Stream Restoration Partnership
Declaration of Cooperation

Final DRAFT

Updated January 2010

Preface

The purpose for a "*Stream Restoration Partnership*" is to facilitate the deliverance of enhanced and accelerated stream restoration projects for private landowners and landowner technical assistance coordinators (the watershed councils, soil and water conservation districts and non-governmental organizations engaged with landowners to assist with implementing restoration projects) who are working with them. There is wide recognition of and a willingness to address the problems arising from slow, cumbersome and poorly coordinated funding and permitting processes for voluntary restoration projects. Therefore, the goal of the *Partnership* is to facilitate more quality restoration actions by private landowners in and along streams across the state to improve freshwater health in a timelier manner.

The stakeholder groups represented in the *Partnership* discussions include federal, state and local government, restoration and conservation funders, the private sector and landowner coordinators. The *Partnership* is not about adding another set of meetings to an already long list of efforts to improve water quality, protect habitat and restore species in Oregon. The focus has been, and is, to bring the stakeholders together in open and objective conversation to consider and address how to make the three key components needed for implementing voluntary restoration projects on private lands – technical assistance, funding and the regulatory process – work better. This means integrating the components together in a more efficient and cost-effective manner for the stakeholders, private landowners and local communities for the betterment of streams.

In addition to isolating costs and delays associated with the permitting process, taking more aggressive advantage of technology, including computing power and intelligent software design, to implement electronic permitting applications and web tools such as StreamBank have been touchstones in the discussions that have framed the *Partnership* approach. (See Figure 1. *Stream Restoration Partnership*).

Given the opportunities and challenges for restoring aquatic resources on private lands, and the limited resources we have to address both, the *Stream Restoration Partnership* embraces a higher and greater level of coordination and collaboration between all levels of government, and with the funders, private sector and non-governmental organizations involved with restoration work. There is agreement the status quo needs to improve to overcome the "collective bottleneck" of

stakeholders' tendency to work in "silos" across as well as within organizations. This is not only inefficient but tends to further foster turf issues and aversion to new, more constructive approaches for managing risk associated with restoration projects. New regulatory thinking and approaches are clearly needed to better reflect the context, and manage the risk, associated with voluntary restoration projects that are intended to have a net conservation benefit.

We can, and must, make restoration work better for private landowners. Breaking through the status quo to achieve a more cooperative and collaborative stakeholder approach has been tried for years, with widely varying degrees of success. A vision for a new path forward, and the open and transparent discussion that is needed for all to form more effective working relationships for voluntary restoration projects to benefit the environment as well as local communities, is the opportunity created by a "*Stream Restoration Partnership*".

The *Partnership* approach also provides a public/private/non-profit stakeholder framework that is consistent with and bolsters the state's longstanding efforts to foster effective voluntary conservation with the *Oregon Plan for Salmon and Watersheds*. The Oregon Plan is also intended to better coordinate the three key elements - regulatory, funding and technical assistance actions of state and federal agencies - for more effective voluntary watershed restoration by private landowners and others.

Taking collaboration to the next level for more effective integration of three elements with all the key stakeholders including non-governmental organizations, funders, and local government through a common dialogue around issues, opportunities, resources and a shared commitment to direction is at the heart of the *Partnership.* A committed *Stream Restoration Partnership* of local, state, federal, private sector, funder and non-profit stakeholders working in open, transparent and more collaborative ways can accelerate voluntary restoration projects to scale, work better for landowners by clarifying and adding certainty to the processes, and enhance the quality of projects.

An Oregon Solution: *Stream Restoration Partnership*

The following discusses the goal and desired outcomes of The Freshwater Trust (formerly Oregon Trout) and Oregon Department of State Lands-sponsored Oregon Solutions project going forward. The efforts of the project sponsors and those participating on the project team initially formed in 2008 (Attachment B*)* have lead to the realization of the value in an overarching *Stream Restoration Partnership* approach to voluntary restoration project assistance, permitting and funding. (Figure 1).

The *goal* of the Oregon Solutions project, the central "framing" of the project, is to facilitate more restoration actions by private landowners in and along streams across the state to improve freshwater health in a more timely manner. The emerging *Stream Restoration Partnership* approach focuses on using new tools and new thinking to address institutional barriers to efficient restoration actions, primarily in the project funding and permitting arenas, and in ways that enhance efficiency without sacrificing project quality.

The *desired outcomes* of bringing efficiencies to restoration projects include:

- comprehensive advancement of needed project development elements,
- improved, timely permitting processes for voluntary restoration projects,
- more efficient movement of restoration dollars to the ground,
- improved ability to focus time on landowner outreach and project development instead of paperwork, and
- greater ecological and local economic benefit from this work through increased scale of actions.
- Greater landowner interest in restoration.

This framing is broader than the original Oregon Solutions project that was based more upon the StreamBank web tool model, permitting process improvements and the electronic permitting initiative at the Department of State Lands. The *Partnership* concept is intended to allow for moving the needle further and further in the "friendlier" or "facilitate more restoration actions" category. The defining question for Project Team stakeholders becomes: "What can you do to enable this *Partnership* and help encourage more of these voluntary restoration project actions on private lands?"

Specifically, the *Oregon Solution Stream Restoration Partnership* integrated project currently involves three related project activities and is expected to include others as we go forward:

1. Development of permitting options and resources to facilitate permitting and implementation of well designed aquatic habitat restoration projects; (DSL lead)

    - Development of programmatic or general permitting options to provide a clearer path to approval.
    - Clarification of the design and review standards in order to facilitate well-designed projects getting on the ground with the least amount of unexpected permitting delays.
    - As appropriate, exempt certain voluntary habitat restoration actions from permit review.

2. Identifying, leveraging, managing and better accessing of funding for landowners wanting these types of projects; (The Freshwater Trust lead) and

3. Providing a friendlier interface (StreamBank web tool and DSL electronic permitting) for landowners and landowner coordinators to:
    - better know what permits are needed and not needed,
    - more efficiently apply for and obtain the permits when needed,
    - more effectively identify, access, and manage project funding, and
    - comprehensively cover and efficiently advance needed project elements (e.g., planning, design, implementation, project management, monitoring, maintenance, reporting) with time saving technology and one-stop-shop efficiencies.

The potential benefits of a *Stream Restoration Partnership* approach for funders, regulatory agencies and landowners are many. Some of the opportunities initially discussed by the Oregon Solutions project team include:

- A one-stop-shop approach that coordinates funders and regulators, including their various program interests and requirements.
- The potential for third party liability for compliance with design criteria while ensuring project quality and agency regulatory requirements are satisfied (e.g. The Freshwater Trust, State of Oregon, revisiting the use of programmatics and possibilities for greater use of "tiering").
- The advancing of regulatory program goals by prioritizing movement of funding based on how well a project addresses key criteria (e.g limiting factors) and implements key management actions tied to existing, regulatory entity-supported planning documents.
- Improvements in the efficiency of administering funds so as to relieve existing administrative staff burdens and allow more restoration funding to reach the ground.
- Assuring transparency on use of funds as well as project effectiveness (outcomes) through monitoring, maintenance, and reporting requirements.
- Taking more advantage of collaboration for better coordinating and expanding restoration projects with multiple landowners to achieve a more coherent and cost effective landscape-scale approach to conservation and restoration.

