

2011-2013 South Santiam Watershed Council and Coordinator Workplan

Element #1: Identifies and addresses the priority protection, restoration, and enhancement needs of the watershed. This element focuses on the watershed action plans, strategic plans, and other efforts to identify protection, restoration, and enhancement needs.

Existing Projects (implementation began prior to 7/1/2011)

Priority	Activity and Funding Source	Description	Deliverables	Progress
High	Restoration in model watersheds: Hamilton and McDowell Creeks (Oregon Watershed Enhancement Board {OWEB}, Meyer Memorial Trust {MMT}, and the Bonneville Environmental Foundation {BEF})	Restoration will commence in South Santiam “model watersheds”. Initial activities will include site preparation on over 65 acres for riparian plantings in the Hamilton and McDowell subbasins. This will be followed by instream habitat projects in McDowell Creek in 2011 and Hamilton Creek in 2012. Riparian vegetation will be placed 2011-2013. Project manager: Sarah Dyrdaahl.	<ul style="list-style-type: none"> • Develop grant proposal and present to review committee • Landowner outreach throughout model watersheds • Select engineering and contracting firms to implement work • Permitting for in-stream work in McDowell Creek 2011 <p>2011-2013 Deliverables</p> <ul style="list-style-type: none"> • Grant and contract management • Implement in-stream work in 2011 • Ongoing landowner outreach • Secure additional funding for riparian plantings and in-stream work in 2012 • Select engineering and contracting firms to implement work • Permitting for in-stream work in Hamilton Creek 2012 	<ul style="list-style-type: none"> • OWEB awarded grant, January 2011 • Landowner outreach and communications ongoing • Site preparation planned for over 66 acres in 2011 • Riparian planting and fencing on over 3 acres in 2011 • Conceptual plan for placement of habitat structures in McDowell Creek 2011

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High	Moose Creek Steelhead Enhancement Project (OWEB Restoration and Monitoring grants, U.S. Forest Service {USFS})	<p>The bulk of the Moose Creek Steelhead Enhancement Project's implementation activities occurred in 2008 and involved placing 65 full size trees over two miles into Moose Creek, a stronghold for winter steelhead in the South Santiam watershed. Log placement was via helicopter, direct sawing, and cable-assisted pulling with heavy equipment in order to preserve the tree root wads. Since project implementation, Moose Creek has been featured in several SSWC and USFS tours and field trips. In 2009, the SSWC hired a contractor to manipulate the log jams to further ensure project effectiveness. In 2010, the SSWC and USFS placed 50 cubic yards of spawning gravels to further augment the project. Significant effectiveness monitoring of the project occurred in 2009, with the resulting interim report being highlighted as a "high quality example" on the OWEB monitoring webpage. In the summer of 2011, remaining project funds will be used to transport smaller woody debris from Foster Reservoir to Moose Creek to help create larger log jams.</p>	<ul style="list-style-type: none"> • Secure funding for project • Grant and contract management • Conduct project monitoring 	<ul style="list-style-type: none"> • Large wood placed in 2008 • Log structures manipulated in August, 2009 to enhance fisheries benefits • Monitoring conducted in 2008-2009 • Effectiveness monitoring report submitted to OWEB in January, 2010 • 50 cubic yards of spawning gravel placed in August, 2010
High	Crabtree Creek Habitat Restoration and Enhancement Project (OWEB)	<p>This is a multiple landowner project that enhanced in-stream habitat and riparian conditions along a 3 mile reach of Crabtree Creek. Restoration began in the summer of 2009 and included the placement of LWD at two properties in complexes that provide rearing and off-channel habitat for</p>	<p>2011-2013 Deliverables</p> <ul style="list-style-type: none"> • Placement of Foster Reservoir wood in 2011 • Grant and contract management • Assist with 2011 monitoring • Write monitoring and final project reports <ul style="list-style-type: none"> • Secure funding for projects • Grant and contract management • Landowner outreach and involvement with projects • Permitting for in-stream work 	<ul style="list-style-type: none"> • Implemented in-stream portion of project in August, 2009. Five engineered log jams placed at two sites • Weeds controlled at four sites, 2009 • Riparian vegetation installed at two sites, 2009 • Photo monitoring throughout winter 2009/2010

