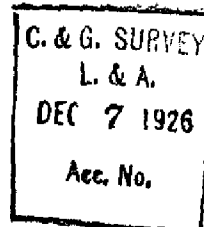


4215

4215

Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <u>Oregon</u>
11-5613
DESCRIPTIVE REPORT. A Topographic Sheet No. <u>4215</u>
LOCALITY: <u>Pacific Coast</u> <u>Coquille River to</u> <u>Fivemile Pt.</u>
<u>1925</u>
CHIEF OF PARTY: <u>E. H. Bernstein</u>



DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY.*

E. Lester Jones, Director.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET "A"

COAST OF OREGON

Between Coos Bay & Coquille River.

October 1925.

10 pages.

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

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET A.

PURPOSE: The purpose of this topographic survey was to locate the high water shore line, immediate shore line features and natural and artificial objects to be used as hydrographic signals.

CONTROL: Triangulation station SPUR to the south with Coquille Rock Light House and Bandon American Legion Flagstaff for resection and triangulation station FIVE, Flat rock and Sharp Rock seven miles to the north;

Due to haze and fog none of these could be seen during the progress of the work except immediately after departure from one and close approach to another, after the first orientation at the start of the work:

A signal building party preceeded the survey and erected frame and whitewashed signals where natural objects were not sufficiently plentiful.

METHOD OF PROCEDURE: Plane table at triangulation station Spur, using FIVE for orientation. Direction lines were drawn to various stations to northward including USE. Plane table at USE, using SPUR for orientation. Position determined by resection upon American Legion Flagstaff, Bandon; using Coquille Rock Light House as a check. From this point stadia traverse was used for the remainder of the work, north and south.

CLOSING ERROR: Due to atmospheric conditions the stadia rod could be read only with difficulty looking north, and the stadia rod graduations could not be distinguished looking south, so that stadia distances could not be checked with a second reading.

The closing error was 110 meters in direction and accurate in azimuth. Stadia distances between plane table positions which due to their variations from the average seemed to indicate a source of large error were checked by tape. These were found to check within 1%, that is the stadia distances were 3 and 4 meters short on 400 meter distances. Since this was the error of the entire traverse, the error was adjusted on the traverse between USE and Five. The location of USE was checked as accurate by a traverse between USE and Coquille Rock Light House.

SHORE LINE FEATURES: From the north jetty at the mouth of the Coquille River, northward the shore line is a sandy beach to Five Mile Point with the exception of one individual rocky point about 350 meters south of Five Mile Point. It is quite regular and straight trending N.N.W. to within 0.3 miles of Five Mile Point where it curves to N x E out to Five Mile Point.

There are two fresh water creeks, Cut Creek and Whiskey Run Creek, which carry water the year around.

Between Coquille River and Cut Creek, from the beach one mile inland is an area of shifting sand meadows. Bordering the sand is a wooded area, grading into the heavier timber inland.

Just north of Cut Creek is the southern extremity of a sandstone bluff, about 100 feet in elevation which extends, generally paralleling the beach, to the northern limit of the survey. Inland from the top of this bluff are sparsely wooded sand fields.

The surf has a wide wash on this beach and seldom is the high water shore line distinctly in evidence.

Due to lack of time and necessity for it the survey was not continued north of Five Mile Point.

AUTHORITY: Orders dated August 31, 1925.

LIST OF RECOVERABLE OBJECTS.

Object & Des.	Latitude	D.M.	Longitude	D.P.	Remarks
Ban. (Whitewashed rock on point south of Five mile point.)	43-13	111	124-23	992	about 80-ft.
Shack. ✓	43-12	1740	124-23	845	60-ft. N.W. Corner shingle shack, on benchin Bluff.
Mal ✓	43-12	1640	124-23	858	10-ft Small pointed rock at foot of bluff.
Wash ✓	43-12	1372	124-23	845	16-ft Grey vertical pillar at foot of bluff.
Boil	43-12	251	124-23	996	80-ft. Metal pole near boiler in benchin bluff.
Turf ✓	43-11	1570	124-23	1079	Turf covered sand knoll top of bluff
Hump ✓	43-11	546	124-23	1190	Hump in top of bluff.
Gin ✓	43-11	414	124-23	1304	Gin pole of log lifting derrick.
Tie ✓	43-11	206	124-24	20	North west corner of shack.
Tan ✓	43-11	00	124-24	35	Ladder on wooden water tank.
Wound ✓	43-10	1416	124-24	212	Lone Telephone Pole
Mark ✓	43-10	1111	124-24	178	Top of irregular cone shaped sand dune.
Me ✓	43-10	539	124-24	543	South cabin on wreck of Str ACME.
Shed ✓	43-10	419	124-24	425	North west corner of shed.
Shan ✓	43-10	78	124-24	413	Ventilator on lone shanty.