At one level, landowner coordinators and private landowners know and are willing to accept that restoration is complex and the processes to deliver projects may be complicated. At the same time, they will continue to demand greater clarity and certainty in the process if they are to effectively participate and deliver priority restoration projects at a meaningful scale.

Next Steps

These opportunities, and others, will be carried forward in at least two ways. The first is in the intentions and actions expressed by the individual stakeholders' with the Support Statements provided for this Declaration of Cooperation. These include:

- the continued development of the StreamBank web tool by The Freshwater Trust including additional partnering with DEQ and others to implement projects;
- support and agreement to work with ODFW staff to finalize the Culvert Toolbox and related guidance developed and discussed with the Inter-agency Fish Passage Barrier Work Group that met in 2009;
- DSL's continued work to improve regulatory processes as well as to implement exemptions in 2010 for state removal-fill permits for certain voluntary habitat restoration activities and consider additional exemptions to take effect, through rulemaking, in 2011;
- DSL-organized workshops around the State in the spring of 2010 to assist restoration proponents with designing, permitting and implementing restoration projects; and
- USACOE and DSL efforts to clarify permit exemptions under the Clean Water Act before the 2010 restoration workshops.

The second way is in arranging a shared dialogue between the *Partnership* stakeholders and the Oregon Plan for Salmon and Watersheds Core Team on a regular, recurring basis. The state and federal agencies involved with the Core Team have been active with the *Partnership*, though with varying levels of management participation. A regular, joint meeting of the *Partnership* and the Core Team provides the forum for consistent direct, shared dialogue between non-government

stakeholders and local government and the management level of state and federal agencies involved with the Oregon Plan Team and species recovery plans.

Oregon Solutions *Stream Restoration Partnership* - Project Team

Technical, management and executive staff participated on the Project Team, representing key stakeholders from state and federal agencies, non-governmental agencies and the private sector including:

Sponsoring Stakeholders:

The Freshwater Trust (formerly Oregon Trout) and Oregon Department of State Lands.

Non-Governmental Organizations – Landowner Coordinators and Funders

Network of Oregon Watershed Councils; Oregon Association of Conservation Districts; Jubitz Foundation; Meyer Memorial Trust; Willamette Partnership; Defenders of Wildlife; The Nature Conservancy; Bonneville Environmental Foundation.

Private Sector

Individual agricultural producers; Parametrix; Port of Portland.

Federal Agencies

USDA Natural Resource Conservation Service; Northwest Power and Conservation Council; NOAA Fisheries Service; US Army Corps of Engineers; US Fish and Wildlife Service; BLM; US EPA; US Forest Service; USDA Farm Service Agency.

State Agencies

Oregon Department of Agriculture; Oregon Department of Environmental Quality; Oregon Department of Fish and Wildlife; Oregon Department of Forestry; Oregon State Governor's Office; Oregon Watershed Enhancement Board; Office of Regulatory Streamlining; State Historic Preservation Office; Oregon Department of Transportation; Oregon Department of Geology and Mineral Industries; Oregon Department of Land Conservation & Development.

Local Government

Association of Oregon Counties

Higher Education

Oregon State University - Institute for Natural Resources.

Summary of the Major Project Team Actions – February 2008 to January 2009

The Oregon Solution Project Team first met in February 2008 and agreed to ground rules for the project (*Attachment A*). The Team also reviewed and agreed on a set of initial Project Objectives (*Attachment C*). The Team met again 3 times to better understand and critique the StreamBank web tool and permitting process improvement opportunities, and to discuss implementation issues related to the StreamBank pilot projects and DSL/USACOE permit development.

At the subsequent team meetings the stakeholders reviewed, discussed and agreed on more specific objectives for a series of StreamBank pilot projects to be lead by The Freshwater Trust (Oregon Trout) in April 2008 (*Attachment D).* Concurrently, the Project Team supported the development of a coordinated permit (USACOE RGP/ DSL GA) for large wood and boulder placement.

At the January 2009 Project Team meeting, the 2008 StreamBank pilot projects and large wood and boulder placement permit process were reviewed and discussed in the context of next steps (Attachment E, Summary of Accomplishments and Funding to December 2008). A framework for the *Stream Restoration Partnership* (Figure 1) was presented to the Team along with an implementation plan (Attachment F) for two new projects for 2009: the creation of an Inter-agency Fish Passage Barrier Work Group and a proposed partnership between The Freshwater Trust and DEQ to implement additional pilot projects involving the StreamBank web tool approach.

Support Statements for an Oregon Solution *Stream Restoration Partnership* and Actions for an Implementation Plan

Preface to the Support Statements

This Declaration of Cooperation describes intentions and commitments to actions that support an Oregon Solution *Stream Restoration Partnership* to facilitate the effective and timely funding and permitting of voluntary restoration projects. While not a binding legal contract, the Declaration is evidence to and a statement of the good faith and commitment of the undersigned parties. The entities agree to undertake the following tasks. These commitments represent a public statement of intent to participate in the project, to strive to identify opportunities and solutions whenever possible, to contribute assistance and support within resource limits, and to collaborate with other Team members in promoting the success of the project.

To support implementation of a *Stream Restoration Partnership,* the following commitments have been assembled:

Governor's Natural Resource Office

The *Stream Restoration Partnership* that is emerging out of this Oregon Solutions project is an excellent example of collaboration leading to actions that simultaneously addresses economic, environmental, and community well-being. The Governor's Office created the Oregon Solutions approach to help address complex issues with effective, sustainable solutions. To this end, the Governor's Office will continue to support this project in concept and practice and in promoting, developing and coordinating needed administrative policy.

This support includes fostering a shared dialogue between the Partnership stakeholder groups and the Oregon Plan for Salmon and Watersheds Interagency Core Team on a regular, recurring basis to facilitate stakeholder feedback and suggestions for improvement in policy and practice to better implement the Oregon Plan and species conservation and recovery plans. This dialogue among non-governmental stakeholders, local government, and management staff from state and federal agencies involved with the Oregon Plan will bolster conservation and protection actions for the benefit of ESA-listed and at-risk species and their habitats. Exchange of information on what is working and what is not, and the provision of constructive suggestions for improvement for management staff consideration is afforded through this opportunity for shared dialogue.

We also recognize the need for improved, timely permitting processes for voluntary restoration projects as another strategy to facilitate and accelerate restoration. We encourage continuous improvement of permit process and the additional development of web-based software tools like

StreamBank that simplify and accelerate funding, permitting, implementing, and reporting of stream restoration projects, while maintaining the integrity of permit authorities.

