

## **Narrative for WRIA 2 / San Juan County Salmon Recovery 3 Year Work Program: 2011 Update**

*Adaptive Management continues to be the overarching theme for San Juan County's salmon recovery work.*

A brief background is provided here to provide the context for the questions being asked for this work plan update.

### **San Juan County / WRIA2 Goals and Priorities for Salmon Recovery - Interim Strategy**

Over the last few years, WRIA2 has concentrated on performing assessments necessary to fill critical data gaps to document the important habitats in the San Juans and to have a better understanding of how, when and where salmon are utilizing San Juan County's shorelines, fresh and marine waters. This is the highest priority action(s) identified in the San Juan County Salmon Recovery Chapter:

“The key goal in San Juan County is to identify critical habitats and ecosystem interactions in order to develop protection and restoration actions that will be most effective in moving populations of Puget Sound Chinook towards recovery. In San Juan County (WRIA2) protection of high quality nearshore marine habitat is the top salmon recovery goal. The current prioritized action strategy to meet the protection goal is:

1. Assessment Projects – fulfilling critical data gaps via assessments which will enhance and support protection and identify needs and opportunities for restoration;
2. Protection Projects – includes data sharing, stewardship, acquisition and easements, incentives and education;
3. Restoration Projects – to be based on habitat condition assessments.”

Since multiple assessments have now been completed, WRIA2 is now working to bring the various assessments and data sets together and to analyze and use the assessment information to prioritize protection and restoration actions for San Juan County. This work is in progress now through the “Pulling It All Together” (PIAT) project. The results of the analysis will then be incorporated to update the local work plan. The development of a restoration and protection plan will create a common understanding of priorities and direct efforts toward local projects that are critical to the recovery of salmon.

Thus the actions as stated above from the recovery plan would now be prioritized in this manner:

1. Protection Projects – includes acquisition and easements informed by the “Pulling It All Together” project, data sharing, stewardship, incentives and education;
2. Restoration Projects – based on habitat assessments and “Pulling It All Together” project analysis;
3. Assessment Projects – includes monitoring, filling data gaps, and conducting research that will in turn support protection and restoration efforts.

### **Interim Strategy**

The “Pulling It All Together” project is still in progress so an interim strategy is being documented to provide guidance for this current grant round to be used until the PIAT project has been completed and the results have been used to update the local work plan.

What we know now and can document is that the current approach being pursued via the PIAT project is an emphasis on areas used by fish in the San Juans:

- Juvenile Chinook
- Juvenile Forage Fish
- Spawning Forage Fish

The next steps for the PIAT project will be to analyze conditions of nearshore areas in the San Juans to identify protection and restoration areas for the Broad Scale Analysis which is to be completed approximately May 2011. These results will further be refined via the Fine Scale Analysis most likely using Ecological Communities (Habitat Structure). The Fine Scale Analysis is scheduled to be complete Fall 2011. The freshwater components will be incorporated in the Fine Scale Analysis.

For the 2011 grant round, we will use the same emphasis on fish use areas that the PIAT project is pursuing as the interim strategy.

Adaptive management discussions have been occurring since January 2009 with the local salmon TAG, the Marine Resources Committee (CAG) Salmon Subcommittee, the Puget Sound Partnership staff, and the RITT. The original adaptive management matrix provided by the RITT in 2009 was instrumental in the first adaptive management discussions and helped highlight that San Juan County has achieved a majority of the original recovery chapter goals and actions.

The local salmon groups have continued these adaptive management conversations and will work with the PS Partnership staff and the RITT to continue the formal adaptive management and monitoring (AM&M) process. The AM&M process has not provided any information as yet to inform updates for 2011 but we are hopeful that with the results of the AM&M process along with the development of a modeling framework to prioritize and sequence protection and restoration actions, WRIA2 will be poised for changes to the work plan for 2012.

As of early 2011, the local Adaptive Management and Monitoring (AMM) process has completed a tailored version of the Puget Sound regional template for the San Juans. The additional steps are on hold for now. The AMM work will proceed when the results of the Pulling It All Together (PIAT) project is further along. The PIAT project is synthesizing, analyzing, and displaying key data layers that will lead to identifying and prioritizing protection and restoration actions that benefit salmon recovery. The PIAT project will provide much of the data and process that will be necessary to continue the next steps in the AMM work. It is estimated that the AMM work will start up again when the PIAT project is complete which is estimated to be Fall 2011.

This context is helpful background information to provide as we respond to the questions being asked for this work plan update:

*Consistency Question*

- 1. What are the actions and/or suites of actions needed for the next three years to implement your salmon recovery chapter as part of the regional recovery effort?**

The 3 year work plan spreadsheet with the list of project and programmatic actions is included with this narrative. A brief summary of the work plan is also provided in this narrative.

*Pace/Status Question*

- 2. What is the status of actions underway per your recovery plan chapter? Is this on pace with the goals of your recovery plan?**

As noted previously, the original adaptive management guidance and matrix provided by the RITT in 2009 helped document the status of the strategies and actions outlined in the WRIA2 recovery chapter. Most of the actions outlined in the chapter have been completed.

The WRIA2 salmon recovery chapter does not have a timeline for actions so the pace had not been established in the plan, however, since WRIA2 has completed many actions listed in the chapter we may be ready to update the local San Juan County chapter.

**3. What is the general status of implementation towards your habitat restoration, habitat protection, harvest management, and hatchery management goals? Progress can be tracked in terms of ‘not started, little progress, some progress, or complete’ or in more detail if you choose.**

The primary goals of the local chapter are to fill critical data gaps, document the important habitats in the San Juans, and to have a better understanding of how, when and where salmon are utilizing San Juan County’s shorelines, fresh and marine waters. Now that these data gaps identified in the chapter are complete, we are in the process of analyzing and using the information via the “*Pulling It All Together*” project for prioritization of key actions for protection and restoration. As noted, many original actions are completed; however some actions are more programmatic and will be ongoing.

*Sequence/Timing*

**4. What are the top implementation priorities in your recovery plan in terms of specific actions or theme/suites of actions? How are these top priorities being sequenced in the next three years? What do you need to be successful in implementing these priorities?**

The top priorities, as previously noted, in the WRIA2 plan are protection actions and assessments to fill critical data gaps, to document the important habitats in the San Juans, and to have a better understanding of how, when and where salmon are utilizing San Juan County’s shorelines, fresh and marine waters. Now that these data gaps identified in the chapter are complete, we are analyzing and using the information for prioritization of key actions for protection and restoration. The results of the “Big Picture” project completed this year provide us with information regarding fish utilization of the San Juans. The “*Big Picture*” project results along with the other completed assessments are providing critical data for the development of a modeling framework to prioritize and sequence protection and restoration actions via the “*Pulling It All Together*” project.

In the interim, we have been using previous assessments to lead to restoration projects. The *Nearshore Impact Assessment* and the *Soft Shore Protection Blueprint for San Juan County Forage Fish Beaches* identified a number of restoration projects in the county and have led to some of these projects being funded and completed.

