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4216 + 4217 ✓

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
State: <u>Oregon</u>	
11-5513	
DESCRIPTIVE REPORT	
Topographic	4216 + B+C
Sheets Nos.	4217
LOCALITY:	
Pacific Coast	
Cape Blanco to	
Coquille River	
1925 and 1928	
CHIEF OF PARTY:	
E. H. Bernstein - 1925	
A. P. Ratti 1928	

4216 + 4217

C. & G. SURVEY
L. & A.
DEC 7 1926
Acc. No.

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
E. Lester Jones, Director.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEETS B & C

Between Coquille River & Cape Blanco,
COAST OF OREGON.

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October 1925.

E. H. Bernstein,
H. & G. Engineer.
Chief of Party.

12 Pages

4216 4217

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEETS B & C,

COAST OF OREGON

Between Coquille River & Cape Blanco.

Authority: Orders dated August 31, 1925.

Limits: Coast of Oregon from Coquille River on north, to latitude 42-57' on south, on sheet "B" ^(T. 4216) and from there south to Cape Blanco on sheet "C".

Purpose: The shore line for this region was done in previous season of work of Ship "GUIDE". Plane table traverse was merely for locating objects for inshore launch hydrography. Hydrography for the region covered was not completed. Numerous stations were marked for future use. The descriptions of recoverable stations is included within.

Traverses were run from Station "Spur" to "DUNE". This traverse closed correctly.

Another traverse from "DUNE" to "GRASS" failed to close by 14 meters in azimuth only. This discrepancy was adjusted.

A third traverse was run to the south from "GRASS" and station "NUN" established. On sheet "C" ^(T. 4217) a traverse was begun at topographic station "REAR", and run north and tied in to station "NUN".

Another traverse was run from "REAR" to "ROCKY PT.", and a last traverse from "CAPE BLANCO L.H." to "CASTLE ROCK".

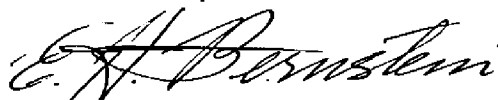
General: On sheet "C" the high water line immediately north of Cape Blanco was located. It was intended to locate this line up to Blakelock

Point but discontinuance of field work left it undone.

Because no delay was occasioned by it, parts of the bluff inside the high water line, north of Blakelock Point to Floras Lake, were shown.

Paragraph 82 A, General Instructions for Field Work was complied with where feasible. The shore line not being located by the party it was impracticable in most cases to give the measurements referred to.

Respectfully submitted

A handwritten signature in cursive script, reading "E. H. Bernstein".

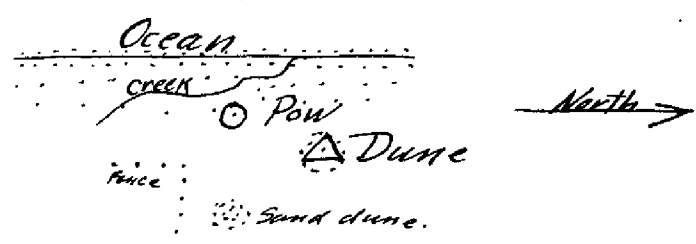
E. H. Bernstein.
H. & G. Engineer.-

DESCRIPTION OF STATIONS SOUTH OF BANDON, OREGON.
Sheet B & C. (Recoverable)

Sheet B.

POW. Lat. $43^{\circ}-01'$ (864 meters)
Long. $124^{\circ}-26'$ (1084 meters)

Station is $5/8$ miles S x W from Station Dune; and 33 meters from inland or eastern shore line of creek, 1 foot from southern face of whitewashed stump with lower extremity buried in sand. It is due west from northern extremity of first large sand dune south of Dune.
Mark: 3'- $1/2$ " C.I. pipe set in cement, 8" of pipe above.
Surface Sketch.



