

Highway 5. Redtail near Tacoma. Continued to Vancouver, thence E up Columbia River. at Skamania noted 2 Steller's jays and some infestation of tent caterpillars. Turkey vulture at Bonneville dam. Crossed over Bridge of the Gods to Oregon side. Dalles at 7123.6. 40 Canadian geese 1 mile E of the Dalles. Continued on to mouth of Deschutes River and camped in State Park just off main road at mileage 7138.6. In the evening Annette and I walked up canyon for about 1 mile. Beautiful river and good trout fishing. noted mourning doves, kingfisher, sparrow hawk, redwing blackbirds. Set 10 traps in sagebrush E of camp on hillside.

Deschutes River. State Park, Oregon.

Aug. 13, 1979

no results from 10 traps set last night in sagebrush. yesterday evening 85 Canada geese alighted in fields on top of plateau E of camp. Birds in area: Great blue heron, killdeer, western sandpiper, Brewers blackbird, crow, redtail, turkey vulture, 2 sparrow hawks, robin, kingfisher, Calif. gull and small sparrows. Continued E up Columbia River. at Arlington a osprey circled the bay then left down river. Continued E and on ridge which is the first one before Blue Mountains noted extreme examples of conifer kill from disease or climatic changes. The usual pattern was areas of completely dead trees against stands of healthy stands with mixing of dead and live individual trees. There were not many examples of trees that were partly green or partly dead. This condition continued across the width of this ridge or mountain. Continued S along 780 and at Mountain Home turned S on road that led ^{18 mi.} to Burreau ^{Dunes} State Park. mileage at park 7543.4 Camped in regular camping area. Drove over to main sand dune and took a photo of ripple marks on lee side of dune. Photo 790813-1. Set 20 traps in sagebrush and bitterbush in sandy soils just ^{200'} N of camp. The dunes are unique in several respects, one that they are 470 feet high which is much higher than most dunes and that they are being formed in a amphitheater that is protected from wind on 3 sides, W, S and E. They have formed in an ^{old} meander of the snake river created some 30,000 years ago during the Pleistocene. Its position may account for its height. The source of wind and sand seems to be from the west. The largest dune is stellate as are some of the smaller ones. Barchan and parabolic ^{wind} are also represented. There are also transverse and longitudinal dunes