

This afternoon Annette and I walked on beach to Kiwanda Cape (at hole in cliff). Photos of braided water - sand channels over sands from water issuing at base of slope.

841104-14 Braided system of black soil and normal beach sands. These ripples of water can be either from open drainages or from water seeping from base of hill. Near here is a spring issuing sands 100' from sidehill.

At Kiwanda Point at hole in the cliff, photo:

841104-15 of spray on rock just N of hole. Harbor seal and surf scaters inhabit these waters in cove N of hole and eastward. Black Turnstone fed or rested on this rock or nearby rocks. 8 Western gulls also fed & rested on rocks in this area.

841104-16 Photo of Annette by mass of foam that covers the beach at certain times of in and outflow of waves. It is a question whether foam accumulates on shore because of wind driving the surf foam inland or whether it is carried in by tidal or surf movement. This foam is also in surf ^{up to} 1/10 mile or more seaward wherever waves are cresting.

At camp noted a Townsend chipmunk resting in a bush 3' from ground. A fox sparrow flew into same bush at it appeared as if the two made ^{bodily} contact for a period of 2-3 seconds as they 'mixed it up'. After the encounter the chipmunk returned to its resting limb and the fox sparrow gained the top of a nearby bush where it remained for about 5 seconds. A Douglas tree squirrel used same area as above.

Today has been unusually warm, full sunshine and practically no wind. Surf shows ^{some} moderation and more regularity.

Pacific City Thousand Trails Preserve, Tillamook Co., Oregon
Nov. 5, 1984

Clear day, min temp 45°F. Surf high crested waves but well spaced and regular. No white caps seaward of surf but swells are distinctly outlined ^{and regular} as far out as one can see.

At 8:30 A.M. approx 250 geese flew S at about 300' high. Black but sp.?

Chipmunks are seen 4-1 over tree squirrels, measured 4 mule deer track (black-tailed subspecies) on preserve as 78-80-51-40 mm

Surf at Pacific City calm except 2 rows breakers near beach,