

2 redwings. All redwings so far on entire trip have been males. 702.0 gull. 703.6 4 raven. 703.9 male marsh hawk. 704.1 male marsh hawk. 704.3 exit to 278. 706.2 ridge across a flat valley as if slid off a mountain, now raining over pass. 713.7 out of steep graded canyon and onto flat valley as if a former lake bed. 715.5 crow. 716.2 duck, crow. now up a narrow canyon with ponderosa on right and other type of conifer on left side, nice river present ^{and} at flood stage. 728.4 2 crows, brilliant reddish-orange streaks in formations. exit 248 at 734.1 to Kamela. Cinder like material on snow to assist in melting. 739.2 Umatilla Co. line. 741.9 summit Blue mountains. 4193' elev. Slight rain across mountain. Snow covers 95% ground across this mountain. Exit 228 to Deadman Pass 754.3. Cultivated valleys below are green. Green wheat field to infinity. 767.8 horned lark. 772.0 Pendleton at 4:21 P.M. 2 mourning doves at Pendleton. 774.8 Umatilla River. 777.5 marsh hawk. Grain higher than elsewhere. 796.8 2 redwings ♂. 798.9 redwing and killdeer, also 2 pintail ducks in flight. 800.2 5 ♂ redwings. 806.2 meadowlark. 806.5 Morrow Co. line. Farmers are irrigating wheat field with sprinkling systems. 805.8 duck. more and more irrigation as we approach the river. 816.5 2 magpies, meadowlark. 819.8 Boardman. 819.9 2 crows, 4 gulls. 821.4 crow. 2 crows 822.7 Crow, duck, 10 gulls. 823.2 7 gulls 832.4 gull. 832.6 at 6:12 P.M. end ^{complete} census. May add noteworthy selected observations. ^{all day}

834.6 Gilliam Co. line. 881.3 at 7:28 P.M. at Maryhill State Park for the night. Just E of Maryhill Bridge.

Maryhill State Park, N side Columbia River, Washington.

March 27 1982

min temp 31°F at daybreak gulls moved up river at about 1 per minute. Slight increase in gulls up to 7:30 A.M. Strong winds from NW. later. At daybreak hardly a breeze. Left camp 881.3 at 7:30 A.M. Grass to 5" and most trees ^{and beginning of leaves} in bud. Hillside just turning green. Ring-billed gull, robin, shepard pursue in flower & 1' high. Fruit trees in blossom. 883.8 crow, 2 crows. 884.0 now on highway 97