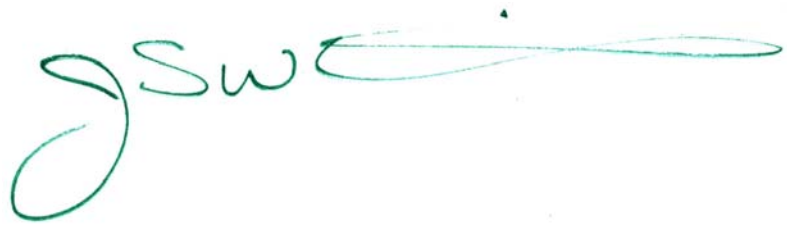
Michael Carrier, Governor's Natural Resources Policy Director

The Freshwater Trust *(formerly Oregon Trout)*

Oregon Trout understands the value of working and collaborating with project partners in advancing the objective of protecting and restoring freshwater ecosystems. Effective watershed restoration inherently involves multiple players, roles, jurisdictions, and approaches in addressing the core social, economic and ecological factors critical to overall restoration success, thereby making partnerships critical. Oregon Trout is committed to supporting such partnership approaches, and specifically, the organization is committed to new, solution-oriented and science-based approaches to gaining efficiencies in the advancement of stream restoration work, which we believe are essential to addressing the restoration needs of the state at a pace and scale that will be ecologically, socially, and economically meaningful. In support of the Oregon Stream Restoration Partnership project, The Freshwater Trust (formerly Oregon Trout) will:

- Provide leadership on this project including staffing support, utilizing our role as a non-governmental organization to the benefit of partnership objectives;
- Collaborate with partners to identify and pursue systemic changes designed to advance stream restoration efficiencies;
- Provide technical assistance, data sharing, and other assistance for software tools designed to support ecological restoration goals;
- Provide funds and staffing for the further development of StreamBank in a manner that serves the core purposes of (a) achieving real benefits for local project coordinator entities working with landowners in advancing stream restoration on-the-ground, (b) advancing the restoration-based objectives of public and private funders as well as regulatory entities in a manner that provides them administrative, policy, or technology-based advantages, (c) reducing the institutional barriers to efficiency in stream restoration within the funding and regulatory contexts while still satisfying funder/regulator requirements and advancing high-quality projects. Specific tasks include:
  - Develop StreamBank-linked electronic forms for Department of State Lands, Army Corps of Engineers and Oregon Department of Fish & Wildlife, and other regulatory entities as relevant;
  - Complete a prioritization process to be integrated into the StreamBank webtool, with direct involvement of and collaboration with key partners in shaping this approach;
  - Refine and improve webtool function based on feedback, including from local project coordinators, regulators, and funders;

  - Complete an RFP and provide funding for year 2009 StreamBank projects on-the-ground with local restoration coordinator entities across Oregon, and in partnership with funding and regulatory entities;
  - Provide lead staff for implementation of all components of the 2009 StreamBank implementation plan;
  - Continue to explore the connection of StreamBank and other technologies to the development of ecosystem service credit calculations and market development; and
  - Engage entities and efforts in the regulatory context to provide support and assistance in promoting stream restoration efficiencies, including the emerging fish passage barrier work, the passage of legislative or the advancement of administrative vehicles (GA/RGP/SLOPES/ or other programmatic efforts) that remove barriers and promote efficiencies.
- Complete a restoration video depicting the ecological and human side of restoration work, which will not only explain StreamBank but also the work of local project coordinators, landowners, agencies and the cause of stream restoration more generally;
- Support efforts being advanced by others that support or are consistent with the objectives of this project, including continuing to seek funding directly and support others grant applications for their participation in all aspects of the project;
- Work in partnership to undertake efforts and explore new or emerging pathways designed to improve the incentives for and/or attractiveness of broader cultural engagement of stream restoration and understanding of its outcomes (e.g., ecosystem services marketplace development, economic research, key areas of stream restoration research);
- Endeavor to move more private capital into the world of stream restoration.



Joe Whitworth, Executive Director

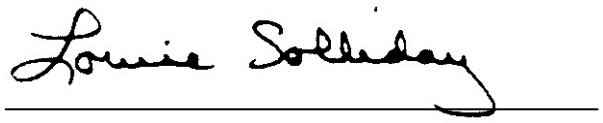
Oregon Department of State Lands (DSL)

The mission of the Department of State Lands (DSL) is to ensure a legacy for Oregonians and their public schools through sound stewardship of lands, wetlands, waterways, unclaimed property, estates and the Common School Fund. In accordance with this mission, DSL protects and conserves waterways and wetlands through administration of Oregon's Removal-Fill Law, enacted in 1967, as well as certain other statutes relating to activities involving removal-fill in waters of the state.

Under the Removal-Fill Law, the Department seeks to protect, conserve and ensure the best use of waters of the state, while protecting public navigation, fishery and recreational uses. Authorization is needed from DSL for most activities involving removal or filling of greater than 50 cubic yards of material in waters of the state. Waters of the state include rivers, intermittent and perennial streams, lakes, ponds, wetlands, estuaries and tidal bays (to the elevation of the highest measured tide) and that portion of the Pacific Ocean which is in the boundaries of the state. The volume threshold of 50 cubic yards does not apply in designated Essential Indigenous Anadromous Salmonid Habitat Areas (ESH) or in State Scenic Waterways. ESH streams contain fish species that have been listed as sensitive, threatened or endangered by a state or federal agency.

As a sponsor of this Oregon Solutions project, DSL will continue to provide leadership for the Project Team and will provide input and guidance on permitting restoration projects. DSL will:

- Continue working to improve regulatory processes especially with regard to creating a more applicant-friendly permit process by working with EPA grant funds, to the extent such funds are available, on the electronic permitting initiative.
- Coordinate with The Freshwater Trust and others to facilitate the use of web tools like StreamBank.
- Implement exemptions in 2010 for state removal-fill permits for certain voluntary habitat restoration activities and consider additional exemptions to take effect, through rulemaking, in 2011.
- Organize and carry out workshops around the State in the spring of 2010 to assist restoration proponents with designing, permitting and implementing restoration projects.
- Work with the USACOE to clarify permit exemptions under the Clean Water Act before the restoration workshops.
- Work with ODFW staff to finalize the Culvert Toolbox.
- Continue to work with the Oregon Plan for Salmon and Watersheds Core Team, including a renewed effort to partner with federal agencies, to encourage and facilitate the implementation of restoration projects.
- Continue to engage in discussions with other state, federal and local agencies on ways to encourage voluntary habitat restoration projects by facilitation of review and authorization process.
- Be guided in its participation throughout the Oregon Solutions process and any permitting discussions by applicable statutory and regulatory process.



Louise Solliday, Director, DSL

Oregon Department of Agriculture

ODA will provide leadership for the agriculture community with regard to riparian restoration and assign staff representation to work with Oregon Trout, DSL and the other stakeholders in a Stream Restoration Partnership. ODA will link its resources and programs through StreamBank and assist the work to cross-reference regulation and government program standards for agricultural water quality management plans.

ODA will:

- Provide technical assistance and input to the development of these tools, as appropriate.
- Advise landowners interested in developing projects and management plans on their property about the availability of these tools as a part of our outreach; and
- Help identify sources of funding for further development of tools to assist landowners with the technical, financial and regulatory needs to complete their conservation and restoration projects in a more efficient and effective manner.

Katy Coba, Director
Oregon Department of Agriculture

4-13-09
Date

USDA Natural Resources Conservation Service – Oregon

Since 1935, the Natural Resources Conservation Service (originally called the Soil Conservation Service) has provided leadership in a partnership effort to help America's private landowners and managers conserve their soil, water, and other natural resources.

NRCS employees provide technical assistance based on sound science and suited to a customer's specific needs. We provide financial assistance for many conservation activities. Participation in our programs is voluntary.

Dave Dishman, State Engineer, will be our lead contact to provide staff input and coordination with our offices for purposes of the *Partnership*.