Assessments have also been used for protection efforts, such as being used in the CAO Update i.e. the eelgrass, kelp, feeder bluffs, and forage fish spawning beach maps. These and additional assessments such as the shoreline modification inventory will feed into the SMP Update which began in 2010 and is scheduled for completion in 2012.

### *Next Big Challenge*

**5. Do these top priorities reflect a change in any way from the previous three-year work program? Have there been any significant changes in the strategy or approach for salmon recovery in your watershed? If so, how & why?**

Yes, since multiple assessments have now been completed, WRIA2 is now working to bring the various assessments and data sets together and to analyze and use the assessment information to prioritize protection and restoration actions for San Juan County. This work is in progress now through the “Pulling It All Together” (PIAT) project. The results of the analysis will then be incorporated to update the local work plan. The development of a restoration and protection plan will create a common understanding of priorities and direct efforts toward local projects that are critical to the recovery of salmon.

Thus the actions as stated from the recovery plan would now be prioritized in this manner:

1. Protection Projects – includes acquisition and easements informed by the “Pulling It All Together” project, data sharing, stewardship, incentives and education;
2. Restoration Projects – based on habitat assessments and “Pulling It All Together” project analysis;
3. Assessment Projects – includes monitoring, filling data gaps, and conducting research that will in turn support protection and restoration efforts.

**6. What is the status or trends of habitat and salmon populations in your watershed?**

Our focus has been on obtaining a fundamental understanding of the role of the nearshore and specifically, the role of the San Juans in supporting salmon – their habitats and food web. Thus, we essentially have baseline data now for critical habitats such as extent of eelgrass, kelp, documented forage fish beaches, etc. We also have information indicating which nearshore habitats appear to be of greatest value to juvenile migrating salmon.

Through the formal AM&M process we will be evaluating what it is we should be monitoring, for example do we repeat the baseline habitat assessments every x years to determine the trends of whether we are gaining or losing these habitats? Do we repeat the juvenile fish utilization study in x years to determine change analysis of the resource(s) in the San Juans? Discussions with the Marine Resources Committee (MRC) will continue in the context of their Marine Stewardship Area (MSA) Monitoring Plan regarding what other things should be monitored in our nearshore environment, i.e. water quality, additional species presence and/or abundance, threats, other habitat trends, etc?

**7. Are there new challenges associated with implementing salmon recovery actions that need additional support? If so, what are they?**

- ⌚ Consistent funding for the local LE Program continues to be at risk as the County has not been providing any funding since 2009 and due to budget constraints is not likely to be willing to contribute any funding anytime in the foreseeable future. The proposed funding for the LE Program in the San Juans via RCO and PSAR Capacity funding could be over 50% less than previous funding levels. This will impact the local LE Program as the funding primarily supports the 1.0 FTE to run the program. The first budget cut for the LE Program has been to eliminate any future support for the Outreach & Education Coordinator shared with the Marine Resources Committee.

- ⌚ The results of the San Juan Initiative highlighted the need for basic County infrastructure without which there is little support for existing and future regulatory protections. The needs identified via the San Juan Initiative were:
  - Regulatory compliance and enforcement,
  - Technical assistance for landowners.
 This issue has been exacerbated further over the last few years as San Juan County's budget deficit continues reducing planners, permit coordinators, and enforcement staff.
- ⌚ Additionally, state natural resource agencies such as DNR, ECY and WDFW continue to have significant staff and resource reductions, thus incurring additional losses for local monitoring, survey work and support for local jurisdictions.
- ⌚ Guidance and support for monitoring - It took us a decade to cobble together the funding to get to our current "baseline" assessments. Based on our past experience, there doesn't appear to be any support to continue funding assessments and certainly even less interest in funding monitoring.

### **Work Plan**

Previously, since WRIA2 never had a place to track projects, the 3 year work plan spreadsheet by default became the place to document known projects. Thus the previous spreadsheet(s) documented all identified projects and programs necessary for salmon recovery. With the implementation of the Habitat Work Schedule (HWS) the 3 year work plan spreadsheet is a more accurate representation of what projects are currently in progress, can be started in the next 3 years, or can be completed over the 3 year period. Additionally some projects which are really programs are ongoing and thus would extend beyond the 3 year timeframe.

In addition to the salmon recovery habitat projects, we have chosen to also populate the HWS with programmatic efforts. Thus, we are populating the Habitat Work Schedule (HWS) with all salmon recovery activities in San Juan County.

### *Prioritization*

Projects in the 3 year plan are prioritized based on Tiers. None of the projects in the plan at this time are prioritized beyond the overall tiers.

- ⌚ Tier I projects are projects which address the highest priority work such as protection actions or for previous or in-progress assessment projects.
- ⌚ Tier II projects are restoration projects. It is anticipated that Tier II restoration projects would become higher priority if/when they are supported by, or are the result of, assessment results that support the restoration activity.

With the development of a modeling framework this year to prioritize and sequence protection and restoration actions we expect that habitat type and spatial prioritization will become more likely.

### *Overview*

The issues facing WRIA 2 are those of protecting quality habitat and restoring modified or degraded habitat. Much of the 408 miles of shoreline is high quality but pressure from development is impacting nearshore areas and water quality. San Juan County is experiencing some of the most rapid growth in Washington State with shoreline and nearshore habitats becoming increasingly stressed from residential and urban development and recreational / tourism uses. Past agricultural practices and water withdrawals have degraded the limited freshwater spawning and rearing habitats in the islands. Freshwater quantity issues exist due to diversions from historic watersheds, changing the flow into streams that historically had salmon runs. Fish barriers from roads, bridges and culverts exist. Water quality is affected by failing septic systems, wastewater effluent and contaminants. Inputs of water and air pollution from outside of the County may also be affecting nearshore habitat quality. Marine waters are impacted by point and non-point pollution at fuel docks and marinas, stormwater runoff, and from potential oil spills.

Once critical habitats have been identified for salmon and their prey, protection and restoration of these habitats become a priority. Additionally, as water quality and quantity issues are better documented and understood protection from these impacts become of interest to the community and are also important to address.

### **Capital Projects**

San Juan County has over 400 miles of shoreline to evaluate in light of habitat for salmon and their prey. Restoration projects are supported based on the results of previous assessment work such as the *Nearshore Impact Assessment* and the *Soft Shore Protection Blueprint for San Juan County Forage Fish Beaches* and due to previously funded feasibility studies such as for Deer Harbor, Thatcher Bay, False Bay and Garrison Creek. These projects will increase habitat quality for salmon and their prey.

The acquisitions in the work plan would permanently protect significant shoreline areas throughout the islands. The Cascade Creek acquisition protects a significant portion of the only remaining unprotected sections of Cascade Creek along with adjacent tidelands. Cascade Creek is one of the very few year round fresh water streams in the San Juans.

### **Non-Capital Projects**

The work plan highlights a number of protection actions that are the primary focus of salmon recovery work in the San Juans. Over the last few years, WRIA2 has concentrated on performing assessments necessary to fill critical data gaps to document the important habitats in the San Juans and to have a better understanding of how, when and where salmon are utilizing San Juan County's shorelines, fresh and marine waters. WRIA2 has now reached the point where these important assessments have been completed. San Juan County is now in the process of bringing the various assessments and data sets together to analyze the assessment information to create a tool for prioritizing protection and restoration actions for San Juan County via the "*Pulling It All Together*" project.