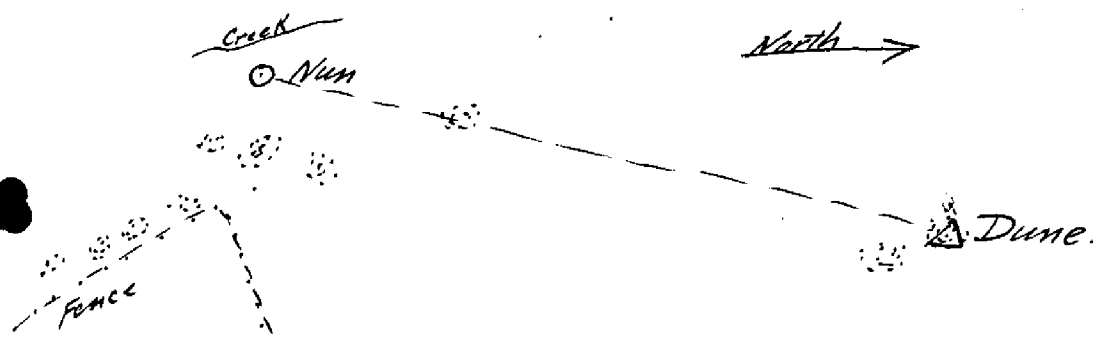
Nun. Lat. $42^{\circ}-57'$ (547 meters)
Long. $124^{\circ}-28'$ (612 meters).

Station is $5-5/8$ miles south from triangulation station Dune. It is on the highest point of a brush covered sand dune which is the westernmost dune of a group of 3 large and one small sand dunes; in a region of grass and brush covered sand dunes, northernmost of which is N x E about 330 meters.

It is 150 meters inland from shore of creek and 130 meters from fence corner to S.E.

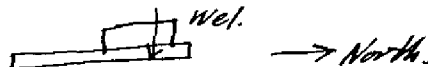
Ranges: above mentioned northernmost sand dune in range with triangulation station Dune. Tallest umbrella tree to E x N in range with Sugar Loaf shaped hill.

Sketch.
Mark: 3'- $1/2$ " C.I. pipe set in cement with 6" of pipe above surface of ground.
Sketch: Ocean



Wel. Lat. $43^{\circ}-01'$ (64 meters)
 Long. $124^{\circ}-26'$ (1170 meters).
 11 miles S x W from triangulation station Dune.

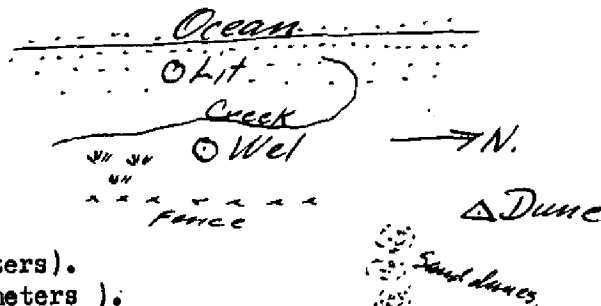
At the end of a short log which lies on top of a larger but smaller diameter log, thus:



Station is 45 meters East of creek shore line and 60 meters west of fence line with grass hummocks 100 meters to south.

Sketch:

Mark 3'- $1/2$ " C.I. pipe
 set in cement slug: 10" of
 pipe above surface of
 sand.



Lit. Lat. $43^{\circ}-00'$ (1702 meters).
 Long. $124^{\circ}-27'$ 9 (125- meters).
 1.3 miles S x W from triangulation station Dune.

Station is on high part of beach 110 meters from northern high water extremity of high water shore line of a grass covered sand ridge close and parallel to beach extending south; 400 meters south of station.

Tall umbrella topped tree in range with northern slope of Sugar Loaf Hill in spur ridge.

Mark 3' - $1/2$ " C.I. pipe set in cement with 1 foot of pipe above surface of sand.

See sketch for WEL.

Rip Lat. $43^{\circ}-00'$ (277 meters)
 Long. $124^{\circ}-27'$ (520 meters).

Station is under sea end of log laying over sand ridge with land end of log sloping down.

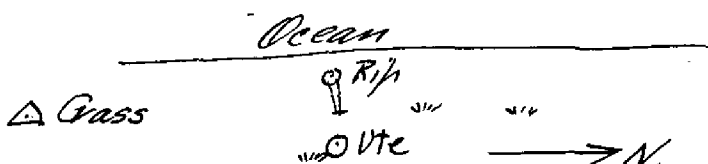
It is 1 mile north of triangulation station Grass and 115 meters from high water shore line.

Reference: Grass hummock 60 meters north — Southermost of ridge of grass hummock paralleling beach.

