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Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey TopographicField No. _____ Office No. T-3313
T-3314
T-3376

LOCALITY

State Alaska

General locality _____

Locality Tlevak Strait1902

CHIEF OF PARTY

R. B. Derickson

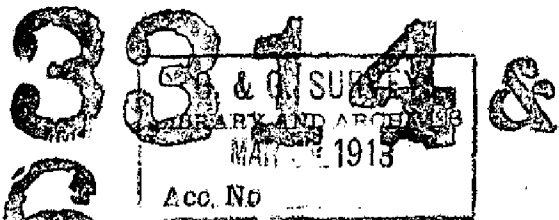
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DATE March 5, 1913

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Descriptive Report

of

Topographic Sheets No's 1, 2, & 3.

Tlevak Strait,

S.E. Alaska.

Executed during the season of

1912.

Note:

The control of the topography shown on these sheets is based upon the triangulation of Tlevak Strait, executed in 1906 by the Party of Asst., E.F. Dickins.

In small bights and bays not reached by the triangulation a number of flags and temporary marks were made and located by plane-table cuts. The positions of these temporary marks were transferred to the hydrographic sheets direct. A list of these flags with their geographic positions was compiled by Aid Joachims and is attached to this report.

R.B. Austin
Chief of Party, C. & G. Survey.

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Descriptive Report to accompany Sheets No's. 1, 2, & 3.

LIMITS.

This work comprises three topographic sheets, two of which are on a 20,000 scale, and the other on a 10,000 scale. A line drawn from Howkan Village to Lacey Islands forms the limits of the work on the south-east end. The work extends from this line in a north-westerly direction to the north shore of Mears Passage. The topography extends back inshore from one half to two miles, varying with the character and lay of the land. The area comprises all of Tlevak Strait, Tlevak Narrows, part of Ulloa Channel, part of Mears Passage, most of the shoreline adjoining Tlevak Strait, and many bays, inlets, and groups of Ids.

GENERAL DESCRIPTION.

The topography of this section is very irregular. The coast is indented by many bays, creeks, inlets, etc., and the water area is dotted with many islands, rocks, and reefs. In general the coast is bold, rocky and precipitous. In most places deep water extends close into the shore and islands. Practically all the land is heavily timbered with spruce, hemlock and cedar. Some of the high mountains which are visible but not included in the area, covered by the sheets, are treeless and of a whitish cast. The ledges along the shores of Dall Island, and many of the smaller islands, is marble of an inferior quality. The hills and mountains are steep and some of them are more than two thousand feet in elevation. Fresh water is abundant, and there are many landslides.

ISLANDS AND ROCKS.

There are many islands and rocks extending westward from Shoe Rock along the northern end of Long Island. The Channel Islands are two islands connected by a reef near Howkan Village. There is a large group of islands in the south end of Tlevak Straits, the largest of which is Grand Id., and there are several navigable passages between these islands. The McFarland Islands, Corlies Islands, Nichols Islands, and Lively Islands, consist of several large and many small islands, rocks, and reefs, and deep water extends close inshore. There are many other islands and rocks which need no description as they are all shown on the sheets. There are practically all heavily wooded and are from twenty five to two hundred feet in elevation.

BAYS AND INLETS.

North Bay is a long bay about three miles south of Tlevak Narrows. There is an anchorage in the south-west end of this bay but it should only be used in cases of necessity in heavy weather, as the winds draw through with great force and the holding ground is not good. Rose Inlet is a large bay in Dall Island with a number of islands at its mouth. There is a large salmon cannery at the head of this bay and vessels should make the approach with caution in order to clear the reef which lies out from the wharf. Kas-cook Inlet is a bifurcated bay and there is a sheltered anchorage in the east fork. Vessels can also anchor in Grace Harbor and Vesta Bay but they draw more or less winds in south-east weather. Owing to lack of time much of the topography of View Cove, Coco Harbor, Baldy Bay, Dunbar Inlet and Soda Bay was omitted.

TLEVAK NARROWS.

