

7049 a

Graphic Control

Diag'd. on Diag. Ch. No. 8556-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. SU-Aa-47 Office No. T-7049a

LOCALITY

State Alaska

General locality Alaska Peninsula

Locality Cape Kekurnoi

194 7

CHIEF OF PARTY

LIBRARY & ARCHIVES

DATE APR 30 1948

B-1870-1 (1)++

7049 a

Graphic Control

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T7049a

(Graphic Control)

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. SU-Aa-47

REGISTER NO. T-7049a

State Alaska

General Locality Alaska Peninsula

Locality Cape Kekurnoi

Scale 1:20,000 Date of survey July, August, 1947

Vessel Ship SURVEYOR

Chief of party A. P. Ratti

Surveyed by K. S. Ula

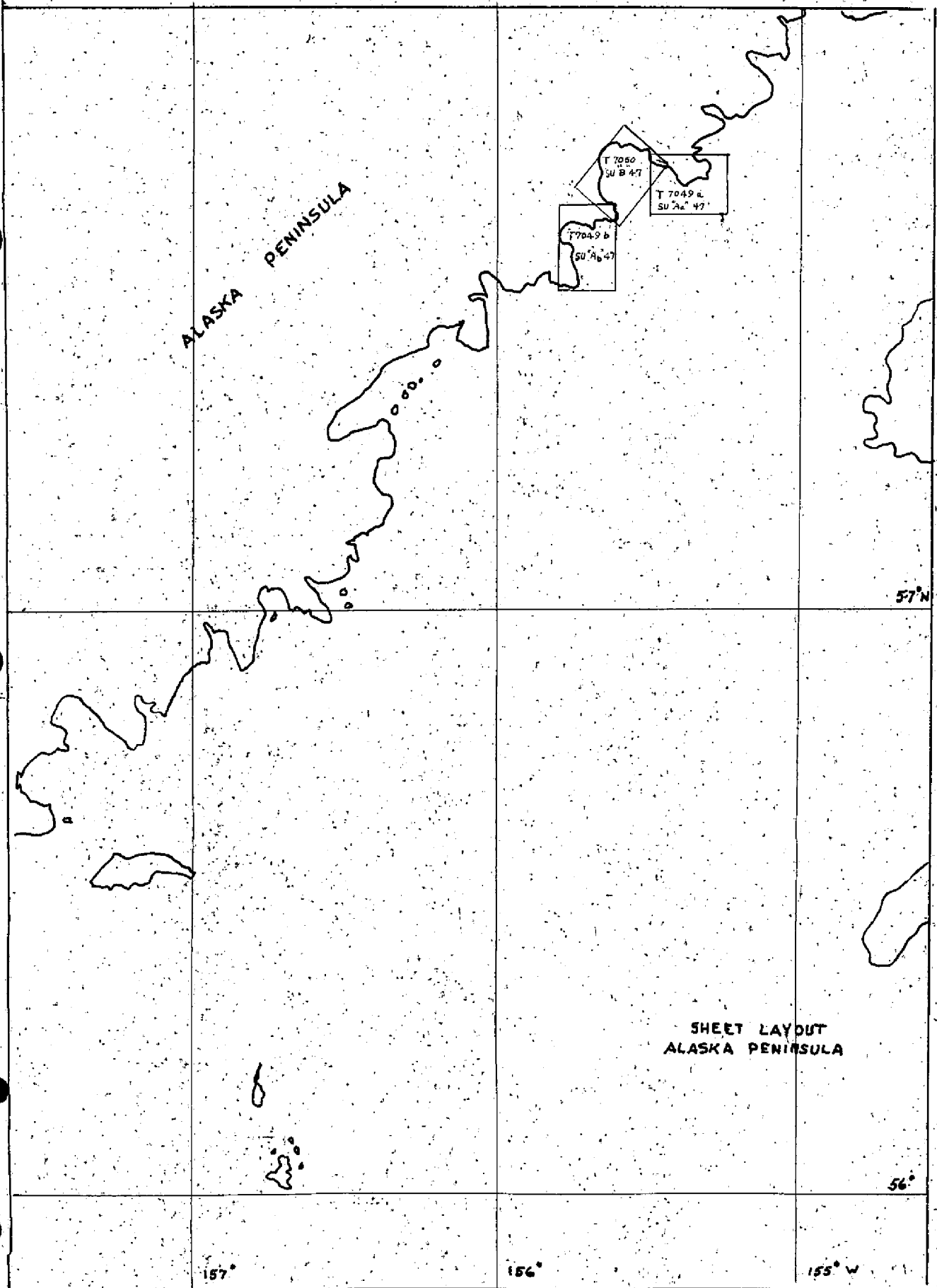
Inked by K. S. Ula

Heights in feet above MHW to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval _____ feet