Grass hummock 19 meters east mess of Roots:
 10 meters west.

Just north of being in range with distant lone house on first ridge of hill and highest point on horizon to S.E.

Sketch:



Marks
 3'- $1/2$ " C.I. pipe set in
 cement, 1' of pipe above
 surface of sand.

Three large grass
 hummocks.

Sheet C.

CROSS. Lat. $42^{\circ}-55'$ (616 meters)
 Long. $124^{\circ}-29'$ (1031 meters).

Station is on beach to eastward from top of sand ridge sloping up from beach. It is 72 meters west from shore of lake or lagoon, and 80 meters from high water shore line.

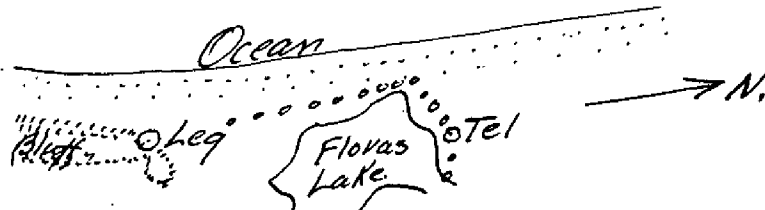
It is west of northern end of gap in line of fence posts on inland side of lagoon. Range: Southern end of water soaked log midway across lagoon in range with northern extremity of clump of spruce thicket. Mark: $3'-1\frac{1}{2}"$ C.I. pipe set in cement, with 9 inches of pipe above surface.

NEW SHACK. Lat. $42^{\circ}-54'$ (995 meters).
 Long $124^{\circ}-30'$ (93 meters).
 Station is S.W. corner of Fish trap tender's shack.
 Reference: Fish trap across stream reaching from
 Floras Lake 100 meters to N.W.

TEL. Lat. $42^{\circ}-54'$ (484 meters)
 Long. $124^{\circ}-30'$ (524 meters).

Station is northwesternmost pole at turn in telegraph line along shore of Floras Lake nearest ocean. It is 120 meters from shore of lake.

Mark: Triangle blazed on southern face of pole; 4 feet from surface of ground.



LEG. Lat. $42^{\circ}-53'$ (1675 meters)
 Long. $124^{\circ}-30'$ ~~XXXXXX~~ (905 meters).

Station is southwesternmost pole of line of telephone poles mentioned in description of TEL. See sketch.

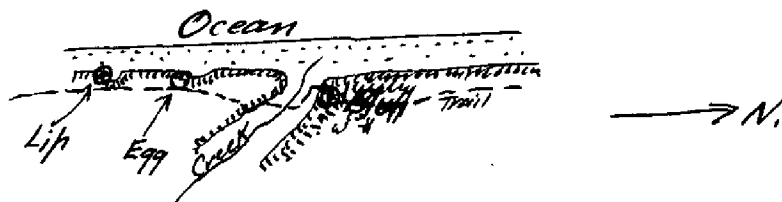
It is near the northern extremity and on sea edge of clay ridge. The clay ridge is the second ridge from the sea the first being sand.

Mark: Blazed triangle on southern face of pole.

Sheet C.

MON. Lat. $42^{\circ}-53'$ (1114 meters).
 Long. $124^{\circ}-30'$ (1261 meters).

Station is on edge of vertical bluff., on northern side of third from north and deepest cut in bluff. It is on knoll covered with hemlock like evergreen carpet. Mark: $3'-1/2"$ - C.I. pipe set in cement with 9" above surface of ground. Sketch.



Egg. Lat. $42^{\circ}-53'$ (704 meters).
 Long. $124^{\circ}-31'$ (113 meters).

Station is on edge of top of bluff on second point of creek:
 10 meters from point where trail strikes top of bluff.
 Mark: $3'-1/2"$ pipe set in cement.

LIP. Lat. $42^{\circ}-53'$ (610 meters).
 Long. $124^{\circ}-31'$ (174 meters).

Station is second lip in top of bluff south of Egg and 110 meters distant. See sketch above.

DESCRIPTION OF RECOVERABLE STATIONS SOUTH OF BANDON, OREGON.

SHEET B.

MAL. Lat. $43^{\circ} 05'$ (1370 meters)
Long. $124^{\circ} 26'$ (243 meters)

On very low, lone black rock about 350 meters offshore,
 $3/4$ mile S x E of station "Greystone".