In support of the *Stream Restoration Partnership* effort, to the extent possible, we intend to:

- Help clearly identify issues and needs of our offices, Soil and Water Conservation Districts, watershed councils and NGOs working with private landowners to accelerate the delivery of aquatic conservation and restoration projects.
- Provide objective feedback and input on what's working, what's not, and offer constructive suggestions for improvements.
- Evaluate and provide feedback on electronic permitting tools, the StreamBank web tool, the ODFW culvert toolbox and similar efforts to better use technology to make project design, implementation, monitoring and reporting more efficient and effective.
- Participate in the planning and delivery of technical assistance workshops with the Oregon Department of State Lands in 2010 as appropriate.
- Participate with the Oregon Plan for Salmon and Watersheds Core Team and Regional Implementation Teams, as appropriate, to help better deliver priority voluntary aquatic conservation and restoration projects for private landowners.

Ron Alvarado, Oregon State Conservationist

Oregon Association of Conservation Districts

For over 60 years, the Oregon Association of Conservation Districts (OACD) has served as the state wide association for Oregon's Soil and Water Conservation Districts. OACD believes that the Oregon Solutions Stream Restoration Partnership project is consistent with our interests to promote the conservation and wise use of the natural resources in the state of Oregon. In this regard, the Association supports federal and state agencies dedicating resources to developing, utilizing and improving upon the StreamBank and electronic permitting tools, *including how the tool can identify the best funding and technical assistance partners for landowners' projects.*

The Oregon Association of Conservation Districts will:

- Work with the Oregon Department of Agriculture and Natural Resources Conservation Service to provide training opportunities to Soil and Water Conservation Districts to increase the use of these tools.
- Provide technical assistance and input to further the development of these tools, as appropriate.
- Advise landowners interested in developing projects and best-practice management plans on their property about the availability of these tools as a part of District outreach; and
- Help landowners and project developers identify sources of funding for further development of tools to assist landowners with the technical, financial and regulatory needs to complete their conservation and restoration projects in a more efficient and effective manner.

Gary Whitney, Executive Director
Oregon Association of Conservation Districts

Meyer Memorial Trust

The mission of Meyer Memorial Trust (MMT) is to invest in people, ideas and efforts that deliver significant social benefit to Oregon and southwest Washington. The Trust seeks to invest in organizations and projects that utilize resources efficiently and effectively to enhance the quality of life in this region. MMT has supported many organizations dedicated to improving Oregon's streams, and is currently committing significant resources and energy to a multi-year strategic funding initiative focused on the Willamette River.

MMT was an early investor in the development of StreamBank, and has provided funding to Oregon Trout to complete StreamBank pilot projects with partners in the Willamette River Basin. We awarded a total of $150,000 for pilot restoration projects in 2008, $65,000 matched with other private resources and $85,000 matched with public resources.

MMT is committed to working with its Willamette partners and other funders to encourage expanded use of the StreamBank tool. We support the continued improvement and advancement of StreamBank as an important tool in accelerating the pace of stream restoration in the Willamette Basin and elsewhere.

Doug Stamm, Executive Director

Oregon Department of Geology and Mineral Industries

The Oregon Department of Geology and Mineral Industries is the lead regulatory agency for geologic resources (oil; gas; geothermal energy; metallic and industrial minerals; and sand, gravel, and crushed stone), with attention paid to environmental, reclamation, conservation, and related economic, engineering, and technical issues. The Department provides geologic data to assist in policy development through publications and release of electronic data, and through department participation in and coordination with state, federal, and local governmental natural resource agencies as well as with industry and other private sector groups.

The Department has a special interest in supporting the Stream Restoration Partnership as it relates to the current initiative to re-connect legacy quarry pits in the floodplain back to rivers and streams and prevent stranding of fish, particularly endangered and threatened salmonids, after high water events. The Department's efforts to support the Stream Restoration Partnership include:

- Providing GIS layers, maps and related information about the locations of legacy quarry pits.
- Providing technical assistance to public and private landowners desiring to re-connect pits to rivers and streams.
- Coordination with ODFW and other agencies to assure channel re-connections are appropriately designed, constructed and monitored considering both the needs of riparian and upland species.
- Working with regulatory agencies to improve the permitting process for restoration projects including legacy quarry pit reclamation and reconnection projects.

February 12, 2009

Vicki S. McConnell, Director **Date**

Network of Oregon Watershed Councils

The Network of Oregon Watershed Councils supports continued development, utilization and improvement of the StreamBank and electronic permitting tools, including how the tools can identify the best funding and technical assistance partners for watershed restoration projects.

The Network of Oregon Watershed Councils will:

- Help disseminate information to local Watershed Councils about the ongoing development, availability and utility of the StreamBank tool;
- Support Watershed Councils in their efforts to develop watershed restoration projects with landowners using the StreamBank tool as appropriate;
- Keep Watershed Councils informed about ongoing developments with regard to the Oregon Solutions process and this project, including putting information on our website;
- Continue to support Watershed Councils in their efforts to provide feedback and input to the development of the StreamBank tool; and
- Help identify sources of funding for further development of StreamBank to assist Watershed Councils with the technical, financial and regulatory needs to complete their conservation and restoration projects in the most efficient and effective manner possible.

John Moriarty, Executive Director

2/15/09
Date

Oregon Department of Forestry

The Oregon Department of Forestry intends to participate as a stakeholder and collaborate where possible to implement the Stream Restoration Partnership. In support of leveraging resources and implementing the Partnership, and subject to available funding, the Department will:

- Work as a conduit of information regarding opportunities for private landowners, operators and others to participate in restoration projects. This will include distributing web-based, print and other material relating to stream restoration.
- Provide information to and coordinate with other participating agencies and organizations as needed.

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Marvin Brown, Director

Willamette Partnership

INCREASING THE PACE, EXPANDING THE SCOPE, AND IMPROVING THE EFFECTIVENESS OF CONSERVATION

May 4, 2009

Commitments for the Stream Restoration Partnership

These commitments represent a public statement of intent to participate in the project, to strive to identify opportunities and solutions whenever possible, to contribute assistance and support within resource limits, and to collaborate with other Team members in promoting the success of the project.

Willamette Partnership

The Willamette Partnership is a coalition of diverse leaders working to shift the way people value, manage, and regulate our environment. We believe naturally functioning ecosystems form the cornerstone of livable communities and a healthy, sustainable economy.

