

4236

4236

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

....., Director

State: Washington

DESCRIPTIVE REPORT

<i>Topographic</i>	}	<i>Sheet No.</i>	4236	
<i>Hydrographic</i>		<i>Mountain Peaks and Prominent Objects</i>		

LOCALITY

Strait of Juan de Fuca

Port Discovery to

Glacier Pt., Vancouver I.

1926

CHIEF OF PARTY

H.A. Cotton

MOUNTAIN PEAKS

and other

PROMINENT OBJECTS

STRAITS OF JUAN DE FUCA

LOCATED BY

U. S. C. & G. SURVEY SHIP NATOMA

HAROLD A. COTTON, HYD. & GEO. ENGINEER COMMANDING

There are furnished herewith descriptions of Mountain Peaks and other prominent objects along the shores of the Straits of Juan de Fuca. These objects were located by the party of the NATOMA during the field season April 7th to July 13th, 1926 in accordance with the Directors Instructions dated March 4th, 1926.

2. In the following descriptions, these objects are grouped as follows

- I. Objects on United States (southern) side of Straits.
 - (a) Skyline peaks, etc.
 - (b) Peaks, etc. below the skyline.
- II. Objects on Canadian (northern) side of Straits.
 - (a) West of Race Rocks Light.
 - (b) East of Race Rocks Light.
- III. Prominent objects from Plane Table Sheets.

3. Practically all of the skyline peaks on the United States side of the Straits have snow during the winter season. Most of the higher ones (3500-4000 and higher) have some patches of snow until late in the summer. The higher the peak, the greater the quantity of snow. While the NATOMA was working in this vicinity, most or all of these skyline peaks were covered with clouds during the larger part of the time. This frequency with which they were covered with clouds considerably increased the difficulty of locating them and may in the future materially reduce their value as landmarks.

4. The peaks and other objects in the foreground (I(b)) will be particularly valuable during those periods that the skyline peaks are in the clouds.

5. The peaks etc. on the United States side of the Straits were mostly located by directions taken from stations on the Canadian side of the Straits. Special arrangements were necessary to secure permission to occupy these stations, the arrangements not being completed until after the middle of June.

6. On the Canadian side of the Straits, the peaks are not nearly as high as on the United States side, nor do they appear as prominent. The peaks located were selected as the most prominent in the locality.

7. Along the Canadian shore east of Race Rocks Light House practically no objects were located. For this section there are large scale detailed charts of Victoria and Esquimalt harbors and approaches. This area has been surveyed much more in detail than would be possible from the United States shore and the charts show many objects which can be used by the navigator. By far the most prominent of such objects are the two described viz TOWER and OBSERVATORY.

8. To all of the objects described have been prefixed one of the following marks. the indication of each mark being given.

* Of sufficient prominence to be charted.

Of decided use for a maneuvering chart.

Objects so marked are generally such as probably would not be readily identified on a single passage through the Straits but can be easily identified and used by anyone cruising in the Straits for a more or less extended period

⊕ An object of lesser prominence, possibly useful on a maneuvering chart.

9. In connection with this work there is being forwarded under separate cover the following

(a) Field notes of possible use in investigating other directions than those computed.

(b) Geological Survey maps on which are indicated many of the peaks located.

(c) Work sheet, projection 1/80,000, showing objects located by triangulation.

(d) Book of horizontal and vertical sextant angles taken to locate many of these peaks before Canadian stations were occupied.

Respectfully Submitted




HAROLD A. COTTON, H. & G. E.
Commanding NATOMA.

Enclosures as per paragraph two.

I. OBJECTS ON UNITED STATES (SOUTHERN) SIDE OF STRAITS

(a) SKYLINE PEAKS, ETC.
(Bare unless otherwise noted)

- ✓ * BIG $\Delta 17$ High rounded top on skyline ridge south of Twin Rivers. Point located is distinct knob on east end of summit. This peak is highest and most conspicuous in vicinity: it shows bare and light from eastward and has a spur ridge running toward shore.
- ✓ # WIN $\Delta 17$ To the west of BIG, there is a skyline ridge with four distinct high points. The center summits are higher but not as distinct tips as the end summits. WIN is the western end summit; it is quite a sharp distinct tip.
- ✓ # ARE Are is the eastern end summit of the above ridge; it is a square topped () peak with a spur ridge running toward shore.
- ✓ # WAVE Western and highest of two wooded knobs forming the most easterly high point of the same ridge of which BIG forms the westerly high point. This knob has a rather wavy top. The highest point was located. It is about the center point of the knob.
- * # LAT $\Delta 5$ Sourdough Mountain All of the above peaks (BIG, WIN, ARE, and WAVE) are on one main ridge running about parallel to the coast. Peaks LAT, NOT and FAR are on a higher ridge behind (to the south of) the first ridge. LAT is the first (most westerly) prominent peak visible on the ridge. It is a flat topped double peak, the eastern point of which was located. Viewed from the eastward there is a sharp nib to the right of the peak.
- ✓ # NOT $\Delta 15$ Aurora Peak On the same ridge and to the eastward of LAT. A summit with two rather sharp tops, the eastern of which is notched and so forming two tips. The point located is the eastern of the latter two.
- ✓ # FAR On the same ridge and to the eastward of LAT and NOT; NOT is about midway between LAT and FAR. This is a distinct high sharp peak showing clearly from north and west but frequently obscured from positions to the eastward. There is a spur ridge running down to the north and west and on the north face there is either a slide or a large bare area. Snow streaks in season. (No triangulation check. Check by sextant cuts, Position checks with Geological Survey Map.)

✓ * CON $\Delta 16$ Conspicuous rounded knob forming high point of summit of skyline ridge directly back of Crescent Bay. It is the highest and most prominent peak in the vicinity with the exception of RIG which is three miles to the eastward. From westward the top is decidedly rounded; from eastward it has a more sharp outline.

✓ * RIG $\Delta 15$ On skyline ridge forming western flank of Elwha River Valley; it is the highest point on the ridge as well as in this vicinity for many miles around. This summit has two high points; the western is a smoothly rounded top and the eastern is somewhat sharp. The western appears to be the highest and was the one located. It is a wooded peak.

