

4054

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

State: S.E. Alaska

11-5013

DESCRIPTIVE REPORT.

Topog. Sheet No. 4054

LOCALITY:

W. Coast of Prince of Wales I.

Coronation I.

1923

CHIEF OF PARTY:

T. J. Maher

4054

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DEPARTMENT OF COMMERCE

JAN 21 9 13 AM '24

U. S. COAST AND GEODETIC SURVEY.

COLONEL E. LESTER JONES, DIRECTOR.

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

of survey of

CORONATION ISLAND

U. S. S. SURVEYOR.

1923

C. K. Green

Topographer.

T. J. Maher

Chief of Party.

DESCRIPTIVE REPORT

to accompany

Topographic sheet of Coronation Id.

This sheet includes all of Coronation Id., and all of the Spanish Ids. The scale is 1:20,000.

The northern and northwestern part of Coronation Id. was surveyed by H.E. Finnegan, and the southern part and the Spanish Ids. was surveyed by C.K. Green.

The shore in general is bold rock ledge with off lying rocks, with a very few short stretches of sand at the heads of bights.

The west coast, from Egg Harbor to Helm Point is very rugged with cliffs, large boulders and off lying rocks. From Windy Bay to Helm Point the cliffs are cut up with caves and are extremely bleak and weather worn. There is but little Kelp on this shore. Around Helm Point the lofty cliffs rise sheer from the water for nearly 1,000 feet. These cliffs are nesting places for tens of thousands of sea birds.

The south coast is not quite so bold, but is extremely rocky and has many rocks from one to two hundred meters off shore.

The shore line of the Spanish Ids. is ragged rock ledge with off lying rocks. The area around A Cora is extremely foul and care was taken to show all rocks that bare.

There are three anchorages; Egg Harbor and Aats Bay on the north coast, and Windy Bay on the west coast. In southeast and southwest weather williwaws sweep down, with considerable force, through the draws to all three of these bays.

Egg Harbor is the most commonly used, and is recommended for the heavy weather anchorage of the island. Northerly weather blows through this harbor, but the seas are broken. The entrance is narrow and passes between two rocks off either point of the mouth. There is an abandoned mine about three hundred feet down from Pin Peak. The mine is connected to the beach by a cable tram, which is made fast to the rocks on the beach in the middle of the west side of the bay. There are caves thirty feet high just inside the high water line near the cable terminus. It is very steep from this shore to Pin Peak. Little or Eastern Egg Harbor is separated from Egg Harbor by a low wooded point of land. This arm has not the protection the western arm has.

Aats Bay has a wide mouth but affords little protection in northerly weather. The eastern arm is used as an anchorage. There is a sunken rock about 650 meters NE of the Out, covered with a small patch of growing kelp, in the center of the mouth of this arm. The western arm is too steep to for safe anchorage. The two rocks off shore between Egg Harbor and Aats Bay make it necessary to use caution in entering the bay from the north or west. The one about 2000 meters N by W of Aats, breaks at any tide, in a moderate sea. The one 1000 meters NE by E of Aats bares only at minus tides.

Windy Bay has the best protection from the sea, as the reef at the entrance makes it almost landlocked, but it is too deep for a storm anchorage. The entrance is rather narrow and near the southern shore, which is fairly steep to. The small islet on which the Isle is located, (at the mouth of Windy Bay) has the appearance of a large boulder and is a good landmark. It is necessary to enter well to the south of this however. It is about seventy-eight feet high and is bare. The islet on which the Ah is located is grass-covered and about twenty-five feet high. It is surrounded by reefs which break at all tides except the highest. The shore of Windy Bay is rock ledge. There is a sand beach about 300 meters long at the head of the bay, and quite a deposit of sand around the mouth of the stream on the south side. There is a good anchorage for small boats just off this stream.