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		<p>ESA-listed winter steelhead and spring Chinook. Invasive weed control is occurring along the reach, and riparian plantings are occurring in areas deficient in native vegetation.</p>	<ul style="list-style-type: none"> • Select engineering and contracting firms to implement work <p>2011-2013 Deliverables</p> <ul style="list-style-type: none"> • Continue plant establishment activities • Order plants for 2012 season • Japanese knotweed control • Write final project reports 	<ul style="list-style-type: none"> • Plant maintenance occurred at two properties in spring-fall 2010 • Site preparation for planting occurred at one property in fall, 2010 • Japanese knotweed treated throughout stream reach in September, 2010 • Supplementary riparian plantings at two sites and initial planting at one site in February, 2011
High	<p>Crabtree Creek Japanese Knotweed Control Program (OWEB, Oregon Department of Agriculture {ODA}, USFS, Bureau of Land Management { BLM})</p>	<p>The SSWC is leading the effort to control the spread of Japanese knotweed on Crabtree Creek. This project involves public outreach and education about the noxious weed, and is currently working with 125 landowners to inventory riparian areas for knotweed. Prioritized reaches are treated at the end of summer, and the results of selected past treatments are monitored for effectiveness. Knotweed is largely controlled in the middle to upper watershed reaches, and as the SSWC employs a method of working from the top of the watershed down, the primary focus is now in the middle to lower watershed reaches.</p>	<ul style="list-style-type: none"> • Secure funding • Select contractors to inventory and treat knotweed • Conduct landowner outreach and strategize for each treatment season • Grant and contract management <p>2011-2013 Deliverables</p> <ul style="list-style-type: none"> • Grant and contract management • Secure funding • Prioritize 2011-2013 outreach/treatment locations • Identify priority areas for riparian re-vegetation in 2012-2013 	<ul style="list-style-type: none"> • Landowner outreach in summer 2009 • Inventoried and treated over 45 acres in 2009 • Treated 26 landowners in 2009 • 8.41 miles of Crabtree and Roaring River treated • Secured funding for 2010-2011 treatment season • Landowner outreach in June, 2010 for next treatment season • 17.5 miles on 50 taxlots of Crabtree Creek gridded out and treated for infestations in 2010

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High	Ames Creek Fish Passage Restoration Project (OWEB and USFS)	<p>The project will create consistent passage into Ames Creek for anadromous and resident fish species in the South Santiam River. Approximately 17.5 miles of habitat is available in the Ames Creek sub-basin.</p>	<ul style="list-style-type: none"> • Secure funding • Grant management • Communicate with permitting agencies • Landowner outreach <p>2011-2013 Deliverables</p> <ul style="list-style-type: none"> • Select contractors for project implementation • Implement project • Monitor project effectiveness • Hold tours of site • Write monitoring and final reports 	<ul style="list-style-type: none"> • Funding secured to implement natural fishway project • Oregon DSL permit secured • On-going landowner outreach • On-going discussions with federal permitting agencies on Army Corps of Engineers permit • On-going discussions with potential partners on additional project funding and design opportunities • Project implementation extended to 2012
<p>Element #1: Identifies and addresses the priority protection, restoration, and enhancement needs of the watershed. This element focuses on the watershed action plans, strategic plans, and other efforts to identify protection, restoration, and enhancement needs.</p> <p style="text-align: center;">Upcoming Projects (Implementation to begin after 7/1/2011)</p>				
High	Canyon-Owl Steelhead Habitat Improvement Project (OWEB and USFS)	<p>This project is in partnership with the Sweet Home Ranger District and proposes placing 150 full length trees into approximately 4.5 miles of Canyon and Owl Creeks on both public and private industrial forest land. Canyon and Owl Creeks are two of the primary areas utilized by winter steelhead for spawning and rearing above Foster Dam on the upper South Santiam River. The proposed solution is to improve the quality of rearing habitat, increase spawning habitat, and add features that will enhance ecosystem resiliency. Proper functioning of these creeks is critical in the support of the South Santiam winter steelhead population.</p>	<ul style="list-style-type: none"> • Secure funds • Conduct landowner outreach to private industrial timber owners with property on targeted stream reaches • Assist in log acquisition • Grant and contract management • Write final reports 	<ul style="list-style-type: none"> • Funding secured • Landowner outreach underway, contacts with CTC and Rosboro Lumber established