✓ * ROCK $\Delta 15$ A large conspicuous dark brown rock face scar showing on the mountain side just below the eastern shoulder of the same ridge as that on which RIG is located. The eastern shoulder of this ridge is a rather distinct sharp corner; Rock is just below and a little to the west.

✓ * (#) VALL $\Delta 15$ Peak forming eastern tip of ridge behind Rock. From eastward this is a skyline ridge.

✓ * FIN & TAN $\Delta 15$ Peaks on the same ridge as and to the westward of VALL. Two high points on ridge about $\frac{1}{2}$ miles distant from each other. Eastern peak TAN; Western peak FIN. These peaks cannot be seen from westward.

✓ # OVAL $\Delta 14$ Rounded top summit forming western shoulder of high ridge behind Unicorn Peaks.

✓ # TOP $\Delta 14$ High flat dome shaped summit on the same ridge as and just to the east of OVAL; is distinctly the highest point on the ridge.

✓ * JACK & JILL $\Delta 14$ The Unicorn Peaks
Two conspicuous sharp pinnacle rock tips on the top of a ridge directly south of Angeles Point. They are only about 500 Meters distant from each other. From Port Angeles they are in range but from most other positions along and off shore they can both be seen.

✓ * HIGH & ANGELUS $\Delta 13, 14$ The two summits of rather the east and west tip of the HIGH(EAST)ridge forming the summit of the high conspicuous mountain directly behind Port Angeles. This peak is known as Mt. Angelus.
Mt. Angelus The two high points appear to set far back and are of about equal elevation.

- ✓ * SAW Δ 13 A saw toothed top directly in front of Mt. Angelus; the saw toothed outline is distinct from east and west but not from north. It is known as Second Top, HIGH(EAST) being the first top.
- ✓ * ROUND Δ 13 High conspicuous peak just east of Mt. Angelus. Only slightly lower than Mt. Angelus. From off shore the summit appears as an east and west ridge with a rounded wavy top. There is a notch just east of the high portion of the ridge; point located is just west of this notch. Peak is sometimes known as Klahhane Peak.
- ✓ # BOUL Δ 13 Distinctly bare, rather rounded, lower summit directly in front of Klahhane Peak. Summit appears as an immense boulder. This peak lies below Klahhane peak and accordingly does not stand out distinct from positions to north but is very distinct from positions east and west.
- ✓ * SUM Δ 13 Lower round topped, wooded summit just east of Klahhane peak. Much lower (about 1200ft.) than Klahhane peak.
- ✓ # KNOB Δ 12 On a skylind ridge behind and to the west of LONE. Ridge appears to run parallel to the coast. Knob is a distinct knob directly west of a straight portion of the ridge; to the west of it there are numerous knobs.
- ✓ * LONE Δ 12 A high rather isolated mountain south of Green Point. Top is somewhat flat and irregular, the summit appearing furthest back. From directly off shore, summit is center of three knobs.
- ✓ * SENT Δ 12 High conspicuous peak forming the eastern end of a high irregular skyline ridge behind and to the east of LONE. From the westward a lower peak shows just to the right.
- ✓ * NAR Δ 12 Top of a narrow lower ridge N. E. of SENT. A rounded wavy top with a trifle lower tip just to the westward.
- * BROW Δ 11 High distinct summit with brown diverging patch on north slope. Numerous high peaks behind to the westward.
- * LAST Δ 11 Top of the last high ridge to the eastward as seen from positions in the Straits of Juan de Fuca.
- * SYM Δ 11 Relatively low very symmetrical peak about midway between BROW and LAST.

I. OBJECTS ON UNITED STATES (SOUTHERN) SIDE OF STRAITS

(b) PEAKS ETC. BELOW THE SKYLINE

- 0 * DOME A rounded dome summit about a mile and a half north east of BIG. On a lower front ridge, ridge with BID, WAVE, ETC. being just behind it. When the back ridge is covered this is a very prominent peak.
- ✓ * FACE Large gray rock face scar on northeast side of DOME above.
- ✓ * DOUBLE $\Delta 16$ Upper of two very prominent rock scars on mountain side just east of DOME. Scars nearly in line vertically. Both scars are rather elongated vertically and colored dark brown.
- ✓ # GRAVEL $\Delta 16$ Oranged color gravel scar on west end of low ridge just ^{west}southeast of Low Point.
- ✓ * TRIM $\Delta 15$ An intermediate (in height) roughly pyramidal peak just south of Crescent Bay. Shows well from Freshwater Bay and westward. Does not show much east of Freshwater Bay. This is the highest peak in the foreground in this locality.
- ✓ # MIT $\Delta 16$ Rounded summit just south and east of Low Point. Closest to shore of the peaks approaching 2000 feet elevation. In range with Aurora peak ^(Net) and ~~not~~ Sugar Leaf Mountain. (South)
- ✓ # SOUTH $\Delta 16$ A high peak just east of WAVE and directly south of Low Point. Approximately the same elevation as WAVE. This is not a skyline peak but appears as a very regular slightly truncated peak just below the skyline and in the center of quite a large basin. The eastern corner of the top was located.
- ✓ 0 EAST $\Delta 16$ TRIM. An intermediate height about halfway between MIT and TRIM.
- ✓ * (#) RIGHT & LEFT $\Delta 15$ Two intermediate heights of nearly the same elevation on either side of the Elwha River; they are the highest peaks in front of and below the skyline ridge. RIGHT can be identified for a considerable distance to the eastward whence it appears as a rather rounded summit. RIGHT is the eastern end and LEFT the western end of the respective ridges.
- ✓ * STRIPE $\Delta 17$ Western and highest of two summits on headland between Crescent Bay and Freshwater Bay.

I OBJECTS ON UNITED STATES (SOUTHERN) SIDE OF STRAITS

(b) PEAKS ETC. BELOW THE SKYLINE

✓ #

⊙ NEAR

A prominent tip just in front of the Unicorn peaks. From Port Angeles this peak appears rather close, just west of the Unicorn peaks. Not very prominent from positions to the westward.

✓ *

TOM & HARRY } Δ 13

Mt. Pleasant

The western and eastern tips respectively of a lower rather prominent summit five miles southeast of Port Angeles. Easily identified from its position on the chart. This peak is directly south of Morse Point, is at the head of Morse Creek and just in front of Klahhane peak and Burnt Mountain. Harry, the eastern tip is the highest.