Helm Point is probably the most prominent and most easily distinguished land fall in this section. It is prominent from any direction except the North and Northeast. It shows as a table land 1000 feet high, with very steep sides (cliffs) except to the northward. Pin Peak is a good landmark when approached from the west or east, and shows as a light grayish bare peak with the lower slopes timbered. From the summit of Pin Peak there is a gentle slope down to a wooded shoulder to the northward. The South side of Pin Peak slopes down to a depression on the other side of which is a very prominent peak (the Not Peak) = Windy Pk 1785 feet in elevation. From the westward this peak presents a conical appearance, and has a large, but not very prominent slide on the western face. From the northward this peak appears as a flat ridge with a knob on the west end. This peak is an offshore landmark for the north side of Windy Bay. The hills around Windy Bay are all high, but from off shore the depression is readily recognized. Needle Peak shows up as the most prominent peak on the south side of Windy Bay. From off shore, to the westward, this peak appears as the northerly edge of a long gently sloping ridge, terminating at Helm Point. Needle Peak is the highest point of the island, (2025 feet). A closer view would show that this was simply the profile of a series of knobs and ridges which terminate at the shore line in steep rocky cliffs.

The bay one mile south of Δ Chen is foul and is covered with patches of growing kelp. The group of rocks in the center of the mouth of the bay bare at about 1/4 tide.

Gish B.
— 2/13

The rock about 1800 meters SW by W of Helm Point breaks at all tides in a moderate sea.

The rock about 900 meters SSW of Δ Ron is four feet high and shows as a small black dome.

The stream at the south side of Windy Bay is about ten feet wide. The one at the head of Egg Harbor is approximately the same size. These are the largest streams on the island. The creek entering the small bight back of the island off the NE side of Cora Point is convenient for taking on fresh water in small quantities.

Very heavy tide-rips occur around the entrance to Egg Harbor and in the channel between Cora Point and the Spanish Islands. At times they are severe enough to prevent the passage of small launches.

Coronation Island is heavily wooded except Pin Peak, Needle Peak, \odot Not, and the peak at the head of Aats Bay, which are bare. The Spanish Islands are heavily wooded.

The elevations shown here are to the tree tops, except in the case of the bare peaks previously mentioned. The elevations were determined from vertical angles and cuts from many points along the shore. Along the south coast it was necessary to determine the elevations with the aid of a sextant from many positions of the launch a mile off shore.

On account of having excellent triangulation control good closures were experienced throughout the sheet.

The names appearing on this sheet are those in common use, and, with the exception of Windy Bay, have been used on previous Coast Survey Charts.

Chas. K. Green

Lieut. Chas. K. Green.

U.S.S. SURVEYOR,
T.J. Maher, Cmdg.

S.E. Alaska,
1923.

Coronation Id.

Table of D.M. and D.P. of Hydrographic Signals.

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>		<u>Long.</u>	<u>D.P.</u>		<u>Remarks.</u>
Bits	55 49	817	1039	134 16	504	540	W.W. Rock.
Hul	49	645	1211	16	890	154	"
Hole	49	1470	386	134 17	805	239	"
Mash	49	1802	54	134 18	333	711	"
Son	49	1087	769	18	831	213	"
Golf	49	1828	28	134 19	193	851	"
Far	55 50	294	1562	19	741	303	"
Eat	50	1123	733	134 20	490	554	"
Don	55 51	928	928	20	256	788	"
Cap	51	1590	266	134 19	352	692	"
Bat	55 52	260	1596	134 18	1031	13	"
Zang	52	502	1354	134 17	1030	14	"
Ber	52	406	1450	134 17	448	596	"
Lum	52	706	1156	134 16	946	98	"
Mil	52	1146	710	16	1031	13	"
Ego	52	1660	196	134 17	775	269	"
Sal	52	1507	349	134 18	515	529	"
Com	52	1212	644	134 19	80	962	"
Ah	52	350	1506	134 20	13	1031	"
Ling	52	1692	164	20	14	1030	"
Skil	55 53	280	1576	134 20	480	564	"
Est	53	998	858	20	376	668	"