DERBY. Lat. $43^{\circ} 05'$ (784 meters)
Long. $124^{\circ} 26'$ (31 meters)

Is prominent isolated black rock, about 80 ft. high, shaped
like top of a derby hat, $1\frac{1}{2}$ miles south of station "Spur" at high
water line.

PILE. Lat. $43^{\circ} 05'$ (333 meters)
Long. $124^{\circ} 26'$ (380 meters)

Is small outside teat on level surface of large rock, 1.1
mile South by East from station "Greystone".

WAS. Lat. $43^{\circ} 04'$ (1494 meters)
Long. $124^{\circ} 26'$ (121 meters)

Station is vertical flat sea face of lone, pyramidal black
rock at high water line, $1\frac{1}{2}$ miles S x E from station "Greystone".

NEW. Lat. $43^{\circ} 06'$ (1158 meters)
Long. $124^{\circ} 25'$ (1262 meters)

Is sea face of new lone house $1/3$ mile south of station "Spur".

OUT. Lat. $43^{\circ} 06'$ (422 meters)
Long. $124^{\circ} 26'$ (911 meters)

Is black rock bare at all stages of tide, $1/5$ mile to S.W.
from station "Greystone".

MID. Lat. 43° 06' (960 meters)
Long. 124° 26' (816 meters)

Station is top of middle of highest of peaked rocks on mass of rocks, 1/5 mile to N.W. of station "Greystone".

HAK. Lat. 43° 06' (137 meters)
Long. 124° 25' (1106 meters)

Station is lone shack on shoulder of mound 1 mile south of station "Spur".

DED. Lat. 43° 04' (794 meters)
Long. 124° 25' (1318 meters)

Is isolated spreading round leaf tree on slope of sand ridge. Tree is of a light color resembling dead wood. It is easily distinguishable.

WHY. Lat. 43° 04' (59 meters)
Long. 124° 25' (1200 meters)

Is readily distinguishable "Y" tree.

GAS. Lat. 43° 02' (962 meters)
Long. 124° 26' (305 meters)

Station is a round dark growth of vegetation about 10 ft. in diameter, growing in isolation on broad bare white sand surface.

PIN. Lat. 43° 02' (1746 meters)
Long. 124° 25' (28 meters)

Station is northernmost and highest evergreen in a prominent clump, near tree line, 1.1 mile N x E from station "Dune".

DOT. Lat. 43° 03' (561 meters)
Long. 124° 26' (69 meters)

Station is a signal formed by nailing horizontal boards to trees in a very prominent clump of trees, 1.4 miles N. x E. from station "Dune". Station is at north-west of a clump of trees.

PEA. Lat. 43° 01' (747 meters)
Long. 124° 26' (805 meters)

Station is tallest tree on a sand hill 1/2 mile W. x S. from station "Dune", near topographic station "Pow".

SHE. Lat. 43° 00' (971 meters)
Long. 124° 27' (359 meters)

Station is root lodged in sand, about 5 ft. high, with bottom towards sea, shaped to resemble human hand with fingers distended. Station is near high water line.

TOP. Lat. 43° 00' (703 meters)
Long. 124° 26' (1357 meters)

Station is knob on clump of trees on the first prominent sand hill just south of a little creek. Station is 1.1 miles N x E from station "Grass."

UTE. Lat. 43° 00' (192 meters)
Long. 124° 27' (141 meters)

Station is south edge of a butte-like land formation. It is 1/5 mile inland from topographic station "Rip".

SHACK. Lat. 42° 58' (1155 meters)
Long. 124° 27' (1116 meters)

Station is front gable of lone, small shack, 3/4 mile to southward of station "Grass".

ROW. Lat. 42° 58' (583 meters)
Long. 124° 28' (176 meters)

Station is small, low lone sand hill close to high water line, about 1 mile to south along beach from station "Grass".

SOW. Lat. 42° 58' (984 meters)
Long. 124° 28' (318 meters)*

Station is highest tree in cluster on prominent sand hill about 2 miles south of station "Grass."

LOOK. Lat. $43^{\circ} 06'$ (1620 meters)
 Long. $124^{\circ} 26'$ (115 meters)

Station is lookout house of the Bandon Coast Guard, on the promontory on which station "Spur" is located. (This position was carefully checked.)