Protection actions are much more than just acquisitions or conservation easements and include all of the work necessary to educate the public on why salmon are critical and necessary resources for humans and other species, what issues are occurring in our natural environment, and information regarding how to manage and steward natural resources. This is being carried out via a number of Education and Outreach programmatic activities working with a number of local organizations.

Protection is also ensuring that regulatory and voluntary actions are effective and require working with local organizations including San Juan County government to highlight existing voluntary incentive protection programs, working to create new incentive programs, implementing protective regulations via the CAO Update and the SMP Update, and implementing County code which supports LID techniques and projects.

The Lead Entity Coordinator has actively participated in the CAO Update Committee meetings throughout the process. Direct participation in this process has led to many of the previously funded assessments being included in the Best Available Science. Many of the assessments completed via the salmon recovery work will also be used in the SMP Update process for the Shoreline Inventory and the Zoning / Environmental Designations. It is also anticipated that the 3 year work plan will contribute to the SMP Restoration Planning efforts. The results of the CAO and SMP Updates will be significant for long term and far reaching actions that will provide greater protection for WRIA2's wetlands, streams and shorelines.

The *Ecosystem Based San Juan Initiative(SJI)* led by a broad constituency of volunteer community leaders and regional resource managers, evaluated how successful local volunteer, incentive, regulatory and education programs are in securing the vitality of our natural resources for future generations. The results of the SJI are highlighted as separate habitat protection projects:

- ⌚ *Education and Technical Assistance to Improve Protection,*
- ⌚ *Improving Enforcement,*
- ⌚ *Improving Incentives for Shoreline Protection,*

Some of these projects/programs are in the process of being implemented via the EPA grant *Managing Growth in Island Communities* which is discussed in more detail in the following Outreach and Education section. However, some of this work requires support and/or resources from San Juan County staff which is difficult with the current budget issues and lay offs. Most of these projects/programs will require additional funding in order to implement the key results of the SJI project.

### **Outreach and Education**

WRIA2 is seasonally affected by human population increases both from summer residents and visitors. Two approaches to achieving our goals must be made: residents and businesses need information and encouragement to develop and steward their property in a “salmon friendly” manner and visitors need information on how their actions will benefit the ecosystem in San Juan County. Educational outreach has several vectors: scientists in the classroom, salmon in the schools program, adult education and lecture series, etc. The Beach Watchers program began in 2006 and focuses on ecosystem awareness for residents and visitors to San Juan County. Educational outreach includes workshops and classroom experiences for residents and information exchange at marinas and ferry terminals for visitors.

Guidance is needed for private citizens and governments that will lead to conservation and preservation of Chinook salmon, forage fish and their critical habitats. Technical assistance is aimed at managers to keep them knowledgeable about research findings and habitat issues. Public education is aimed at all age groups of county residents. School children will learn the importance of marine habitats and workshops provided for landowners to acquaint them with “best management practices” of their property for salmon and forage fish. The “Salmon in the Schools” program is aimed at 4<sup>th</sup> grade students where they spend a semester learning about Chinook salmon and rearing juveniles for release.

Increased awareness of managers and citizens of proactive methods they can use as part of the San Juan County Marine Stewardship Area (MSA) is a key component of the outreach work in WRIA2 and is spearheaded by the MRC. An understanding of the links between watersheds, land use, and nearshore habitats are emphasized.

The Lead Entity and the MRC combined their resources in 2008 to hire a part time Education & Outreach Coordinator to help with much needed public outreach and education and message coordination. These two programs with the guidance of the Outreach Coordinator create an ongoing electronic newsletter titled “Stewardship Connections” to help highlight local marine issues, actions and events. Additionally, the Outreach Coordinator is coordinating the messaging and efforts of most of the local organizations who provide education and outreach programs in San Juan County. The Outreach Coordinator is also the local ECONet Coordinator and facilitates regular meetings with these participating organizations. However, due to proposed funding cuts, the fate of this position is unknown but at a minimum will no longer be supported via the local LE Program and funding.

Technical Assistance to landowners regarding how to develop and steward their property is a critical component in being able being able to modify behaviors and to create a “stewardship ethic.” A key result of the San Juan Initiative documented the need for technical assistance in a variety of forms from web site information to on the ground assistance. The *Education and Technical Assistance to Improve Protection* project highlights the results of this need identified via the SJI work. Providing technical assistance to local landowners was a key component of the EPA Puget Sound Watershed Management Assistance Program grant for San Juan County. The *Managing Growth in Island Communities* EPA funded project will build long term capacity to protect rapidly developing shorelines in the San Juan Islands by piloting a project in two basins on Orcas and San Juan Island to provide technical assistance and incentives for landowners and business owners to retain shoreline buffers and adjacent forests, install low impact

development technologies, prevent pollution, improve wastewater and stormwater management and restore or enhance habitat. The project will also build private and public professional capacity for sustainable development by integrating LID into county development codes, installing a high profile LID project to manage runoff from Eastsound, build consumer demand for LID, and train government agency staff and building contractors in LID and other sustainable technologies.

### **Salmon Recovery Coordination/Implementation**

Each year more is asked of the Lead Entity Coordinators throughout the state yet the base funding to support salary, travel, supplies and office expenses has not increased since 1999 although the Lead Entity role has expanded significantly. In 2006 San Juan County increased their funding portion to ensure a full-time Lead Entity Coordinator position. However, due to budget issues, as of 2009 San Juan County no longer provides any funding for the Lead Entity program so it must be fully grant funded. Additionally, the County now requires indirect support from any grants so the need for funding is greater each year.

There are currently over 30 governmental and non-governmental partners involved in restoration, conservation, education, research, planning and managing the marine resources in San Juan County. The Lead Entity Coordinator is becoming a clearing-house of ideas, information and actions along with the primary point of contact for any and all habitat related projects in the county. The Lead Entity Coordinator is necessary to promote collaboration, eliminate redundancy and focus on priorities among the many partner organizations.

The Lead Entity program wish list includes having a fully funded position that is not at risk during county, state and federal budget crises.