BACK Round Mt. Δ 12

The highest point of another intermediate summit just east of and further south than Mt. Pleasant (TOM and HARRY). About a thousand feet higher than Mt. Pleasant.

✓

* CROWN Δ 12

A very prominent lower summit just south of Dungeness Bay and west of Washington Harbor. Very symmetrical outline, slopes fully wooded and of rather gentle slope. From numerous positions the thick growth at the top appears as a distinct clump.

✓

* SHORE Δ 12

A lower summit about four miles west of CROWN. about the same elevation and very similar in appearance to CROWN. Top is not quite as sharp and there is no crowning clump. There are no other peaks in this vicinity appearing at all similar to these two peaks.

✓

* TUFT Δ 11

A very conspicuous tuft of trees on a low hill directly south of Protection Island. This hill is the first hill near shore from the eastward. It is the eastern end of a ridge between Port Discovery and Washington Harbor. The summit is generally bare except for this tuft of trees which is a little to the east of the highest point

✓

* GREEN Δ 11


On same general ridge as TUFT. There are four general high points on this ridge. Green is the third, TUFT being the first from eastward. This summit is wooded almost to the top but the top is a distinct bare tip, very green with grass and brush in season.

✓

WASH Δ 11

Rounded top directly behind Washington Harbor. The fourth and most westerly high point of the same ridge as that on which TUFT and GREEN are located. From certain angles a sort of vegetation streak runs directly to the top. Whole top thickly wooded.

OBJECTS ON
II. CANADIAN (NORTHERN) SIDE OF STRAITS
(a) WEST OF RACE ROCKS

- X
* WHITE A conspicuous large distinctly white boulder on the hillside about five miles west of Sheringham Light. Elevation about 2000ft.
NOTE. No check on this position. Cut from Tongue Point very evidently wrong; White probably cannot be seen from Tongue Point.
- ✓ * BROWN $\Delta 16$ A large rather conspicuous brown eroded patch on hillside two miles west of Sheringham Light. A small patch above and to the right will help identify it.
- ✓ ○ ARROW $\Delta 14$ A second large rather conspicuous brown patch on hillside; this one just east of Sheringham Light. Top is enlarged somewhat like 
- ✓ * DISH $\Delta 19$ Distinct high, very flatly rounded summit on skyline directly Sheringham Point. Tuft of trees just to left of center. Highest point in the vicinity.
- ✓ # LIGHT $\Delta 18$ High very sparsely wooded summit on skyline about midway between DISH and VAN.
- ✓ * SOOKE $\Delta 18$ Highest peak of group just north of Sooke basin. From west shows left hand and from east shows right hand. Mostly bare with numerous light brown patches (July).
- ✓ * VAN $\Delta 17$ High distant summit north of Sooke Basin. Pyramidal shaped Empress Pk peak with rounded tip at summit.
- ✓ ○ TWO $\Delta 18$ Right hand (easterly) shoulder of rather small low ridge just west of Otter Point. Top of ridge is rather flat and both shoulders have large brown patches. On the lower near shore slope of the ridge there is a very conspicuous large red boulding (this building could not be seen from the United States side)
- ✓ # MARK $\Delta 19$ High point of low hill at head of Sooke Inlet. Stands somewhat alone.
- ✓ # TREE $\Delta 14$ Highest and most westerly of the several hills east of MT. MAGUIRE Sooke Inlet and south of Sooke Basin.
- NECK $\Delta 16$ A round topped hill off the north east corner of Beachy Bay Very similar in appearance to DOT. Cannot be seen from eastward.

OBJECTS ON
II. CANADIAN (NORTHERN) SIDE OF STRAITS

(a) WEST OF RACE ROCKS

- ✓ * DOT ^{L14} A very conspicuous low almost semi-spherical hill on the most southerly point of the east side of Becher Bay.
- ✓ * DONALDSON ISLAND Refer to chart and B. C. Coast pilot.
- ✓ * BEDFORD ISLANDS Refer to chart and B. C. Coast Pilot.
BECHER BAY
- ✓ * BEECHY HEAD MONUMENT Beechy Head on which the Beechy Head monument is located is a very prominent headland and the monument itself can be seen for a considerable distance

II OBJECTS ON CANADIAN (NORTHERN) SHORE OF STRAITS

(b) East of Race Rocks Light

OBSERVATORY The prominent white dome of the Astronomical observatory on Saanich Hill. This dome is by far the most prominent landmark along the Straits.

TOWER A very prominent tall chimney like tower standing off to the east of Victoria. *Perhaps a standpipe.*

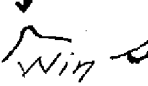

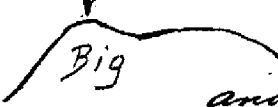

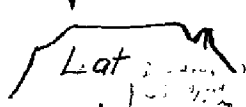
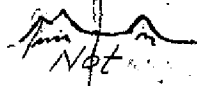



