Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: Alaska

DESCRIPTIVE REPORT.

Top. Sheet No. 3110 3111 3112

LOCALITY: Wrangell Straits

1900

CHIEF OF PARTY: [Signature]
Description Report to accompany topographical sheet 44 E. 3110, 3111, 3112.

Ward and Street, N. Alaska

Topography drawing, August 1910.
Preparation Report to accompany
Topographic Sheets 1-2-3 of Deer and
Barrow, Alaska

Topographic survey was
made with the planimeter and
was controlled by survey control points. Triangulation through
the stations by the U.S.G.S. and at
each end by the U.S.C.P.

On the east side of the forest
is the forest. The ground is high
and irregular, consisting of a series of
valleys and peaks, the highest of
the latter having an elevation of 3200
ft. It is not shown on the P.H. sheet.

From Pt. 10 & Pt. 11 on the eastward and the
Shore line is marked by the rocky
ledge, with either a sharp or boulder
base. Northward from the Point
the shore is low. The free line extend-
ning to the high water line.

About 4 miles in a nortly
direction from Pt. Alexander are several
rocks, about 1 mile of shore.
The largest of these are not seen.
Rocky ledges extend off St. Alexander for less than 1/2 mile, covering at 1/2 mile from the West side of the ridge, at the partition, and so similar to that on the East side. The land is lower, consisting of a series of heavily wooded ridges; the highest elevation does not exceed 50 feet.

Only from the entrance, about 1/3 of a mile off shore—across rocks, the most eastern one having an elevation of about 160 feet above the plane of M. 1 W. 1/2 mile from the rock—is another with an elevation of about 6 feet above the plane. These elevations were obtained by leveling from the western edge to the highest point of each rock, computing the elevations at the gun turrets, using Peter's productions in 1920-tile plates. Field observations were made at the turrets, and elevations obtained in the manner described are subject to a possible error of about 10 feet.
Land records will be found in a book marked "Klant Island" triangulation in Wrangell Strait. West from the rock is another tree 25 feet.

West from this is another tree at all times. About 1/2 mile off, from a long 133 or so a small rocky islet covered with a few scattered trees.

1/2 mile West from this islet is a small rock probably awash at high tide.

About 1 1/2 miles N.W. from Pt. Alice, another and about 1 1/2 mile west from the east shore of the strait is Midway Rock. The rock is bare at about 3 feet from high water. The rock is steep to.

West from Midway Rock, the weather becomes poor, forming a light. Ships, waiting for high tide, pass through the straits and anchor at the mouth of this light. A large island projects from the S. end of this light which is covered with a small high water island by a reef.


A grassy area of tents across the
water island, giving it a faire appear-
dance. The appearance of a double
island NW 3/4 N, about 70 feet
from the island in the middle of the
entrance to the inner light, a large
sand and boulders about 200 feet
state. The channel is connected with
the SW shore of a grand rock
Deception Pt. forms the northern
extremity of the light.

Southward from this point, for
about 1 mile to first lock, then
channel rocky with a broken stone
and boulders. Channel NW 5 from Deception
Pt., on the eastern shore, 1 a small
light, firm from current, and sand
as an anchorage by the ceremony.

If bottom, good holding ground.

The northern end of the light terminates in
what appears to be an island, but
which is connected with the shore by a
narrow grassy neck. It is called
Grinder Pt. In the immediate
vicinity of this Pt. a rocky beach of
considerable of both game at 1 W. From this Dr. for about 3/4 mile the
pylons tend north forming a peculiar ledge which was used by the Gidney
and has been used by other house tenders as an anchorage. Considerable
current in ebb tide well to favor these
piles. A movement of sand swirls into this ledge. The greatest part of the
stream disappears through a gravel
flast, 1/4 mile leeward. From
Deer Run Pt. for 3/4 mile the catt
show up-step to terminating on a
large sand flat, which lasts for about
1/2 of a mile offshore at 1 W. The
limits of the sandbar determined from
red readings taken at 1 W. A man
named Mason is establishing a home
there. A mountain stream per
me. terraces about 1/2 mile seaward
at an elevation of about 250 feet. The
stream has a drop of approximately 40
feet from 1/2 of a mile SE from his home
he commenced to construct a wheel
9 years ago. It still is necessary
to extend it a couple of tents before it will be of any use.

