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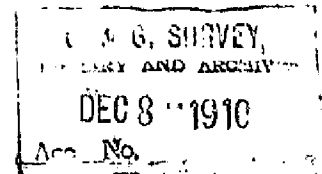
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Department of Commerce and Labor COAST AND GEODETIC SURVEY	
_____ Superintendent.	
State: <u>Alaska</u>	
DESCRIPTIVE REPORT.	
<u>Top</u>	Sheet No: <u>3103</u>
LOCALITY:	
<u>Cook Inlet - West Shore -</u>	
<u>Knik Arm - Goose Bay</u>	
<u>to town of Knik.</u>	
_____ 1910	
CHIEF OF PARTY:	
<u>H. L. Beck.</u>	

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DESCRIPTIVE REPORT

to accompany Plane Table Sheet of

KNIK ARM

( continuation of Sheet 3039 of 1909)

Cook Inlet, Alaska.

St'm'r. McArthur.

Henry L. Beck, Ass't., Com'd'g.

1910.

Descriptive Report to Accompany Topographic  
Sheet F.

Method of Work. Traverse line was run with plane table from a point 1 1/2 miles north of triangulation station Homo to the town of Knik on the West side of Knik Arm and from triangulation station Genus to triangulation station Finis on the East side of the Arm.

East Shore. From Sta. Genus to Sta. <sup>Finis</sup> Genus.

For 1 1/2 miles above Sta. Genus the shoreline runs in a Northerly direction following a bluff, at places bare and vertical, at others sloping and wooded. Then it turns in, reaching a grassy mud flat half a mile further on. It follows the flat for a mile and a half to a high bluff, along which it passes in a Northwesterly direction to Sta. Palisade. These bluffs are vertical and are from 40 ft. to 150 ft. high. At one point 2 miles Southeast from Palisade is a narrow meadow running out to high water mark. The beach here is of small stones and is very steep. Sta. Palisade is on a prominent point, the highest one in this vicinity. From this station the shoreline runs along high bluffs to Sta. Finis.

About half way from Sta. Genus to Sta. Palisade is Yukla Creek running down through the mud flats into a small bay. This creek is about 200 metres wide at high water. The banks are steep and are of soft mud. There is about 4 ft. of water at low tide and the bottom is sandy. The flats are 1 1/2 miles wide and extend inshore

about 2 miles being surrounded by wooded hills. There are several large sloughs running into the flat. In the bay just off the flat are 2 shoals bare at low tide. Their approximate positions are given on the sheet.

All of the bluffs on this sheet are formed of smooth stones and soil firmly pressed together. In some cases sand is so tightly packed as to be nearly as hard as bricks.

#### West Shore.

Work on this side of the Inlet began 1 1/2 miles North of Sta. Homo where previous work ceased. From this point for 2 miles North to Sta. Lean the shoreline is nearly straight, running along a wooded bluff from 15 ft. to 50 ft. high. *The bluff is cut by a few small streams. Just above Sta. Lean is a bare bluff about 120 ft. high.* Half a mile further on is another bluff about 100 ft. high. These two bluffs show prominently in this part of the Inlet.

Here the shoreline turns and passes along a low grassy flat in a curve forming Goose Bay. There is a small stream, Goose Creek, flowing out of the flat near the southern side about 1 1/2 miles from Sta. Lean. The flat extends inshore for two or three miles, apparently, and is bordered by wooded, rolling country.

For about 1 1/2 miles north from Goose Bay to Sta. Crow the shoreline passes a rounding point following a vertical bluff of an even height of about 50 ft. At low water the beach is very narrow over half of this distance. At Sta. Crow the beach is about 60 metres wide at low tide,

From Sta.Crow to a small saw mill about half a mile south of the town of Knik the high water mark follows a wooded bluff varying in height from 40ft. to 70 ft. There are five small streams in this distance, none of which are of any importance. The larger one, Fish Creek, about 1 3/4 miles south of Knik is about 30 ft. wide and runs through a narrow meadow. The creek is about 2 ft. deep at low tide. On the north side of the creek is a homestead. There are four other homesteads in this neighborhood. The beach in this vicinity is of soft, blue mud.

From the saw mill to Knik there is a narrow strip of grassy flat between the high water mark and the foot of a wooded hill. There is a narrow channel following the shoreline from Knik to Sta.Crow. The flats bare to it on both sides at low tide leaving a swift tidal river. At this time the channel is only a few inches deep.

Knik is situated in the hollow of the ridge which follows the shoreline here. The most noticeable object in approaching the town is the white warehouse on the wharf. There are two small wharves about 100 ft. long, which run from high water mark to the edge of the channel. Vessels of about 8 ft. draft now run to Knik. At low water they rest on the bottom at the foot of the wharves.

In the town there is a post office, a saloon, two hotels, two general stores, a drug store, and about

thirty or forty houses. At the recent election thirty votes were polled here. There are a few Indians. The total population is probably about 150.

Just back of the town about  $1/4$  of a mile from the shoreline is a small lake formed by a large spring. The winter trail to Susitna passes along the side of this lake.

No list of plane table positions is furnished for the reason that no objects of a permanent nature that could be recovered in future years are shown on the sheet. Triangulation stations are reasonably close together and they can be recovered.

*E. E. Smith*

Aid, C. & G. Survey,

Topographer.

Approved:

*Henry L. Beck*

Ass't., Com'd'g. St'm'r. McArthur.