Instructions dated 3/19/42; 2/27/43; 3/12/43; 2/29/44; 19
3/31/47; 4/8/47

Remarks: _____



DESCRIPTIVE REPORT

TO ACCOMPANY

TOPOGRAPHIC SHEET - T-7049a

USC&GSS SURVEYOR

A. P. Ratti, Commander, C&GS
Chief of Party

AUTHORITY:

Authority for this survey was the Director's Instructions and Supplemental Instructions for Project CS-279, dated as follows:

To:	Date
Commanding Officer, Ship EXPLORER	19 March 1942
Commanding Officer, Ship EXPLORER	27 February 1943
Commanding Officer, Ship EXPLORER	12 March 1943
Commanding Officer, Ship WESTDAHL	29 February 1944
Commanding Officer, Ship SURVEYOR	31 March 1947
Commanding Officer, Ship SURVEYOR	8 April 1947.

LIMITS:

The sheet extends west from signal ALP, Latitude 57° 40'55, Longitude 155° 17'76 to signal REX, Latitude 57° 44'81, Longitude 155° 28'03.

Junction with topographic sheet T-7050 is made at signal REX.

CONTROL:

The control for this survey was furnished by third order triangulation executed by F. H. Hardy 1920 and by this vessel during the season.

SURVEYING METHODS:

Signals and shoreline were located by intersection, resection and traverse. Standard practice was followed throughout the sheet. Traverses fell within the allowable limit and were field adjusted.

In accordance with instructions, signal location was given priority and only that shoreline and detail which could be rodded in without additional planetable set-ups was located.

GENERAL DESCRIPTION OF THE COAST:

Cape Kekurnoi (Station HIKE east to station KEKURNOI) has vertical rock cliffs ranging from sixty to ninety feet above high water. Along this section of coast, reefs and low water extend from one to two hundred meters off shore. Beaches are practically non-existent with the exception of gravel beaches in the vicinity of signals GAL, TRY, and at the head of the bight north of signal LIL. There is a sand beach west of signal ALP. In general, it is level and grassy from the cliff line for about a half mile back to the mountain slopes.

The islets and rocks that make up the reef south and west of triangulation station HIKE are in general steep and are difficult to land on and climb. The larger islets are grass covered and average seventy five to eighty five feet in height above high water.

Steep rocky bluffs with narrow gravel and boulder beaches extend from signal SIB to signal SOX. From signal SOX to signal TAD, there are grassy bluffs with a narrow gravel beach. From signal TIB to signal FIX there are low rocky bluffs. In the bight north of triangulation station HIKE there is a sand beach and a sand causeway which connects the mainland with the small island on which HIKE is located. This causeway is barely covered at extreme high water. Signal USE is the south gable of a trapper's cabin.

The island west of triangulation station HIKE is grass covered from fifty to seventy feet above high water. On the south side of the island is an extensive reef bare at low water. A tide gage was built in a niche in the rock cliff between signals TIM and ANN on the north side of the island. Good protection for the gage was obtained except in the heaviest of northwest weather.

GEOGRAPHIC NAMES:

The geographic names that appear on Chart No. 8556 are adequate.

LANDMARKS:

Hydrographic signal ACE is a prominent waterfall and should be charted.

Hydrographic signal TRY is a prominent waterfall and should be charted.

See separate report, Landmarks for Charts.

Chart letter 399 (1948)

COMPARISON WITH PREVIOUS SURVEYS:

This survey is in agreement with T-3825, F. H. Hardy, 1920, and no discrepancies were noted.

In comparison with Air Photo Compilation Sheet 1, C.S. No. 316, the general delineation of the shoreline and detail is good. However, the shoreline on the air photo compilation is about seventy meters west of the charted position as shown on this sheet. ✓

MAGNETIC OBSERVATIONS:

Compass declinometer and declinatoire observations were made at station KEKURNOI-1919.

Observations for standardization of compass declinometer H-17 and declinatoire H-32 were taken at magnetic station INGLEWOOD 1940, Seattle, Washington on 18 November 1947. The result of these observations was forwarded to the Washington Office. ✓

STATISTICS:

Number of hydrographic signals located - - - - - 54

Statute miles of shoreline - - - - - 5.5

Respectfully submitted,

Kenneth S. Ulm

Kenneth S. Ulm
Lt. Comdr., C&GS

Approved and Forwarded,

A. P. Ratti

A. P. Ratti
Commander, C&GS
Commanding, Ship SURVEYOR

This graphic control survey has been compared with contemporary hydrographic survey H-7195 (1947). No further review by the Hydrog. Surveys Sec. is necessary at the present time.