To the town of Battleford, From
At Lovejoy Fort as far as a distance of about 14 miles or less. From Lovejoy Fort about the same distance limits the place a pocket point project or which is denoted. At Lovejoy Fort, From
The Br. The shore turns W by N
About 1/4 mile from the Br., on the west shore a light is to be established with a red sector showing 1/2 E of N. To be of distant about 1/2 mile in a N by E direction. The light will form a range with the proposed light in the rock detached from the West side of N. Battery Point 1/2 mile N by W from Lt. Lovejoy Br. The direction of the range is
N by W and at clear Blake Rock
About 1/4 mile from Lt. Lovejoy Br., on the S. W. edge of the W. line of S. Battery. It is proposed to establish a light which to range with the N. Battery Light and clear Blake Rock. 1/2 mile. On the Battery Point form
a group of three small islets. The southern one has a pebbly growth of brush, and small trees out, the middle one is rocky, and almost approach at All. The northern islet is well wooded and has an elevation of about 40 feet. A small house has been erected on both the northern and southern islets for the storage of oil.

Continue up along the West shore from Pt. Lacheveda Bar, for about a mile a tree with white marks toward one will be found, 1/2 E. E. from the mouth of a small stream. This is probably an old range 100 meters N.W. 1/4 N. about 150 feet from this range will be found an abandonded prospector's shack. 350 feet N. E. from the shack, 175 feet from is a large rock face about 124. About 100 feet off the shore of the strands N. W. from the mouth of N. Battery Id. is a rock covering at half tide. The channel to the Westbound of these islands is broad almost exclusively, though the
Eastern Channel is occasionally used by one of the larger steamers, when approaching another Channel. Head on. Those familiar with the eastern Channel are not advised to attempt its passage.

From the Battery Island, the Channel runs in a N.W. direction for about 1½ miles, where Breaker Rocks enter from the Westward. To therefore Boats on the Westward about 1½ miles from Battery Island. Thence turns in a W.S.W. direction for ½ of a mile, then south, forming a light pyramidal cape, and of about 300 yards wide. Thence at L.W. to the limit to show a light from this light to another, dry, also at L.W., with a small L.W. light in the centre. Thence is composed of gravel and sand. There are a few large, and numerous small, buildings on the light. Thence follows a S.W. direction beyond this light. There are numerous Islands in the Passage. Here the line of its junction with the Strait.
About 14 miles N.E. from Kane I. as small wooded I. covered with
conspicuous trees and underbrush. Oar and great back. A large
rock dominates this island and it
seems possible at all to pass from it to
Kane I. From the northern extremity
of Kane I. a large surf breaks to the
southern shore. The surf is very rough
in the passage of the tide, going against
the predictions of men on foot.
Ex N. from the position on of Kane I.
the Cape Rock distant 1.49 feet from
the W. tip of this eastern shore.
The rocks here about one foot and a half
a large surf, patch, surrounds it 2. To
may be passed on either side. The
danger. Keep land and back两地
ad ahed a. Chart. It is proposed
to omit a paddle. Be lighted on the
rock, but until they are done, the
range indicated on the Chart, as not
will soon to locate the rock if the scope
a come in place. The range was
obtained while standing on Spike Rock.
... Ely from Reenr. are several or
the great part of the leading
mound. These led are separated
from the mouth channel which
lay at 14 N. quick water about
325 feet off the position of the
largest 14. The channel and tide-
water lead about 14 miles long and
several miles. The water level at the S.
side is marked by a low rocky ledge.
The east side is partly gravel and
marshy. The channel on the NN
side of Reenr. is found. The rocks
and reefs shown having two caves
depth readings at 14 W. They form
about 200 miles N.W. of
Ely, rocks, contact belt, marked by
edge of a rocky promontory extending from the
cast. The is designated as East
Beacon or more commonly be Pilots Rock
for the W. S. Survey. The Promontory
at 14 10. 5, 14 10 N. distant 1 mile
from Ely. Rocks, is on the
Nwest 10 miles and
gage over the rocks, Ely Reenr. N.W.
....
450 feet north from the Ben Forman house for the storage of oil and an American grain elevator located on it. The
gravel agreement mark is 
the island has a few tamarak and stunted 
tree growing on it. The bay with a 
hard back and a woman swimming 
from Batting Bluff N.W. The 
eastern shore of the Strait is almost 
straight, with a low back covered with 
small boulders and broken stones.