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<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Let	55 53	800 1056	134 21	152 892	W.W. Rock.
Brim	53	1072 784	21	268 776	"
Awl	53	1446 410	21	181 863	"
Gren	53	1848 8	21	334 710	"
Yes	55 54	110 1746	21	508 534	"
Kay	54	151 1705	21	613 429	"
Jo	54	515 1341	21	698 344	"
Lipe	54	675 1181	21	728 314	"
Hub	54	417 1439	21	1018 24	"
An	54	716 1140	21	1022 20	"
Seed	54	930 926	21	880 162	"
Bud	54	1368 488	21	884 158	"
New	54	1694 162	21	568 474	"
Yel	54	1725 131	21	360 682	"
Cowl	55 55	138 1718	21	302 740	"
Rain	55	258 1598	21	207 835	"
Pat	55	413 1443	134 20	970 72	"
Fill	55	492 1364	20	698 344	"
Her	55	800 1056	20	598 444	"
Can	55	1066 790	20	232 810	"
Elk	55	774 1082	134 19	702 340	"
Hls	55	488 1368	19	633 409	"
Ink	55	234 1622	19	603 439	"
Mid	55 54	1606 250	19	448 594	"
Nec	54	1396 460	19	314 728	"
To	54	1190 666	19	252 790	"

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks</u>
Pic	55 54	828 1028	134 19	256 786	W.W. Rock
Pol	54	738 1118	19	197 845	"
Cow	54	416 1440	19	37 1005	"
Hil	54	208 1648	134 18	986 56	"
Sad	54	352 1504	18	628 414	"
Hat	54	716 1140	18	740 302	"
Blu	54	1080 776	18	750 292	"
Red	54	1440 416	18	772 270	"
Tack	55 55	18 1838	18	985 57	"
Tite	55	268 1588	18	1036 6	"
Brak	55	673 1183	18	1027 15	"
Nit	55	492 1364	18	918 124	"
Fin	55	⁶⁰³ 625 ¹²⁵³ 1231	18	⁵⁷² 558 ⁴⁷⁴ 484	"
Lib	55	520 1336	18	504 538	"
Max	55	364 1492	18	518 524	"
	55	201 1655	18	535 507	"
Boy	54	1854 2	18	406 636	"
Las	54	1643 213	18	384 658	"
	54	1510 346	18	367 675	"
Rak	54	1330 526	18	258 784	"
Mnd	54	1208 648	18	283 759	"
Pal	54	900 956	18	176 866	"
Bel	54	725 1131	18	150 892	"
Sho	54	700 1156	134 17	970 72	"
Lead	54	876 980	17	850 192	"
Hay	54	1138 718	17	833 209	"
Foot	54	1437 419	17	868 174	"

<u>Name</u>	<u>Lat:</u>	<u>D.M.</u>		<u>Long.</u>	<u>D.P.</u>		<u>Remarks.</u>
Hip	55 54	1807	49	134 17	845	197	W.W. Rock
Bad	55	192	1664	17	731	311	"
Sun	55	277	1579	17	578	464	"
Nil	55	280	1576	17	346	696	"
Kat	55	534	1322	17	130	912	"
Mot	55	1012	844	17	78	964	"
Try	55	1080	776	16	836	206	"
Rip	55	1263	593	16	585	457	"
Sod	55	1354	502	16	384	658	"
Fold	55	1172	684	15	928	114	"
Lin	55	1064	792	15	898	144	"
Sit	55	715	1141	15	873	169	"
Leg	55	392	1464	15	846	196	"
Clo	55	125	1731	15	794	248	"
Last	54	1653	203	15	806	236	"
Sig	54	1358	498	15	905	137	"
Bag	54	748	1108	15	945	97	"
Point	54	454	1402	15	802	240	"
Hin	54	139	1718	15	721	322	"
Is	53	1683	173	15	736	307	"
ig	53	1396	460	15	800	243	"
Toe	53	1217	640	15	940	103	"
Lie	53	1065	792	15	721	322	"
Nic	53	687	1170	15	438	605	"
Lik	53	544	1303	15	355	688	"
At	53	264	1593	15	474	569	"
	53	126	1730	15	392	651	"

