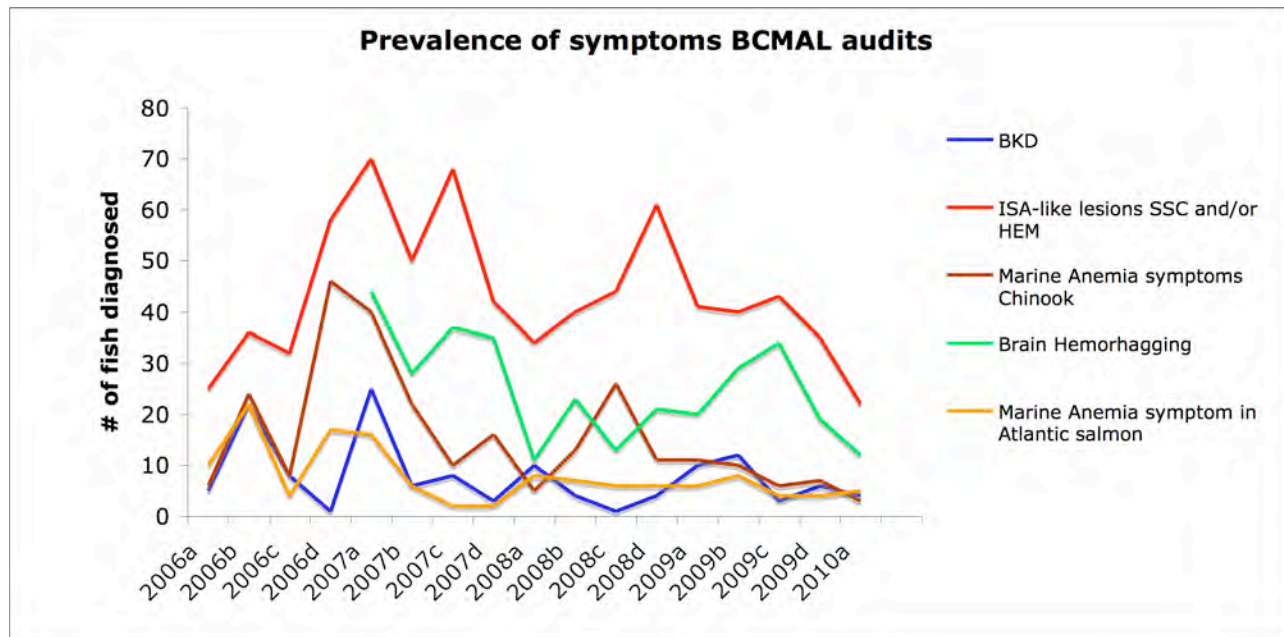
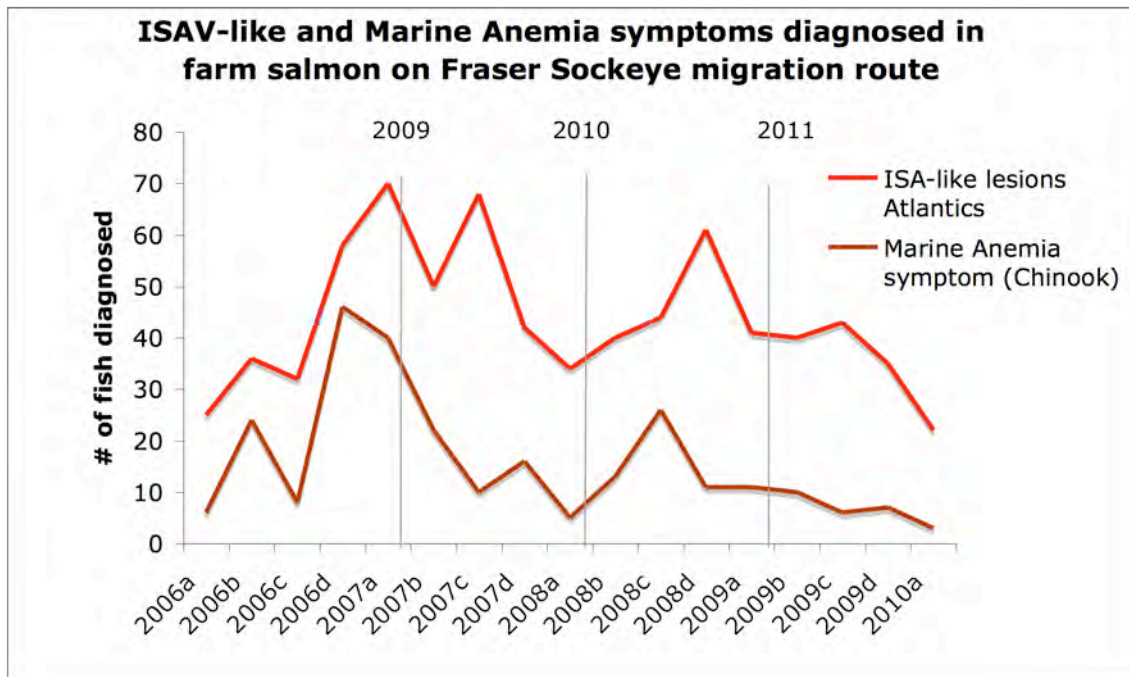


Graphs of BCMAL Audit data (BCP002864)  
Region 3 only (excludes west coast Vancouver Island)



Note: Dr. Marty gave lesions a severity rating (1,2 or3). For this graph no distinction was made between 1-3, all levels of severity were give the value of 1 occurrence.



This graph is a subset of the same data. Of note, is the interplay of Marine Anemia symptoms and the ISAV-like lesions. Marine Anemia is a recognized immunosuppressive disease. A spike in ISAV-like lesions follows a spike in Marine Anemia symptoms in 2006, 2007 and 2008. The ISAV-like lesions are in Atlantic salmon, Marine Anemia in farmed Chinook. The Atlantics also have interstitial hyperplasia of the caudal kidney distinctive of Marine Anemia, though there is no record of confirmation of the disease. In areas of high salmon farm density, such as the Discovery Islands, salmon farm –origin pathogens were co-occurring and the Fraser sockeye were thus exposed to suites of potentially novel and amplified pathogens.

The lines under “2009, 2010, 2011” mark where the Fraser sockeye that returned in those years passed these salmon farms as smolts.