1/4 mile from Burnt Id. Pt. is Burnt Id. Pt. The shore is immediately by 
redwood and low water. M. Eden feeding 
for the work. The preference and is 
marked by Red E of 1/2 from the point. 
The slope town on a N.E. clarement point. 

Spear Pt. indicated about 1/8 mile, as 
reached N.W. from Burnt Id. Pt. 
Spear Pt. the channel average is 20 feet above 
40 miles about 1/2 from Bume 
Id. Pt. A large flat island off the east 
shore which face at 1/2. This face is 
covered with sand, gravel and small 
boulders forming a hard beach.
About ¾ mile from the Bar on the
southeastern side a ledge, rocky and
covered with seaweed. This ledge
is marked by a tower of rock and
calcareous deposits. In the water near
the dolphin is a small house, said to
be a cottage of old times. When
northbound, the dolphin and tree
are left on the starboard. N 45° 27'
from the dolphin distant 1 mile,
progressing to a low, grassy point on
the chart, where a point consisting of
rocks and boulders. This point is
marked by black buoy "K." The channel
in the vicinity is SW mag. 1 mile.

About 1½ mile N 3° E from the dolphin
near the east shore, a north ledge
marked by a white buoy. From Barojo
Quay, the chart shows following a northerly
direction, until North ledge. The
ledge turns due N ¾ E direction
for a distance of about 1 mile forming
a high wave light. This light and its
shadows is less than 15 mile wide.
The northern shore forms a false island, about 1/4 mile long, in an E-W direction. The island is connected to the shore by a narrow gravel neck. There is a break at NW. It is termed the Grace Pt. On each end of the neck is a grassy area, easily picked up during the day, from points to the northward. Each of these islands is a small unoccupied town.

North edge, 0.4 miles N of North Pt. On a small high cliff, within a patch of Bush. Offshore, near the northern extremity of a shoal, surrounding Bush Pt. The Pt. is surrounded about 150 feet from the edge. The shoal, Bush, is about 400 feet NW x NW from the Pt. There are several small houses with grass roofs. The northern end is bordered by a few bushes growing along the small house for the storage of oil. An oil tank truck goes along the southern end and a packed gravel path extends, terminating on a small mound, which is almost even with NW.
From shoreline Pt. S E 3° N 4° E for about quarter mile, then N NW by E for about half mile terminating at Anchor Pt. The reef forms a channel very slightly affected by currents. A small headlessly been from points to the west is located on the right and is marked by a tractor. Another Pt. is marked by a West Pt. SW W SW W from Anchor Pt. E as Colorado Reef. One at N W W and marked by the rock of Colorado, a hulk formerly used for carrying ore. The West Pt. shown in its true position as a reef SW W W from the reef is another rocky reef distant 340 feet, the eastern terminus of sand and change ahead. The West Pt. is low, grass covered, slightly irregular, with several small lights. West from the Colorado West Pt. an extensive shallow project from the West Pt. About a half mile W NW from the Colorado Pt. are a small high water reef consisting of gravel and cobbles, with a sparse covering of grass.
started from the chef and mouth from the Colorado's creek about 1/2 mile to an earlier sandy shelf, extending in a nearly east direction about 1/3 of a mile. The limits of the shelf are not accurately defined due to the rapid change in floor.

From Anchor Point: The shelf here follows an nearly east direction, as cut rapids by means of a lagoon, and forms a large inlet. As Illustrated with the exception of a narrow channel, known as Blind Throg, navigable only by small boats for a short distance. This channel is only a slightly raised sand and having been taken along it. Below the point, when the river narrows, the channel is only navigable for small boats at high tide and drifted. The channel is passed to divide into two parts, one going in the direction of Edelweiss, the other wooded. N. Westward called Clena be 1/3 of a mile, N. 1/2 East distant 1/3 of a mile to Blind Point, a patch of reeds.
A small building is indicated on the Western edge of Blunt Head. Two middle third boulders are too small to cause any damage. On the edge of the cliff about 25 feet from Blunt Head boulders come from talus at 1 W. About 30 feet NW x W from the point are the vacant buildings and slabs of used greenstone, of an old cairn. S W 2/4 W from the cairn, a large boulder has been driven, which is surmounted by a large boulder from this cairn, about 350 feet seaward. Both are to be left on the point on going north. WNW from this cairn is Leathem, and to the Leathem is marked the eastern extremity of the Island. Continuation north from Leathem. The eastern extremity of the cairn is rocky with a hard boulder. NW can be had connecting with Woody 2. The lighthouse surrounding Woody 2 to wind and shingle. The edge stands about 150 feet NE x 5 from the beacon.
Can heart the channel. Em the lead part of Woody & a. double, I add connect with a small head. I am at ordinary N.W. The channel West from Colorado City extends around Woody I to Roland Dr. Woody I is separated from the Westshore by a channel which is dry at 12.

