

U. S. COAST AND GEODETIC SURVEY.

E. M. Shonn, Superintendent.

State: *Maine*

DESCRIPTIVE REPORT.

Topographic Sheet No. *1780*.

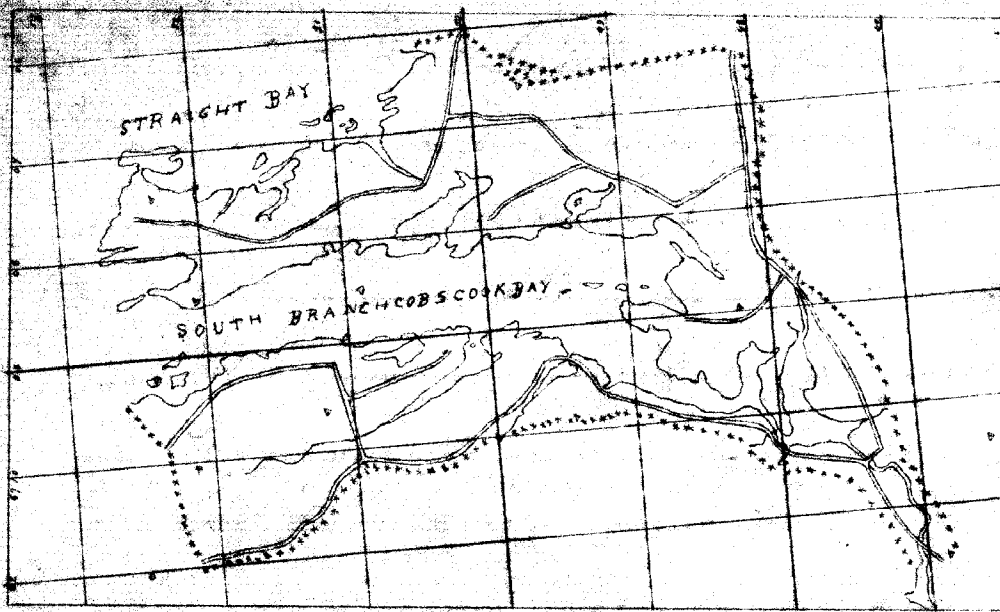
LOCALITY:

Cobscook Bay.

1887.

CHIEF OF PARTY:

J. H. Gray.



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which extend some distance inland. But the
soil generally bears evidence of being drift.

The shore line is of broken cliffs, gen-
erally in a stratified condition. They are slowly
being denigrated by the action of heavy frost
and ice. In one place the cliff is of a solid
material and is receding quite rapidly by these
agencies. In some places the beach is of boul-
ders, being liberated from the molded drift by
different agencies; but no sand beaches appear on
the shore.

Inland the rocks which are exposed have
a rounded appearance bearing upon them many he-
avy grooves or scratches varying in direction from

Description Report.

South Branch Calcock Bay, Maine.

Section I.

The country shown on sheet bearing this name little presents a variety of geological features, being generally of a broken character, and in but few instances can a level spot be seen.

In some places along the shore, which is generally rugged, may be seen stratified rock which extend some distance inland, but the soil generally bears evidence of being drift.

The shore line is of broken cliffs, generally in a stratified condition. These are slowly being disintegrated by the action of heavy frosts and ice. In one place the cliff is of a slaty material and is receding quite rapidly by these agencies. In some places the beach is of boulders, being liberated from the molded drift by different agencies, but no sand beaches appear on the coast.

Inland the rocks which are exposed have a rounded appearance bearing upon them marks - but none or sometimes varying in direction from

N. to N. by E. In several instances are quite large rocks projecting above ground, and, no others being visible, these to show grooves.

The soil is of clay and sand mixed, but is not very productive on account of the short seasons, the principal productions being Potatoes, Hay, Oats and Barley, in the order named.

Most of the forests are of second growth timber comprising Spruce, Pine, Fir, Cedar, Hackme-lack, Hemlock, Birch, and small quantities of Oak, being almost impenetrable from underbrush.

Communication is carried on by both land and water. The narrow channel, and large rise and fall of the tide, prevent a great amount of shipping. The roads are built on the clayey soil paved mostly with gravel taken from the large gravel banks in the vicinity, and are generally in a fair condition. The bridges are not very frequent, but are not as stable as might be.

The fences are now built on the surface to prevent forests from affecting the growth.

There are but two streams on the sheet, Change and East streams, both being used for water power and are not navigable.

The only village on the sheet is Whiting, population about 80. The settlement was first induced by the immense quantities of pine timber, and being near the head of the South Branch, and on Change stream, which afforded an abundant water power, the stream originating in the large lakes inland.

There is but little fruit cultivated, consisting largely of apples.

The proportion of grass land compared to the wooded land is

Most days topographical work was done. — 67.

" " " " " " " Presented by last meeting — 38.

" " " " " " other causes - 23

No. of miles of shore line surveyed — 53.7

" " " railroads & other work surveyed ————— 23.5-

... " " " crabs swayed — . 3

Approximate area of country (sq. miles) surveyed — 14.5

Character of the Topography — Shore line and filling in.

No. of persons in party, exclusive of Chief of Party — 4

Means of transportation — Double team and small boat.

Cont. per square mile. — \$127.21

Scale of Survey — 10,000

Plane-table instrument, determined by Bessel's first & second methods, and Lehman's triangle of error.

Over for Cost as
estimated at office

U. S. COAST AND GEODETIC SURVEY OFFICE,

Washington, April 11th, 1888.

Mt. Columna

[Signature]

Approximate measure of Top-
Sheet 1780. S. Branch of Cobscook Bay
by J. H. Gray 1887

Shore line 56 miles
Roads 24 "
Area, Sq. Miles 14

Resp to
Ed

J. H. Gray

Expended from May 21st to June 30

July 1 to Oct 18th

Salary from May 21 to Dec 18 on first term

Oct. 19th Dec 31st Office work & leave

Total

attest? \$581.

13 23.39

37 5.

17 5.

2484.39

Sq. m.

Field work Executed in Sq. Miles

14

" " Shore line = 56 =

11

" " Roads = 24 =

2

Gray orders to file & Shub
only partly inc'd Bde

27) 2454
243
24

\$91 per Sq. m. 27