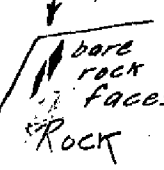
					Household Items		Mr Storm King		
from Station	Winn	ure	Big	Wave	Lat	Not	6071	Reg	
Sher	3583	3314	3797	3599	4708	4774	4573	5128	
Beechy	3550	3323	3757	3599	4692	4767			
Race	3612	3373	3812 R	3625 R			4593	5151	
Diversity					4711	4764	4577	5108	
Geo. Sur.	3535			3600			4534		
Mr S.F.	3580 ✓	3330 ✓	3750 ✓	3600 ✓	4700 ✓	4770 ✓	4580 ✓	5130 ✓	
from Station	Rock	Jan	Jan	Jan	Uall	Top	Over		
Sher	4390	5213				5864	5882		
Race	4501 R				4699	5794	5885		
Diversity	4364		5577	5512					
Eddy	4344		5531	5492	4623				
Diversity		5230	5594	5499	4767	5774			
Race									
Beechy							6056		
Angeles			5504 1/2		4558 1/2		5030		
Geo. Sur.			5570	5500	4700	5790	5060		
Mr S.F.	4360 ✓	5220 ✓	5570 ✓	5500 ✓	4700 ✓	5790 ✓	5060 ✓		
Sher	Jack	Jell	High East	High	Saw	Round	Boil	Knob	
Beechy	5102	5177	6493	6483		6240	5712		
Race	5082	5161	6480	6463	6056	6237	5688	6401 R	
Diversity	5115	5121	6460	6473	6060			6355	
Protection					6070	6322 R	5679	6358	
Geo. Sur.	5043				6039		5689		
Mr S.F.	5100 ✓	5150 ✓	6480 ✓	6470 ✓	6060 ✓	6240 ✓	5690 ✓	6360 ✓	
Beechy	Sum	Double	Gravel	Mit	South	East	Trim		✓
Race	4760	2011	1224	1982	3130	2326	2583		
Diversity	4787	2037			3173	2359	2522		
Diversity	4931								
Diversity	4715								
Eddy	4728								
Sher		2116	1220	1985	3133	2359	2573		
Angeles			1207	1985					
Geo. Sur.				1860			2526		
Mr S.F.	4740 ✓	2020 ✓	1220 ✓	1980 ✓	3140 ✓	2350 ✓	2530 ✓		
Sher	Stupe	Right	Near	Left	Tom	Sum	Harry	Back	
Beechy	1345	2257							
Race	1299					4977	2694	3622	
Diversity	1280	2221		2178	2415	4977	2680		
Diversity		2247	4091	2221					
Eddy			4058		2572				
Angeles			4002						
Diversity				2231		4944		3619	
Protection					2582		2677	3622	
Geo. Sur.		2140	4035	2151		4981	2525	3591	
Mr S.F.	1300 ✓	2140 ✓	4070 ✓	2210 ✓	2590 ✓	4970 ✓	2680 ✓	3620 ✓	

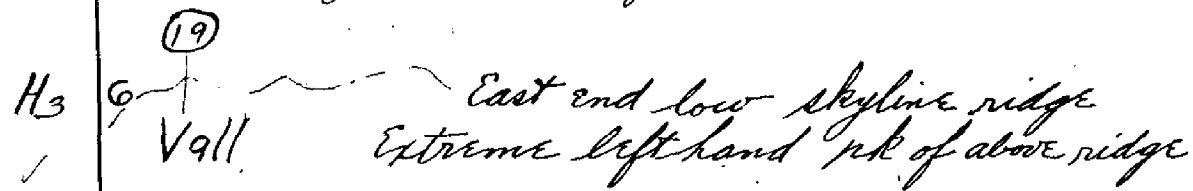
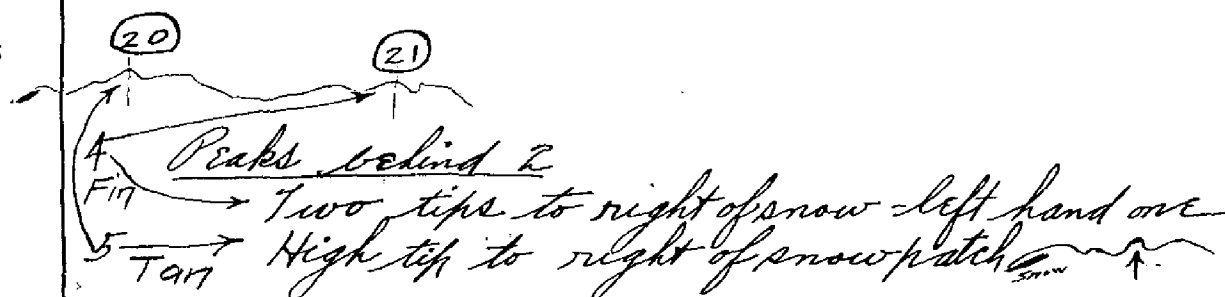
Record of 7. 10

Mr Readings numbers encircled: O
 Pencil sketches from Mr Readings notes

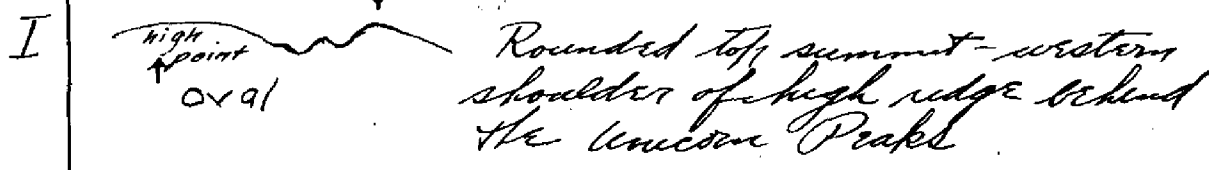
Sheet III
 notation

Skylines Peaks - From westward - west to east

- A  Sharp tip directly behind Twin Rivers
- B  Square topped peak - spur ridge running toward shore
- C  Rounded high top - knob east end; shows bare and light from eastward - highest in vicinity - spur ridge running toward shore
- D  Western and highest of two knobs forming most easterly high point of same ridge as last peak above, (C)
- D-2  Flat-topped double peak in distance (Shade rib to right from eastward)
- E  High points on far ridge. Easterly of two tops. This top is notched, high point westward eastward
- F  High point on far ridge - slide on north face - snow streaks in season
- G 3  Conspicuous rounded knob - highest point of summit in front of above peaks
- H 1  First high summit on ridge forming western flank of Eliohe river valley
- K 2  Bare rock faces showing just below brow (extreme eastern tip) of shoulder of same ridge as above

