

3522

C. & G. SURVEY.
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Acc. No.

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: _____
11-5613

DESCRIPTIVE REPORT.

Top Sheet No. *3522*

LOCALITY:

191

CHIEF OF PARTY:
C. G. Q.

3522

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET No. 3522

OF

WEST COAST OF DUKE ISLAND,

AND

VICINITY.

WORK DONE UNDER INSTRUCTIONS FROM THE SUPERINTENDENT

DATED MARCH 24, and APRIL 30, 1915.

SEASON 1915.

PARTY OF STEAMER MCARTHUR.

ASSISTANT C.G. QUILLIAN,

Chief of Party.

Topography by S. Davis Winship, Aid.

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET No. 3322 OF
WEST COAST OF DUKE ISLAND,
AND
VICINITY.

This sheet shows on a 1/20000 scale, the north and west coasts of Duke Island, from a point one mile west of Ryus Bay to a point one mile south of Hall Cove; the south shore of Annette Island from Annette Point to a point one mile east of Survey Point; and that portion of Werlick and Percy Islands not completed on sheet No. 3472, season of 1914. Its limits are from latitude $54^{\circ}52'$ to latitude $55^{\circ}01'$, and from longitude $131^{\circ}22'$ to longitude $131^{\circ}38'$.

GENERAL DESCRIPTION.

Viewed from the west, Duke Island is a rather low rolling island with hills from four to six hundred feet high, rising abruptly on the extreme southerly corner to the summit of Mt. Lazaro, 1728 feet in height. The Percy Islands and Werlick Island are small and none rise to a greater height than three hundred feet. All these islands are well covered with trees.

DETAILED DESCRIPTION
SHORELINE ISLANDS AND DANGERS.

In approaching this territory from the south and west there are several reefs to be avoided. The first one is West Bee Rock, which is the western limit of a shoal area, interspersed with reefs and pinnacle rocks, extending northward to Point White and eastward to Cape Northumberland. This rock is awash at half tide and should be left well to starboard. Next beyond in a northeasterly direction is East Bee Rock which is awash at one-quarter ebb tide.

1940 m. 206° true from Point White is a rock which stands about 12 feet above H.W. Around this are several rocks which bare at some stage of tide, most notable of which is one lying 1440 m. 238° true from Point White which bares only at extreme low tides. All these rocks should be left on the starboard hand.

On the port hand lie the Percy Islands and Werlick Island, extending in a general northeasterly direction for about four miles. The waters between these islands are not

Page 2.
DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET No. _____ OF
WEST COAST OF DUKE ISLAND AND
VICINITY.

navigable except for very small boats with local knowledge.

Extending from these islands are two groups of rocks which merit attention. Sealing Reef, a two headed rock which lies 970 m. 103° from @ Swell, bares five feet at L.L.W., and a group of unnamed rocks lying one-half mile east of @ Spruce. Several of these show six or eight feet above H.W., and they should be given a berth of one-half mile. *(5) added to H-9331 (1972-33) 6/2/78 JRS*

The Vegas Islands lie 600 m. off the northwest side of Duke Island. They are roughly 500m. by 1700m. in extent, lying in a southwest to northeast direction. They are heavily wooded and are about 160 feet high to tops of trees.

A course with the west side of Vegas Islands just open on Annette Point until the south end of Hotspur Island is abeam will clear all the dangers shown on this sheet. After passing Hotspur Island the Vegas Islands should be left to starboard.

The south shore of Annette Island was run in in 1914 on sheet No. 3471, but since it had no triangulation control it was run in again on this sheet to check it. No appreciable difference was found, and the descriptive report accompanying that sheet was very complete.

There are no good anchorages on this sheet.

SURVEY METHODS.

The regular Coast Survey planetable, alidade, and telescope rods were used. The projection was made and triangulation stations, and some plane table stations taken from sheet No. 3472, were plotted on before the sheet went into the field. A large number of stations were located by intersection, resection, or three point fix before any traverses were run, hence the traverses were short and no errors of closure were found.

Attention is called to a few small errors in the Percy Islands, on sheet No. 3472, season of 1914. The corrected shoreline is shown in full inked line.

Just north of @ Percy

Vicinity of @ Lack

" " @ Salt

" " @ Shell

Also a more accurate determination of the position of @ Boulder.

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VICINITY.

The shore of Duke Island from 0 Gol south and east to the edge of the sheet is less accurate in detail than the rest, it having been hastily run in to correct the very noticeably erroneous shoreline shown on the present edition of chart 8075. The traverse checked within 20m. at 0 North, and was adjusted accordingly from 0 Hall. (See descriptive report accompanying sheet No. 3522⁴, West Side of Duke Island, 1/40000 scale.