Tlevak Narrows locally known as the Skookum-Chuck, is a narrow body of water connecting Tlevak Strait with Ulloa Channel. There are a number of islands and small inlets both north and south of the Narrows. By estimation the current runs from three to six knots through these Narrows causing many whirlpools and eddies. There is a wooded island in the middle of the Narrows forming two channels. Vessels may pass through the west channel at most times by careful navigation but the east channel is obstructed by reefs and should be avoided at all times. Shortly after passing through the Narrows the strength of the current is greatly diminished. The reefs and rocks in this vicinity are all shown on the topographic sheet and no special description is deemed necessary.

HEADLANDS AND POINTS.

The headlands are mostly ~~xxx~~ all bold and abrupt. Turn Point in Tlevak Narrows is an abrupt point rising to an elevation of about 300 feet. Cayman Point, between Farallon and Noth Bays, is a little more than 1100 ft. ^{east} in elevation. The north end of this headland is known as Cayman Point and is divided from the main headland by a low pass. The headland between Farallon Bay and Breezy Bay is bold and irregular, and rises to an elevation more than 1500 feet. Eolus Point is bold and irregular and is a little more than a 1000 feet in elevation. Reef Point is a long point projecting into Tlevak Strait just above View Cove. This point is about 420 feet at its outer end and a little over 800 feet about a mile back. High Point is bold and rounded and is about 1700 feet in elevation. The headlands between Rose Inlet and Vesta Bay also between Vesta Bay and Grace Harbor are high and prominent. Halibut Nose is irregular and not so high and prominent as some of the other headlands.

WEATHER.

The weather in this section varies and probably only a few general rules can be applied which would hold true for any considerable period of time. Like most all of this section of Alaska there is an abundance of rainfall. Clouds hang low and there is more or less fog. A heavy Scotch mist, almost as dense as fog, often envelopes the surroundings. During the summer months the weather is comparatively good, but in October the south-east gales start in and continue with more or less frequency throughout the winter months.

SURVEY METHODS.

The work on these sheets was all done with plane-table. The contours are approximate and represent the general topography of the land. Elevations were taken by intersections on the tops of peaks and the contours were sketched from these. Work was carried on during heavy rain showers, and at times the sheets got very wet, therefore, they are somewhat distorted. As will be seen from the different sheets, some of the shoreline was omitted owing to lack of time. The shoreline is considered very accurate and the same amount of attention was given to all of it.

Respectfully submitted,

John W. Maupin,

Asst., C. & G. Survey,
Topographer.

Projections made and triangulation stations plotted in field
by J. W. Maupin, Assistant.

Topography on sheet #3 done jointly by Asst. Maupin and Aid
Joachims.

W. J. A.

GEOGRAPHICAL POSITIONS OF PLANE TABLE SHEET NO. 1.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Gent ✓	55° 00'	786.6 1068.8	132° 41'	983.1 83.5	Whitewash on highest part of point.
Skin ✓	55 00	1277.7 577.7	132 42	718.1 348.5	White flag in scrubby tree.
Pine ✓	55 00	662.4 1193.0	132 43	501.2 565.4	White flag in small tree.
Big ✓	55 00	331.2 1524.2	132 44	154.7 911.9	Tripod whitewashed.
Fix ✓	55 00	657.5 1197.9	132 44	1049.6 17.0	Flag propped up by stones.
Rud ✓	54 59	1237.1 618.3	132 44	799.9 266.7	Whitewash.
Lit ✓	54 59	449.3 1406.1	132 44	1022.5 44.5	Small white pendant (plain flag)
Chip ✓	54 59	567.7 1287.7	132 43	372.3 694.7	Log of drift wood stood on end, w/ flag.
Jap ✓	54 59	429.4 1426.0	132 44	242.5 824.5	Whitewash.
Woe ✓	54 58	1619.2 236.2	132 42	1017.4 49.2	Whitewash.
Wall ✓	54 58	1007.9 847.5	132 42	966.0 100.6	Whitewash.
Con ✓	54 58	1640.5 214.9	132 44	423.1 643.9	Flag & banner.
Low ✓	54 58	1450.8 1404.6	132 41	513.8 552.8	Topographers set up flag.
White ✓	54 58	1019.4 836.0	132 41	455.2 611.8	Large tripod, flag and banner.
Slat ✓	54 59	416.0 1439.4	132 45	322.9 743.7	Tripod & flag.
Poke ✓	54 59	1090.8 764.6	132 45	436.7 629.9	Banner