Project Type	Plan Category	Project Name	Project Description	Priority tier of project	Limiting Factors	Reference Document for limiting	Habitat Type	Activity Type and Project Performance	Primary Species Benefiting
<b>Capital Projects</b>									
<b>Habitat</b>									
Acquisition for Protection	Acquisition Projects	Long-Term Habitat Protection as identified in FSJ Habitat Protection Blueprint	Friends of the San Juans is working with project partners to apply the	I	Degraded Habitat-Fish Passage, Biological		Nearshore (Beaches)		Chinook
	Acquisition Projects	Springmeyer Property Acquisition	This property on Blakley Island encompasses over 76 acres and	I	Estuarine and Nearshore Habitat		Nearshore (Beaches),	Activity Types - Acquisition/Ease	Chinook
	Acquisition Projects	Cooley Gilliom Property Acquisition	This 61 acre property has over 4,000 feet of shoreline on Stuart	I	Estuarine and Nearshore Habitat		Upland, Nearshore	Activity Types - Acquisition/Ease	Chinook
	Acquisition Projects	President Channel Shoreline	President Channel hosts large numbers of juvenile chinook salmon	I	Estuarine and Nearshore Habitat		Riparian, Nearshore	Activity Types - Acquisition/Ease	Chinook
	Acquisition Projects	Neighborhood Salmon Habitat Conservation Easement Pilot Program	FSJ and project partner, the San Juan Preservation Trust (SJPT), will	I	Estuarine and Nearshore Habitat		Nearshore (Beaches),	Activity Types - Acquisition/Ease	Chinook
	Acquisition Projects	Ketter Property (Mar Vista) Acquisition	Ketter property (Mar Vista Resort), located at the mouth of False Bay,	I			Nearshore (Beaches),		Chinook
	Acquisition Projects	Webb Property Acquisition	The Webb property, Westcott Bay, San Juan Island is the largest	I			Nearshore (Embayments)	2800 feet shoreline	Chinook
	Acquisition Projects	Cascade Creek Easement Aquisition	Work with local private landowner to establish conservation	I	Degraded Habitat-Riparian Areas and		Rivers/Streams/Shoreline		Chinook, Coho, Cutthroat
	Acquisition Projects	Cascade Creek Acquisition	This project will acquire 3.66 acres of riparian corridor, marine shoreline and tidelands along	I	Degraded Habitat-Water Quality, Degraded Habitat-		Upland, Instream, Nearshore	3.66 acres stream corridor and tidelands	Chum, Chinook, Coho, Cutthroat,
	Acquisition Projects	Watmough Bay Salmon Habitat Preservation	The San Juan County Land Bank will use this grant to buy 7.29 acres, including 680 feet along	I	Degraded Habitat-Water Quality, Biological Processes,		Nearshore (Embayments)	7.29 acres, 680 feet of shoreline	Chum, Chinook, Pink
Acquisition for Restoration	Acquisition/Restoration (Co	False Bay Acquisition and Restoration #1	Conservation easement aquisition, riparian planting, and fencing on	I	Degraded Habitat-Riparian Areas and		Instream, Rivers/Stream		Coho, Cutthroat
	Acquisition/Restoration (Co	Judd Cove acquisition and restoration	This acquisition of a 6 acre parcel with 2 acres of tidelands is adjacent to the San Juan County	I	Degraded Habitat-Water Quality, Biological Processes,		Nearshore (Embayments)	6.0 acres with 2.0 acres of tidelands	Chinook
Restoration	Restoration Projects	Deer Harbor Pool Removal & Beach Restoration	Remove derelict concrete pool from intertidal beach in Deer	II	Degraded Habitat-Fish Passage, Biological		Nearshore (Beaches)		Chum, Chinook
	Restoration Projects	Shoal Bay Forage Fish Habitat Restoration Project	The beaches of Shoal Bay are valuable documented surf smelt	II	Degraded Habitat-Water Quality,		Nearshore (Beaches)		Chinook
	Restoration Projects	Shoal Bay Tide Gate Removal Project	The restoration portion of this project is complete. Friends of the	II	Degraded Habitat-Channel Structure and		Nearshore (Beaches),	lagoon and nearshore- forage	Chum, Chinook, Coho,
	Restoration Projects	Turn Point Salt Marsh Restoration, San Juan Island	The Turn Point Salt Marsh Restoration Project will remove an	II			Nearshore (Embayments)		Chinook
	Restoration Projects	Deer Harbor Estuary Restoration	People for Puget Sound will use this grant to begin restoring the	II	Estuarine and Nearshore Habitat		Nearshore (Beaches),	1 fish passage barrier and	Coho, Cutthroat
	Restoration Projects	Barlow Bay Nearshore Ecosystem Restoration	During Phase One of the MacKaye Harbor Community Nearshore	II	Degraded Habitat-Water Quality,		Nearshore (Beaches)	forage fish spawning and	Chinook
	Restoration Projects	Deer Harbor Bridge Replacement	This project is for the development of final design for a bridge	II	Degraded Habitat-Stream Substrate,		Nearshore (Embayments)	restore tidal flow	Chinook
	Restoration Projects	Derelict Fishing Net Removal	Restore marine habitat for multi-spe	II	Non-Habitat Limiting Factors, Degraded		Nearshore (Rocky Coast)	Activity Type - Estuarine &	Chinook, Sockeye
	Restoration Projects	Fish Trap Creek re-charge and flow regulation	Ecology Water Right permtitng process started.	II	Degraded Habitat-Stream Flow		Instream, Rivers/Stream	restore instream flow	Chinook
	Restoration Projects	Mooring Buoy Eelgrass Restoration Pilot Project	Friends of the San Juans (FSJ) will utilize the mooring buoy inventory	II	Degraded Habitat-Fish Passage, Biological		Nearshore (Beaches),	eelgrass restoration	Chum, Chinook, Coho,

