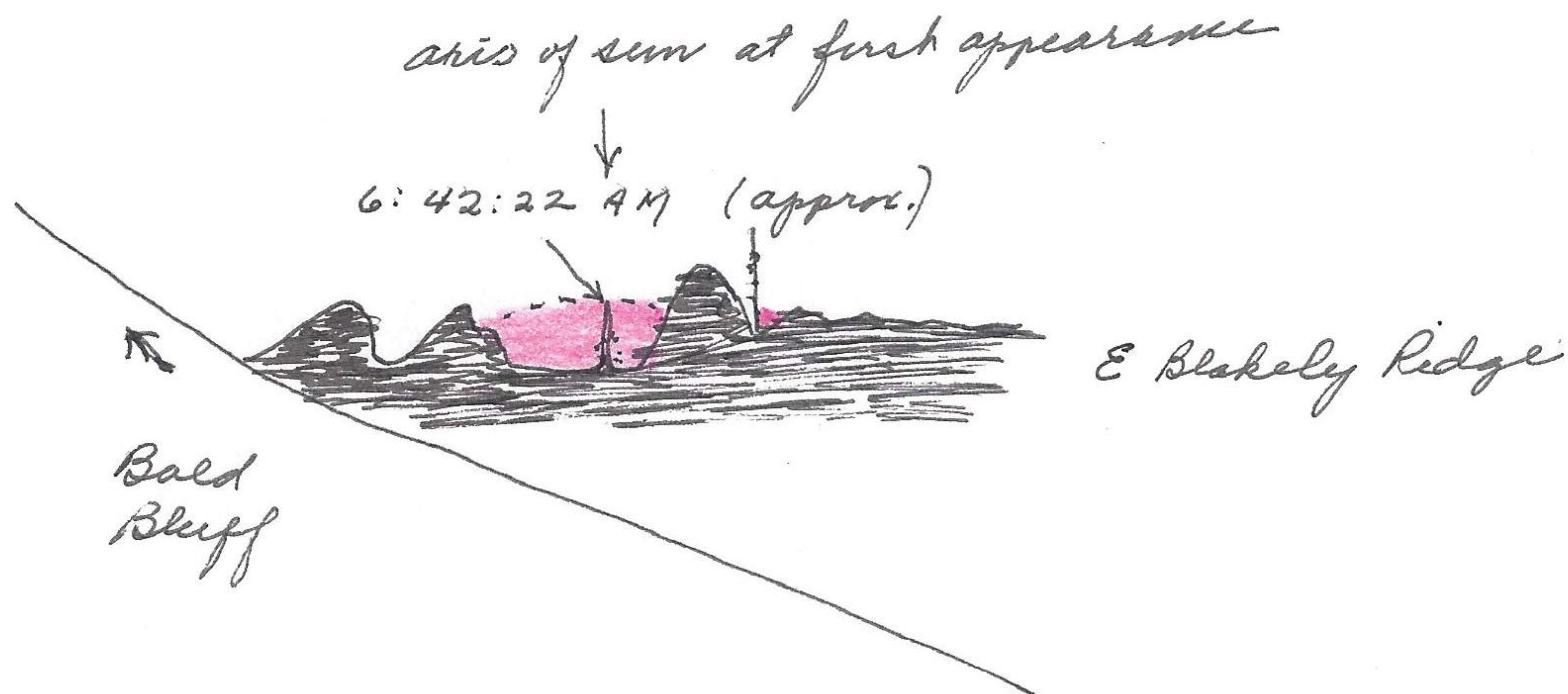


at Shark Reef on reef N of Deadmans Island: 8 harbor seal on rocks of reef, 5 black oystercatchers, 6 glaucous-winged gull. Along trail thru forest only 1 bird, a dark-eyed junco (Oregon race).

March 12, 1988

Recorded approx. time of sunrise as arrangement of clouds hindered exact moment sun reach top of trees. As intense golden-white light on trees just before sun appeared.



To Friday Harbor via Wasp Passage. Left Lopez 9:56 A.M. at docks 5 adults and 11 imm. glaucous-winged gulls; also 5 pelagic cormorant. Enroute 1 double-crested cormorant, glaucous-winged gull, 3 glaucous-winged gulls, 2 glaucous-winged gulls, cormorant. Shaw Island, 1 red-necked grebe, 4 pelagic cormorant and 7 glaucous-winged gulls. Enroute to Orcas Island, 4 pelagic cormorant, 1 common loon, 1 common murre, 1 Heermann's gull, 11 glaucous-winged gulls (8 imm, 3 adult), 2 American crows, 1 kingfisher. Left Orcas to Wasp Channel, double-crested cormorant. Bell Island 18 mew gulls on shell kelp, 2 pelagic cormorant, 2 pelagic cormorant. Crane Island, 1 pelagic cormorant, 2 glaucous-winged gulls, 1 pelagic cormorant, 1 glaucous-winged gull. Went Crane Island, ♀ and young mule deer at edge of trees above shoreline, 12 common murrelets, 1 double-crested cormorant. Cliff Island (light 3), glaucous-winged gull, pigeon guillemot, 5 great blue heron in trees on S side island. Yellow Island (light no. 1) 2 pelagic cormorants, 2 glaucous-winged gulls, 1 double-crested cormorant, 1 red-necked grebe, 1 glaucous-winged gull, 2 mew gulls, 1 glaucous-winged gull, 1 Cassin's