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Ant.✓	55° 00'	14.5 1840.9	132° 46'	71.8 994.8	Flag & whitewash.
Hy✓	55 00	547.0 1308.4	132 46	447.3 619.3	Flag & Whitewash
Pry✓	55 00	834.4 1021.0	132 46	1006.8 59.8	Tripod & flag.
Sop✓	55 00	1542.4 313.0	132 47	219.8 846.4	Tripod & flag.
Sea ✓	55 00	1835.4 20.0	132 47	177.7 888.5	Tripod & flag.
Sok ✓	55 01	60.3 1795.1	132 46	739.9 326.3	Tripod & flag
Tide	55 01	266.0 1589.4	132 46	972.4 93.8	Tide staff.
Fo ✓	55 01	44.1 1811.3	132 46	520.5 545.7	Tripod & flag.
Let ✓	55 00	1680.1 175.3	132 46	486.2 580.0	Tripod & flag
Fi ✓	55 01	528.8 1326.6	132 46	658.4 407.8	Tripod & flag.
Zu ✓	55 01	839.1 1016.3	132 46	718.2 348.0	White flag.
Yo ✓	55 01	864.3 991.1	132 46	997.1 69.1	Tripod & flag
We ✓	55 01	658.0 1197.4	132 47	281.2 785.0	Tripod & flag.
Di ✓	55 01	226.0 1629.4	132 47	519.8 546.4	Tripod & flag.
Al ✓	55 00	1822.2 33.2	132 47	528.1 538.1	Tripod & flag.
Grass ✓	54 58	134.4 1721.0	132 49	262.4 805.1	Highest pt of rk. about 18' high
Ker ✓	54 58	1817.8 37.5	132 50	662.4 404.6	Banner & flag on small rocky islet.
Shot ✓	55 01	231.8 1623.6	132 50	1025.1 41.1	Whitewash.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Bug ✓	55° 00	845.8 1009.6	132° 48'	277.9 788.3	Tripod & flag.
Nat ✓	55 00	295.2 1560.2	132 47	421.1 645.1	Tripod & flag.
Bly ✓	54 54	1397.4 458.0	132 55	466.1 603.2	Flag & banner in a tree
Bar ✓	54 54	865.9 989.5	132 55	500.3 569.0	Whitewashed barrel on N.cor of wharf.
Rel ✓	54 54	822.5 1032.9	132 54	890.8 178.5	Whitewash & flag
Dry ✓	54 54	1111.9 743.5	132 54	10.8 1058.5	Flag & banner on reef cov.at H.W.
Flop ✓	54 54	18.5 1836.9	132 52	639.0 430.3	Whitewash, banner and flag.
How ✓	54 55	338.5 1516.9	132 49	765.8 303.0	Small P.T. flag.
Cap ✓	54 55	863.3 992.1	132 48	1048.2 20.6	Flag & banner
My ✓	54 55	535.2 1320.2	132 48	493.6 575.2	Flag in cleft of rocks.
So ✓	54 54	1797.3 58.1	132 48	327.8 741.0	Planetable flag.
Me ✓	54 54	816.9 1038.5	132 47	1052.8 16.5	Planetable flag.
Fa ✓	54 54	238.6 1616.8	132 47	683.3 386.0	Planetable flag.
Say ✓	54 54	545.3 1310.1	132 47	580.0 489.3	Planetable flag.
Zu ✓	54 55	163.8 1691.6	132 47	972.2 96.6	Planetable flag.
Fe ✓	54 55	888.2 967.2	132 47	767.9 300.9	Planetable flag.
No ✓	54 55	1232.4 623.0	132 48	406.0 662.4	Planetable flag
Foe ✓	54 54	1071.8 783.6	132 54	832.8 236.0	Planetable flag

* Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Joe ✓	54° 57'	290.1 1565.3	132° 55'	650.0 417.9	Flag & banner
Ves ✓	54 56	511.4 1344.0	132 54	363.1 605.3	P.T.flag.
All ✓	54 56	462.4 1393.0	132 54	609.8 458.6	Whitewash.
Hay ✓	54 56	367.8 1487.6	132 55	531.0 537.4	Flag & banner
Ter ✓	54 56	208.3 1647.1	132 55	858.1 210.3	Whitewash & flag.
Kil	54 55	1538.0 317.4	132 55	1035.3 33.1	Boundary monument for mining claim.
Lik ✓	54 55	1159.3 696.1	132 55	429.8 638.6	Whitewash & flag.
Din ✓	54 55	1514.0 341.4	132 55	390.1 678.3	Flag & banner.
She ✓	54 55	1641.0 214.4	132 54	866.4 202.0	Flag & banner
Rug ✓	54 55	852.5 1002.9	132 54	06.5 1061.9	P.T.flag.
Rue ✓	54 55	450.0 1405.4	132 54	592.5 476.3	P.T.flag.
Tie ✓	54 54	1467.4 388.0	132 54	811.9 256.9	Flag & banner
Pea ✓	54 54	1381.3 474.1	132 54	867.3 201.5	Flag & banner.
Rock ✓	55 02	687.4 1168.0	132 48	766.5 299.2	Whitewash rock
We ✓	55 02	835.0 1020.4	132 48	430.7 635.0	Whitewash rock
Tom ✓	54 58	74.4 1781.0	132 51	394.5 673.0	Whitewash.
It ✓	54 57	925.0 930.4	132 51	715.0 352.5	White wash & flag
Der ✓	54 57	1721.4 134.0	132 52	377.5 690.0	Whitewash.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Pix ✓	54°58'	274.8 1580.6	132° 53'	688.5 379.0	Tripod, flag and whitewash. .
Wall ✓	54 58	1188.4 667.0	132 52	506.8 560.7	Whitewash
Flo ✓	54 57	1167.0 688.5	132 56	961.2 106.3	Flag on small rky islet.
Bo ✓	54 57	879.4 976.0	132 56	206.5 861.0	Small P.T. flag on rock.
Bob ✓	54 57	442.0 1413.0	132 56	335.0 732.5	Whitewash
Ned ✓	54 57	498.4 1357.0	132 56	778.0 289.5	Center of small islet with trees on it. .
Ann ✓	54 56	1516.5 339.0	132 57	156.4 912.0	Flag & banner
Bill ✓	54 56	987.4 868.0	132 56	758.3 310.1	Flag supported by boulders.
Bat ✓	54 56	665.0 1190.4	132 57	588.4 480.0	Flag & whitewash.
Den ✓	54 56	994.3 861.1	132 57	1008.4 60.0	Small tripod and flag
If ✓	54 56	824.8 1030.6	132 58	499.0 569.4	Small P.T.flag.
Dick ✓	54 56	1527.1 328.3	132 58	641.8 425.1	Banner nailed to NE cor.of Rose Inlet
Bib ✓	54 56	1846.9 08.5	132 58	369.0 698.9	Cannery dock. Flag & whitewash.
Can ✓	55 00	268.4 1587.0	132 47	522.2 544.0	Tripod and flag.
Tar ✓	55 00	539.6 1315.8	132 47	608.4 457.8	Tripod, flag and whitewash.
Bat ✓	55 00	610.5 1244.9	132 47	789.8 276.4	Tripod, whitewash and flag
Rat ✓	55 00	777.2 1078.2	132 47	889.1 177.1	Whitewash, tripod, and flag.
Cry ✓	55 00	1046.8 808.6	132 47	931.6 135.0	Whitewash, tripod, and flag.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Be. ✓	55° 00'	1201.5 653.9	132° 48'	116.3 949.9	Whitewash & flag.
Chi ✓	55 00	1576.2 279.2	132 48	100.6 965.6	Flag & banner
Son ✓	55 00	1794.3 61.1	132 47	762.5 303.7	Whitewash & flag.
Up ✓	55 01	288.7 1566.7	132 48	155.7 910.5	Whitewash rock
Scale ✓	55 01	543.1 1312.3	132 48	96.8 969.4	Whitewash rock
Jib ✓	55 01	715.5 1139.9	132 48	312.7 753.5	Whitewash rock
Gas ✓	55 01	1007.0 848.4	132 48	229.5 836.7	Whitewash rock
Dot ✓	55 01	1028.4 827.2	132 48	484.2 582.0	Whitewash rock
Head ✓	55 01	1453.3 402.1	132 48	497.0 569.2	Whitewash rock
Tin ✓	55 01	1627.1 228.3	132 48	264.2 801.5	Whitewash rock
Low ✓	55 01	1699.0 156.4	132 48	525.4 540.3	Whitewash rock
Pile ✓	55 02	239.2 1617.2	132 48	688.8 376.9	Whitewash rock
Prom. ✓	55 02	548.4 1307.0	132 48	845.5 220.2	Whitewash rock
Bank ✓	54 55	1726.3 129.1	132 48	582.8 485.6	Whitewash, flag and banner.
Doe ✓	54 55	1725.5 129.9	132 47	741.8 326.6	Whitewash & flag.
Loo ✓	54 56	33.3 1822.1	132 46	775.2 293.2	Tripod and flag.
Mix ✓	54 55	698.6 1156.8	132 46	356.5 712.3	P.T. flag.
Lot ✓	54 55	1785.3 70.1	132 45	876.0 192.4	P.T. flag.

