

no birds or harbor seal on Leo Reef for last 3 days.

Bee Estate, Humphrey Head, Lopez Island, San Juan Co., Wa.
Feb. 3, 1989

10:45 P.M. Waves 18 per sec all A.M. Height wave estimated 3 1/2 ft, wind blew spray off whitecaps. Sunny,

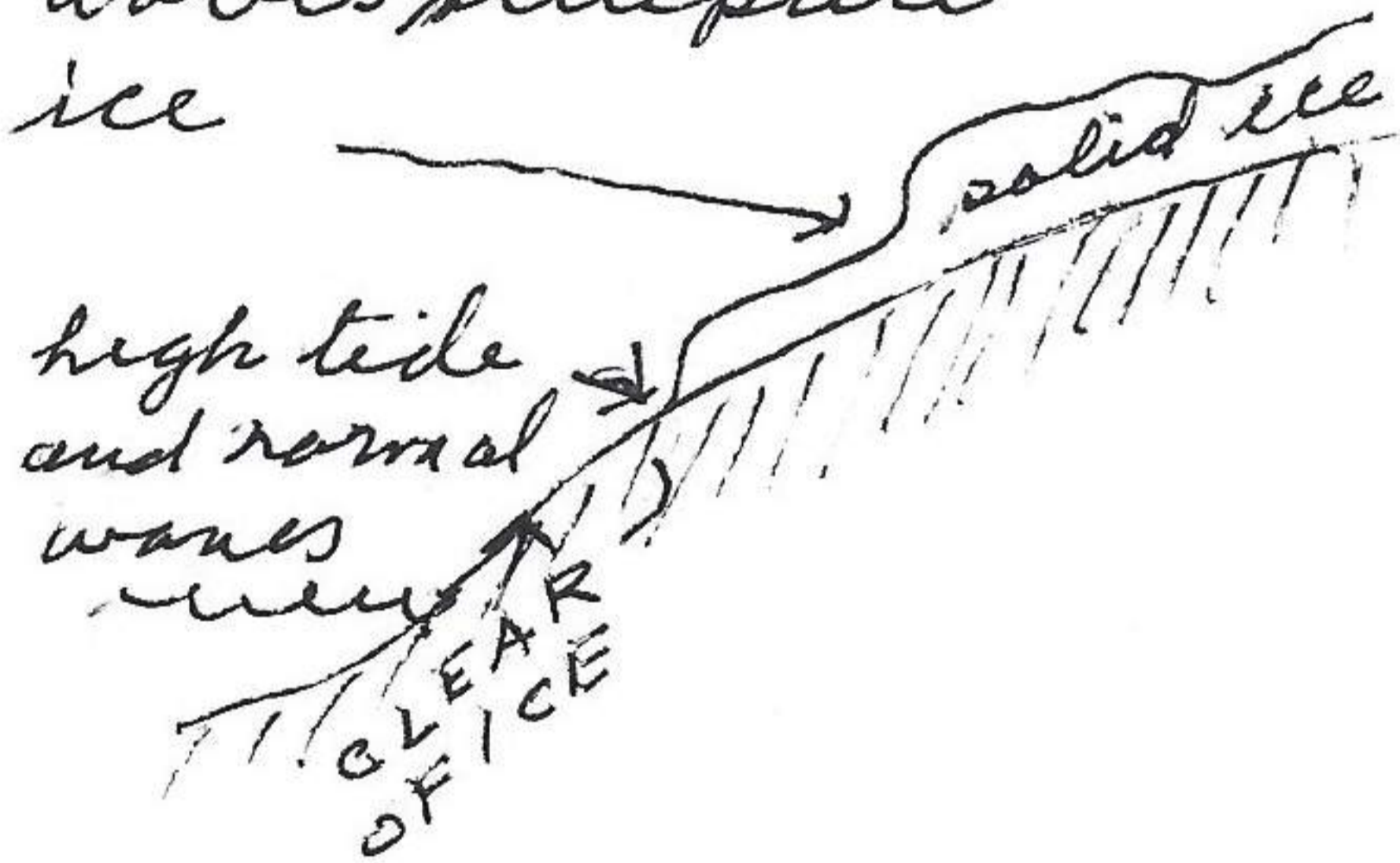
Bee House 50°F, outside 18°F, kitchen 41°F, bedroom 60°F, bathroom 50°F.

R.O. Plummer informs me that after storms from NE, weather clear & warm but is rain and snow on ground, there is severe erosion. On Blakely Island (E of Willow Island) a gully eroded 15' deep, another 5' deep.

1:30 P.M. waves 19 per minute. Waves 2' high, mist or spray blows off white-caps in long trails.

Rope holding boats freeze and break.

waves sculpture
ice



Temp. 22° and warmer than first 2 days preceding, varied through after storm increased from pre-storm 1 per day to 5 per day (5 at one time).

American robins rarely at Bee House but on main island 1 every 200', especially along road. Dark-eyed juncos, and song sparrows are also along road at edge between dry road and snow cover.

3:30 P.M. Low Beach Swifts Bay (just N of Swifts Lagoon outlet onto beach) are 193 mew gulls and 23 glaucous-winged gulls plus 16 ^{American} crows, 6 mallards, 17 American widgeon and 12 northern pintail, all feeding on material brought onto beach by NNE waves. The mew gulls and glaucous-winged gulls feeding over water < waves 5-20' from shore. A small crab (2") was eaten by all birds there, even pintails.

Photo 890203-1 of the mew and glaucous-winged gulls in the surf action feeding profile. (slides). The higher the wind velocity the more birds hover above the waves.

Photo 890203-2 ibid

Counted trees (95%) downed by wind of Feb. 1, 1989 between Swift Bay and Humphrey Lagoon (along road):

54 on E side road (only obvious ones near road). On W side road 216.