LOW. Lat. $43^{\circ} 07'$ (71 meters)
 Long. $124^{\circ} 26'$ (1026 meters)

Station is low lone isolated black rock farthest to north-westward of group of rocks off Coquille Point.

DANCE. Lat. $43^{\circ} 06'$ (1454 meters)
 Long. $124^{\circ} 25'$ (1215 meters)

Station is the west skylight of the two on the big dance hall on Coquille Point. (Both skylights were located by plane table.)

DESCRIPTION OF RECOVERABLE STATIONS SOUTH OF BANDON, OREGON.

Sheet C.

PICK. Lat. $42^{\circ} 50'$ (871 meters)
Long. $124^{\circ} 33'$ (244 meters)

Station is peak of lone tall, black, pyramidal rock close to shore in cove 1/2 mile to north-eastward from Cape Blanco L.H.

PORK. Lat. $42^{\circ} 52'$ (994 meters)
Long. $124^{\circ} 33'$ (259 meters)

Station is peak of isolated rock farthest off Blakelock Point.

LUF. Lat. $42^{\circ} 52'$ (1510 meters)
Long. $124^{\circ} 31'$ (833 meters)

Station is vertical edge of rocky bluff at Blakelock Point readily distinguishable from the north.

LAF. Lat. $42^{\circ} 53'$ (94 meters)
Long. $124^{\circ} 31'$ (420 meters)

Station is on top and near edge of bluff 0.4 miles south of station "Egg". Mark: 3 ft. 1/2 in. C.I. pipe driven half way into the ground; cement around it at surface.

REAR. Lat. 42 54' (779 meters)
Long. 124 30' (44 meters).

Station is on seaward shoulder of prominent knoll immediately to north of Floras Lake and inland from the creek running out of Floras Lake to the north. The knoll referred to is bare; it is an old Indian habitation.

RAM. Lat. 42- 50' (171)meters.
Long. 124-35' (46 meters)

Station is highest peak of offlying mass of rocks, one mile west by south from Cape Blanco L.H.

TOP. Lat. 42- 51' (706) meters.
Long. 124-33' (126 meters).

Station is prominent knob (top notch), on mass of offlying rocks, about 400 meters west by south from station " Castle Rock", about one mile north of Cape Blanco.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: Oregon

11-5613

DESCRIPTIVE REPORT.

TOPO Sheet No. B 4216

LOCALITY:

South of Coquille River Entrance

1928

CHIEF OF PARTY:

A. P. Ratti

DESCRIPTIVE REPORT TO ACCOMPANY TOPO SHEET 4216

Instructions:

This survey was made under instructions dated March 19, 1928.

Extent:

This sheet comprises a shore line survey from a point 2 miles south of Coquille River entrance to Lat. 42-57. This sheet joins on the North with sheet A, 1:10,000 and on the south with sheet 4217.

Survey Methods:

The shore line was rodded in by the usual plane table methods, using topographic stations established by E.H. Bernstein in 1925 for control. Triangulation station GRASS could not be found. A few additional stations were established; these are shown with larger red circles than those established by Mr. Bernstein.

Description:

From the Northern limits of this sheet to China Creek is a continuation of the cliff line of the Bandon sheet with detached rocks along s shore. The area, south of China Creek is low and flat and covered with small sand dunes which shift continually in the strong N.W. winds prevailing along this coast. Triangulation station DUNE is on the only large prominent sand dune along this coast. The tree line was obtained by cuts and sketching. There is very little vegetation on the sand west of the tree line. The lagoon from New Lake at the south end of the sheet, had, at the time of the survey, no outlet to the sea. However this will probably be cut through before long.

Statistics:

Statute miles of shore line 11.5
" " creeks and lagoons 10.0

Respectfully submitted,

Thos B Reed

Approved,

Augustus P. Ratte

Chief of Party.

Inspected and found adequate. The junctions with the adjoining sheets are satisfactory and the specific instructions were complied with.

E. V. Davis

Feb. 1929

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: Oregon

11-5613

DESCRIPTIVE REPORT.

