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C. & C. SURVEY,
PLANS AND ARCHIVES
DEC 8 1910
L.A. 15

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Flow Sheet No. *3101*

LOCALITY:

*Cook Inlet. West Shore -
Theodore R. to Susitna
R.*

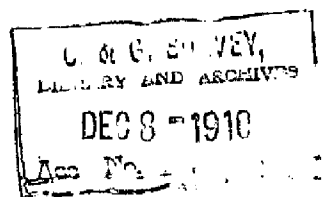
190

CHIEF OF PARTY:

H. L. Beck

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DESCRIPTIVE REPORT

to accompany plane table sheet H
(filling gap between Sheets 3042 & 3043 of 1909.)

Cook Inlet, Alaska.

St'm'r. McArthur.

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

1910.

Descriptive report to accompany Topographic Sheet H.
Method of Work.

Traverse line was run with plane table from the mouth of the Theodore River six and one half miles along the high water mark in a northeasterly direction to join shore line previously surveyed at the mouth of the Susitna River.

Three signals, Ted, Roose and Car, were built and located for use by the hydrographic party. They are not recoverable.
Streams.

One mile north of the Theodore River is a creek about thirty metres wide and four feet deep at low water near the high water mark.

Two and a quarter miles further along the high water mark is the mouth of the Lewis River, a stream about fifty metres wide and six or eight feet deep at low water.

These two streams become wider and shoaler as they leave the high water mark being only a few inches deep at the low water mark. The water in them is fresh. They are navigable for small boats entering near high tide, although on account of the evenness of the shore line the mouths of the streams are not easily distinguishable at this time.

General.

Low tide exposes mud flats from one to two miles out from high water mark. Near the Theodore River the tree line runs along a bluff about three miles inshore. Near the upper end of the work the tree line approaches within a mile of the high water line, then turns up the Susitna River valley leaving a wide flat between the tree line and the river. The ground between the tree line and the high water mark is a stiff mud sparsely covered with grass. There are occasional marshes flooded and drained through sloughs by the tides. This area is covered by storm tides which have left a good deal of drift wood scattered over the flats.

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 exist along this stretch of shore line.

E. E. Smith

Aid, C. & G. Survey,

Topographer.

Approved:

Henry L. Beck

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