We are committed to developing innovative conservation tools—tools that will deliver broader conservation results, at a lower cost, and with less conflict than traditional approaches. We support StreamBank and improvements for processing restoration permits electronically as tools that can help do this. In this regard, we will coordinate with the Department of State Lands, Freshwater Trust and our other partners to:

- Communicate and support this Oregon Solutions project as an integrated and strategic effort that can increase the pace, scope, and effectiveness of conservation.
- Attract private investment to conservation to help achieve our goal of enough investment that the ecosystem will be significantly restored;
- Serve as a link to the activities of the Willamette Partnership, including the Ecosystem Marketplace;
- Develop an interface to the StreamBank tool that will assist landowners interested in developing, registering and selling ecosystem services credits in conjunction with their restoration project;

Sincerely,

David Primozich
Executive Director
Willamette Partnership

2550 SW HILLSBORO HWY., HILLSBORO, OR 97123 (503) 681-5112

Oregon Department of Fish and Wildlife

The department recognizes the potential of the Oregon Stream Restoration Partnership. Therefore, in support of this project and subject to available resources, the department will:

- Provide technical support for future restoration projects
- Provide information about and technical assistance for the department's landowner assistance programs, which promote voluntary conservation of Oregon's fish and wildlife resources
- Consider providing funds to the Project through available incentive programs consistent with department and program goals
- Participate on the Fish Passage Barrier Work Group and provide context for the department's legislative responsibilities under the Salmon and Steelhead Recovery Plan

Roy Elicker
Director

12/21/09
Date

Parametrix

Parametrix will support this Oregon Solutions Stream Restoration Partnership project by measuring the ecosystem services gains that result from the StreamBank pilot projects in 2009 and 2010. Parametrix will apply its EcoMetrix environmental accounting software to score the uplift in ecological functions associated with stream restoration (e.g., aquatic temperature regulation, habitat formation, aquatic connectivity, soil stability, aquatic cover, and streambed stability). The scoring will provide Oregon Solutions, The Freshwater Trust, permitting agencies, and interested land managers with a tangible measure of benefits that StreamBank projects provide in the way of natural capital. Measuring these benefits in standard units of trade is the first step towards developing the marketplace infrastructure required to attract large-scale investment to ecological restoration.

(signed)
Damon Hess

Oregon Department of Environmental Quality

The Oregon Department of Environmental Quality recognizes the value of a web-based software tool like StreamBank that aims to simplify and accelerate the process of funding, permitting, implementing, and reporting on stream restoration projects without sacrificing quality of outcomes. The Department also recognizes the need for expedited permitting processes for restoration projects that require state and federal permits. To the extent possible, GIVEN FUNDING AND RESOURCE CONSTRAINTS, the Department will:

* Provide technical support and provide Section 401 permit reviews as appropriate for pilot projects; (Our ability to deal with this will be based on existing workload and staff resources.)

* Consider working with the Department of State Lands and the US Army Corps of Engineers in Implementing expedited review processes for restoration permits.

* Consider REVISIONS to Section 401 review processes for restoration projects as appropriate;

* Help identify potential EPA grant opportunities to support work related to the development of the StreamBank web tool and e permitting.

In 2009, the Department approved a Clean Water Act Section 319 joint grant application from The Freshwater Trust to implement three (3) watershed restoration projects using the StreamBank web tool. DEQ will continue to consider 319 grants to support The Freshwater Trust work and use of the StreamBank tool.

Dick Pedersen, Director

US Army Corps of Engineers - APPROVED DRAFT

The U.S. Army Corps of Engineers, Portland District has supporting members with expertise in Corps' regulatory process. The District staff support the development of a streamlined web-based application and reporting process that results in good projects receiving expedited approvals.

The Corps will:

- Expedite permit reviews as appropriate for the StreamBank pilot projects;
- Coordinate with the Department of State Lands on the development of Regional General Permits for restoration projects;
- Provide staff support to help the Oregon Solutions project team develop electronic permitting processes that will expedite restoration projects.
- Consider implementing a new, expedited review processes for restoration permits based on the 2008 StreamBank pilot project experience;
- Work with project partners to better understand how cultural resource reviews might be expedited for restoration projects.

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Regulatory Brach Chief

NOAA National Marine Fisheries Service

NOAA Fisheries supports the development and implementation of integrated habitat and ecosystem restoration tools. NOAA Fisheries will participate in the Oregon Solutions Stream Restoration Partnership effort by providing expertise in the ESA including section 7 consultation and recovery planning. NOAA Fisheries will provide information to:

- Identify streamlined and programmatic approaches to ESA consultations for consideration in Stream Bank application.
- Discuss methodologies for prioritizing, monitoring, and evaluating restoration actions.

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Kim Kratz, State Director

FIGURE 1

Rev. 11/4/09

OREGON SOLUTIONS

Stream Restoration Partnership

Purpose: Delivering Enhanced & Accelerated Restoration Projects For Landowner Coordinators and Private Landowners

StreamBank: A Web Based Tool for Restoration Projects

Goals:

1. Dramatically accelerate the pace and scale of stream restoration by lowering barriers to action.
2. Produce economic and ecological positives for communities, landowners, and investors.
3. Ensure streams stay fixed through monitoring, maintenance and engaging the next generation of watershed stewards.

Interact as Appropriate

E-permitting

1. E-forms (including redesign of forms) to make it easier to fill out forms and share information.
2. Purse development of on-line application tools for better facilitation of regulatory processes
3. Access to application resources (maps, examples, help)

Interact as appropriate

Improved permitting options for restoration projects

→ Large wood & boulder placement GA/RGP (2008)
→Clarification of various regulations affecting fish passage projects.
→Fish passage barrier removal guide/toolbox (2009 planned)
→ Development of additional GA/RGPs or other approval "tools" for other restoration project types

Leveraging of Resources

DSL develops w/ some input from Freshwater Trust.
Products facilitate StreamBank permitting function

Sharing of technology/resources

Interagency Coordination

FUNDING (PRIVATE & PUBLIC STAKEHOLDERS)

- Enhanced private and public funding for restoration project implementation
- Integration of funders' priorities & project criteria for greater leverage

THE FRESHWATER TRUST

Business Model Development:

- Web tool design, operation & maintenance
- For use by landowner coordinators (watershed councils, SWCD, Riverkeepers, etc.)
- Restoration Project prioritization (recovery plans, TMDL's, conservation plans, etc.)

PERMITTING (OREGON DEPT OF STATE LANDS)

Regulatory Process Improvements:

DSL is working to create a more applicant-friendly permit process by:

- Clearly identifying what is needed from, and expected of, applicants and providing resources to help navigate the permitting process.
- Making the process commensurate with size and scope of the project and as possible minimizing hurdles, duplication and bureaucracy
  - Emphasis on providing options that facilitate certain restoration project types to successfully and efficiently make it through the various regulatory processes (clarifying or expanding exemptions, coordination with other regulators, developing new permitting options).

Federal, State & Local Regulatory Partners

- Assist in clarifying regulations and standards for restoration action types.
- Facilitate development of processes, standards, or programmatic approvals to aid in permitting of acceptable restoration designs.

Attachment A: Ground Rules

The partners in the Oregon Solutions process are committed to the following "ground rules" for how they conduct their business with one another in this collaborative process. These ground rules will guide the process of achieving an integrated solution and the creation of a Declaration of Cooperation. The Oregon Solutions team adopted the ground rules at the first meeting on February 22 2008.

StreamBank Project Team Member Ground Rules

The Project partners in the Oregon Solutions process are committed to the following "ground rules" for how they conduct their business with one another in this collaborative process. These ground rules will guide the process of achieving an integrated solution and the creation of a declaration of cooperation.

Draft presented at the first team meeting:

General Principles

- We agree to approach problems with humility and adaptability. We will inevitably make mistakes and we will learn from these mistakes, make corrections, and not place blame.
- We recognize that we each have a unique perspective and contribution to make, whether it is expertise, labor, money, in-kind services, etc.
- We recognize that we must work to involve any person or group who could help us or hinder us from achieving our goals.
- We agree to focus on taking incremental "do-able" steps towards success.

