

After having fixed your encampment, you will erect a tide-staff, and keep the hourly observations, as also the noting of the times of equal altitudes on the staff between tides.

The set of the currents, in and out of the harbour, at different times of the tide, will be attended to; and a rough diagram of their flow, by the direction of arrows, will prove satisfactory to make your observations intelligible.

If you find a projecting cape at the mouth of the harbour, you will not fail to get several azimuthal observations on the different points north and south, establishing the correct trending of the coast. The latitude and longitude of this point you will carefully determine.

After having finished this survey, you will proceed along the coast in your canoes (choosing a smooth time), and sketch its trendings and outlines to Shoalwater Bay, from whence you will despatch a letter for me, directed to Mr. Birnie, at Fort George, and proceed to survey with all accuracy that bay, until you have finished it, and the shores around to Cape Disappointment, which had better be done on shore, as the rollers near the cape are to be cautiously guarded against in the canoes you are to effect your work in.

From Shoalwater Bay you will pass over a small portage, when you will enter a lake that has its outlet in Baker's Bay, where you will join the ships, or await my arrival there.

In executing this duty, you will be very particular as respects the safety of your party from the natives, taking great care to avoid any collision with them, and to take up your encampments at remote distances from their lodges. Your party are provided with the necessary arms to protect themselves. None of them must be disposed of, nor any thing else given for trade, and you will take particular care and use great economy in the expenditure of every thing belonging to the government, and not abandon any thing, except through absolute necessity, in which decision the officer who accompanies you must coincide.

Before quitting Gray's Harbour, you will see that all the work of the survey is plotted, and a copy of it taken on tracing paper, which must be deposited in a separate place, to prevent the loss of both.

I am aware that you may be detained a few days on account of the surf and weather; but do not risk your men, or omit to perform the duty assigned you.

These orders you will show to Passed Midshipman Eld, that he may take a note of them, in case of accident.

A full report will be expected from you, relative to the country