Object	Lat.	D.M.	Long.	D.P.	Remarks.
Ace ✓	54° 56'	545.2 1310.2	132° 45'	566.4 502.0	Whitewash, tripod and flag.
So ✓	54 56	107.6 1747.8	132 44	871.8 196.6	P.T.Flag.
Sin ✓	54 56	635.8 1219.6	132 43	938.1 127.3	Whitewash & flag.
Fly ✓	54 56	1215.0 640.4	132 44	812.4 255.5	P.T.flag.
Cook ✓	54 56	1701.6 153.8	132 45	124.7 943.2	Tripod, banner and flag.
Ear	54 57	1064.0 791.4	132 46	359.3 708.1	Whitewash & flag
Few ✓	54 55	1632.3 223.1	132 49	725.2 343.2	P.T.flag on highest pt.of rk.awash H.W.
Krag ✓	54 57	814.0 1041.4	132 49	166.9 901.0	Tripod & flag.
Fir ✓	54 58	798.0 1057.4	132 50	516.0 551.5	Highest point of rk.
Gem ✓	54 56	1613.1 242.3	132 58	887.1 180.8	Small rock cover- ed at high water.

PLANE TABLE POSITIONS OF SHEET NO. 2.

<u>Object.</u>	<u>Lat.</u>	<u>D.M.</u>	<u>Long.</u>	<u>D.P.</u>	<u>Remarks.</u>
Lil	55° 09'	582.6 1272.9	133° 04'	386.2 676.4	Planetable flag.
Fid	55 09	595.7 1259.8	133 04	30.8 1031.8	Planetable flag.
Sal	55 09	439.8 1415.7	133 05	615.9 446.7	Planetable flag.
Well	55 08	1115.5 740.0	132 04	190.8 872.3	Planetable flag.
Rip	55 09	1523.8 381.7	133 00	650.4 412.2	Planetable flag.
Ed	55 10	1154.1 701.4	133 00	857.2 204.5	Center of small clump of trees.
Bell	55 10	1415.4 440.1	133 00	99.4 962.3	Half tide rock
Fig	55 09	415.1 1440.4	132 59	995.4 67.2	Planetable flag.
Go	55 09	1098.5 757.0	132 59	736.7 325.5	Planetable flag.
Name	55 12	172.3 1683.2	133 00	884.1 177.2	Tripod, flag and whitewash.
Snipe	55 06	997.3 858.2	132 55	652.7 410.8	Tripod, Banner, flag and whitewash.
Hoy	55 05	1493.9 361.6	133 00	361.8 702.2	Whitewash.
Prbde	55 04	1441.9 413.6	132 59	572.7 491.7	Flag & banner.
Grave	55 03	954.1 901.4	132 58	306.0 759.0	Tomb stone
Peg	55 01	1465.7 389.8	132 53	259.2 806.5	Whitewash.