Ground Rules

1. We recognize that the best outcome depends upon cooperation and collaboration by all entities at the table.
2. We commit to openly communicate ideas, potential contributions, and concerns, and also to engage in respectful, active listening to each other.
3. We are willing to creatively explore real solutions. We won't "talk around the barn."
4. We agree to commit to the agreed-upon solution, in whatever way we can. If we, individually, are unable to make a commitment for our organization, we will work to identify the person that can and determine if the commitment is possible.
5. We commit to building trust by doing what we say we will do, over and over.
6. We agree to notify each other before taking outside actions that might impact the process. (This does not mean that we will provide information that it would be inappropriate to share in a public venue.)
7. We agree that everyone shares in the solution, everyone shares in the credit.
8. The convener and project staff commit to ensuring that this process does not result in "just a bunch of meetings."

Attachment B:
Project Team Contact Information

Oregon Solutions Stream Restoration Partnership			1/28/2010
Representing	**Team Member**	**E-mail**	**Phone Number**
Convener	Ken Bailey	ken.bailey@orchardviewfarms.com	541-298-1481, ext. 307
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Attachment C:
Project Objectives

StreamBank Objectives

February 2008
Draft

Oregon Solutions

2008

A. Implement Stream Restoration Projects

1. Solicit and select project applications

2. Fund, permit and execute 20 restoration projects across the state (using private and public funds through StreamBank)

Project types to consider:
- Large wood, boulder or gravel placement (DSL GA-permitted)
- Culvert removal or replacement
- Riparian invasive weed removal
- Riparian planting with native vegetation
- Fence construction
- Off-channel watering

3. Secure public and private funds for project work
- Address agency funder needs and comfort level with partnership funds
- Address needs of other partners regarding funding comfort (prioritization, source of funds, etc.)

B. Advance Expedited Permitting

1. Work with regulatory entities to explore expediting permits in coordination with 2008 non-wood and boulder StreamBank pilot projects. Use the Oregon Solutions process and the narrow 2008 pilot project scope to give agencies security in exploring expedited permitting for other restoration actions with a low-risk approach. (They may not need to set any precedents outside of this 2008 experiment.)

2. Work to ensure DSL, COE, NOAA, USFWS and ODFW have a coordinated approach to large wood and boulders that will truly expedite the process for the end user
- Clarify what is and is not covered by new SLOPES, RGP, DSL GA and other ongoing agency work, where gaps or a lack of coordination exist in agency approaches and standards
- Make application forms consistent
- Standardize reporting
- Address cultural resource efficiency issues
- Assess need for additional Programmatic Biops and NEPA
- Get SLOPES approved

C. Develop StreamBank Tool

1. Develop "single entry" system for landowners to apply for funding, permitting, contracting, reporting, and monitoring

2. Assess whether the StreamBank tool delivers funds to projects in a manner that meets the requirements of agencies and funders

3. Establish and prioritize data and GIS integration needs and opportunities for:
- E-permitting
- Project monitoring
- Aligning with the Oregon Conservation Strategy and other assessments and restoration priorities
- Syncing and exchanging data with the Conservation Registry, the Oregon Explorer, the Nature Conservancy, the Wetlands Conservancy (and others?)

4. Assess ongoing operation and maintenance needs for the StreamBank tool

2009 and beyond

A. Continue Developing StreamBank Tool

- Develop additional tools for landowners to access habitat restoration and ecosystem market opportunities.

- Advance expedited permitting (including e-permitting) for additional types of restoration projects

- Advance data and GIS integration and links and data sharing with conservation partners

- Develop and implement an operation and maintenance plan for StreamBank

OREGON SOLUTIONS

Attachment D

2008 *StreamBank*® Pilot Project Objectives (4/2008)

1. Web tool Functionality--test each restoration action-type in the webtool (planting, invasives removal, large wood placement, engineered log structures, off-channel watering, fencing, culverts), including new functions, refinements from 2007 pilot feedback, and other changes from local coordinator, agency, and funder feedback to date.

2. Expose the web tool to a wider variety of local coordinators and a wider geographic landscape. Get more experience and feedback from a greater diversity of users.

3. Work with local landowner coordinators to demonstrate and further assess the effectiveness of StreamBank's one-stop-shop approach in addressing their capacity issues related to project:

- design,
- management,
- maintenance,
- monitoring, and
- any other gaps that may currently go un- or under-funded

Identify efficiencies in project advancement through single source funding by evaluating total implementation time, transaction time and quality evaluation, as compared to local coordinator experience running the same or similar projects through the traditional funding system.

4. Integrate a permitting approach that lends itself to increased efficiency while still addressing regulatory requirements. Engage the new GA, RGP, SLOPES IV permitting and consultation process for certain large wood and boulder projects; and to the extent possible, move electronic permitting forward (at least to the point of electronic application form completion) with 2008 projects. Use the 2008 pilots to:

- get feedback on the new DSL GA / COE RGP and joint application form,
- determine next steps, including permitting tools needed by the 2009 season.

5. Explore how this approach can increase efficiency for other restoration actions and use the 2008 pilots as a path-finding exercise in shaping the approach to expedited permitting for additional restoration projects.

6. Work with regulatory agencies and funders to better understand and include at least the following in project prioritization criteria:

- limiting factors,
- watershed assessments / recovery/subbasin plan information, and
- project design criteria.

Use this feedback to refine the web tool's prioritization approach(es) going forward, including linkages with data sources and other web-based efforts.

7. Attract a greater number of public and private funders to support the funding efficiency approach envisioned by StreamBank. Engage them in pilots in a way that addresses their concerns and requirements necessary to securing partnerships for 2009.

Attachment E:
Summary of Accomplishments and Funding to December 2008

Accomplishments realized in 2008 include:

- The Department of State Lands (DSL) completed a unique General Authorization (GA) for the placement of large wood, boulders and spawning gravels. This GA was developed in conjunction with the US Army Corps of Engineers (USACOE) to work in concert with the Corps' development of a Regional General Permit (RGP) for similar activities. This effort has created a set of standard eligibility criteria and compatible project conditions. A newly developed joint DSL/Corps application form has been developed specifically for this authorization. The GA and RGP are consistent with NOAA's Standard Local Operating Procedures for Endangered Species (SLOPES IV) and meet conditions imposed through a USFWS review.

    - Summary of the RGP/GA for Stream Habitat Restoration in 2008

        - On May 1, 2008, DSL adopted the new GA.
        - On August 1, 2008 the Corps adopted the RGP.
        - DSL issued 23 permits to 8 applicants.
        - Average turn around of 8.6 days (7-13).
        - Sent out survey on 9/18 to all 8 applicants. Received written feedback from 4 applicants that they like the format/process.
        - Feedback from DSL and Corps staff shows support for this permit approach and electronic permitting design.
        - State Historic Preservation Office and US Fish & Wildlife Service addendums for standardized location maps (quads) and species present have been requested.
        - Developed the framework and support for pursuing additional expedited permits for restoration activities going forward. Corps/DSL are committed to pursuing the next RGP - early 2009 (Jan/Feb).

    - Electronic Permitting in 2008
        - Developed new forms for large wood, boulder and gravel placement application. These have been made electronic through StreamBank but not yet available to all.
        - Developed a Memorandum of Understanding with Oregon Trout to share/leverage each others work (99% complete)
        - Developed a Statement of Work for additional software development (90% complete).
        - Currently working with other application forms using similar format (starting with fish and wetland restoration GA) and plan to have most if not all in place by Feb 1, 2009. The new format will facilitate conversion to e-permitting and tie in better with other programs (ODFW, Oregon Plan, USACOE, etc).
        - Began writing online manual and working on website revisions to facilitate information sharing and e-permitting.