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Tin	55 53	45 1812	134 15	588 455	W.W. Rock.
Log	52	1702 154	15	247 796	"
Low	53	34 1822	15	130 913	"
Old	53	295 1562	15	11 1032	"
Pit	53	712 1144	14	871 172	"
Lite	53	1384 422	14	755 288	"
Out	53	1525 332	14	692 351	"
	53	1336 520	14	344 699	"
No	53	1257 599	14	191 852	"
Pil	53	1156 700	14	120 923	"
Bal	53	990 866	14	65 978	"
Gras	53	857 998	13	999 44	"
Pen	53	770 1086	13	902 141	"
End	53	805 1051	13	705 338	"
Rock	53	1136 720	13	650 393	"
Up	53	1456 400	13	619 424	"
Run	53	1726 130	13	658 384	"
P1	54	5 1852	13	650 392	"
See	54	162 1694	13	693 349	"
Fly	54	551 1305	13	685 357	"
Long	54	691 1165	13	557 485	"
Far	54	805 1051	12	1028 14	"
Top	54	912 943	12	573 469	"
Dip	54	656 1200	12	306 736	"
Lu	54	209 1647	12	222 820	"
Nel	53	1396 460	12	87 955	"
Ald	53	1401 456	11	758 284	"

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>		<u>Long.</u>	<u>D.P.</u>		<u>Remarks.</u>
Kim	55 53	1524	342	134 11	600	442	W.W. Rock.
	53	1778	78	11	436	606	"
Ruh	54	142	1713	11	442	600	"
May	54	482	1375	11	432	610	"
Sour	54	907	948	11	427	615	"
Use	54	1140	715	11	317	725	"
Mit	54	1364	492	11	152	890	"
Lax	55	401	1456	11	442	600	"
El	54	1452	404	10	997	45	"
Push	55	43	1813	10	648	394	"
Rum	55	317	1539	10	282	760	"
Now	55	278	1578	09	892	150	"
Yum	55	325	1531	09	488	554	"
Hit	55	582	1274	09	1031	11	"
Jot	55	465	1391	08	914	128	"
Door	55	214	1642	08	584	458	"
Aid	55	235	1621	08	472	570	"
So	55	432	1424	08	116	926	"
Tim	55	324	1532	08	106	936	"
Fite	55	417	1439	07	492	550	"
hu	55	348	1508	07	744	298	"
Tee	55	185	1671	07	722	320	"
Near	55	44	1812	07	673	369	"
Our	55	52	1804	07	512	530	"
Gun	55	100	1756	07	274	768	"
Get	54	1782	74	07	94	948	"
Be	54	1195	661	07	116	926	"

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Hut	55 54	1044 812	134 07	139 903	W.W. Rock.
Make	54	912 944	07	232 810	"
Roc	54	707 1149	07	309 733	"
Car	54	713 1143	07	538 504	"
Bid	54	535 1321	07	495 547	"
Soft	54	382 1474	07	470 572	"
Row	54	260 1596	07	92 950	"
Ate	54	243 1613	07	250 784	"
Clump	54	122 1734	07	265 777	"
Chic	53	1790 66	07	652 390	"
San	53	1590 266	07	872 170	"
Tax	53	1342 514	08	151 891	"
Tic	53	1420 436	08	622 420	"
Ben	53	1202 654	08	785 259	"
Ten	53	942 914	09	200 844	"
Dem	53	904 952	09	505 539	"
Hig	53	814 1042	09	870 174	"
Gin	53	415 1441	10	436 608	"
Wat	52	1680 176	10	706 338	"
Lion	52	1444 412	11	468 576	"
Ob	52	970 886	11	1023 21	"
Rep	52	758 1098	12	312 732	"
Jam	51	1129 727	13	251 793	"
Port	51	1524 332	13	493 551	"
Ter	51	1530 326	13	777 267	"
Cane	51	1136 720	13	915 129	"
Sex	51	915 941	13	832 212	"