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High	Jack Creek Fish Passage and Habitat Improvement Project (OWEB)	<p>Jack Creek is a tributary in the 23,900 acre Hamilton Creek subbasin of the South Santiam watershed. Hamilton Creek is utilized by ESA-listed winter steelhead for spawning and rearing. The project partners propose to eliminate fish passage barriers at three locations on Jack Creek, which will open up over four miles of habitat for anadromous and resident fish. Three undersized culverts will be replaced with two bridges and one larger culvert. Habitat conditions on Jack Creek are currently categorized as fair-to-good, and the habitat will be improved by the placement of log structures on approximately one mile of the creek.</p>	<ul style="list-style-type: none"> • Secure funds • Conduct landowner outreach and coordination • Grant and MOU management • Write final report 	<ul style="list-style-type: none"> • Submitted proposal April, 2011
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Element #2: Monitors and evaluates watershed conditions and functions, and the efforts to improve watershed health. This element focuses on activities related to water quality monitoring, watershed assessments, and project evaluation and includes such activities as water quality monitoring, culvert inventory, spawning surveys or project evaluation activities.

Priority	Activity and Funding Source	Description	Deliverables	Progress
High	McDowell and Hamilton Creek Subwatershed Monitoring (MMT)	Monitor temperature and physical habitat conditions in McDowell and Hamilton Creek subwatersheds. Program is coordinated by Eric Andersen.	<ul style="list-style-type: none"> • Continue monitoring at established sites June-October • Conduct pre-project monitoring at additional sites with upcoming restoration activity (i.e. Jack Creek) • Hire two summer field technicians. • Utilize geodatabase and ArcGIS to store and analyze data 	<ul style="list-style-type: none"> • Monitoring sites established in 2010

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			<ul style="list-style-type: none"> Report findings, as applicable to Council and broader watershed/restoration community 	
High	Santiam Basin Fish Passage Project	Partner with the Linn County Road Department and other landowners that maintain road crossings to prioritize fish passage barriers for replacement	<ul style="list-style-type: none"> Continue partnership with Linn County Continue working with timberland owners Seek funding to correct high priority barriers 	<ul style="list-style-type: none"> Submitted Jack Creek Fish Passage and Habitat Improvement Proposal Linn County has access to list of high priority culverts identified through Eric Andersen's analysis
High	Moose Creek Steelhead Enhancement Project Monitoring	Monitoring of project described in element #1. Parameters include temperature monitoring, stream profiles, spawning/snorkeling suveys	<ul style="list-style-type: none"> Assist USFS with data collection Input data into GIS, analyze and map sites Submit final monitoring report 	<ul style="list-style-type: none"> Interim monitoring report submitted January, 2010.
Medium	Monitoring implemented projects (various)	Separate from Moose Creek, involves photopoints and less labor intensive efforts to document progress at watershed restoration sites	<ul style="list-style-type: none"> Take photos at established locations of existing projects. Conduct other monitoring activities associated with individual grants/projects Write and submit reports 	

Element #3: Encourages and tracks public participation in watershed projects and activities. This element focuses on actions that encourage or track public participation in watershed projects and activities. Accomplishments and proposed actions might include a concentrated effort to contact a certain number of landowners, presentations at service group meetings and other public relations events.