- Oregon Trout directed further development of the StreamBank web tool using $2.7M of private funds to date.

    - StreamBank dramatically expanded in 2008 to 18 pilot projects throughout the state with total project budgets of over $800,000. When these projects are finished in December 2008, their impact will be wide. Although the positive results of these projects will extend well beyond the immediate area, the direct benefits to freshwaters include:
        - 5 culverts removed or replaced, opening up 3.3 miles of stream for fish passage.
        - 13,930 feet of fencing to keep out livestock out of 14.1 acres of riparian area
        - 223 pieces of large wood to provide fish habitat along 12,400 feet of stream
        - 649,000 square feet, or 14.9 acres, of invasive species removal
        - 11 off-channel watering sites installed, removing livestock pressure from 18,680 linear feet of stream
        - 14,150 native trees and shrubs planted along 21,200 feet of stream – a total of 13.25 acres of riparian area planted
        - 1 alcove restored, 3600 square feet in size
        - 1 mile of stream returned to its historic channel
        - 1 engineered log jam to provide fish habitat and reduce streambank erosion

    - Functionality was added to the StreamBank web tool by incorporating links to the DSL electronic application form for large wood, boulder and gravel placement projects. The electronic application is currently available through the StreamBank web tool. Complete functionality awaits DSL / CoE adoption and construction of e-permitting, which in turn ties to the Memorandum of Agreement that has been crafted between OT and DSL.

- Parametrix applied its EcoMetrix credit calculation software to four of the StreamBank pilot projects to measure the ecological gains these projects produced to calculate ecological uplift for each site attributable to the restoration project. EcoMetrix provides a credit calculation methodology used in distilling restoration actions to specific units of measured ecological gain. StreamBank provides the technological apparatus and supply of restoration projects needed to support these calculations. Overall, this ties to the development of an ecosystem services marketplace, with the potential for incentivizing restoration work to a greater degree.

Funding to 12/2008

$2.7 million 2006-2008 for StreamBank development from foundations and corporate philanthropists:

- Compton Foundation
- Jubitz Family Foundation
- Meyer Memorial Trust
- Private funders

2008 Pilot project funding included:

- Bandon Dunes--$200,000--any project type but limited to the South Coast region (defined as: Subbasin HUC #'s 17100 301 to 306; 308; 310; 312; and Watershed HUC # 17100 30708, and Subbasin HUC # 180101)
- Jubitz Family Foundation--$250,000--anywhere in Oregon on any project type. Money drawn from this source only if other private buckets are empty or are excluded from a given project location / type.
- Meyer Memorial Trust--$150,000 total--anywhere in the Willamette system or its tributaries (defined as Basin HUC # 170900) with the following sub-restrictions:
    - 1. $85,000 for projects that have an existing public $$ match
    - 2. $65,000 for projects that have an existing private funder $$ (including Weyerhaeuser Co.)
- Bella Vista Foundation--$26,000 restricted to projects in the John Day Basin (defined as: Basin HUC # 170702)

The DSL work in 2008 was funded by a US EPA grant.

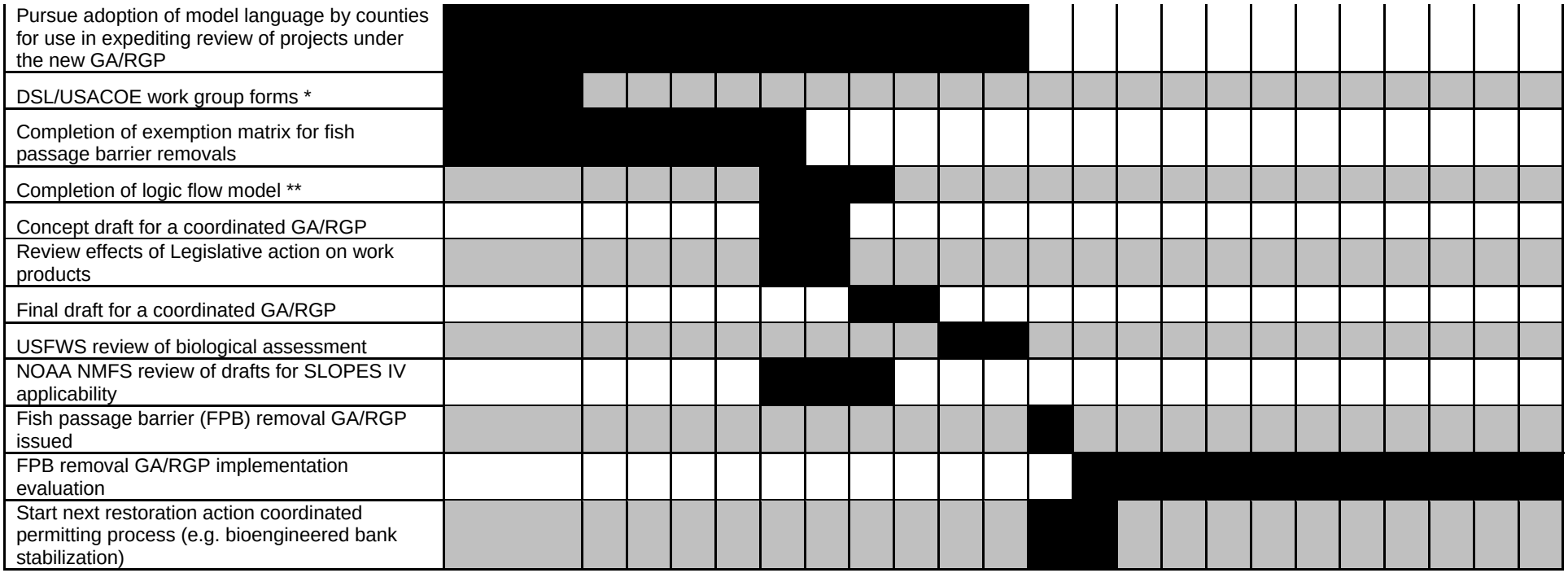
Funding Commitments going forward in 2009:

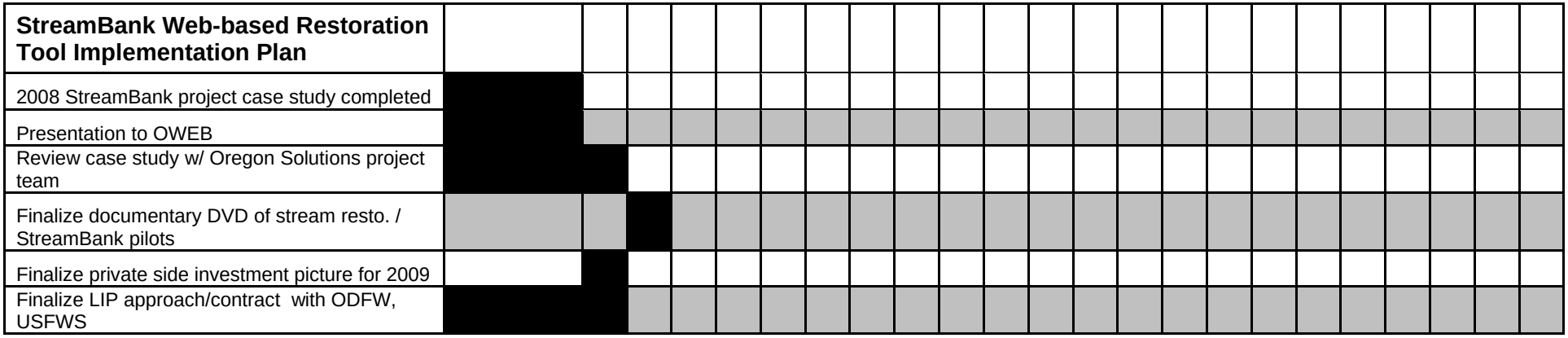
- ODFW/USFWS $189,000 LIP award.
- DEQ 319 grant application pending.
- Private funders (unspecified).