TOPO Sheet No. C 4217

LOCALITY:

North of Cape Blanco

1918

CHIEF OF PARTY:

A. P. Ratti

DESCRIPTIVE REPORT TO ACCOMPANY TOPO SHEET 4217

Instructions:

This survey was made under instructions dated March 19, 1928.

Extent:

This sheet comprises a shore line survey between Lat 42-57 and Blacklock Point. This sheet joins on the north with Sheet 4216, 1:20,000 and on the south with Sheet D 1:10,000.

Survey Methods:

The shore line was rodded in by the usual plane table method, using topographic stations established by E.H. Bernstein in 1925 for control. A few additional stations were established; these are shown with larger red circles than those established by Mr. Bernstein.

Description:

North of Flores Lake the shore is low flat sand through which runs a long lagoon which connects with Flores Lake and Flores Creek as shown. Flores lake is large and from 40 to 60 feet deep over most of it, I was told. South of Flores Lake there is a cliff about 60 feet high along the shore. This cliff increases in height to about 160 feet at Blacklock Point. The shore line shown in ink between Cape Blanco and Castle Rock was run by Mr. Bernstein in 1925. This section was rerun on topo sheet D.

Statistics:

Statute miles of shore line	5.5
" " creeks, lakes and lagoons	8.0

Respectfully submitted,

Approved,

Augustus P. Ratte

Chief of party.

Thos B Reed

Inspected and found adequate. The junction with the adjoining sheets are satisfactory and the specific instructions were complied with.

E. B. Reed, January, 1929.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

4216

U. S. Coast and Geodetic Survey.

Register No. *B* 4216

State *Oregon*

General locality *Pacific Coast*

Locality *South of Coquille River*

Chief of party *Edgar H. Bernstein*

Surveyed by *E. H. Bernstein*

Date of survey *October 1925*

Scale *1:20,000*

Heights in feet above *None*

Contour interval *none*

Inked by *EHB* Lettered by

Records accompanying sheet (check those forwarded): Photographs,

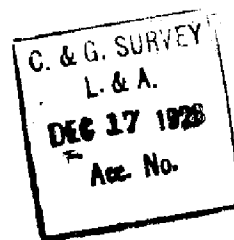
Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet *Description*

of recoverable stations.

Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO.

TOPOGRAPHIC TITLE SHEET
Additional Work on original ~~w~~ 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. B

REGISTER NO. 4216 Add'l. Wk.

State Oregon

General locality Coast

Locality South of Coquille River

Scale 1:20,000 Date of survey October 1925
June, 192 8

Vessel Chartered Launch "ROGUE"

Chief of Party A. P. Ratti

Surveyed by E. H. Bernstein and Thos. B. Reed

Inked by E. H. Bernstein and Thos. B. Reed

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

Contour, Approximate contour, Form line interval _____ feet

Instructions dated March 19, 1928

Remarks: Shore line survey from a point 2mi. south of Coquille
River entrance to lat. 42-57

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

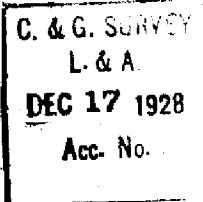
4217

U. S. Coast and Geodetic Survey.

Register No. *C* 4217

State . . . *Oregon*
General locality *Pacific Coast*
Locality *North of Cape Blanco*
Chief of party *Edgar H. Bernstein*
Surveyed by *E. H. Bernstein*
Date of survey *October 1925*
Scale . . . *1:20,000*
Heights in feet above *None*
Contour interval *None*
Inked by *EHB* . . . Lettered by
Records accompanying sheet (check those forwarded): Photographs, ☒
Descriptive report, ☒ Horizontal angle books, Field computations, ☒
Data from other sources affecting sheet *Descriptions of stations.*
Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO.

TOPOGRAPHIC TITLE SHEET
Additional Work on original 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. C

REGISTER NO. 4217 Add'l Work

State Oregon

General locality Coast

Locality North of Cape Blanco

Scale 1:20,000 Date of survey October 1925
June 1926

Vessel Chartered launch "BOGUE"

Chief of Party A. P. Battl

Surveyed by E. H. Bernstein and Thos. B. Reed

Inked by E. H. Bernstein and Thos. B. Reed

Heights in feet above H.W. to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval feet

Instructions dated March 19, 1926

Remarks: Shore line survey between Lat. 42-57 and Blacklock Pt.