

At Seal Rocks took the following photos: 820506-1 secondary reef to north. Two pigeon guillemots favored this area. Photo 820506-2 rock shaped like a seal, to N. Photo 820506-3 Annette on edge abrupt drop with a seal shaped rock in background. Photo 820506-4 same rock & reef as above to N. Calif. sea lion and harbor seal on some of these rocks. Photo 820506-5 general view with some spray action. Continued S on 101. 671.4 just S of Cape Perpetua. 677.9 in area of short-needle pine, thick and heavily wind blown and does not seem to be represented farther N. 680.4 Sea Lion Cove. Visited the cove. ^{5:30 PM to 7:00 PM} On rock shelf on W side photo 820506-6 of sea lions and Bards cormorant. Photo 820506-7 ibid. Photo 820506-8 to N showing bay and light house. Scottish broom in blossom. At cove there were both the Calif. sea lion and northern sea lion. This area supports approx 300 northern sea lions and they are holding and increasing. Calif sea lion more active than northern sea lion when in resting position. High waves (seasonal) displace marine animals from cove and some waves reach observation point in cove. This occurred in winter of 1964. In the cove there is a light band on wall of ash layered in basalt. ♂ northern sea lion inspect posterior of ♀ and then they have mouth to mouth contact. main calls are barks from Calif sea lions whereas N sea lions roars and then only occasionally. The call of the Calif sea lion can be heard from far away (2/10 - 3/10 mile). When northern sea lions return from fishing or feeding they sit high with head thrust back and they continue this behaviorism for 2 or 3 hours before lying down ^{and immobile} prone for resting and sleeping. This behaviorism may be associated with digestion. To distinguish the two sea lions (Northern & Calif), are:

1. Northern sea lion larger in males, females in both species are smaller by 2 feet. Small ♀ northern is as large as a male Calif sea lion.
2. Calif has black pelage in and out of water. Northern sea lion is tan, except old individuals which turn whitish and when on their backs (northern) when dark bellies give the animal the appearance of being dark like the Calif. sea lion.
3. Rostrum of northern is longer except in old animals and the forehead has gentle slope rather than abrupt and higher as in