

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: Washington

DESCRIPTIVE REPORT.

Topographic Sheet No. 4190

LOCALITY:

Strait of Juan de Fuca

Port Discovery~ 5 Part and

Eastern Approach

1926

CHIEF OF PARTY:

H.A. Cotton

SEP 5 1924

DESCRIPTIVE REPORT

to accompany

ropodraphio sheers no 4189 4190 (Pield lettered" a "H")

PORT DISCOVERY & APPROACEES

GRANT OF JULE DE POULL WASHINGTON.

June & July, 1928

Seale - 1 : 10,000

AUTHORITY-

The topography on these sheets was executed in accordance with instructions to the Commanding Officer of the Motor Vessel hardles, anted march 4th, 1975.

LILIAN-

The work on these sheets consists of a resurvey of Fort Discovery and approaches and Includes Protection Island. The survey extends from the entrance of the harbor esatured as far as kiddle Toint and westward to Archy. The longitude limits are 122° 50; and 122° 50;

DIVISION OF SHEETS-

The work was done on two sheets. The portion of the harbor north of Acarr and A Turkey, the approaches from the vestward and Protection Island weredone on a sheet by k. O. Witherbee. The eastern shere as far north as Allyne was on this paper. Protection island was as an insert.

The entire portion of the harbor to the south of Acarr and Acuring was surveyed on a second smoot by Carl I. Administra. This sheet also included a traverse from Acome to Aliddle which was done as an insert. These sheets will be reafter be referred to as Sheet "I" and Sheet "A" respectively.

COMPERCIA-

Excellent control was obtained from the triangulation of the b. S. Engineers whose signals were still standing. Ten of these stations were recovered for use on sheet "G", eight being on the mainland and two on protection Island. A Coast Survey Station (A Protection) was also recovered on Protection Island.

Ten stations were also used for control on sheet "G". Two of these, Turkey and Carr were also used on smeet "G".

ELEVATION-

No elevations were determined on sheet "0" and only 5 on sheet "h". The elevations on the old survey were occasionally checked and found to be very good. The five elevations determined on sheet "H" were on the new branch of the Olympic highway which parallels the head of the harbon on the east shore. These were found to compare favorably with old elevations and where descrepancies occur it is recommended that the contours he adjusted to the elevations are obtained on these elevations with only slight differences. The mean of the results was used on

each case.

Sheet "G"

Traverses were run on Protection Isalud from \triangle Kanem to \triangle Violet and from \triangle Violet to \triangle Kanem. On the mainland traverses were run from \triangle uarantine to \triangle Thompson and from \triangle Thompson to Absorber. Another was run from \triangle Beckett to \triangle Coyne with a check at \bigcirc George which was cut in by plane table.

A section of the Olympic Righway was run in by traverse starting from a three point fix: This traverse was not closed. The remainder of the work on sheet "G" was done by three point fix.

Sheet "H"The entire work in the harbor was surveyed by three point fixes and plane table triangulation except a traverse along the read from Kaymes Inn to a point east of \triangle Spurrel. The outside seast from \triangle Coyne to \triangle Middle was traversed with stadia and plane table.

LIST OF TRAVERSES.

Sheet "G"	L	ngth Statute	Clesure	Clesure
From	T ₀	Miles	(Maters)	per Mile
∆ uarantin	o AThompson	1.3	4	3
AThompson	ARocky	1.4	4	3
A Violet	A Kanem	1.8	10	5.5
△ Kaze m	A Violet	2.2	8	3.7
A Beckett	∆0oyne	2.3	15	6.5
Shoot "H"				
A Kaymes In	nA Spurell	1	20	*16
∆ Соуде	A Middle	1. 22	22	7.1
_	_	· _		

*This was a secondary traverse with some magnetic orientation andvery short set ups.

CHARACTER OF SHORE LINE-

From A Rocky to within a short distance of A quarantime the shores are bluff on steep hillside except at Thompson which is a low mandy point with a lagoon. From the quarantine wharf to Eagle Creek is a steep bluff. From Eagle Creek to Carrs point is a gravel beach. The east shore of Port Discovery is gravel beach with occasional bluffs. Beckett Point and Cape George are low and sandy.

Protection Island consists of a table land about 200 feet high with two low spits extending from the eastern and southeastern end. A considerable area in the center of the Island is under cultivation. The northwestern side is sparsely wooded. The bluff along the north shore is light in color and very steep. The bluffs on the other three shores are less steep and grassy in places.

Sheet "H"

The shore line on this sheet has a sandy beach except at the head of the bay where there are extensive and flats bounded by march. There are occasional pallow clay bluffs along the abour. These are highest in the vicinity of thery these Inn.

PROMINENT OBJECTS-

The quarantine station of the U.S. Public Health Sorvice on located on Point at the west side of the entrance to Cort Discovery. The group of white buildings are prominent from the Strait but no individual building shows well enough to be used as a landmark.

All the U. S. Engineers triangulation signals are well built and will probably last for a number of years. Within range of sight they make excellent landmarks.

The only landmerks of importance at the head of the harbor is the large black tank at the end of the ruined cock. This should be shown on the chart.

The largest buildingsat Chery Chase Inc and Kaymes Inc. may also serve as landmasts.

GROGELFRIE MILLIE

The Milmoure R. R. Stations of Discovery Junction and Haymard appear on this sheet as well as the Villages of Paignons and Gardiner.

No other charges in memos are noted.

CHANGES STRUE PLAY OUS SUSVAY-

There is considerable change at Point Hill as to the rotting and weathering away of the former structures there. Little evidence of these structures remains and the point has become smaller.