	Restoration Projects	Neck Point Coastal Marsh Restoration	Past development of nearshore environments has resulted in the	II	Degraded Habitat-Riparian Areas and		Nearshore (Beaches),	coastal wetland and nearshore	Chum, Chinook, Coho,
	Restoration Projects	Point Lawrence Road/Cascade Creek Culvert Replacement	This project was funded in the 2007 SRFB round and the work is	II	Degraded Habitat-Floodplain Connectivity		Nearshore (Embayments)	Activity Type - Estuarine &	Chum, Chinook, Coho,
	Restoration Projects	Shoreline Restoration at sites identified in Soft Shore Restoration Blueprint	For the last five years, FRIENDS has been working with shoreline	II	Degraded Habitat-Water Quality,		Nearshore (Beaches),	nearshore restoration	Chinook
	Restoration Projects	Smuggler's Cove Road Forage Fish Habitat Restoration	Remove derelict intertidal rock, forage fish habitat restoration	II	Degraded Habitat-Water Quality,		Nearshore (Beaches)	surf smelt habitat enhancement	Chinook, Coho
	Restoration Projects	Thatcher Bay Nearshore Restoration	A mill operating on the beach from the late 1800s until the 1950s	II	Estuarine and Nearshore Habitat		Nearshore (Embayments)	Activity Type - Estuarine &	Chum, Chinook, Coho,
	Restoration Projects	West Beach Culvert Replacements	The goal of this project is to restore connectivity for native fish	II	Degraded Habitat-Fish Passage		Riparian, Instream,	1 -2 culvert replacements	Coho
	Restoration Projects	Aleck Bay Beach Habitat Restoration	Removal of a failed concrete beach access bulkhead and associated fill	II	Degraded Habitat-Estuarine and		Nearshore (Beaches)		Chinook
	Restoration Projects	San Juan County Creosote Piling Removal Project	Friends of the San Juans Shoreline Modification Inventory for San Juan	II	Degraded Habitat-Water Quality		Nearshore (Beaches),		Chum, Chinook, Coho,
	Restoration Projects	Blakely Island- North Thatcher Bay Forage Fish Restoration Project	Rehabilitation with Reduced Facility Size	II	Degraded Habitat-Water Quality,		Nearshore (Embayments)	surf smelt habitat enhancement	Chinook
	Restoration Projects	Pickett Springs Salt Marsh	Re-creation of a salt marsh where currently there are two fresh water	II	Degraded Habitat-Estuarine and		Nearshore (Embayments)	1 acre salt marsh restored	Chinook
	Restoration Projects	False Bay Riparian Enhancement	1. Mouth of False Bay Creek - approximately 20 acres owned by	II	Degraded Habitat-Floodplain Connectivity		Riparian, Instream,	riparian stream restoration	Chum, Coho, Cutthroat
	Restoration Projects	Garrison Creek Watershed Restoration (Phase II a - Construction)	Fence livestock and remove invasives	II	Degraded Habitat-Floodplain Connectivity		Instream	1340-2640 ft.	Coho
	Restoration Projects	Garrison Creek Watershed Restoration (Phase II b - Monitoring)	Culvert replacement/retrofit; channel realignment, wood	II	Degraded Habitat-Floodplain Connectivity		Instream	Activity Type - Estuarine &	Coho
	Restoration Projects	Neck Point Lagoon Reconnection	The intertidal lagoon at Neck Point on Shaw Island connects the	II	Degraded Habitat-Estuarine and		Nearshore (Embayments)	restore tidal flow	Chum, Chinook, Coho,
	Restoration Projects	Save Fisherman Bay	Fisherman Bay (Lopez) is actually a large shallow estuary, originally fed	II	Degraded Habitat-Water Quality,		Nearshore (Embayments)		Chinook, Sockeye
	Restoration Projects	Shaw Landing creosote bulkhead removal	bordering the Washington state Ferry landing on Shaw Island is a	II	Estuarine and Nearshore Habitat		Nearshore (Embayments)	1 bulkhead removed	Chum, Chinook, Coho,
<b>Total Capital Need</b>									
<b>Non-Capital Projects &amp; Programs</b>									
Harvest Management	Non-Capital Projects	Section 7 consultation-salmon harvest management plan re: orca consumption	may affect harvest management plan details		Non-Habitat Limiting Factors		N/A	predation impacts	Chinook
Habitat Project Development	Non-Capital Projects	Expansion of WRIA2 Watershed Inventory	WFC will continue the water type assessment begun in 2003, and	I	Degraded Habitat-Floodplain Connectivity		Instream	Degraded Habitat-Riparian Areas	Cutthroat
	Non-Capital Projects	Juvenile Salmon Prey Base Protection (WRIA2)	KWIAHT will use this grant to study the food sources for salmon as a	I	Biological Processes, Estuarine and		Nearshore (Beaches),	prey resources	Chinook
	Non-Capital Projects	San Juan County Shoreline Modification Inventory	The goals of the San Juan County Shoreline Modification Inventory	I	Degraded Habitat-Water Quality,		Nearshore (Beaches),	nearshore restoration	Chum, Chinook, Coho,
	Non-Capital Projects	WRIA2 Habitat Based Assessment of Juvenile Salmon (Big Picture Project)	Estuary and nearshore habitats are occupied by juvenile salmon during	I	Biological Processes, Estuarine and		Nearshore (Beaches),	fish utilization	Chum, Chinook, Coho,
	Non-Capital Projects	Wild Salmon Recovery in San Juan County (aka Pulling It All Together)	Utilize assessments and data layers to prioritize protection and	I	Degraded Habitat-Riparian Areas and		Riparian, Nearshore		Chinook
	Non-Capital Projects	False Bay Watershed Flow & Habitat Assessment	This assessment will address water quantity, quality, fish use and	I	Degraded Habitat-Water Quality,		Riparian, Instream,	flow protection and restoration	Chinook, Coho, Cutthroat
	Non-Capital Projects	Garrison Creek Watershed Restoration (Phase I)	Feasibility Study - Reconstruct historical floodplain conditions;	II	Degraded Habitat-Floodplain Connectivity		Riparian, Instream,	Activity Type - Estuarine &	Chum, Coho, Cutthroat
	Non-Capital Projects	WRIA2 Assessment of Resident and Migratory Salmon	Acoustic telemetry study of timing, residency and habitat use	I	Biological Processes, Estuarine and		Nearshore (Beaches),	fish utilization	Chinook