Objects & Des.	Latitude	D.M.	Longitude	D.P.	Remarks
Hum	43-10	10	124-24	611	Top of lone grass hummock.
Chim ✓	43-09	634	124-24	689	Chimney of lone house in sand meadows.
Lar ✓	43-09	938	124-24	882	Marked with pipe and cement
Root ✓	43-09	420	124-24	1069	Large mass roots
Tin ✓	43-09	259	124-24	1057	Marked by pipe and cement
Two ✓	43-08	1407	124-24	1257	Marked by pipe and cement.
One ✓	43-08	685	124-24	112	Marked by pipe and cement.
Rear Range ✓	43-08	1291	124-24	716	Rear channel range
Pile ✓	43-08	881	124-24	941	Tallest of four piling
Front Range ✓	43-08	539	124-24	1051	Front Channel Range
Shack ✓	43-08	385	124-24	1093	South west corner of shack
Use ✓	43-07	1440	124-25	373	U.S. Engineers signal, built on small mound.
Can ✓	43-07	1241	124-25	375	South west cone shaped sand dune
Mast ✓	43-07	960	124-25	422	Flagstaff Lightkeeper's quarters.
Jet ✓	43-07	876	124-25	893	End of North Jetty
✓	43-07	732	124-25	967	Bell near end of south Jetty

DESCRIPTIONS OF STATIONS ON BEACH NORTH OF BANDON.

Sheet 1.

GIN. Lat. $43^{\circ}-11'$ (414 meters).
Long. $124^{\circ}-23'$ (1304 meters).

Gin pole or derrick, for lifting logs from beach to top of bluff, on face of bluff. 230 meters north of mouth of Cut Creek. 2.3 miles south of triangulation station FINE.

HUMP. Lat. $43^{\circ}-11'$ (546 Meters).
Long. $124^{\circ}-23'$ (1190 meters).

Distinctive hump of top of bluff. 2.2 miles south of triangulation station FINE. 400 meters north of Cut Creek.

TURF. Lat. $43^{\circ}-11'$ (1570 meters)
Long. $124^{\circ}-23'$ (1079 meters).

Shaped, turf covered sand knoll, on top of bluff. Very prominent.
1.6 miles south of triangulation station FINE. 0.9 miles north of Cut Creek.

POL. Lat. $43^{\circ}-12'$ (251 meters).
Long. $124^{\circ}-23'$ (996 meters).

Yellow metal pole near whitewashed boiler on mining operations. One half way between triangulation station FINE and Cut Creek. It is on bench in cut in bluff.

Wash. Lat. $43^{\circ}-12'$ (1372 meters)
Long. $124^{\circ}-23'$ (845 meters).

Grey rock, 12 feet vertical pillar, whitewashed. 0.55 miles south of triangulation station FINE. 100 meters north of Whiskey Run Creek, at foot of bluff.

Me. Lat. $43^{\circ}-10'$ (539 meters).
Long. $124^{\circ}-24'$ (543 meters).

South cabin on wreck of Str. Acme. On high water shore line. 3.3 miles north along beach from Coquille Rock Light House..

Mark.,. Lat. $43^{\circ}-10'$ (1111 meters).
(cut) Long. $124^{\circ}-24'$ (178 meters).

Top of irregular concealed shaped sand dune in sand ridge. 0.6 miles south of mouth of Cut Creek. It is at northern limit of one system of sand dunes, just south of slight break in ridge. 170 meters from high water shore line.
Mark: Standard U.S.C. & G.S. Hydrographic bronze disk imbedded in cement.

WOUND. Lat $43^{\circ}-10'$ (1416 meters)
(won) Long. $124^{\circ}-24'$ (212 meters).

Lone telephone pole on beach. 0.4 miles south of mouth of Cut Creek. Pole had two small cross bars and was wound with cloth. 20 meters from high water shore line.
Mark: None.

TAN. Lat. $43^{\circ}-11'$ (206 meters).
Long. $124^{\circ}-24'$ (35 meters).