Priority	Activity and Funding Source	Description	Deliverables	Progress
High	McDowell and Hamilton Creek Landowner Outreach, Meetings, and Tour (MMT)	Conduct outreach to McDowell and Hamilton Creek landowners to secure site access, site visits, and invite to landowner meetings	<ul style="list-style-type: none"> Secure access to conduct stream assessments Hold at least one landowner meeting Conduct landowner 	

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			restoration tours of relevant project sites	
High	Crabtree Creek Japanese Knotweed Control Program	Conduct outreach to Crabtree subwatershed riparian landowners to recruit into program. See project description in element #1	<ul style="list-style-type: none"> Current landowner database with knotweed metrics linked to maps 	<ul style="list-style-type: none"> Database and maps current for landowners as of April, 2011. Will be updated as needed
Medium	Watershed Tours	Tour restoration sites with general public and watershed stakeholders	<ul style="list-style-type: none"> Two watershed tours during 2011-2013 biennium 	<ul style="list-style-type: none"> Next watershed tour scheduled for June 14, 2011.

Element #4: Promotes and evaluates public learning about watershed science and key resource issues. This would include any activity specifically developed to promote or evaluate youth, public, and stakeholder education about watershed conditions, functions, and other key watershed resource issues. This element differs from #3 in that it is concerned with the council's efforts to conduct or support education and learning of watershed science and issues, not public participation.

Priority	Activity and Funding Source	Description	Deliverables	Progress
High	STEWARDS Watershed Education Program (OWEB, USFS, OR Community Foundation, Sweet Home Community Foundation)	Youth watershed education program targeting Sweet Home students with the development of a high school watershed council, in-school and field activities for younger students, and outdoor school. Program coordinated by Angie Clegg, USFS.	<ul style="list-style-type: none"> Assist USFS in operating STEWARDS program Manage existing grants Assist in composing, editing, and submitting grants to support STEWARDS program Recruit members and staff to volunteer in spring outdoor school 	<ul style="list-style-type: none"> 2011 Outdoor School June 8-10 at Camp Tadmore.
High	Watershed Tours and Community Meetings	Continue to hold watershed tours, and host monthly (except summer) council meetings that feature relevant presentations on issues specific to the South Santiam watershed.	<ul style="list-style-type: none"> Hold nine watershed council meetings annually Seek out speakers on topics relevant to the SSWC 	
Medium	Landowner Workshops	Continue to hold landowner workshops with topics pertinent to South Santiam watershed landowners.	<ul style="list-style-type: none"> Partner with OSU Extension, Linn County SWCD, and other local organizations to hold workshops Hold at least two workshops in 2011-2013 	

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Low	Participate in Lebanon Outdoor School	Teach aquatic macro-invertebrate session at Pioneer Outdoor School	<ul style="list-style-type: none"> • Lead sessions for 5th grade students at outdoor school 	
<p>Element #5: Builds partnerships, organizational capacity, and council effectiveness. This element focuses on activities that are specifically designed to improve the effectiveness of the organization and includes such things as strategic planning, self evaluations, internal workshops or trainings, or working to become a non-profit organization.</p>				
Priority	Activity and Funding Source	Description	Deliverables	Progress
High	South Santiam WSC Operations	Perform tasks necessary to maintain SSWC operations	<ul style="list-style-type: none"> • Maintain presence in office with associated tasks • Electronic and physical communications with Council members and public • Council Outreach • Meeting planning and coordination • Seek new board members from constituencies that reflect the South Santiam watershed 	
High	Partnership Building	Build and maintain effective partnerships that further the mission of the SSWC	<ul style="list-style-type: none"> • Build and maintain existing partnerships with local groups and agencies • Seek new opportunities for partnerships where goals and missions align 	
High	Model Watershed Program (MMT, BEF)	Participate in Willamette Model Watershed Program with regional partners (directly with Calapooia and North Santiam Watershed Councils). Selected sub-watersheds in the South Santiam are McDowell and Hamilton Creeks	<ul style="list-style-type: none"> • Participate in meetings with Meyer Memorial Trust/Bonneville Environmental Foundation staff • Coordinate with regional watershed partners (NSWC and CWC) 	

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