	Non-Capital Projects	Salmon Habitat Protection Blueprint Update	When results of the Juvenile Salmon Data from the Big Picture	I	Degraded Habitat-Estuarine and		Nearshore (Beaches),	nearshore protection	Chum, Chinook, Coho,
	Non-Capital Projects	SJC Inventory and Restoration Prioritization of County Nearshore Infrastructure	Take existing County GIS map of nearshore infrastructure including	II	Degraded Habitat-Estuarine and				Chinook
	Non-Capital Projects	SJI - Develop Grant Program to Remove Bulkheads Critical to Salmon Recovery	Develop a granting program to remove bulkheads along beaches	II	Degraded Habitat-Estuarine and		Nearshore (Beaches),	nearshore protection	Chinook
Habitat Protection	Non-Capital Projects	San Juan Ecosystem Based Protection Initiative	Evaluation of existing regulatory, voluntary and incentive programs	I	Degraded Habitat-Riparian Areas and		Nearshore (Beaches),	protection	Chum, Chinook, Coho,
	Non-Capital Projects	class one beach inventory	Complete mapping and quality assessment of class one beaches	I	Biological Processes, Estuarine and		Nearshore (Beaches)	nearshore protection	Chinook
	Non-Capital Projects	Hydrologic Modeling and Estuarine Wetland Data	Watershed Modeling	I			Nearshore (Beaches),	protection	Chinook
	Non-Capital Projects	Spatially explicit shoreline permit and policy analysis	Analysis of shoreline permit activity	I			Nearshore (Beaches)	protection	Chinook
	Non-Capital Projects	San Juan County Feeder Bluff Project - Mapping and Application of Results	Process-based restoration has been recognized as the ideal	I	Degraded Habitat-Estuarine and		Nearshore (Beaches),	nearshore protection	Chinook
	Non-Capital Projects	CAO Update	The Lead Entity actively participates in ongoing multiple	I	Degraded Habitat-Floodplain Connectivity		Upland, Riparian,	upland and nearshore	Chinook
	Non-Capital Projects	Derelict Vessel Removal Program	DNR & SJC partnership to remove derelict vessels from local waters	I	Degraded Habitat-Water Quality		Nearshore (Beaches),	nearshore protection	Chinook
	Non-Capital Projects	Expansion of WRIA 2 Watershed Inventory (Phase II)	WFC will continue the cutthroat distribution and watertype	I	Degraded Habitat-Riparian Areas and		Instream	Activity Type - Riparian Habitat: water quality .	Cutthroat
	Non-Capital Projects	Incorporate drainage basin planning in Comp Plan/ordinance	Assist county planning process	I	Degraded Habitat-Water Quality,		Upland	Upland protection water quality,	Cutthroat
	Non-Capital Projects	LID Implementation	Implement LID techniques decrease development impacts on	I	Degraded Habitat-Water Quality,		Upland	upland protection	Chinook
	Non-Capital Projects	Nearshore Habitat Protection through Policy and Plan Review	Despite policy protection and broad recognition of its ecological	I	Degraded Habitat-Water Quality,		Nearshore (Beaches),	nearshore protection	Chinook
	Non-Capital Projects	Nearshore work windows- HPA input	Update work window based on fish utilization assessments	I	Estuarine and Nearshore Habitat		Nearshore (Beaches),	protection	Chinook
	Non-Capital Projects	SMP Update	The Lead Entity actively participates in ongoing multiple	I	Degraded Habitat-Estuarine and		Riparian, Nearshore	nearshore protection	Chinook
	Non-Capital Projects	Spartina Control	Control of the few invasive occurrences	I	Degraded Habitat-Estuarine and		Upland, Nearshore	nearshore protection	Chinook
	Non-Capital Projects	Cumulative Impact Analysis - Garrison/Westcott Pilot Watershed Analysis	Despite the fact that the majority of impacts to the nearshore marine	I	Degraded Habitat-Water Quality,		Upland, Nearshore		Chum, Chinook, Coho,
	Non-Capital Projects	San Juan County Forage Fish Spawning Habitat Project	FSJ and Nearshore Biologist, Dan Pentilla, will conduct intensive	I	Biological Processes, Estuarine and		Nearshore (Beaches),		Chinook
	Non-Capital Projects	SJI - Improving Enforcement	Create a partnership between Dept of Ecology, Dept of Fish and	I	Degraded Habitat-Estuarine and		Nearshore (Beaches),	nearshore protection	Chinook
	Non-Capital Projects	SJI - Improving Incentives for Shoreline Protection	Develop a pilot project at the San Juan Preservation Trust to protect	I	Degraded Habitat-Riparian Areas and		Upland, Riparian,	nearshore protection	Chinook
	Non-Capital Projects	Synthesis / Analysis of Data Gaps	write papers on 16 topic areas and local issues. - List compiled as	I	Estuarine and Nearshore Habitat		N/A	upland and nearshore	Chinook
Plan Implementation & Coordination	Non-Capital Projects	WRIA 2 Salmon Recovery Plan - Salmon recovery coordination/implementation	In San Juan County / WRIA2 protection of high quality nearshore marine habitat is the top				N/A	coordination	Chinook
	Non-Capital Projects	Salmon Recovery Adaptive Management & Monitoring	recovery chapter is being conducted with the Puget Sound		Degraded Habitat-Estuarine and		N/A	coordination	Chinook
	Non-Capital Projects	Water Quality and Watershed Coordination Group (Water Table)	Participate in and help facilitate informal Water Table group		Degraded Habitat-Water Quality		N/A	coordination	Chinook
	Non-Capital Projects	Education and Outreach Coordinator	Coordinates outreach messages, implements outreach plans,				N/A	coordination	Chinook
Outreach & Education	Non-Capital Projects	Cumulative Impact Analysis - Technical Workshop	Friends of the San Juans has identified the required cumulative	I	Degraded Habitat-Water Quality,		Upland, Nearshore	coordination	Chinook



	Non-Capital Projects	San Juan County Land Manager Training (Natural Resources Data Workshop)	Comprehensive, high quality habitat, species and process data	I	Degraded Habitat-Channel Structure and		Upland, Riparian,	coordination	Chum, Chinook, Coho,
	Non-Capital Projects	Shoreline Stewardship Guide for landowners	Update guide, mail to all shoreline property owners in SJC	I			Nearshore (Beaches)	nearshore protection	Chinook
	Non-Capital Projects	Water in San Juan County Realtor Workshop	Classes with realtors regarding water protection	I			Upland, Riparian,	upland and nearshore	Chinook
	Non-Capital Projects	Managing Growth in Island Communities	This project will build long term capacity to protect rapidly	I	Degraded Habitat-Riparian Areas and		Upland, Nearshore	upland and nearshore	Chinook
	Non-Capital Projects	Coordinate educational resources and stewardship messaging	Coordinated education on the protection of marine resources,	I	Degraded Habitat-Riparian Areas and		Upland, Nearshore	coordination nearshore	Chinook
	Non-Capital Projects	Boater Education	Educate boaters on Marine Stewardship and whale wise	I	Biological Processes		N/A	protecion	Chinook
	Non-Capital Projects	Landowner conservation motivation	Encourage salmon-friendly and eco-friendly actions on property	I			Upland	upland and nearshore education,	Chinook
	Non-Capital Projects	MSA Plan Outreach	Education and outreach to public on Marine Stewardship Area (MSA)	I	Degraded Habitat-Water Quality,		N/A	develop	Chinook
	Non-Capital Projects	Oil Spill Education	Education regarding risks and impacts of potential oil spills	I	Degraded Habitat-Water Quality,		N/A	nearshore protecion	Chinook
	Non-Capital Projects	Outdoor Classroom	Juvenile salmon ecology	I			N/A	education, develop	Chinook
	Non-Capital Projects	Salmon-in-the-schools	Juvenile salmon ecology	I	Degraded Habitat-Water Quality,		N/A	education, develop	Chinook
	Non-Capital Projects	SJI - Education and Technical Assistance to Improve Protection	San Juan County residents and decision makers need consistent	I	Degraded Habitat-Riparian Areas and		Upland, Riparian,	upland and nearshore	Chinook
	Non-Capital Projects	watershed Landowner BMP Education and Restoration Opportunities	work with specific riparian landowners within San Juan County	I	Degraded Habitat-Riparian Areas and		Upland, Riparian,	landowner technical	Chum, Chinook, Coho,
Flow Protection	Non-Capital Projects	Secure instream flows for fish and wildlife	Acquire water rights as needed to assure adequate flows	I			Instream	instream flow protection	Coho
	Non-Capital Projects	Model and restore stream flows	Determine sources and rates of water in streams, identify ways of	II	Degraded Habitat-Stream Flow		Instream	restore instream flow	Coho
Monitoring	Non-Capital Projects	Project Clean Stormwater	Surractant pollution is toxic to San Juan County's critical nearshore		Degraded Habitat-Water Quality,		Upland, Riparian,		Chum, Chinook, Coho,
	Non-Capital Projects	Contaminant monitoring in freshwater and nearshore habitats	Identify and reduce contaminant inputs		Degraded Habitat-Water Quality		Upland	monitoring water quality,	Chinook
	Non-Capital Projects	Eelgrass Distribution Monitoring in Westcott and Garrison Bays	For the last 5 years, FRIENDS has been working collaboratively to		Degraded Habitat-Water Quality,		Nearshore (Embayments)	monitoring eelgrass	Chinook
	Non-Capital Projects	Exotic Species Monitoring	Monitor/map exotic species on priority habitats				Nearshore (Beaches)	monitoring invasive species	Chinook
	Non-Capital Projects	Friends of the San Juans Marine Water Quality Monitoring Program	Friends of the San Juans Marine Water Quality Monitoring Program		Degraded Habitat-Water Quality		N/A	monitoring water column properties	Chinook
	Non-Capital Projects	MSA Monitoring Plan	The marine Resources Committee (MRC) has drafted a monitoring				Nearshore (Beaches)	monitoring habitat, water	Chinook
Research	Non-Capital Projects	Sand lance-Deep water habitat	The Pacific sand lance (Ammodytes hexapterus) is an		Biological Processes, Estuarine and		Nearshore (Beaches)	sand lance spawning habitat	Chinook, Coho, Steelhead
	Non-Capital Projects	Climate Change Impact Analysis - Forage Fish	Friends of the San Juans (FSJ) and Coastal Geologic Services (CGS)		Degraded Habitat-Estuarine and		Upland, Riparian,		Chinook
	Non-Capital Projects	Mountain Lake Wildlife Feasability Study - impacts of non-native fish stocks	Determine the extent (if any) that non-native fish populations in		Lake Habitat		Instream		Cutthroat Chum, Coho, Steelhead
	Non-Capital Projects	Discrete Population Segments - non Chinook Salmon	The project will identify priority habitats for ESA listed species.				N/A		
Other (Hatchery)	Non-Capital Projects	Ecological interactions of hatchery and wild salmon in marine habitats	May affect size, timing, quantity of releases at hatcheries		Non-Habitat Limiting Factors		Nearshore (Beaches)	competition	Chinook
	Non-Capital Projects	Glenwood Springs Chinook hatchery	Pathways juveniles use after release.		Non-Habitat Limiting Factors		Nearshore (Beaches),	competition	Chinook
<b>Total Non-Capital Need</b>									