Ladder on wooden water tank of old mine operations. 220 meters south of mouth of Cut Creek .
Mark: None.

TIE. Lat. $43^{\circ}-11'$ (206 meters).
Long. $124^{\circ}-24'$ (20 meters).

N.W. corner of shack. Just off bluff, 40 meters north of Cut Creek. 2.4 miles south of triangulation station FINE.
Mark: None.

BAR. Lat. $43^{\circ}-09'$ (938 meters).
Long. $124^{\circ}-24'$ (882 meters).

65 meters from high water shore line.
Behind a log on sea edge of small but distinct sand ridge paralleling beach. 63 meters from inland edge of ridge, 2.5 miles north along beach from Coquille Rock Light House.
CHIM 207 meters S.E.

Chim. Lat. $43^{\circ}-09'$ (634 meters).
Long. $124^{\circ}-24'$ (689 meters).
Chimney on southern wall of lone house on sand meadows. Yard fence around house.
2.3 miles N x E from Coquille Rock Light House.

HUM. Lat. $43^{\circ}-10'$ (10 meters).
Long. $124^{\circ}-24'$ (611 meters).

Three miles north along beach from Coquille Rock Light House. Lone grass hummock 60 meters from high water shore line, on top of small but distinct sand ridge paralleling beach. Reference: It is the grass hummock furthest south.

SHAN 210 meters E x N.

Mark: 3 feet - $1/2$ inch cast iron pipe set in cement, 8 inches above surface.

SHAN Lat. $43^{\circ}-10'$ (78 meters).
Han) Long. $124^{\circ}-24'$ (413 meters).
31 miles N x E from Coquille Rock Light House. Chimney lone shanty in sand meadows with cowl ventilator from wrecked ship for chimney.

SHED. Lat. $43^{\circ}-10'$ (419 meters).
(Hed) Long. $124^{\circ}-24'$ (425 meters).
N.W. corner of shed in sand field just inland from sand ridge.
It is 3.2 miles north along beach from Coquille Light House.

TWO. Lat. $43^{\circ}-08'$ (1407 meters)
Long. $124^{\circ}-24'$ (1257 meters).
1.5 miles north along beach from Coquille Rock Light House.
85 meters from high water shore line on sea edge of small but distinct sand ridge paralleling beach, 27 meters from inland edge of ridge.
Station is just north of being in range with Front channel range and stacks of Moore Mill.
Mark: 3 feet - $1/2$ inch Cast Iron pipe set in slug of cement with 6 inches of pipe above surface.

TIN. Lat. $43^{\circ}-09'$ (259 meters)
Long. $124^{\circ}-24'$ (1057 meters).
70 meters from highwater shore line, on top of small but distinct sand ridge paralleling beach, 20 meters from sea edge and 30 meters from inland edge of ridge.
Sketch:

Reference: Large root, 161 meters north. $3-1/2'$ log end, all but about 12' of log buried in sand, with buried end towards beach, 20 meters north.
Station is 2 miles along beach from Coquille Rock Light House.

Signal was cross boards on short stump of small snag with roots in sand.
 Mark: 3 feet - 1/2" cast iron pipe set in cement with 12" above surface.

Root. Lat. 43°-09' (420 meters)
 Long. 124°-24' (1067 meters).
 Distinctive mass of Roots on beach imbedded in sand, with highest part 10 feet out of sand.
 35 miles from high water shore line.
 Mark: None.
 Station is 2.1 miles north of Coquille Rock Light House.

Shack. Lat 43°-08' (385 meters)
 Long. 124°-24' (1093 meters).
 S.W. corner of shack, near front range for Coquille river channel above bend.
 1589 meters N.N.E. from Coquille River Rock Light House.

Front Range. Lat. 43°-08' (539 meters).
 Long. 124°-24' (1093 meters).
 First channel beacon, Coquille River above first bend in channel.
 1745 meters N.N.E. from Coquille River Rock Light House.

PILE. Lat. 43°-08' (881 meters).
 Long. 124°-24' (941 meters).
 Tallest of four piling near western shore ~~line~~ of Coquille River, between F. & RR.

REAR RANGE. Lat: 43°-08' (1291 meters)
 Long. 124°-24' (716 meters).
 Rear channel Range, 822 meters N x E from F. R.