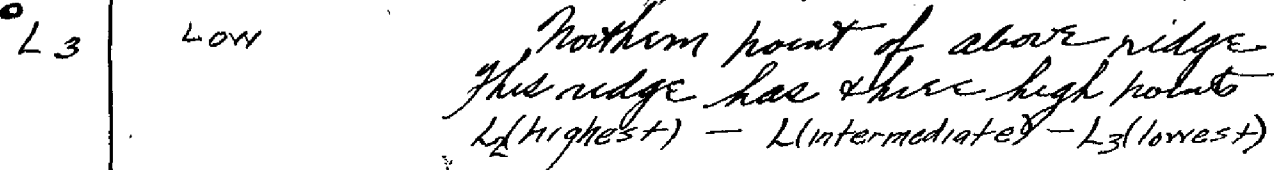
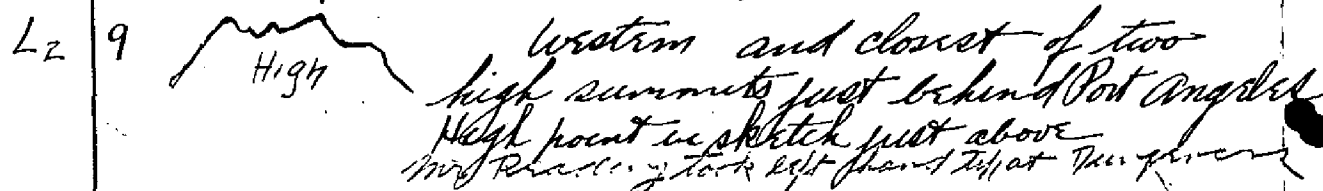
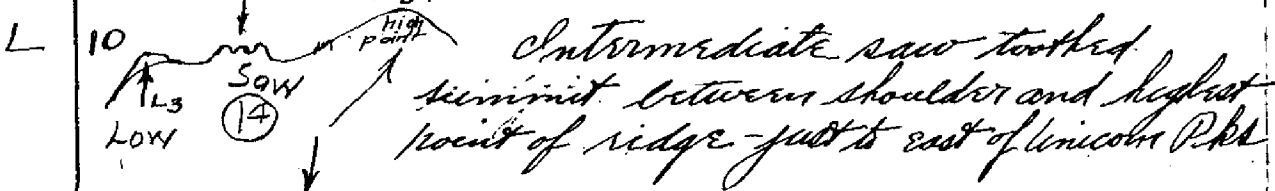
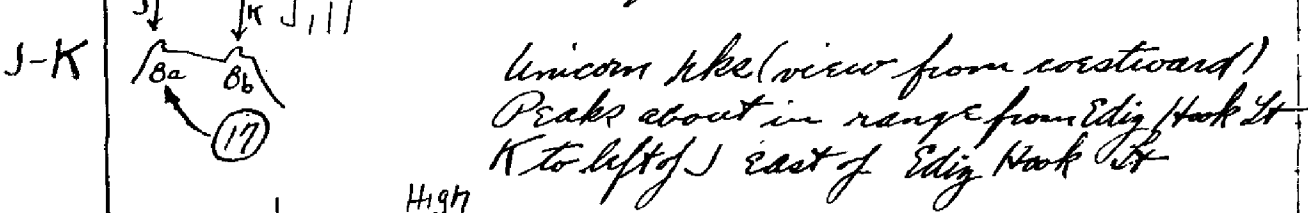


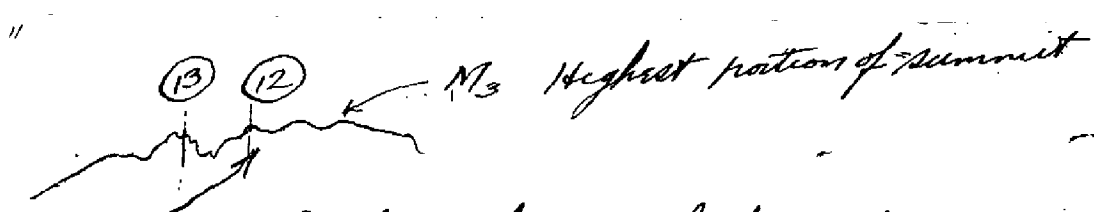
~~Distinct tip - west end of ridge, to west of Unicorn Peak~~



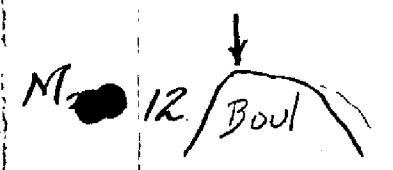
7

Distinct tip - west end of ridge, to west of Unicorn Peak

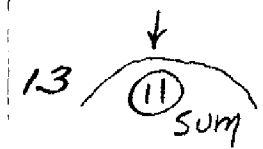




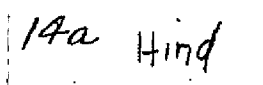
11 Round
 East of two high peaks directly behind
 Port Angeles - very rounded, wavy top
 Approach as E-W ridge - notch to east of high portion



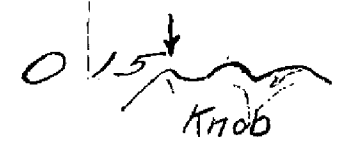
Lower bare top in front of above
 Large brown rock mass forming top
 Highest part southern side
 Same as 13 from Angeles



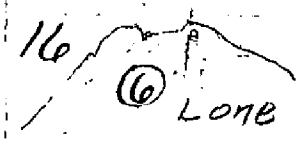
Lower rounded summit to east of 11



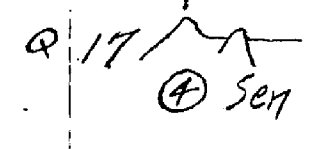
High peak behind 13 - does not show
 west of true Pt. but high pt east of 13



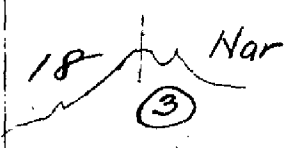
Between 14a and 16 there is a ridge
 running more or less parallel to shore
 Numerous knobs along the top eastern knob
 is 15 (15 same as 15, 15 next knob to westward)



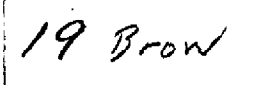
Highest point of high summit behind
 A Green - rather isolated. From directly off
 shore is center of three knobs



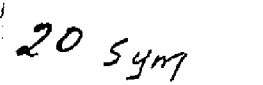
Sentinel Pk. marking eastern end of irregular
 ridge behind and east of 16 - Pk in front
 from westward looks like a low peak to right



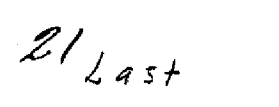
Narrow ridge rounded wavy top -
 tiple lower top just to westward, value?