J. A. Dinamore
3/13/53

GEOGRAPHIC NAMES

Survey No. **T7049a**

~~Graphic Control~~

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

B

C

D

E

F

G

H

K

1

2

3

4

5

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7049 b

Graphic Control

Diag'd. on Diag. Ch. No. 8556-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Topographic

Field No. SU-Ab-47 Office No. T-7049b

LOCALITY

State Alaska

General locality Alaska Peninsula

Locality Dry Bay

1947

CHIEF OF PARTY

A.P. Ratti

LIBRARY & ARCHIVES

DATE APR 30 1948

B-1870-1 (1)++

7049

Graphic Control

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. SU-Ab-47

REGISTER NO. T-7049b

State Alaska

General Locality Alaska Peninsula

Locality Dry Bay

Scale 1:20,000 Date of survey Aug. to Sept., 1947

Vessel Ship SURVEYOR

Chief of party A. P. Ratti

Surveyed by K. S. Ulm

Inked by K. S. Ulm

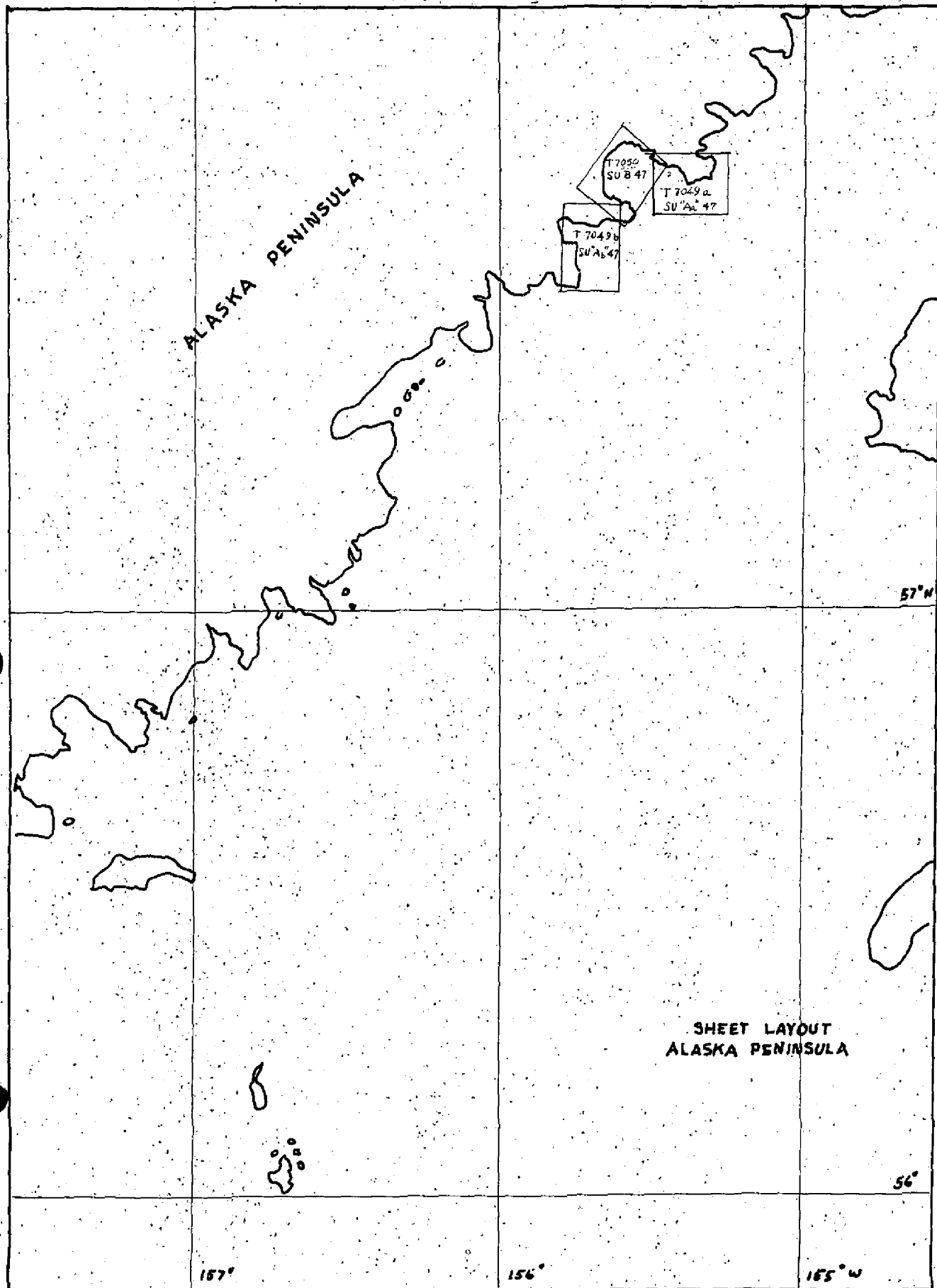
Heights in feet above MHW to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval _____ feet

Instructions dated 3/19/42; 2/27/43; 3/12/43; 2/29/44; 19
3/31/47; 4/8/47.

