

Completed April 2006

EEA Number	Indicator	Monitoring Task	Justification	Duration	Data Analysis	Management Decision
EEA 5	Contaminants	In conjunction with above contaminant study, assess sublethal effects of contaminants (e.g., growth, disease resistant) on salmonids.	Provide additional data for established contaminants thresholds effect levels to ensure that guidelines are protective of salmonids; to better characterize performance of juvenile salmonids in the estuary.	Begin before construction during and up to 3 years after construction, depending on the results.	Record health status of juvenile salmonids collected above.	Determine if task should continue and what funding source is appropriate.

Description: The fish collected in ERA-4 will also be analyzed for health effects by being exposed to contaminants. AHH activity, plasma chemistry and immune response will be evaluated. Otoliths and fin clips will be analyzed for growth and genetic factors.

Schedule: The fish were collected in 2002 and are being analyzed in 2003.

Progress:

April 5, 2004: Preliminary results presented at the November 3, 2003 meeting of the Interagency Contaminants Review Team. Still awaiting genetic results from NOAA Fisheries before study can be completed. Results anticipated in 2004.

November 1, 2005: Draft report sent to Mark Siipola from Science Center. Comments were provided to NOAA on draft report in December 2005.

April 2006: Reported completed by NMFS. Report is on E2 FTP site for AMT review.