

12:45 bald eagle left eagle tree on SE Point of Hope Island.

Bufflehead submerged: 23 sec, 26 sec.

black oystercatchers beat wings below horizontal plane.

1:25 logs still moving E at 1 per 1/10 mi.

1:35 5 Barrow's goldeneye swam from channel side of "Heron Rock" to Heron Rock in straight line course. They all made 3 dives to feed on the sides of the rock and then left.

1:40 a Barrow's goldeneye swam to "Heron Rock" and inspected to of rock but did not dive.

2:10 "Heron Rock just covered by flow tide. The rock was exposed 8 inches during low tide. Currents are E (middle channel), W (shore area) with definite current line between. Logs still going E at approx. 1 per 1/10 mile.

2:15 currents now just moving E along shore, whereas currents in middle channel moving E about 1/2 MPH, or less contact of opposing current less visible.

2:25 Kingfisher to W.

2:30 current contact still visible & current middle channel to E.

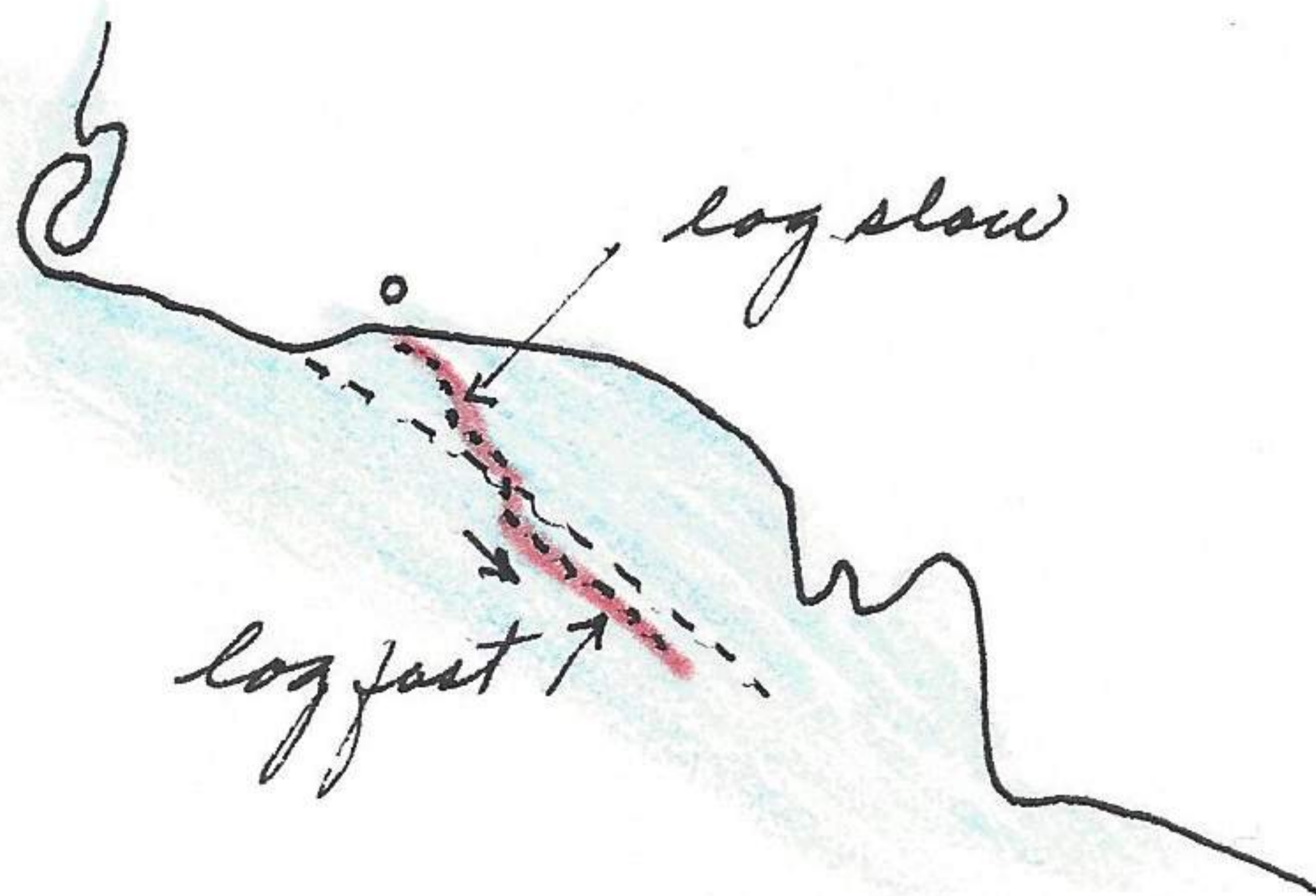
2:46 4 Barrow goldeneye together. males perform: when male-female paired the male does not perform.



8 dunlin

3:00 shore current very slow, center current to E and fairly good current.

3:15



lumb in water at camp & traversed the following currents from W to E. After entering main flow travelled rapidly E.

3:55 Current contact indistinct weather front has been moving in today and cloud bank is on sight over top Hope Island.

3:56 Immature bald eagle flew W up channel at approx 150' high.

4:00 Contact zone between shore current and main channel current variable from indistinct to distinct.