Remarks: _____

T7049b
Graphs Center



DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET - T-7049b

USC&GSS SURVEYOR

A. P. Ratti, Commander, C&GS
Chief of Party

AUTHORITY:

Authority for this survey was the Director's Instructions and Supplemental Instructions for Project CS-279, dated as follows:

To:	Date
Commanding Officer, Ship EXPLORER	19 March 1942
Commanding Officer, Ship EXPLORER	27 February 1943
Commanding Officer, Ship EXPLORER	12 March 1943
Commanding Officer, Ship WESTDAHL	29 February 1944
Commanding Officer, Ship SURVEYOR	31 March 1947
Commanding Officer, Ship SURVEYOR	8 April 1947.

LIMITS:

This sheet extends north from signal ANA, Latitude $57^{\circ} 32' 16.5''$, Longitude $155^{\circ} 44' 10.2''$ to triangulation station CAPE-1947, Latitude $57^{\circ} 39' 52''$, Longitude $155^{\circ} 35' 18.0''$.

A junction with topographic sheet T-7050 was made at triangulation station CAPE-1947.

CONTROL:

The control for this survey was furnished by third-order triangulation executed by this vessel during the season.

SURVEYING METHODS:

Signals and shoreline were located by intersection, resection, and traverse. Traverses fell within the allowable limit and were field adjusted. Standard practice was followed throughout the sheet.

In accordance with instructions, signal location was given priority and only that shoreline and detail which could be rodded in without additional planetable set-ups was located.

GENERAL DESCRIPTION OF THE COAST:

Rocky Bluffs ranging from twenty to seventy feet extend from Cape Unalshagvak to Dry Bay with narrow gravel and boulder beaches at the head of the bights. There is a prominent headland on which triangulation station FORK-1947 is located. This headland has high vertical cliffs with a small boulder beach. In the vicinity of signals EGO and VIC there is a sand beach.

Dry Bay is sandy and bares nearly to its mouth at low water. No obstructions or rocks were noted at low water.

The points on which triangulation station REX-1947 and signal MUT are located are low grass covered points about fifty feet high with rocky bluffs. The bight between these points has a sand beach.

From signal DIE to signal DEN there are high vertical cliffs. In the vicinity of signal EGG and to the eastward there are steep boulder beaches to the foot of the cliffs.

There is a sand beach in the bight between signals GUS and DEN.

Signal GUS is the center of the top of a pinnacle rock about 55 ft. above high water.

Triangulation station CAPE 1947 is on a rock islet the highest point of which is about 75 feet high.

GEOGRAPHIC NAMES:

The geographic names that appear on Chart No. 8556 are adequate.

LANDMARKS:

Hydrographic signal BUD is a prominent waterfall and should be charted.

See report, Landmarks for Charts.

Chart letter 399 (1948)

COMPARISON WITH PREVIOUS SURVEYS:

There are no previous planetable surveys of the area.

In comparison with Air Photo Compilation Sheet 1, C.S. No. 316, the general delineation of the shoreline and detail is good.

MAGNETIC OBSERVATIONS:

Declinatoire Observations were taken at triangulation stations FORK-1947 and REX-1947.

Observations for standardization of declinatoire H-32 were taken at Magnetic Station Inglewood-1940, Seattle, Washington on 18 November 1947. The results of these observations were forwarded to the Washington Office.

STATISTICS:

Number of hydrographic signals located -----	42
Statute miles of shoreline -----	4.3

Respectfully submitted,

Kenneth S. Ulm

Kenneth S. Ulm
Lt. Comdr., C&GS

Approved and Forwarded,

A. P. Ratti

A. P. Ratti
Comdr., C&GS
Commanding, Ship SURVEYOR

This graphic control survey has been compared with contemporary hydrographic survey H-7194 (1947). No further review by the Hydrographic Surveys Section is necessary at the present time.

J. A. Winsmore
12/15/48

GEOGRAPHIC NAMES

Survey No.

T7049b

Name on Survey

On Chart
No.

On previous survey
No.

On U. S. quadrangle
Maps

From local
information

On local Maps

P. O. Guide or Map

Rand McNally Atlas

U. S. Light List

A

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C

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