

Jan. 27, 1990

Fisherman's Bay Causeway. Windy. Birds: 2 black-bellied plover, 8 bufflehead, 12 American widgeons, 1 great blue heron, 4 glaucous-winged gull, 8 mew gulls,

Swift Bay Low Bank: 13 surf scoters, 11 buffleheads, 8 American widgeons.

Hummel Lake: red-tailed hawk.

Jan. 28, 1990

9:06 A.M. wind move waves 23 waves per minute, white caps and foam streamers.

a river otter swam continuously on surface of water with waves 2'-4' high and was tossed about. Swam approx. 15' out from shore.

Rain on and off all morning to at least 9:30 A.M. and then periodically the remainder of the day.

Marcia Simpson of Rt 1, Box 1080, Sound Road, Lopez Island, reports 2 bald eagles building nest in view of her front porch. The birds have been building nest since Oct of last year and have increased the nest to 50% of its former size. In late summer last year they left area and returned in October. Marcia's telephone number is 864-3235.

11:25 A.M. waves still 23 per minute and raining.

4:00 P.M. 81 pelagic cormorants in area between Bee House and Leo Reef. more actively fishing than on previous days. The average times for various phases of fishing vary according to the size of the group. For this small group:

- 18 seconds between start of diving and all birds under water.
- 50 seconds under water and birds starting to surface. now dispersed.
- 20 seconds for all birds to reappear.
- 40 seconds to 2 mins. to reorganized if reorganization is scheduled.

Birds dispersed too far will fly back to main group. This group of bird worked off Lehen Point, thence E $\frac{2}{10}$ mi, thence S $\frac{2}{10}$ mi at 10:05 A.M. Day clear, gusty winds on relatively calm water.

One 100' diameter circle of gusty wind, reduced small wavelets and smoothed water.

10:10 A.M. 46 American crows at Bee House feeder, one of 3-4 daily groups. One lone crow arrived ^{7:22 A.M.} from S, turned around