The former small slough just south of A Anderson has filled in and because fest land covered with grass.

There is no evidence of the small spit and slough which appeared on the bromide of the old survey about a sile to the eastward of the present site of Feirment Village.

alk along the eastern shore wherever the railway is close to the water there are frequent changes due to fills for the railway bed.

There are a great many changes at the head of the bay due mainly to the railroad and roads. At the extreme southern part a good deal of land south of the railroad fill which was formerly covered with water has now become hard and fast. The lower water line has built out and at low water the whole head of the bay becomes mud flats.

The dotted stream beds shown therein were unsurveyed as it was impossible to reach them at lew water.

The portion of shore line between A Coyne and A kiddle was found to be unchanged except that some small irregularities shown on the old bromide seemed to have been sweethed out. The bluffs and vegitation closely checked the old survey so no time was wasted in resurveying or inking it in on the topographic sheet.

Cast's Point has built out about 60 meters. The north shore of Protection Island is gradually receding due to saving of the bluff. The greatest change as at the northern point of the island which has receded about 60 meters since 1869. The Southwestern spit has changed slightly in position and is a little narrower than before.

All other shorelline on Shoet "G" agrees with the original survey.

Railroad right of way maps of the C. M. & StP. R. R. have been obtained and are being forwarded with the sheet. These may be used to fill in the unsurveyed portions of the railroad appearing on these sheets.

CONSTRUCTIONS-

Two daily trains each way are maintained over the O. M. & StP. R. R.

Good servicesis size maintained over the highway bas lines which connect with all currennding teams.

Small freight and passenger boats dock nors or less regalarly at Fairmont and Caroliner. A small steamer calls daily at the latter town.

GENERAL DESIRITION OF COUNTRY-

The area is sparsely populated except for the neighborhood of Cardiner and the small communities at the head of the bay.

derdinar has a asore, post office, railroad systion and

whert. The post office and reliroed are half a mile imland.
Discovery Junction has nothing but railroad buildings.
Fairmont has a store, post office and very small dock.
Haynerd has a hotel, large garage and service station

and several stores but is expectable from the water only at high water. There is a shingle mill in operation here.

The country is wooded in general with a considerable logged off area in the vicinity of dardiner. About helf of this is under cultivation and the other half is second growth and brush.

There a few small farms near Cape George.

There is some cleared land in the vicinity of Chevy Chase Inn. Part of this has been converted into a golf course and part is under cultivation.

The farms are mainly productive of borries and tree fruit. A number of logging Companies are in operation at the

present time over scattered areas.

The two summer reserve theory these Inn and Raymon Lun seem to be well patronised and are open to guests at the present time.

STATISTICA

Statute Miles of shore line	17.5	14.3	31.9
Statute Miles of Creeks est.		0.5	0.5
Statute Milos of Roads ets.	ბ•9	17.0	20.9
No. of recoverable Positions	16	£4	* 36
Trangulation	11	ΙÚ	* 19
Plane Table	3	5	10
No. of positions occupied	59	70	109
Elevations	0	5	5
Area	1.6	2	3.5

^{*} Two triangulation stations appear on both shoets.

Examined, approved and Cornorded,

Respectfully submitted.

MAROLD A. COTTON, H. 2 J.E. U. B. D. O. B G. Survey, Commanding FAROLE

M. O. Witherhoo H. & C. E. U. E. C. & G. Burrey,

Carl I Aslakson, Jr. H. & G. E. U' S. C.&.G. Survey,

LICY OF PLANE TABLE POSITIONS

Sheet "G"

Ame and Pescription		letitude and Longitude		mds in	Romarks
George	46	ψė	\$16	(1541)	larked and
-	122	53		(1216)	described
					on form 524
Gardiner Post Office	4.5			(1793)	
	122	54	1114	(126)	
Tank, daarantina acation	48	ఎఓ	1094	(759)	Black Water
	122	95		(928)	tank
Plagstaff " "	48	05	1210	(643)	
	lik	3 5	179	(1958)	
5k1d	4.3	0-4	873	(98u)	Bottom of Log
	123	ವರ	67 8	(654)	Skidway
<u>अंत</u>	eat	EA ^{NE} .			
Tank on rule of Sharf	47	Ď9	1300	(ස්ථ්ය)	les. form
	1.2	5.4	79 5	(1929)	524
Black T _a nk in Azymerd	à7	59	1754	(99)	
#1	22.	r. d r. d	1195	(14)	
Center chimney of	*****		1178	(678)	Des. form
station house at	122	5â	451	(793)	524
Disvovery Junction					
East and store	47	59	466	(1387)	Des. form
	1.22	35	147	(1097)	524
Center red rect	47	59	1473	(360)	
of house	1.32	55	100	(1139)	

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4190

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. $\mathcal{U} \models \emptyset$

U. S. Coast and Geodetic Survey.

Register No. 4190	(Field Letter H)
State Washington	
General locality Strait of Juan de Fuca	
Locality Port Discovery, Southern part and eastern	approach.
Chief of party	
Surveyed by	
Date of survey June, July, 1926	
Scale	
Heights in feet above M_{\bullet} H_{\bullet} W_{\bullet}	
Contour interval feet.	
Inked byC.I.A Lettered byC.I.A	
Records accompanying sheet (check those forwarded):	Photographs,
Descriptive report, Horizontal angle books, Field c	omputations,
Data from other sources affecting sheet .C. M. & .S	tP. R. R. Maps

Remarks: