

Top of quarry and include 20 Douglas fir, 4 madrona. Largest Douglas fir 16" diameter, smallest 1". Some madrona at least 14" diameter. Another road leads into property N of the quarry property and is defacing some of the most unique rock & cliff exposures on Humphrey Head. A road engineer should not be entrusted to elevation and planning of clearings and roadways. All areas on W side of Humphrey Head should have been set aside for natural areas.

The large tree blown down by Feb 1 storm at spring and garden plot on Humphrey Head is a Grand fir. This tree and all others blown down should be left for natural diversity except those blocking roadways or damaging home sites.

On entire trip along W trail to N end Humphrey Head and return by road observed only 2 American robins and 6 dark-eyed juncos (Oregon subsp.). Also 1 dead varied thrush and another varied thrush partly eaten, at Bee House ♂ & ♀ golden-crowned Kinglet.

Feb. 14, 1989

In front of Bee House a group of ochre and purple sea stars, *Pisaster ochraceus* have inhabited on specific area of tidal area most of winter. They change position among the cluster but the cluster remains in the same area.

 main wave surge but movement is also reversed.

stars
(side view)
tidal & current movement

stars
areal view



3:10 P.M. 3 harbor seal and no cormorants on Leo Reef.

Feb. 14, 1989 (cont)

Left Lopez Island at 9:29 A.M. for Sidney, Vancouver Island. Day clear, frost and ice on road. Temp. 32°F. Will make complete census according to locality and time:

9:30 A.M. 2 red-breasted mergansers, cormorant (sp.), 4 glaucous-winged gulls.