The outer line of rocky islets about one-half mile off shore was carefully located, as were also the rocks awash which lie still farther out; but the low water line and the slues and small indentations of the shore and the inner rocky islets are more sketchy.

Hall Cove will not permit the passage of anything larger than a canoe at low tide.

NEW PLACE NAMES.

(a) Well established local names.

(b) Names given by field officers.

Sealing Reef.

Respectfully submitted,

J. Davis Winslip.

Aid, C. & G. Survey.

3522

PLANE TABLE POSITIONS
TO ACCOMPANY TOPOGRAPHIC SHEET No. _____
WEST COAST OF DUKE ISLAND AND VICINITY

STATION	LATITUDE o	SEC. IN METERS.	LONGITUDE o	' METERS.	HEIGHT IN FT. ABOVE H. W.	REMARKS
Percy	54 - 56	1422 433	131 - 37	205 863	10	W.W. Not recoverable.
Brig	54 - 56	792 1063	131 - 36	950 118	10	Braced center pole. Copper bolt.
Cail	54 - 56	579 1276	131 - 36	92 976	8	W.W. Not recoverable.
Gof	54 - 56	1285 570	131 - 36	97 971	6	W.W. Not recoverable.
Eek	54 - 56	951 904	131 - 35	1000 68	7	W.W. Not recoverable.
Sto	54 - 56	1072 783	131 - 35	1009 59	5	W.W. Not recoverable.
Loon	54 - 56	1353 502	131 - 35	973 95	7	W.W. Not recoverable.
Jes	54 - 56	452 1403	131 - 35	102 966	5	W.W. Not recoverable.
Sore	54 - 56	290 1565	131 - 35	56 1012	5	W.W. Copper bolt.
Lun	54 - 56	336 1519	131 - 34	1018 50	8	W.W. Not recoverable.
Reed	54 - 56	275 1580	131 - 34	577 491	8	W.W. Galv iron spike.
Skee	54 - 56	558 1297	131 - 34	194 874	7	W.W. Not recoverable.
Ped	54 - 56	600 1255	131 - 34	424 644	6	W.W. Copper bolt.
Noun	54 - 56	562 1293	131 - 33	1028 40	8	W.W. Not recoverable.

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WEST COAST OF DUKE ISLAND AND VICINITY.

STATION	o	LATITUDE		LONGITUDE		HEIGHT IN		REMARKS
		SEC. IN METERS.	o	SEC. IN METERS.	FT. ABOVE H. W.			
Zow	54 - 56	756 1099	131 - 34	670 398	1	W.W. not recoverable.		
Bun	54 - 56	812 1043	131 - 34	944 124	1	W.W. not recoverable.		
Turk	54 - 56	1662 193	131 - 34	998 70	2	Braced center pole. Copper bolt.		
Bull	54 - 56	1775 80	131 - 34	172 896	3	W.W. not recoverable.		
Pass	54 - 56	1277 578	131 - 35	471 1021	8	W.W. not recoverable.		
Sul	54 - 56	928 927	131 - 35	257 811	2	W.W. not recoverable.		
Nom	54 - 56	1432 423	131 - 36	533 535	2	W.W. not recoverable.		
Done	54 - 56	1610 245	131 - 36	609 459	1	W.W. not recoverable.		
Lack	54 - 56	1469 386	131 - 36	889 179	5	W.W. not recoverable.		
Sah	54 - 57	495 1360	131 - 36	199 869	6	Braced center pole. Copper bolt.		
Shell	54 - 57	515 1340	131 - 35	885 183	8	Braced center pole. Galv. iron spike.		
Rave	54 - 57	596 1259	131 - 35	397 671	2	Braced center pole. Galv. iron spike.		
Over	54 - 57	637 1218	131 - 35	242 826	3	Braced center pole. Not recoverable.		
Run	54 - 57	839 1016	131 - 34	1063 5	3	Braced center pole. Galv. iron spike.		
Slow	54 - 57	860 995	131 - 34	610 458	6	Braced center pole. Galv. iron spike.		

