

Pacific City Thousand Trails Preserve, Tillamook Co., Oregon

Nov. 4, 1984

min temp 50°F, clear sky, no wind, surf regular but large waves.

First western gull at 6:45 A.M.

Census for short period:

6:54 - 7:03 - 15 western gulls. 80% flying 20% sailing

7:08 - 7:12 15 " "

7:20 - 7:25 28 " " singles to group 10-15

Some 5 minute intervals without gulls.

7:45 - 7:50 10 western gulls

7:50 - 7:55 2 "

7:55 - 8:00 6 "

8:00 - 8:05 0 "

8:05 - 8:10 8 (one group) western gulls

8:10 - 8:15 6 western gulls

8:20 - 8:20 3 " "

Red-tailed hawk flew by at 7:00 A.M.

2 fox sparrows, one rufous towhee used same scratch spot. Towhee replaces fox sparrow. *Eutamias townsendi* used scratch spot made by Towhee & fox sparrows.

- Checked beach this A.M. from Thousand Trails Cape NW of Camp. From rocks n on beach to surf cave at S end of beach (Kiwananda)
- 841104-1 near water or surf cave S end beach. note yellow zone beyond rocks
 - 841104-2 western gull flying over foam along beach,
 - 841104-3 western gull feeding on beach at edge of foam
 - 841104-4 floating foam - appear like arctic scene of mt tops above valleys.
 - 841104-5 incoming surf & foam. The greater action of surf the more foam
 - 841104-6 ibid
 - 841104-7 foam pushing up on beach, friction negligible
 - 841104-8 incoming & outgoing foam

a dark brown California sea lion was sitting on S side of Cape on sand periodically covered with ^{incoming} water. One wave dislodged the seal and it tumbled over several times on the seaward return flow. It attempted several times to evade incoming wash of the waves and each time tumbled back seaward. It was seen approximately 2/10 mi. S for the last time.

From camp photos of waves and surf action:

- 841104-9 foam pushing over beach
- 841104-10 ibid
- 841104-11 ibid
- 841104-12 ibid
- 841104-13 foam against rocks