Categories of projects:								
Newly added projects (YELLOW)								
Active projects (funded) (GREEN)								
Completed projects (BLUE)								

Secondary Species Benefiting	Current Project Status	2011 Activity to be funded	2011 Estimated Budget	2012 Activity to be funded	2012 Estimated Budget	2013 Activity to be funded	2013 Estimated Budget	Likely End Date	Likely Sponsor	Total Cost of Project	Local share or other funding	Source of funds (PSAR, SRFB, other)	HWS Project ID
	Feasibility Pending	roster landowner		easements and		easements and		12/31/2012	Friends of the San Juans	\$5,000,000			29
	Feasibility Completed	acquisition						4/30/2011	San Juan Preservation Trust	\$350,000	\$35,000	private donation	115
	Feasibility Completed	acquisition						12/31/13	San Juan Preservation Trust	\$750,000			114
Cutthroat (Secondary)	Feasibility Pending	acquisition	\$500,000					12/31/12	San Juan County Land Bank	\$750,000	\$250,000	PSAR	118
	Conceptual	acquisition	\$50,000					12/31/2014	Friends of the San Juans	\$50,000	\$7,500	PSAR	33
Chum (Secondary)		acquisition	\$8,000,000					12/31/12	San Juan County Land Bank	\$8,000,000			89
	Feasibility Completed	acquisition	\$6,000,000					12/31/12	San Juan County Land Bank	\$6,000,000			88
	Conceptual							1/12/2015	Wild Fish Conservancy				112
	Land Acquisition Completed	acquisition	\$225,000					6/30/12	San Juan Preservation Trust	\$351,500	\$127,500	PSAR, private donations	09-1457
	Land Acquisition Completed	acquisition	\$465,600					4/30/2009	San Juan County Land Bank	\$1,164,000	\$698,400	PSAR, SJC	07-1785
	Conceptual							1/31/2016	Wild Fish Conservancy				92
Chum (Secondary Species)	Land Acquisition Completed, Construction	acquisition						4/1/2009	San Juan County Land Bank	\$1,301,774	\$651,774	ALEA, SJC	27
Chum (Secondary)	Construction Completed							5/30/2008	San Juan County Land Bank	\$34,936	\$12,821	PSAR	07-1784
Chum (Secondary)	Construction Completed							1/31/2009	Friends of the San Juans	\$30,000	\$30,000	other	12
	Construction Completed							12/31/2010	Friends of the San Juans	\$116,000	\$57,000	PSAR	07-1740
Chum (Secondary)	Construction Completed							9/30/2009	Friends of the San Juans	\$55,000	\$55,000	other	14
	Feasibility Completed							12/31/2010	People for Puget Sound	\$172,573	\$25,900	PSAR, SRFB	07-1649
Chum (Secondary)	Feasibility Completed	final design and permitting		implementation				12/31/2011	Friends of the San Juans	\$101,550	\$15,240	PSAR	09-1524
Cutthroat (Secondary)	Feasibility Completed	final design	\$300,000					12/31/2013	San Juan County Public Works	\$1,864,000			111
Chum (Secondary)	Permitting Completed	Removal		Removal		Removal		10/31/2020	NW Straits Marine Conservation Found	\$3,150,570		SRFB,	07-1845 and 10-1752
Cutthroat (Secondary)	Conceptual							10/31/2013	San Juan County Lead Entity, ECY	\$275,000			6
	Feasibility Pending	implementation	\$57,350	monitoring				12/31/2011	Friends of the San Juans	\$77,350	\$11,750	SRFB,	08-1936

	Design Completed	implementation	\$45,000					12/31/2011	Friends of the San Juans	\$60,000	\$8,069	SRFB,	07-1801
Coho (Secondary Species)	Feasibility Pending,	construction, plantings	\$750,000	monitoring	\$25,000			10/31/2011	San Juan County Public Works	\$800,000	\$328,000	SRFB,	07-1539
Chum (Secondary)	Feasibility Completed							10/31/2012	Friends of the San Juans				10
	Design Completed	implementation	\$106,000	permitting and		monitoring		12/31/2011	Friends of the San Juans	\$106,000	\$16,000	PSAR	07-1744
Bull Trout (Secondary)	Permitting Completed							12/31/12	Skagit Fisheries Enhancement Group	\$1,000,000	\$130,000	PSAR, SRFB, ECY	08-1927 and 10-1739
Cutthroat (Secondary)	Feasibility Pending	Design/Permits	\$100,000	Design/Permits or	\$100,000	Construction	\$200,000	10/31/2011	Wild Fish Conservancy	\$400,000			21
Chum (Secondary)	Feasibility Completed								Friends of the San Juans	\$40,000			101
Pacific Herring, Rockfish, Orca	Conceptual								Friends of the San Juans	\$300,000			108
Bull Trout (Secondary)	Design Completed	design and permitting	\$20,000	implementation	\$130,000			12/31/2012	Friends of the San Juans	\$150,000			15
Chum (Secondary)	Design Completed								People for Puget Sound San Juan Islands	\$225,000			7
Chinook (Secondary)	Conceptual, Land Acquisition	Feasibility	\$75,000	Design	\$200,000	Permits	\$50,000	12/31/2011	Conservation District	\$325,000			99
Cutthroat (Secondary)	Conceptual					Labor	\$40,000	10/31/13	Wild Fish Conservancy	\$40,000			19
Cutthroat (Secondary)	Conceptual							10/31/2015	Wild Fish Conservancy	\$350,000			20
	Feasibility Pending								Wild Fish Conservancy	\$350,000			26
Pacific Herring, Orca (Killer)	Conceptual Feasibility Pending	Feasibility	\$75,000	Design	\$60,000	construction	\$375,000		KWIAHT	\$270,000			86
										\$250,000			25
										\$34,260,253			
	Conceptual								San Juan County Lead Entity, San Juan	\$0			68
Chinook (Secondary)	Feasibility Completed							1/31/2009	Wild Fish Conservancy	\$154,249	\$34,856	SRFB	06-2282
	Design Completed							9/30/2010	KWIAHT	\$87,870	\$15,910	PSAR	07-1770
	Completed							12/31/2011	Friends of the San Juans	\$96,500	\$14,500	PSAR	08-1929
	Completed							12/31/2010	Skagit River Sys Cooperative, Skagit	\$766,706	\$115,881	PSAR	07-1863
Cutthroat (Secondary)	Design Completed		\$159,999					12/31/2011	Friends of the San Juans	\$159,999	\$28,240	PSAR	10-1789
	Design Completed							6/30/2012	Washington Water Trust	\$65,749	\$15,540	PSAR	09-1604
	Feasibility Pending	Design/Feasibility	\$150,462					12/31/2011	Wild Fish Conservancy	\$150,462	\$0	SRFB	08-1941
Coho (Secondary Species),	Design Completed							12/31/2012	University of Washington	\$366,651	\$68,815	PSAR	09-1601