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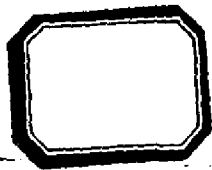
STATION		LATITUDE SEC. IN METERS.		LONGITUDE SEC. IN METERS.	HEIGHT IN FT. ABOVE H. W.	REMARKS.
Rope	54 - 57	521 1334	131 - 34	627 441	7	Not recoverable. Braced center pole.
Rag	54 - 55	1718 137	131 - 35	320 749	18	W.W. Copper bolt.
Toe	54 - 55	1605 250	131 - 35	397 672	12	W.W. Galv. iron spike.
Swell	54 - 55	1288 567	131 - 34	545 524	40	Braced center pole. Copper bolt.
Spruce	54 - 56	1096 759	131 - 33	411 657	25	Braced center pole. Copper bolt.
Ron	54 - 57	3 1852	131 - 33	518 550	12	W.W. Galv. iron spike.
Tit	54 - 57	1379 476	131 - 33	330 738	2	W.W. not recoverable.
Whiz	54 - 58	522 1333	131 - 33	84 984	2	Braced center pole. Copper bolt.
Win	54 - 57	1099 756	131 - 32	849 219	10	W.W. Copper bolt.
Ruf	54 - 57	316 1539	131 - 32	311 757	15	Braced center pole. Copper bolt.
Nip	54 - 57	1040 815	131 - 31	606 462	12	Braced center pole. Copper bolt.
Wer	54 - 57	954 901	131 - 30	767 301	20	Braced center pole. Copper bolt.
Tal	54 - 58	31 1824	131 - 30	58 1010	6	W.W. not recoverable.
Las	54 - 57	1561 294	131 - 30	1001 67	6	W.W. not recoverable.
Poi	54 - 57	1427 428	131 - 30	220 848	8	Braced center pole. Copper bolt.

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STATION	o	LATITUDE		o	LONGITUDE		HEIGHT IN		REMARKS.
		SEC. IN	METERS		SEC. IN	METERS.	FT. ABOVE	H. W.	
Soup	54 - 57	1816 39		131 - 30	45 1023		6		Braced center pole. Copper bolt.
Veg	54 - 57	1631 224		131 - 28	404 664		4		Braced center pole. Copper bolt.
As	54 - 57	1782 73		131 - 27	663 405		8		Braced center pole. Copper bolt.
Coal	54 - 57	1201 654		131 - 27	884 184		4		Braced center pole. Copper bolt.
Sign	54 - 57	1439 416		131 - 27	73 995		6		Braced center pole. Copper bolt.
Mal	54 - 57	1630 225		131 - 26	903 165		7		Braced center pole. Copper bolt.
Nut	54 - 58	136 1719		131 - 27	745 323		10		W.W. Copper bolt.
Hard	54 - 58	39 1816		131 - 28	59 1009		10		W.W. Copper bolt.
Ball	54 - 57	498 1357		131 - 28	808 260		5		W.W. not recoverable.
Pile	54 - 57	303 1552		131 - 29	44 1024		20		3 piles lashed together. Probably recoverable.
Drift	54 - 56	1621 234		131 - 29	410 658		6		Braced center pole. Copper bolt.
Cus	54 - 56	850 1005		131 - 29	661 407		10		W.W. Copper bolt.
Hair	54 - 55	112 1743		131 - 30	680 389		12		Pipe signal. Copper bolt.
White	54 - 56	2 1853		131 - 29	898 170		9		Braced center pole. Copper bolt.
Gol	54 - 54	1659 196		131 - 28	549 520		3		Braced center pole. Copper bolt.

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		LATITUDE		LONGITUDE		HEIGHT IN		
		SEC. IN		SEC. IN		FT. ABOVE		
STATION	o	'	METERS.	o	'	METERS.	H. W.	REMARKS.
			442			742		W.W.
Duke	54	- 54	1415	131	- 26	327	3	Galv. iron spike.
			792			873		W.W.
Hall	54	- 53	1063	131	- 24	196	1	Galv. iron spike.
			377			451		
North	54	- 52	1478	131	- 23	619	10	W.W. Copper bolt.
			228			539		
Boul- der	54	- 57	1627	131	- 36	527	10	W.W. Copper bolt. This is a more ac- curate location than that of 1914.



3522A

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State: _____
11-5613

DESCRIPTIVE REPORT.

Top Sheet No. *3522^a*

LOCALITY:

191

CHIEF OF PARTY:

3522A

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET No. 3522^a

OF

WEST SIDE OF DUKE ISLAND.

WORK DONE UNDER INSTRUCTIONS FROM THE SUPERINTENDENT

DATED MARCH 24, and APRIL 30, 1915.

PARTY OF STEAMER MCARTHUR.

ASSISTANT C.G. QUILLIAN,

Chief of Party.

Topography by S. Davis Winship, Aid.

Page 1.

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET No. 3522 OF
WEST SIDE OF DUKE ISLAND.

This sheet shows, on a 1/40000 scale, a small portion of the shore of Duke Island south of Hall Cove. It was used as a supplement to sheet No. 3522, West Shore of Duke Island and Vicinity, to check the positions of O's Duke, Hall, and North, by a three point fix on As Seal, West, and Barren, which could not be done on the 1/20000 sheet.

The shoreline was transferred to the 1/20000 sheet and requires no description other than that given in descriptive report of same.

Respectfully submitted,

S. Davis Winslip

Aid C. & G. Survey.