

San Juan County Data and Research Gaps

The following list is prioritized and compiled as part of the 3 year plan for information gaps important to managing and restoring marine habitat important to salmonids in San Juan County. This list was compiled in 2006 and prioritized in 2007. Completed analysis papers as of February 2008 include numbers 1, 2, 3 and 6 and number 17 is a map to date of current information, however ongoing studies will add to this product in the next two years.

San Juan County GAPS/WHITE PAPERS

- 1- Evaluate IOSA data- white paper on responsive measures for San Juan County based on oil spill patterns and collaboration with response team.
- 2- Evaluate incidence and types of oil spills – white paper/map book on sensitive areas at risk from oil spills and areas most likely to be affected.
- 3- Evaluate affects of power turbines – white paper reviewing habitat issues for wave and current turbines proposed for the county.
- 4- Mariculture – White paper on affects of net pens on nearshore environments and position paper for the county.
- 5- Reverse osmosis - White paper on issues surrounding the permitting of reverse osmosis systems
- 6- Riparian/tidal marsh habitats – White paper/map book of these habitats in the county
- 7- Marina point/non-point source pollution – White paper on issues facing marinas and the county
- 8- Septics survey – Identify failing septic systems and work with the Department of Health to survey and map vulnerable areas.
- 9- Storm water structure inspections – Address impacts of erosion, pollution and nearshore habitat impacts as affected by storm water.
- 10- Storm water – Review water quality data for the county and overlay impacts from storm water inputs.
- 11- Watershed conservation easements – synthesize information on critical areas in the watershed to target for easements/protection
- 12- Standardize monitoring methods – Review methods for monitoring between agencies and produce white paper.
- 13- Climate/ocean/species interactions – Review WRIA 2 specific scenarios for climate change and potential affects on species.
- 14- Sea level rise – map book on various scenarios for predicted sea level rise in the county.
- 15- Hydrodynamics – map book on currents and eddies that affect plankton distribution and fate of surface pollutants.
- 16- Adult salmon pathways – map book on adult salmon migration corridors and relationship to kelp beds.
- 17- Juvenile salmon pathways – map book of juvenile salmon marine areas where they are concentrated.