V.W. from Vitation Dr. Br a.
dolphin has been seen. The dolphin was too far to be identified, but the person in charge of the destruction of these dolphins considered they are uncommonly located, and some change will be made. About 1/2 a mile in the same direction from Vitation Dr. Br. & Delco Rd. Br. in the northern extremity of a large H. W. light joined by Woody I to the intersection Extending from the northern end of Delco Dr. Br. leaving S.E. from the tracon a channel extends 4 miles. On its northern end are some buildings visible 1/4 mile, except the larger buildings. There, Table Dr...
The monochrome wire runs about 4 miles. The ex. & S. forming a concave for about 400 feet, then a small bend. From the head of the bend, a moderate, a gently varying, then a small spire in an ex. depression. On the ex. side, from 1/2 mile to 1/2 mile, the low waterline curves gently around, almost to Pelusa. On the inner side and around, with some gravel patches. The west shore is land, except a few and wooded. Sandhills about 1/2 mile lie prominent range. The island, where contours are shown, is land, and the shore, and the ridge are some part of a hill. The elevation and contours are given. If we turn for Dover and East Point, which we continue as a lower on the sheet, the area shown is low and wooded. The land from the salting follows a 1/2 mile SW & W direction for about 1/2 mile, then turns SW & W for about 1/4 mile, forming a high water mark. To the right, then, a SW & W direction forming danger Pt. S. S. W. from this point, about.
360 feet is a small grassy bank surrounding this bank. There is a depth of 90 feet, the nearest rocks. These shown on the chart are at low water, and have been located by reading. They are marked by open, rocky, and are shown. Vessel At First
The channel at this point is very narrow, 1/3 of a mile from Danger Pt. the channel, E.N.E. for about a mile forming a narrow light, SW 3/8 W from the bank on the southern end of this light, and distant from 1 1/2 of a mile en a bounding patch. From broken Pt. to low water line, the channel curves in a gentle curve, across the light, containing Bluff Light, so tangent to the former. Edge of the caving, which, extends about 20 feet west of the small grassy bank off Danger Pt. and passes with some irregularity around the cove, foreshortening north of the light.

The northern shore, of the light, north of Danger Pt. for a distance of 1/4 of a mile from its mouth follows a north direction, till Rock Point. South from.
...this point, the line water track, turns... also on a trouble caused, rocky point.

About 100 feet offshore, it is marked by a beacon and an old hulk. The Ruins, 1040 feet distant, are another rocky boulder patch, on the edge of the 1st Cliffs. It is marked by N.B. 5'4'.

About 660 feet, NWLy of the Ruins, is the Green Rocks Composition. They extend in a NW x W 35° direction for about 1 mile. They consist of two prominent rocks connected by a narrow area of hard rock. The south rock is bare at all stages of the tide, 12 feet covered, and is marked by a beacon. It is preferred to mark. The eastern edge of the rocks by a pole with light, the pole for which I have been looking. East from the light the rock appears to be detached. A small house, for the storage of oil, has been erected on S. Green Rocks. It is close to and N. NWly from the beacon. West Green Rock is covered at high water and is marked by a cri...
From Island Pt. the channel extends N.W. ½ W. for one mile to Dinge Pt. The channel, so far, is S.W. W. from N. to S. The rocky ledge extends from Dinge Pt. to the shore as low as low water is cut by numerous high water lights and follows a S.W. by S. direction to Green Point, about 1/3 mile from Island Pt. to Dinge Pt.

The low water track wandered, there, towards an average width of about 300 feet. From Dinge Pt. to Green Pt.

