

Bee House on Humphrey Head, Lopez Island.

901219-3 photo to S, Frost Island in distance, wave 40-60 feet intervals, 4'-5' high.

901219-5 wave breaking against Round Point on shoreline S of Spring Cove.

901219-9 *ibid.* and some action on Lichen Point.

901219-10 *ibid.*

901219-11 *ibid.*

901219-14 general wave pattern from S Bee House.

901219-15 *ibid.*

901219-18 Below Bee House on shoreline. Backwave action.

901219-20 S showing general wave action. The greater velocity of wind the greater wave interval and lower the wave height.

901219-21 *ibid.*

901219-23 *ibid.*

From ridge above Shoal Bay Marina, photo 901219-27 of new snow and wave action in Shoal Bay. Photo to W.

901219-29 photo from ridge E above Shoal Bay Marina showing wave barrier and general wave action to W in Shoal Bay. I am informed that the boulders are gradually being displaced by wave action and that the current passage on E end is increasing in width.

901219-30 photo *ibid.*

901219-32 Barber's sail boat with jibsail damage from this wind. Boat at Shoal Bay Marina.

901219-33 Shoal Bay marina, Lopez Island. From benchland S & E of marina.

Left Bee House for circuit route on Humphrey Head at 11:00 A.M. On driveway between first and second driveway, Douglas fir branches (2 to 15" long) every 8". On main road below entrance Bee E state, Conifer branches 1 every 5" and more on E side than W side of road because of downdraft on W side. O'Leary driveway and main road S of his entrance is swept clean of Conifer bows and loose dirt. 4 more trees down on S side of his driveway. Noise of wind in these channel area has increase with forest opening up. Returned to main road and followed N to pond at garden plot. The ice is 1/2 inch thick. at SW corner of garden plot a grand fir was blown over. It is 100' long and in diameter (circumference). Probably from supersaturated soils from garden watering and clearing of plot. A section of this tree shows annulae. Associated with the road that passes the pond (to Hitchcock) in the first 200' had 5 downed trees across the road.

need measurements.