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>W.W. Rock</u>
Trac	55 51	643 1213	134 13	1034 10	"
Race	55 51	154 1702	14	210 834	"
Oil	50	1743 113	14	585 459	"
	50	1388 468	14	800 244	"
Mag	50	1094 762	15	241 803	"
Phi	50	1274 582	15	416 628	"
Sut	50	1224 632	15	906 138	"
We	50	1258 598	16	288 756	"
Was	50	948 908	16	514 530	"
Sou	50	446 1410	16	493 551	"
Ten	50	36 1820	16	570 474	"
Six	49	1424 432	16	356 688	"
Min	59	174 1682	06	78 962	"
	58	1810 46	05	1016 24	"
Coon	58	1578 278	06	130 910	"
	58	1134 722	06	85 955	"
Key	58	1199 657	06	360 680	"
Vow	58	1156 700	06	590 450	"
Pug	58	1460 396	06	756 284	"
Vase	58	1044 812	06	980 60	"
Bowl	58	1032 824	06	840 200	"
Buck	58	833 1023	06	531 509	"
Rate	58	502 1354	06	512 528	"
Cas	58	160 1696	06	834 206	"
Rec	57	1415 441	06	958 82	"
Jein	57	1030 826	06	1002 38	"
Bone	57	882 974	07	184 856	"
Shin	57	1080 776	07	466 576	"

<u>Name</u>	<u>Lat.</u>	<u>S.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Description.</u>
Joc	55 57	1428 428	134 07	596 444	W.W. Rock
Jim	57	1840 16	07	334 706	"
Ben	58	504 1352	07	396 644	"
Ank	57	957 899	07	658 382	"
Bot	57	764 1092	07	426 616	"
Chin	57	453 1403	07	324 716	"
Nec	57	276 1580	07	380 660	"
Dru	57	302 1554	07	712 328	"
Ris	57	548 1308	07	698 343	"
Chic	57	686 1170	07	673 368	"
Nail	57	442 1414	08	140 901	"
By	57	448 1408	07	1010 31	"
Ring	57	28 1828	07	1000 41	"
Han	56	1688 168	08	62 979	"
Kne	57	38 1818	08	297 744	"
Eye	56	1460 396	08	31 1010	"
Lip	56	1482 374	07	736 305	"
Pru	56	1285 571	07	441 600	"
Rud	56	1200 656	06	1010 31	"
Tuc	56	632 1224	07	62 979	"
Cel	56	250 1606	07	210 832	"
Or	56	56 1800	07	288 754	"
Turn	56	12 1844	07	584 458	"
Rad	55	1640 216	07	758 284	"
Hed	55	1710 146	08	40 1002	"
Aim	55	1850 6	08	133 909	"
Lig	56	178 1678	08	244 798	"
Moy ^u	56	488 1428	08	262 780	"

<u>Name</u>	<u>Lat.</u>	<u>D.M.</u>		<u>Long.</u>	<u>D.P.</u>		<u>Description.</u>
Nose	55 56	952	904	134 08	197	845	W.W. Rock.
Rok	56	648	1208	09	65	977	"
Hoop	56	296	1560	08	728	314	"
Her	56	123	1733	08	724	318	"
Pine	55	1563	293	07	710	332	"
Pea	55	1455	401	07	580	462	"
Pay	55	1375	481	07	652	390	"
Cod	55	1284	572	07	424	618	"
Plum	55	1236	620	07	627	415	"
Po	55	1280	576	07	798	244	"
Ap	55	1492	364	07	880	162	"

*Over one third of these stations or repeats were
marked by bronze tubes set in cement.
J. P. Baker.*

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

4054

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.

U. S. Coast and Geodetic Survey.

Register No. 4054

State S.E. Alaska.
General locality ~~██████████~~ W. Coast of Prince of Wales Is.
Locality Coronation Id.
Chief of party Thos. J. Maher.
Surveyed by Chas. K. Green and H.E. Finnegan.
Date of survey 1923
Scale 1: 20,000
Heights in feet above Mean High Water.
Contour interval 100 feet.
Inked by . A.W.S. Lettered by . A.W.. Skilling
Records accompanying sheet (check those forwarded): Photographs,
Descriptive report, Horizontal angle books, Field computations,
Data from other sources affecting sheet

Remarks: Upon completion of the field work this sheet was tied with a piece of red tape and stowed in a chart tube in the wardroom office. On the way to Seattle the wardroom office shipped water in a heavy sea, and the tube came adrift during the night, causing the sheet to become damp, and slightly stained from the red tape.