

red-throated loon, pelagic cormorant, 4:06 P.M. N end Humphrey Head, double-crested cormorant. Arrived Lopez Island ferry terminal at 4:11 P.M.

Feb. 7, 1990

9:30 A.M. Waves 22 per minute. 50 year old

The local lumberman said that trees on Lopez Island are 18" in diameter, whereas on the mainland they are 24-28 inches in diameter. One six inch diameter tree had 98 annual rings [I presume he was talking about Douglas fir.] There are from 2 to 4 truck loads of logs that leave Lopez Island every day.

Feb. 8, 1990

Snow $\frac{2}{3}$ way down W slope Blakely Island E of Bee House.

Flocks of 10 to 45 American crows visit and feed at Bee House 4-5 times a day.

3 adult bald eagles in area this A.M.

4 purple finch at feeder at Bee House.

10:05 8 purple finches at feed at Bee House.

1:42 P.M. 384 pelagic cormorants in one group fed out 150' SE from Bee House. In 4 minutes they had moved to 200' off Lichen Point.

Fisherman Bay Causeway; W side, 7 ♂ 4 ♀ Harlequin ducks, 2 common loon, 1 red-necked grebe, 3 horned grebes, 11 bufflehead ducks. On E side, 28 buffleheads, 4 scaup, 8 surf scoters, 2 great blue heron, 8 glaucous-winged gulls, 11 American crows, 1 red-breasted merganser, another group 8 surf scoters.

Swift Lagoon: 6 mallards, 3 buffleheads, 8 gadwall, 5 hooded mergansers.

new gulls that spend day in Swift Bay at shoreline start to pass N past Bee House at 5:15 P.M. ^{or later} and end at about 5:34 P.M. at late twilight. On some occasions they fish in area of Bee House before continuing N. In the above case approx 1600 new gulls fished in front of Bee House from Boundary Point to Lichen Point. They fed from 8' from shore to out 120' from shore and in a continuous band 1000' long and 100 or so feet wide. They followed a pattern of fishing S along shoreline, then out to 120' then either curving back to re-