High summit with brown descending
 patch on both slope - high peaks behind
 to westward



Relatively low very symmetrical
 peak (about midway between 19 & 21)



Last high ridge (NW-SE), rather narrow brown patch on side
 (From westward, wooden summit behind shows in front)

SHEET III
not before
under-scored

- From westward

Lower Peaks and Intermediate Objects

- a Hill^x Small hill back of Twin River
~~a knob of rock~~ ~~a hilltop to westward~~
- b Nook^x First ridge east Twin River
From westward - knob eastern end of ridge
- x c Pit^x From eastward - scar eastern edge highest part ridge
- x d Face^v Scar rock face showing north side ^{summit} intermediate
- x d₂ Dome^v Rounded dome summit, d on its north face of it
- ✓ e Double^v Double scar
- ✓ f Gravel^v Gravel scar west end low ridge east sawmill
- f₂ Same^v Last knob to eastward - same ridge d-d₂-e
- g Mitt^v Rounded intermediate summit
- small building in foreground
- h South^v Two other intermediate peaks
East^v One directly south of g
One to east of g
- J-1
- J-2 Low^{LAP} Low rounded top, closest to shore of group ^(h, J-1, J-2, J-3)
- J-3 Prime^v Higher summit S.E. J-2

Cany. section from westward

k Fore Buildings in foreground

l One Building behind Crescent Bay

m ~~Striped~~ Striped Pk - western and highest top
m2 ~~Striped~~ stripe or scar on north face

n-1 Bltgy Buildings (highest of group) to eastward

r Peds Coal topped hill between j-3 and 9

9 low Low summit behind Observation Pt
knoll along ridge to east of summit

+p Right High points on brow of first ridges
x0 ~~Left~~ on either side of Clocha River basin

n Pat first ridge behind Port Angeles
possibly same as l below *pe same as l below*

~~l~~ ^{Clocha} First low ridge west Clocha River valley
Bold round top directly above valley

~~l~~ ^{ant} Lower ridge to west of Port Angeles
toward Clocha valley - clump trees east shoulder

~~l~~ Two lower ridges directly behind Port Angeles ^{value?}
~~one~~ western one - clump of trees top in front of ^{Port} ~~l~~ from Angeles

11-1 Two lower hills behind Morse Creek Pt
- Western a low ridge more or less parallel to shore

11-1 (10) Tom - western tip of ridge

11-2 (9) Harry - eastern tip - highest tip

9 Back - Eastern is furthest inland and highest

F (2) Next lower hill to westward of E
Shore (about mid-way between Green & Bluff)

E (1) Crown Distinct crowned summit behind
Dungones (lower hills in foreground valley?)

d Bare Bare flat summit to east of E
an irregular ridge with two ~~low~~ ^{low} tops
at either end - now green with scattered trees

10 Wash Rounded top directly behind Wash Hill -
appears as last summit to westward of same
ridge as following object
sort of vegetation streak from certain angles

52
c Green hind hill from eastward - timbered to
near the top - bare green top

b Crutch second hill from eastward - crutch on
summit - western and lower of two tops
forming crutch

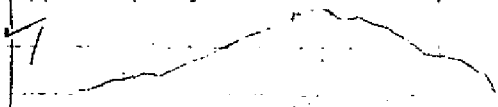
a Top First low hill from eastward - left
of trees to left of almost bare summit
a-1 left of trees a-2 bare summit

5-9-14-15

78

Not Readings
Notes

View from Eddy Hook Lt.



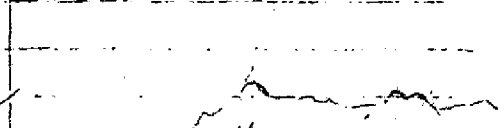
1 First hill top of first ridge



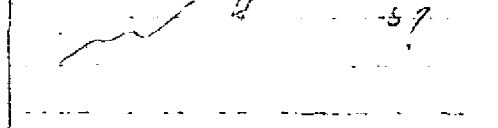
2nd hill top of first ridge



3rd hill top of first ridge



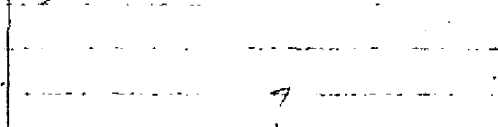
4 Sharp summit E of 3rd ridge



5 Humps



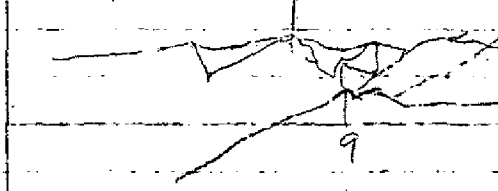
6 W. of 3rd ridge with small hump to W.



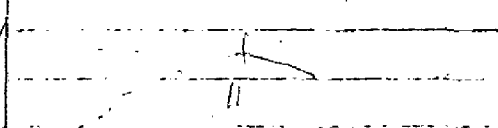
7 Center and highest of 3 on skyline



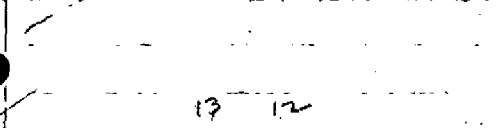
8 Center of snow ridge very flat



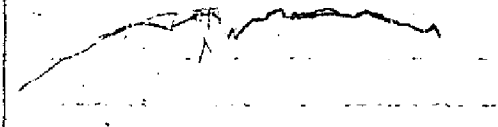
9 High E summit of first hill



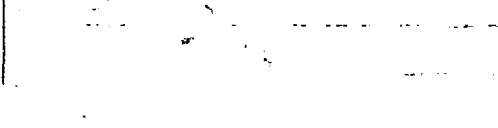
10 W. summit of first hill



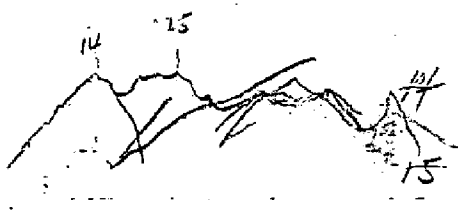
11 Highest dump bushes on round shoulder skyline