	Design Completed	rerun model with new data						1/1/2012	Friends of the San Juans	\$75,000			103
	Conceptual Feasibility Completed								San Juan County Public Works				33
Cutthroat (Secondary)	Completed								San Juan Initiative	\$200,000		CSF	97
								12/31/2009	Surfrider Foundation - WA, Puget Sound San Juan County	\$502,000	\$471,393	SRFB	06-2291
	Design Completed							12/31/2009	Marine Resources San Juan County Lead Entity	\$65,000	\$65,000	NWSC	52
	Completed							12/31/2007	Friends of the San Juans	\$12,000	\$12,000	ECY	47
	Completed							9/1/2007	Friends of the San Juans	\$20,000	\$20,000	ECY	35
Chum (Secondary)	Inventory Completed,							12/31/2010	Friends of the San Juans, San Juan San Juan County	\$150,000	\$76,585	PSAR, NWSC, PSP	09-1594
Cutthroat (Secondary)								12/31/2011	Community	\$0			37
	Design Completed							12/31/2015	WA DNR	\$30,000	\$30,000	DNR	98
Chinook (Secondary)	Feasibility Pending	GIS/Field work/Supplies	\$150,000					6/30/2013	Wild Fish Conservancy San Juan County	\$176,500	\$26,500	SRFB, PSAR	09-1600
	Conceptual Design Completed							12/31/11	Community San Juan County	\$0			41
								12/31/14	Community Friends of the San Juans	\$25,000			82
								12/31/2014	Friends of the San Juans	\$100,000			39
	Feasibility Pending							12/31/2011	WDFW	\$0			40
Cutthroat (Secondary)								12/31/2012	San Juan County Community	\$50,000			93
Cutthroat (Secondary)	Design Completed							12/31/2016	San Juan County Noxious Weed Board	\$11,000			56
Pacific Herring, Rockfish, Orca Chum (Secondary)	Conceptual								Friends of the San Juans				106
Cutthroat (Secondary)	Conceptual Design Completed								Friends of the San Juans	\$100,000			102
Cutthroat (Secondary)	Completed								San Juan Initiative	\$35,000			95
Cutthroat (Secondary)	Feasibility Completed								San Juan Preservation Trust	\$75,000			96
Cutthroat (Secondary)	Feasibility Completed			add 1 white papers	\$24,250	add 1 white papers	\$24,250		San Juan County Lead Entity	\$48,500			38
	ongoing	ongoing	\$102,000	ongoing	\$105,000	ongoing	\$108,000	12/31/2055	San Juan County Lead Entity	\$350,000	\$150,000	RCO, PSAR	84
(Secondary Species), Coho	Conceptual Design Completed		\$10,000		\$10,000			12/31/13	San Juan County Lead Entity	\$20,000	in kind	PSAR, LE	13
	Completed	group meetings,		group meetings,		group meetings,		12/31/11	San Juan Islands Conservation District	\$0	in kind		85
Cutthroat (Secondary)	ongoing							6/1/11	San Juan County Lead Entity, San Juan	\$33,000	\$16,500	MRC	73
Cutthroat (Secondary)	Design Completed							9/14/10	Friends of the San Juans	\$20,000			105



Pacific Herring, Rockfish, Orca	Design Completed	workshop						4/18/2011	Friends of the San Juans	\$3,000	\$3,000	LE, MRC	107
	Design Completed							5/1/2008	Friends of the San Juans			other	76
Cutthroat (Secondary)	Design Completed	course complete						12/31/2012	Friends of the San Juans	\$6,000	\$6,000		70
Cutthroat (Secondary)	Design Completed	training and workshops		workshops, onsite visits		workshops, onsite visits		12/31/14	San Juan County	\$970,000	\$317,000	EPA	150
	Conceptual Design							12/31/2016	San Juan County Marine Resources	\$10,000		ECONet	77
	Design Completed							12/31/2016	The Whale Museum	\$3,000	\$3,000		78
	Conceptual Design							12/31/2016					81
	Design Completed							12/31/2057	San Juan County Marine Resources	\$45,000	\$45,000	NWSC	75
	Conceptual Design							12/31/2019	IOSA				79
Cutthroat (Secondary)	Design Completed							12/31/2016	San Juan Nature Institute	\$1,000	\$1,000		72
Cutthroat (Secondary)	Design Completed							12/31/2016	San Juan Nature Institute	\$1,000	\$1,000		71
Cutthroat (Secondary)	Design Completed							12/31/14	San Juan Initiative	\$75,000		EPA	94
Orca (Killer Whale), Bald	Feasibility Pending	implementing BMPs	\$60,000	implementing BMPs	\$61,000	implementing BMPs	\$62,000	21/31/2014	San Juan Islands Conservation District	\$245,000		EPA	69
	Conceptual								WA Water Trust	\$120,000			44
	Conceptual								WA Water Trust	\$50,000			43
Pacific Herring, Rockfish, Orca	Monitoring							5/1/2012	Friends of the San Juans	\$10,000			110
	Conceptual Design			assessment/testing	\$55,000	design outreach	\$35,000	12/31/2012	KWIAHT	\$100,000			50
	Design Completed							12/31/11	Friends of the San Juans	\$6,500	\$6,500	Patagonia	51
								12/31/2016		\$10,000	\$10,000		57
								12/31/2014	Friends of the San Juans	\$7,500			59
				implementation		implementation		12/31/15	San Juan County Marine Resources	\$25,000	\$25,000	NWSC	46
Chum (Secondary)	Feasibility Pending							5/15/2013		\$250,000			11
Surf Smelt, Sand Lance	Conceptual							12/31/2012	Friends of the San Juans	\$175,000			109
	Conceptual							12/31/2015	Wild Fish Conservancy	\$80,000			113
	Conceptual									\$100,000			62
	Conceptual									\$30,000			64
	Conceptual								Long Live The Kings	\$30,000	\$30,000	LLTK	65
										\$6,299,186			
