or less erroneous, and affect the bearings. A considerable error in the coast line (about three miles of distance), we have also found in the Admiralty charts, between Arnott Point and Jackson's Bay, and

an error of 1' 9" of latitude in the position of the Open Bay Islands.

The work of fixing the geographical position and true bearings of the different points on the coast (the spheroid distance being used for base lines), can, I am satisfied after a careful inspection of the coast, be carried out with a good boat's crew and equipments. This plan will be by far the most economical, as we shall thus avoid the constant expense of maintenance of the "St. Kilda," and as no vessel could be employed with advantage until the stations are fixed for the triangulation. el could be employed with advantage until the survey, &c.
In conclusion, I beg to forward the usual returns of survey, &c.
I have, &c.

G. A. Woods,

Surveyor in charge of Colonial Coast Surve y.

James M. Balfour, Esq., C.E., Colonial Marine Engineer.

RETURN of SURVEY of COAST of NEW ZEALAND for the financial year ending 30th June, 1868.

Surveyor-George Austin Woods.

-Walter H. Pilliet (till injured by the wreck on 3rd February). Charles G. Knight (from 1st April). Assistant-

1. Nature and extent of coast line surveyed, whether open sea coast, friths, rivers, or harbours.

2. Area sounded over in square miles.

3. Average distance off shore to which soundings have been carried, and outer depth.

4. Was the triangulation executed by the survevors?

5. Has a series of tidal observations been made?

6. Number of officers employed in the survey.

7. State nature and amount of work by each

party engaged.
8. Date of beginning and ending of seasons for

work (out-doors)

9. Number of days prevented working abroad by fog, rain, and strong winds, or other unforeseen circumstances.

10. Name of vessel and number of crew.

11. Opinion as to the scale on which the surveys should be published, having reference to the general } wants of navigation.

12. When will fair copy of work and tide register

be lodged with the Government?

13. Are the sailing directions in preparation, and when will they be ready?

7 miles of port in 20-chain scale; $5\frac{1}{2}$ miles of port in 10-chain scale; ½ mile of port in 5-chain scale; 85 miles of sea coast in 1-chain scale. 337 square miles.

4 miles; outer depth, 80 to 100 fathoms.

Yes.

Yes.

Two; assisted, when practicable, by Captain Fox and the chief officer of the "St. Kilda."

Equal share in work generally.

Commenced 15th December, 1867, ending 30th June, 1868.

Bad weather, 24 days; wrecked, 4 days. Total time lost from all circumstances, 46 days.

Government steamer "St. Kilda," 90 tons, 4 boats, 20 men, including engineer and firemen.

As draughted for ports, &c., coast on $\frac{1}{2}$ -inch scale.

Ports, &c., herewith transmitted.

Those for the East Coast surveys are transmitted.