ONE. Lat. 43°-08' (658 meters)
 Long. 124°-25' (112 meters).
 75 meters from High water shore line, on sea edge of small but distinct sand ridge paralleling beach. On small flat topped knoll 23 meters from inland edge of ridge. End of 6 foot diameter log, 40 feet long, 53 meters to north. 1.1 miles along beach north of Coquille Rock Light House.
 Mark: 3 feet - 1/2" C.I. pipe, in sand with 6 inches above surface.
 Concrete mass as surface of ground.

MAST. Lat. $43^{\circ}-07'$ (960 meters)
Long. $124^{\circ}-25'$ (422-meters)

Flagstaff at Coquille Rock Light House Keeper's
quarters.

157 meters N.E. from triangulation station COQUILLE
ROCK LIGHT HOUSE.

CON. Lat. $43^{\circ}-07'$ (1241 meters)
Long. $124^{\circ}-25'$ (375 meters).

Conical topped sand dune, furthest southwest and
smallest top area of two sand dunes.

417 meters N x E from triangulation station COQUILLE
ROCK LIGHT HOUSE.

Marks: None.

USE. Lat. $43^{\circ}-07'$ (1440 meters)
Long. $124^{\circ}-25'$ (373 meters).

U.S. Engineers Signal Mound.

Strongly built pyramid signal surmounted by cross
boards.

604 meters N $1/2$ E from Coquille Rock Light House.

JET. Lat. $43^{\circ}-07'$ (732 meters)
Long. $124^{\circ}-25'$ (893 meters)

End of elevated railway, north jetty, Bandon, Oregon
bar.

$3/8$ miles west from Coquille Rock Light House.

BELL. Lat. $43^{\circ}-07'$ (732 meters)
Long. $124^{\circ}-25'$ (967 meters).

Top of bell near end of south jetty, elevated
railway, Bandon, Oregon.

445 meters W x S from Coquille Rock Light House.

MAL. Lat. $43^{\circ}-12'$ (1640 meters)
 Long. $124^{\circ}-23'$ (858 meters).

Small painted rock at foot of bluff. Whitewashed
0.4 miles south of triangulation station FINE. 0.25 miles
north of Whiskey Run Creek.

SHIN. Lat. $43^{\circ}-12'$ (1740 meters)
 Long. $124^{\circ}-23'$ (845 meters).

N.W. corner of shingled shack on shelf in ~~rock~~
face of bluff. 0.3 miles south of triangulation station FINE.
0.3 miles north of Whiskey Run Creek.

BAN. Lat. $43^{\circ}-13'$ (111 meters)
 Long. $124^{\circ}-23'$ (992 meters).

Rock on prominent point of bluff 290 meters south
of triangulation station FINE, about 100 feet above water.
From beach the bluff is vertical to this point, then slopes to
top of main bluff.

Near forked rock with fork showing from north and
south. Whitewashed.

S T A T I S T I C S

	: Miles of	: Stations	: Recoverable	: Land	: Permanent station	: Miles
	: Traverse	: Located	: Stations	: Marks	: Marks Placed	: of shore
	:	:	:	:	:	: Line
	:	:	:	:	:	:
Number of=	: 57.5	: 38	: 31	: 8	: 6	: 6.8
	:	:	:	:	:	:

HIST OF LANDMARKS:

Coquille River Coast Guard Station, Bandon, Oregon.

End of North Jetty, Coquille River.

Bell near end of South Jetty, Coquille River.

Coquille Rock Light House.

Conical shaped, turf covered hill just north of Light house.

The wreck of the Steamer ACME.

Sharp rock off Five Mile Point.

Large flat rock off Five Mile Point.

Respectfully submitted

Virgil A. Powell

Virgil A. Powell

Aid, U.S. Coast and Geodetic Survey.

Approved:

E.H. Bernstein

E.H. Bernstein

Chief of Party.

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.

4215

U. S. Coast and Geodetic Survey.

Register No. *A* 4215

State . . . *Oregon*
General locality *Pacific Coast*
Locality *North of Coquille River* Coquille River to Five mile Pt.
Chief of party *Edgar A. Bernstein*
Surveyed by *W. A. Powell*
Date of survey *October 1925*
Scale *1:20,000*
Heights in feet above *None*
Contour interval *None* feet
Inked by *V.A.P.* Lettered by *C.A.B. & V.A.P.*
Records accompanying sheet (check those forwarded): Photographs, ☒
Descriptive report, Horizontal angle books, Field computations, ☒
Data from other sources affecting sheet

Remarks:

Description of stations, (topo.) included with descriptive report.