

4274

Diag. Lt. Nos. 8152-1 & 8252-1

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Alaska*

11-5813

DESCRIPTIVE REPORT.

Hyd Sheet No. *4274*

LOCALITY:

Iphigenia Bay,

1922

192

CHIEF OF PARTY:

T. J. Maher

4274

ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 4-VEC

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 22, 1924.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4274

Iphigenia Bay, Alaska

Surveyed in 1922

Instructions dated Feb. 25, 1922

Chief of Party, T. J. Maher.

Surveyed by T. J. Maher, R. W. Healy, C. K. Green & J. Senior.

Protracted by H. L. Bloomberg.

Soundings plotted by J. D. Torrey.

Verified and inked by R. L. Johnston.

1. The records conform to the requirements of the General Instructions except that no descriptive report was submitted.
2. The plan and character of development conform to the requirements of the General Instructions.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are as good as could be expected considering the depths and the irregular character of the bottom.
5. The information is sufficient for drawing the usual depth curves.
6. Only the protracting was done by the field party. The position marks are punched too large.
7. The junctions with the adjoining sheets are satisfactory.
8. The leadline development is very complete on all shoals. As there are no indications of menaces to navigation no further sounding or wire dragging is required.
9. The character and scope of the surveying and field drafting are excellent.
10. Reviewed by E. P. Ellis, August, 1924.

Hyd Sheet No 4274

Within the limits of the work the ground is well covered and the soundings agree as well as can be expected in an area where the ground is so broken.

The holes punched at positions are too large.

Attention is called to the sounding of 33 fathoms at pos. 37D. In the original record this sounding looks more like 93 than 33 and is shown as 93 on the boatsheet. Capt. Maher is of the opinion that it should be 93 fathoms.

This work is joined by the following hydrographic sheets, Hyd 4208^a, 4208^b, 4273, 4325, 4260 and 4261^b. All of these surveys were made by the same party and have been joined up to this sheet except Hyd 4260 and Hyd 4261^b, which are uncompleted at this time and will have to be joined later. The work joins up well with one exception. There is quite a gap between the work on this sheet and Hyd 4273, between long. 133-51 and 133-52.

The sentry tripped at pos. 60 AL and at pos 73 AL, set at fifteen fathoms, but the record plainly states that this was due to a mechanical imperfection. The sentry was carried away at pos 46 R and pos 76 R, probably due to the wire breaking.

R. L. Johnston

The records contain all the information called for in the general instructions.

7/23/60 Chart 8173 additional sqs added to replace title Helmer