Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O.H. Kittmann
Superintendent.

State: Wash.

DESCRIPTIVE REPORT.

\( \frac{2}{5} \)...... Sheet No. 205 C.C.

LOCALITY:
United States and
Canada Boundary Survey

Staff of Juan de Fuca

Watercourses Boundary
Ref. Monument

1909

CHIEF OF PARTY:
Freemont Morse
Descriptive Report to accompany topographic Sheet entitled, "Topography in the Vicinity of the New Dungeness Boundary Reference Monument, Strait of Fuca, Washington."

In accordance with an agreement between the Commissioners by which existing light houses are to be used as reference monuments where available, the New Dungeness light house was chosen as the reference mark for the turning point of the boundary line lying in the middle of the Strait of Fuca between New Dungeness and Victoria, in approximately Latitude 48 17 N. and Longitude 123 14 40 W.

The light house is a permanent structure built of masonry and brick, and is one of the oldest light houses on this part of the coast. It stands at the end of a spit of sand, gravel and boulders about five miles long, which, stretching out from the west end of the broad point at New Dungeness in a northeasterly direction, forms with the adjacent main shore line New Dungeness Bay. The spit rises only a few feet above the ordinary high tide level, and in the highest tides of winter the surf at times washes over it, sometimes coming up into the yard of the light house. Immense quantities of logs and drift wood are stranded on the spit, and help to prevent the drift of the sand. Near its extremity the spit broadens, and it is on this broad part that the light house is built.

The principal buildings are the light tower, surmounting the old keepers dwelling; a new keepers dwelling East from the tower; the new siren house, North from the new dwelling; and the old fog signal, East from the siren. A catchment basin for collecting
rain water for the use of the station stands East from the old fog signal. Westerly from the light house, and on the inside of the spit, in the most sheltered spot where there is sufficient depth of water, there is a wharf for the landing of stores.

Westward from the wharf the spit narrows down to a high water width of only about twenty meters, and looking at it it seems almost marvelous that the spit can maintain its continuity, or even its existence, in the face of the tremendous forces of current and wave that assail it during the fierce winter gales.

The high concrete pier erected over the Coast and Geodetic Survey station "Dungeness" is still standing, but the sand has drifted away from one side of it, causing it to lean. It seems only a question of time when it will be undermined and fall.

Steamers from Seattle and Port Townsend bound for ports along the South shore of the Straits of Puca call at the landing at the town of New Dungeness, on Dungeness Bay, daily except Sundays, and the light house can be reached from the town by boat. The light keeper runs over in his launch for mail frequently, so the reference monument is readily accessible.

Thornhill House,
Assistand, C.& G.Survey,
Chief of Party, U.S.& C.B.S.