GEOGRAPHICAL POSITIONS OF PLANE TABLE SHEET NO.3.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Par.	55° 16'	479.2 1376.3	133° 12'	330.4 729.1	Whitewash on rky,pt. of Island.
Jar.	55 15	1495.4 360.1	133 10	507.7 551.8	Whitewash
Cap.	55 16	439.0 1416.5	133 08	335.1 724.4	Planetable flag.
Ban.	55 16	783.3 1072.2	133 08	209.6 849.9	Tripod, flag and whitewash.
Maid.	55 16	860.5 995.0	133 08	669.9 389.6	Tripod, flag and whitewash.
Any	55 16	1628.5 227.0	133 08	485.4 574.1	Flag and whitewash.
Wop.	55 16	1833.0 22.5	133 08	318.0 741.5	Flag and whitewash,
Cab	55 16	458.8 1396.7	133 07	884.4 175.1	Small flag & tripod
Nib	55 16	985.9 869.6	133 07	676.1 383.4	Planetable flag.
Bin	55 16	906.5 949.0	133 07	443.7 615.8	Planetable flag.
Leg	55 16	634.5 1221.0	133 07	265.5 794.0	Planetable flag.
Kid	55 15	1759.0 96.5	133 06	1004.3 55.2	Whitewash.
Dig.	55 15	1285.8 569.7	133 06	70.8 988.7	Planetable flag.
Bang	55 15	307.2 1548.3	133 04	270.9 789.1	Tripod, flag and whitewash.
Say	55 16	70.5 1785.0	133 05	589.3 470.2	Whitewash and flag.
Round	55 14	922.2 933.3	133 04	305.7 754.3	Tripod, banner and flag.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Frog.	55° 14'	301.5 1554.0	133° 04'	968.9 91.5	Tripod, flag, and whitewash.
Spy	55 14	692.5 1163.0	133 05	376.4 684.0	Planetable flag.
Cat	55 14	1759.5 96.0	133 02	995.0 65.0	Flag & banner.
Deb	55 14	339.4 1516.1	133 02	177.0 883.4	Flag & banner.
Eye	55 13	861.8 993.7	133 02	971.0 89.7	Tripod & flag.
Tim	55 11	770.9 1084.6	133 05	87.3 974.0	Flag & banner.
Tan	55 11	1466.6 388.9	133 05	145.6 915.7	Flag & banner
Tuf	55 11	1352.4 503.1	133 05	696.7 364.6	Flag & banner
Tie	55 11	806.0 1049.5	133 06	345.8 715.5	Flag & banner.
Toe	55 11	639.5 1216.0	133 05	928.5 132.8	Flag & banner.
Joe	55 12	862.7 992.8	133 06	566.6 494.7	Tripod, flag and whitewash.
Jill	55 12	716.5 1139.0	133 07	09.5 1051.8	Tripod, flag and whitewash.
Tide Staff	55 12	494.1 1361.4	133 07	366.0 795.3	At North Bay.
Bat	55 12	777.7 1077.8	133 08	44.5 1016.8	Tripod & flag
Rube	55 12	1076.3 779.2	133 07	674.1 386.2	Tripod and flag.
Wat.	55 12	1319.2 536.3	133 07	354.5 706.8	Tripod and flag.
Cree	55 13	1319.9 535.6	133 05	1009.8 51.0	Whitewash.

Object.	Lat.	D.M.	Long.	D.P.	Remarks.
Ben	55° 14'	493.8 1361.7	133° 06'	43.0 1017.4	Planetable flag.
Cut	55 13	1437.7 417.8	133 06	600.2 460.2	Whitewash.
Hag	55 15	189.2 1666.3	133 09	961.4 98.6	Flag, banner and whitewash.
Lap	55 15	764.9 1090.6	133 08	780.7 279.3	Planetable flag.
Ill.	55 14	1666.0 189.5	133 10	1027.5 32.5	Flag, banner and tripod.
Pea	55 16	1843.0 12.5	133 09	758.2 301.3	Flag and banner.
Man	55 16	1336.7 518.8	133 08	1045.1 14.0	Flag and banner.
Try.	55 16	1653.9 201.6	133 09	21.5 1037.6	Flag and banner.

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See Topo - 3313

DEPARTMENT OF COMMERCE
U. S. Coast and Geodetic Survey
Washington, D. C.

Topographic Index No.9C