The low water track averaged 325 feet, in width. From N. W. W. from Dinge Pt. the channel is marked by a dolphin which is to be left on the left of the dolphin at the distance of one cable from the channel. The ships could safely pass on either side of the trench, the trench was located, at the time of the survey.
following a NE. NW. by direction for
about 4/3 of a mile. Here, it co-
cently branches to considerable
volcanic. The LL. branch along the
strip of shallow sand and gravel
anchorage may be seen, a
little to the SE. of the house on the
bank. The holding ground is good
and current determinations at various
points show, however, a little current.
This is perhaps one of the best
places on the bottom for a swim
party and some power could be
obtained from the falls, inundated
in the sheet. Only from this
anchorage a large flat extends
off the east side. The channel
between the creek from the east
and West Channel is less than
400 feet in width and follows a NW. W.
watercourse for a distance of 1/3 of
a mile. The East Channel then, for
the distance 1000 feet, is marked by
Shore Cliffs, 12 ft. high, 40 ft.
from bank. Mid Point of Ranges M. Island and
leaving N.W. form at 600 feet from
the Dolphin, is, 20 feet off
from 20 feet of the shallower
water, the depth, gradually increasing
following a N.E. by E. direction. N.E. W.
form 20 feet, being 24 feet, another 250
feet, in another 250
distant about 7/8 of a
mile. Beyond these being the
channel

On the West Choke, Green. 07
is marked by a white beacon
N.E. N. by N. from the beacon, distant
60 feet, save the edge of the hill
which is a tree and by large whites
at 240. The channel is about
350 feet by N.E. W. direction, then
turns south. The point there
formed is marked by black beacon
47. From Green 07. 05. The general
slope of the Choke is N.W. by N. to
Porka, distant 14 miles. Beyond
Green 07. 05. towards the shore
in two fathoms of water, then reading to
Porka. The true line extends to the
N.E. line. The Eastern Choke
follows the pole in general (direction) due west, there is a low shore line, partly sand and partly
which the two large churches consist of sand and grass and
covered with boulders on the lower
level, close to the Himalayas.

In the east along ESE from Tonko, a few pheas are standing
marking the site of an old half
man which precipitated the men
of sand which is a large sheet
former on the eastern shore.

This sheet is narrow and
which an extensive chasm joins
the southern edge of the sheet to
which the eastern part sand and
wood. A few small streams run
through it.

Correct - The streams in
the sheet than is the velocity
uprooted or the present sheet.
There is very little dust on the plains.

Note - The tusks do not appear
to rise out of tonko Pt, but come from
between N. 41.4 and Tonko, depending
wife of the test.

Contents: Conventions are

given for 80 fractional of the

like the ratio of one point
down the side and top of the

method as described. Through

the support to form with

the latter obtained from top of higher

peak. The line from December 27

indicated line of text is another

short distance of the top of the

peak E 7 from December 27 and

to within a shorter distance from the

top of the peak 7.7E from Green Pt

all the other otter older, see heavily,

Core, and elevations are those of the most

prominent land.

Water. May be obtained at

Torpo, River Bay or Otter Sluice.

Vacation. Magnetic meridians

are shown at frequent intervals

along the shelf. They are shown

here, and the points through

which they pass are indicated

by red dots. They are shown

for positions which measure more
triangulation stations, as was not to
duplicate declensions for declinations
20° 32', of which were taken through
the chart. One pet was taken on
the rocks S.W. from the fort then
inshore.

There was considerable difference
in the photo and while allowance was
made for this while carrying on the
photography and later when dealing off
the line of lights, it would be advisable to
check positions plotted for the photographic
photo by the magnetic angle, given to
both marked. For this triangulation

All these data have been
decided but lights had not been established.
Lights and markers were had over been
established, but the location of No. Battery it was
obtained from a stake for setting of on the
water and it proved to be unable to verify
then. Again to Mr. Sevah, in charge of
the work, a tracing showing all triangula-
tion stations throughout the area
and was all of the points on sheets 1–205.
...were, recovered, and repaired. One of the
should have been detached on a plane, being
chosen from the others.

The oil houses are about 3 ft.
ery, but as they are painted white,
they can readily be picked up at
night by passengers, which
passes through frequently at that
time. The talassaius, from our
distinctive features.

T. J. Maker
4-2-37
<table>
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