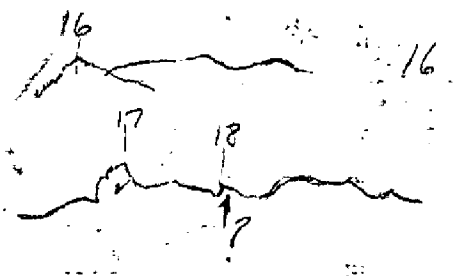
12 Shoulder over snow patch W of notch



13 Eddy Notch



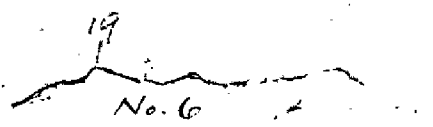
Pk. E of
Summit W of V



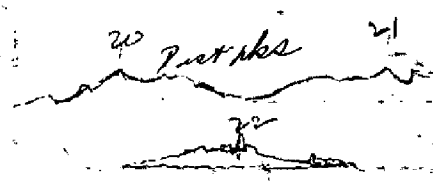
16 Highest tree SE part of ridge
not seen from other stations

17 Near unicorn

18 Far unicorn

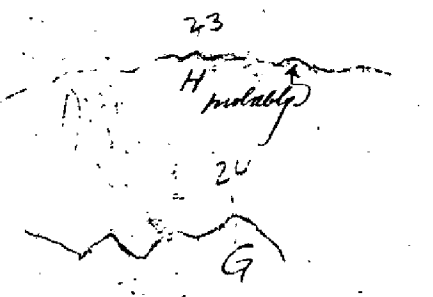


19 E. end low skyline ridge



20 E pk of saddle

21 E pk of notch



23 Top to right of slide

24 Dist indefinite hill

Locality

Sublocality

SOUNDINGS

Year 19 26 Month May

Day of Month 10th

Boat used

day

POSITION NUMBER	TIME	SOUNDINGS	LEAD-LINE COR.	RED. FOR TIDE	REDUCED SOUNDINGS				BOTTOM	HEADING BY COMPASS	ANGLES AND RANGES	REMARKS AND GENERAL DIRECTION (TRUE) OF LINES
					FIELD		OFFICE					
					FEET	TENTHS	FEET	TENTHS				
					FATHOMS	FEET	FEET	FATHOMS	FEET			
	h. m. s. 10-30-00	Flood current								L3 TWIN - X		
		L3 Lyre - ^{Rocks} Point (60-09)				14-45				X		
		Rock - ^{1/2} Out				45-59 (33)				A?	20-59 ✓	2-47 ✓
		^{1/4} In - Flag				49-48 (46)				B		
		^{1/2} Out - Monument (Tongue Pt)				75-13 (09)				C	29-36 ✓	3-41 ✓
		^{1/4} In				87-22				D	39-27 ✓	4-12 ✓
		^{1/2} Out - WW (tan L)				86-50				D2	55-21 ✓	4-18 ✓
										G	81-15 ✓	6-00 ✓
										H	98-12 ✓	6-03 ✓
		L5 TWIN - X								H2?	111-33 ✓	
		X								I *	101-27 ✓	3-47 ✓
		(a) 17-000								J *	93-12 ✓	3-45 ✓
		(a) Topo ✓								K	126-14 ✓	3-44 ✓
		(b) 72-21 (X-Ban)								L *	89-51 ✓	3-50 ✓
		(c) 72-10				0-33				L2 *	86-55 ✓	3-56 4-00 ✓
		(d) 27-28								KX Race Rocks Lt	94-03	
										* X-Race RK	77-42	
											62-02	
										X	L Race RK - Twin	139-50 ✓
										a	5-57	
										b?		
										c	9-19 ✓	
										d	24-49 ✓	
										d	15-36 ✓	2-36 ✓
										d2	15-43 ✓	3-06 ✓
										e	26-14 ✓	2-22 ✓
										f	27-16 ✓	
										g	46-01 ✓	3-59 ✓
										h	57-54 (left) ✓	4-19 ✓
										J-1	65-49 (left) ✓	5-13 ✓
										J-2	75-22 ✓	5-31 ✓
										J-3	83-34 ✓	5-38 ✓
										m-1	16-11 ✓	5-40 ✓
										K	K-StripePK	

Amplitude corrected for indicated distance of Sounding

Vertical angle of sight

Locality *[Blank]* Sublocality *[Blank]*
 SOUNDINGS
 Year 19 *26* Month *May* Day of Month *10th* Boat used *[Blank]* ; day *[Blank]*

POSITION NUMBER	TIME	SOUNDINGS	LEAD-LINE COR.	RED. FOR TIDE	REDUCED SOUNDINGS				BOTTOM	HEADING BY COMPASS	ANGLES AND RANGES	REMARKS AND GENERAL DIRECTION (TRUE) OF LINES
					FIELD		OFFICE					
					FEET	TENTHS	FEET	TENTHS				
	<i>P.M.</i>	<i>FATHOMS</i>	<i>FEET</i>	<i>FEET</i>	<i>FATHOMS</i>	<i>FEET</i>	<i>FATHOMS</i>	<i>FEET</i>				
	<i>h. m. a.</i>											
	<i>2000</i>	<i>flood current</i>							<i>2</i>	<i>Dode - 14-45</i>		
<i>A</i>		<i>Lead - Reef</i>			<i>11-09(06)</i>					<i>TWIST Bar - 40-42</i>		
		<i>Reef - Lyre</i>			<i>57-02(36)</i>					<i>Wash - 49-11</i>		
		<i>Lyre - Reef</i>			<i>74-02(50)</i>					<i>Reef - 51-01</i>		
		<i>Reef - Monument</i>			<i>28-44(15)</i>					<i>Rock Boulder - 06-12</i>		
										<i>LS X - Monument</i>		
<i>LS</i>		<i>X - Monument</i>								<i>X</i>		
									<i>A</i>	<i>125-03</i>	<i>5-02</i>	
									<i>B</i>	<i>113-25</i>	<i>5-22</i>	
<i>X</i>									<i>C</i>	<i>101-12</i>	<i>6-18</i>	
<i>(1)</i>		<i>2-48</i>			<i>0°-07</i>				<i>D</i>	<i>78-47</i>	<i>5-55</i>	
<i>(2)</i>		<i>8-32</i>			<i>—</i>				<i>E?</i>	<i>65-42</i>		
<i>(3)</i>		<i>16-03</i>			<i>0-31'</i>				<i>F</i>	<i>55-14</i>	<i>4-25?</i>	
<i>(4)</i>		<i>410-05</i>			<i>0°-46'</i>				<i>G</i>	<i>46-26</i>	<i>4-34</i>	
<i>(5)</i>									<i>H</i>	<i>—</i>		
									<i>T</i>	<i>—</i>		
		<i>shape commencing to swing - heading toward shore</i>							<i>J</i>	<i>—</i>		
									<i>K</i>	<i>—</i>		
									<i>L</i>	<i>35-26</i>	<i>3-41</i>	
										<i>LS Tide - X</i>		
									<i>X</i>			
									<i>a</i>	<i>27-22</i>		
									<i>b</i>	<i>73-19</i>	<i>4-32</i>	
									<i>c</i>	<i>74-28</i>	<i>4-30</i>	
									<i>d</i>	<i>78-09</i>	<i>4-31</i>	
									<i>e</i>	<i>84-46</i>	<i>4-38</i>	
									<i>f</i>	<i>111-14</i>	<i>3-20</i>	
										<i>LS X - Monument</i>		
									<i>X</i>			
									<i>h</i>	<i>58-15</i>	<i>4-17</i>	
									<i>g</i>	<i>42-30</i>	<i>3-41</i>	
									<i>j-1</i>	<i>34-41</i>	<i>3-20</i>	
									<i>j-2</i>	<i>28-49</i>	<i>2-59</i>	
									<i>j-3</i>	<i>(29-42)</i>	<i>3-04</i>	
									<i>k</i>	<i>29-11</i>		
									<i>n</i>	<i>22-38</i>		

