTS

To Accompany

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4. CHAPEL	1947	10. MACCABAN	1947
5. NAVY	1947	11. CAIMAN	1947
6. CGH	1947	12. CUBI 2	1947
		13. GAVIOTA	1947

Sheet TU-C-50

1. MAYANCA LT.	1947	3. GRANDE LT. HO.	1947
2. AGOSOEN LT.	1947	4. MACHANY	1908

E. INSTRUMENTS:

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Respectfully submitted:

/s/ FILOMENO L. CONTON
Ens., C & G S

Inc.:

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APPROVED AND FORWARDED:

/s/ WILBUR R. PORTER
Comdr., USC&GS
Comdg. Ship TULIP

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* Deduced

Scaled & tabulated by: A.R.
Checked by: A.G.J.

LIST OF OBJECTS LOCATED
SHEET TU-C-50, CS-7 (U.S.)

NORTH LATITUDE	D.M. (Meters)	EAST LONGITUDE	D.P. (Meters)	REMARKS
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Tabulated by: F. L. C.
Checked by: A. G. J.