

4:25 P.M. S end Bird Island between our boat and Herbert Glacier,  
 4:28 first small clouds to E over range. 4:32 P.M. marbled  
 murrelet, S end Bird Island. 4:34 P.M. marbled murrelet, 4:57  
 opposite tree line at S end Sentinel Island. 5:08 P.M. Knife and  
 black ridges eroded on shoreline to E. Temp 76°F. 5:26 Vander-  
 belt Reef to W. 5:37 P.M. 2 Hare porpoise approx. 200' to W. surfaced  
 3 times then remained under water. 5:40 P.M. 2 glaucous-winged  
 gulls, 17 mew gulls on a floating log. 6:22 Point Bridget. Reduced  
 speed to 11 RPM as we approached Echo Cove. Continued to cascade on  
 E shore thence S to narrow channel into Echo Cove. Here our motor  
 stopped in the middle of the channel. Rocks on port and shallow  
 water to starboard. Set anchor among rocks to keep boat from moving  
 port. In 30 minutes motor turned over and we continued S into  
 Echo Cove. This channel had salmon that were jumping at a rate  
 of 1 per every 10 seconds. They had collected on the ocean side of the  
 channel. An adult bald eagle flew across the channel. At S end  
 of Echo Cove were 8 marbled murrelets. A road had been built  
 from Juneau to here and the Cove had suffered from overpopulation  
 of tourists and fishermen. There were at least 40 cars and trucks.  
 Cars used the beach for car traffic. 3 or 4 well established car  
 tracks made race courses. Off road balloon tired vehicles sped  
 over most of the beach area and shallow waters etc. The auto-  
 mobile had been the downfall of natural places.

Echo Cove, Berners Bay, Lynn Canal, Alaska.

July 22, 1990

Left 5:07 A.M. for Skagway. 3 adult bald eagles in area. at  
 entrance of channel entering Echo Cove salmon jumping 3 or 4 at a  
 time. 5:38 2 marbled murrelets, 5:40 A.M. adult bald eagle, 5:50 A.M.  
 2 marbled murrelets and 27 surf scoters. 5:57 2 marbled murrelets.  
 5:59 A.M. 45 marbled murrelets generally distributed at mouth of Berners  
 Bay. 6:02 A.M. Point St. Mary. 2 mew gulls flying N, 4 mew gulls  
 flying N. 6:30 A.M. mew gull. 6:35 mew gull <sup>to port</sup>. 7:07 A.M. mew gull. 7:25 A.M.  
 Sherman Point. 8:35 Eldred Rock, and light house (8 mi in 1 hr, 7 min  
 or 8.3 mi. per hour), marbled murrelet, magnificent range arising  
 abruptly from water edge to snow and cirque heights. A <sup>ad.</sup> bald eagle  
 perched top light house. Practically all light houses are now  
 automatical operated. Why not remodel these light house and ancillary  
 buildings and rent to the public as a source of income for operating  
 marine navigation? 8:57 A.M. marbled murrelet. 9:11 A.M. Can now  
 see Davidson Glacier W side Lynn Canal. From this angle it appears