Height of eye = 10ft

SOUNDINGS

Year 19 26 Month May Day of Month 7th

Boat used ; day

POSITION NUMBER	TIME	SOUNDINGS		LEAD-LINE COR.	RED. FOR TIDE	REDUCED SOUNDINGS				BOTTOM	HEADING BY COMPASS	ANGLES AND RANGES	REMARKS AND GENERAL DIRECTION (TRUE) OF LINES
		FIELD				OFFICE							
		FEET	TENTHS			FEET	TENTHS	FEET	TENTHS				

h. m. s.

3-20-

L^s Loran - X

L^s TWIN - X

27-18
(K) (-) 0'-51

1-46

X													
A		30-12	✓			3-56	✓						
B		37-13	✓			4-19	✓						
C		46-09	✓			5-22	✓						
D		64-40	✓			5-57	✓						
E or D ₂		88-56	✓			5-09	✓						
F *		69-05	✓			5-06	✓						
G *		61-38	✓			5-36	✓						
H *		50-19	✓			5-08	✓						
H ₂ ? *		40-56	✓			3-50	✓						
J *		33-59	✓			3-05	✓						
K *		34-45	✓			3-06	✓						
L *		30-00	✓			3-10	✓						
L ₂ *		32-35	✓			3-23	✓						
M ₂ *		27-51	✓			2-44	✓						

* X-Monument

L^s Loran - X

X													
a		9-38	✓			1-29	✓						
b?													
c		20-13	✓			2-25	✓						
d		42-41	✓			3-34	✓						
d ₂		43-03	✓			5-04	✓						
e		47-11	✓			3-53	✓						
f		60-48	✓			3-28	✓						
g ⊕		74-16	✓			5-12	✓						
h ⊕		81-05	✓			5-06	✓						
j-1 ⊕		55-00	✓			4-54	✓						
j-2 ⊕		45-21	✓			4-22	✓						
j-3 ⊕		44-26	✓			4-25	✓						
f ₂		71-42	✓			4-50	✓						
k ⊕		55-16	✓			1-41	✓						

⊕ X-Monument

SOUNDINGS

Year 19 26 Month May

Day of Month 7

Boat used

; day

11-740

11-740

POSITION NUMBER	TIME	REDUCED SOUNDINGS								BOTTOM	HEADING BY COMPASS	ANGLES AND RANGES	REMARKS AND GENERAL DIRECTION (TRUE) OF LINES
		SOUNDINGS		LEAD-LINE COR.	RED. FOR TIDE	FIELD		OFFICE					
		FEET	TENTHS			FEET	TENTHS	FEET	TENTHS				
		FATHOMS	FEET	FEET	FEET	FATHOMS	FEET	FATHOMS	FEET				

h. m. s.
1-10-00

Fa
2nd West Reef Aye
Laying camp - Paul
Med

+2 soundings of depth were obtained for observation
Tide gauge - 10.00

LS X - Angeles Tripod

X
+G + 125-24 ✓ 5-49 ^{4.59 tide}
H + 107-02 ✓ 7-00 ✓
H₂ + 90-51 ✓ 6-10 ✓
I + 70-53 ✓ 4-57 ✓
K + 61-05 ✓ 5-05 ^{4.05}
J + 60-06 ✓ 5-05

K - X

X
L₁ 7-56 ✓ 5-17 ✓
L 11-31 ✓ 5-07 ✓
M₂ 17-36 ✓ 4-21 ✓
P? 25-24 2-54
N? 30-~~23~~⁴⁹ 2-04

LS X - Angeles Tripod

X
J-3 142-11 4-46
r 127-46 4-59 ^{4.59 tide}
q 112-31 4-28
p 71-01 4-37
o 49-09 3-53
n 30-26 2-04
Reef - (U) 68-28
(5) 14-23
(51) 13-47
(7-2) 2-55
(9) 4-58

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 4236

TOPOGRAPHIC TITLE SHEET
Prepared in Office of F.R.
(Reconnaissance)

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. _____

REGISTER NO. ~~4236~~

State Washington

General locality Strait of Juan de Fuca

Locality Port Discovery to Glacier Pt., Vancouver I.

Scale 80,000 Date of survey Apr.-July, 1926

Vessel Natoma

Chief of Party H.A. Cotton

Surveyed by H.A.C.

Inked by _____

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated Mar. 4, 1926

Remarks: Mountain Peaks and Prominent Objects on both sides of Strait of Juande Fuca.