

double-crested cormorants. They have been resting on this reef since first exposed on ebb and are now just leaving the island as flow waters crowd them off the resting area. They move out 1 to 200 feet and feed rather than leave all at once at a predetermined time. The gradual ^{scheduled} elimination of resting areas by flow water may govern the feeding activity of cormorants.

at 4:50 there was just enough emergent reef for 6 cormorant.

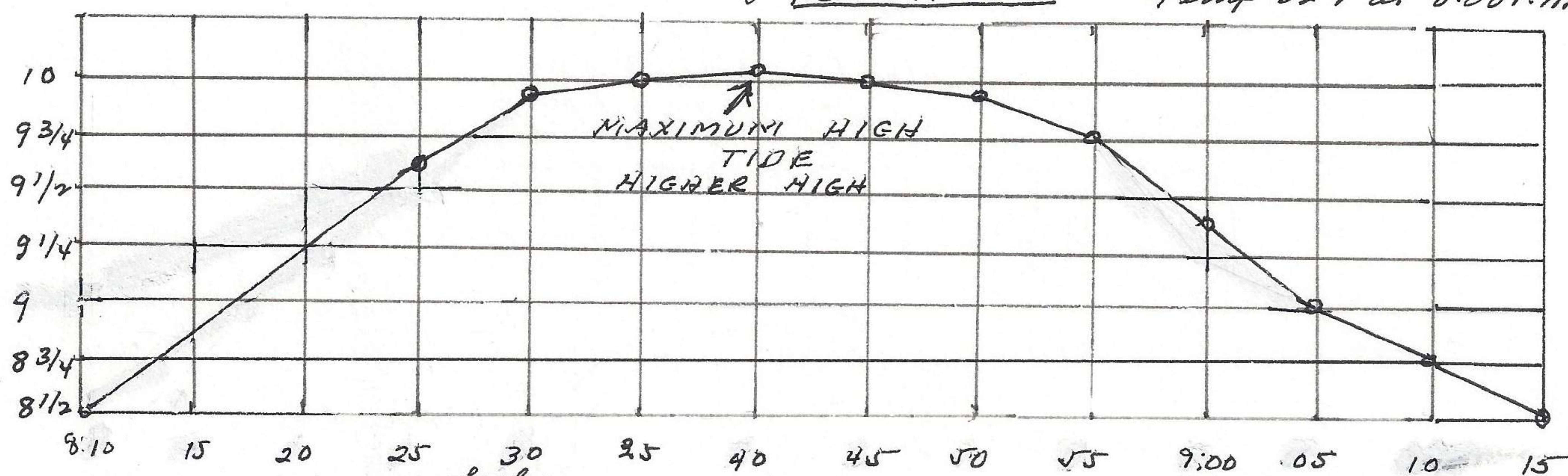
at 5:10 sun just setting over Hope Island, (last ray as the sun disappeared behind Island, Cormorants (6) still on reef which has already submerged but still available for contact.

at 5:12 the 6 cormorants left by being forced by rising flow.

4:13 Rock W of Heron Lock just submerged.

Feb. 14, 1986

Temp 32°F at 8:00 P.M.



Graph of high tide this A.M. at site 164 LaConner Preserve. maximum high tide at 8:40 A.M. Seattle reference is 8:19 A.M. or +21 for LaConner Preserve. Subordinate station Yokeko is +26 and LaConner Channel is +27. so Yokeko nearer the time for LaConner Preserve but still +5 minute difference. Current set to W. The correction of higher high tide for LaConner Preserve is +21. The correction of higher low tide is +34, both from Seattle station.

At one moment the following birds were on the picnic table feeder:
at side of Barth

2 ♂ 9 ♀ purple finch - 16 ♀ 3 ♂

6 dark-eyed juncos - 13

2 rufous-sided towhees 3

1 song sparrow 3

Greatest number in area → (1)

The Bewick wren, chestnut-backed chickadee⁽⁸⁾ & bushtit⁽¹²⁾ have been observed in nearly willow trees in catkins.

Occasionally 1 brown creeper, 1 red-breasted nuthatch, 1 rarely red-shafted flicker, robin.

2 rufous-sided towhees contacted and flew straight up for 12'

Two red-breasted mergansers ♂ & ♀ swam together for 120'. The male with partly expanded tail and 40° angle, head feathers extended; the female with upright tail 45° angle, neck curved or angled forward with bill touching water. 