Attachment F:
2009 Implementation Plan – Tasks & Timeline

STREAM RESTORATION PARTNERSHIP	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09	Oct-09	Nov-09	Dec-09	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10
DSL Strategy for E-Permitting & Process Improvement																							
Complete Phase 1																							
Start Phase 2																							
Deploy new E-Form applications																							
On-line Permitting Assistance/Resource Library	----------																						
* Website improvements																							
* Complete backbone for an on-line removal/fill guidelines manual																							
* GIS tools & resources - phase 1																							
On-line File/Application Management Tool - initial phase																							
Expedited General Authorizations (see below)	----------																						
* LWBP GA/RGP implementation evaluation																							
General Permits - 2007 Legislative authority pilot phase																							
Rule Revisions - reorganization & update																							

DSL Coordinated Restoration Permitting Timeline																							
Expedited General Authorizations																							
LWBP GA/RGP implementation evaluation																							


Pursue adoption of model language by counties for use in expediting review of projects under the new GA/RGP
DSL/USACOE work group forms *
Completion of exemption matrix for fish passage barrier removals
Completion of logic flow model **
Concept draft for a coordinated GA/RGP
Review effects of Legislative action on work products
Final draft for a coordinated GA/RGP
USFWS review of biological assessment
NOAA NMFS review of drafts for SLOPES IV applicability
Fish passage barrier (FPB) removal GA/RGP issued
FPB removal GA/RGP implementation evaluation
Start next restoration action coordinated permitting process (e.g. bioengineered bank stabilization)


StreamBank Web-based Restoration Tool Implementation Plan
2008 StreamBank project case study completed
Presentation to OWEB
Review case study w/ Oregon Solutions project team
Finalize documentary DVD of stream resto. / StreamBank pilots
Finalize private side investment picture for 2009
Finalize LIP approach/contract with ODFW, USFWS

DEQ 319 grant--notification, finalize approach, project agreements	
Determine ecosystem serv. pilot linkage / Counting on Environ.	
Advance future partnership opportunities for 2010 / beyond (NOAA, MMT, NRCS, OWEB, USFWS, etc)	
2009 StreamBank project solicitation	
StreamBank projects selected, web tool engaged.	
2009 StreamBank project implementation	
Logic flow model for fish passage barrier removal projects available	
Web tool revised for fish passage barrier exemptions	
Fish passage barrier removal GA/RGP available	
Web tool revised for fish passage barrier GA/RGP	
Web tool available for 2010 fish passage barrier projects	
Prioritization scheme for StreamBank web tool	
Revise web tool to integrate prioritization scheme	
Revise web tool to capture Data Sharing Group efforts	
Develop permitting assistance / education component of web tool--(broader than fish passage)--synthesizing existing programmatics and developing others where possible / needed	
Identify, document, explore options re. legislative or administrative change needs to address one-stop-shop efficiency issues around funding, permitting, reporting, etc	

APPENDIX

Selected Definitions

Definitions in ORS 541.351

"*Adaptive management*" means applying management or practices over time and across the landscape to achieve site specific resource goals using an integrated and science based approach that results in changes over time in response to feedback or monitoring.

"*Associated uplands*" includes those lands of a watershed that are critical to the functioning and protection of a riparian area.

"*Oregon Plan*" means the guidance statement and framework described in ORS 541.405.

"*Protect*" or "*protection*" means to minimize or mitigate adverse effects on salmonid and habitat to the maximum extent practicable given the anticipated duration, geographic scope and primary purpose of proposed activities.

"*Restore*" or "*restoration*" means to take actions likely to achieve sustainable population levels of native fish or wildlife and their habitats.

"*Riparian area*" means a zone of transition from an aquatic ecosystem to a terrestrial ecosystem, dependent upon surface or subsurface water, that reveals through the zone's existing or potential soil-vegetation complex the influence of such surface or subsurface water. A riparian area may be located adjacent to a lake, reservoir, estuary, pothole, spring, bog, wet meadow, muskeg or ephemeral, intermittent or perennial stream.

"*Stewardship*" means the careful and responsible management of the environment.

"*Watershed*" means the entire land area drained by a stream or system of connected streams such that all streamflow originating in the area is discharged through a single outlet.

From DSL:

"*Habitat Restoration*" means the return of an ecosystem from a disturbed or altered condition to a close approximation of its ecological condition prior to disturbance.

"*Voluntary*" means activities undertaken by a person of their own free will, and not as a result of any legal requirement of the removal-fill law (ORS 196.600 – 196.990

From USFWS (adapted):

"*Net conservation benefit*" – A determination used by the USFWS Oregon Office when considering whether to expedite Section 7, ESA, regulatory review of habitat and species restoration projects when the sole or primary intent of the project is restoration or recovery. The determination considers the following:

a. The type of project and its likelihood of succeeding relative to risks it may pose.

b. The relative need for the project (e.g. is it a high recovery priority).
c. The previous experience and success of the project proponent or program.

From NOAA NMFS:

"*Limiting factor*" - Physical, biological, or chemical features (e.g., inadequate spawning habitat, high water temperature, insufficient prey resources) experienced by the fish at the population, intermediate (e.g., stratum or major population grouping), or Evolutionarily Significant Unit levels that result in reductions in viable salmonid population (VSP) parameters (abundance, productivity, spatial structure, and diversity).

"*Locally developed recovery plan*" - A plan developed by state, tribal, regional, or local planning entities to address recovery of a species. These plans are being developed by a number of entities throughout the region to address Endangered Species Act as well as state, tribal, and local mandates and recovery needs.

"*Population bottlenecks*" - The most significant limiting factors currently impeding a population from reaching its desired status. Bottlenecks result in the greatest relative reductions in abundance, productivity, spatial distribution, or diversity and are defined by considering viability impairment across limiting life stages and limiting factors.

"*Recovery plan supplement*" - A NMFS supplement to a locally developed recovery plan that describes how the plan addresses ESA requirements for recovery plans. The supplement also proposes ESA de-listing criteria for the Evolutionarily Significant Units addressed by the plan, since a determination of these criteria is a NMFS decision.

"*Recovery strategies*" - Broad sets of actions that address limiting factors and threats and are intended to lead to achieving recovery goals or de-listing criteria.

"*Threats*" - Human activities or natural events (e.g., road building, floodplain development, fish harvest, hatchery influences, volcanoes) that cause or contribute to limiting factors. Threats may be caused by the continuing results of past events and actions as well as by present and anticipated future events and actions.