

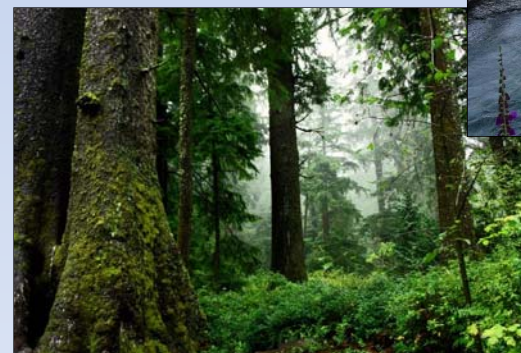


S-TEK Subcommittee 2014 Highlights & 2015/2016 Implementation Plan

November 5, 2014
Steering Committee Meeting

Frank Shipley, Chair, S-TEK Subcommittee
Mary Mahaffy, Science Coordinator

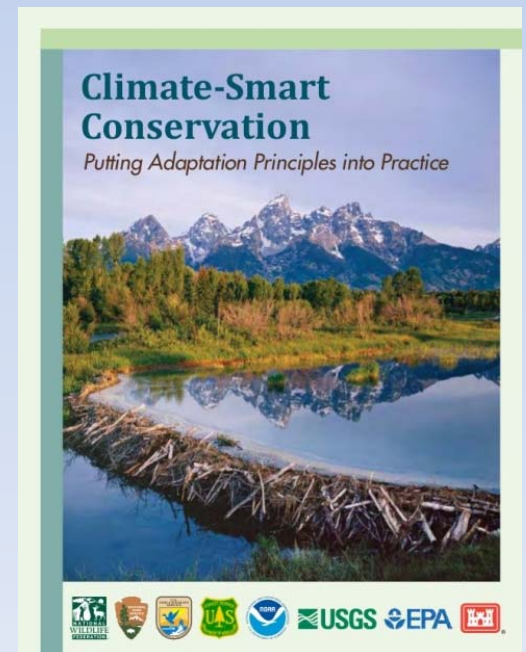
Karen Jenni, Insight Decisions





S-TEK – 2014 Highlights

- Refinement of Priorities/Focus
- Project selection and management
- Communications
- Adaptive learning





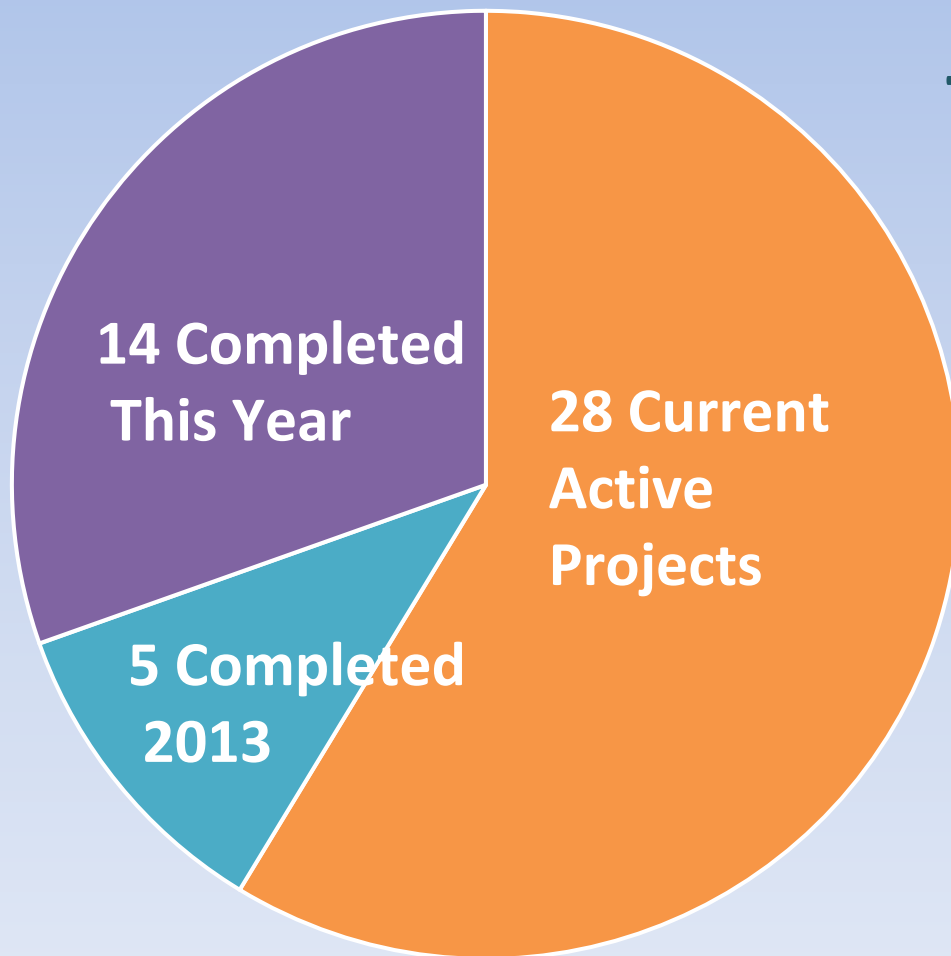
Refinement of Focus

- Critical for planning:
 - Bring managers and scientists together
 - Highlight their activities/decisions
 - Management issues & concerns
- 2014 S-TEK Strategy Implementation Plan





NPLCC Projects



Total = 47



Project Management & Accountability

- Project Tracking
- Data Management Plans
- Reporting

A screenshot of a web-based project management application. The interface shows a form for a project titled "SageSTEP Long-term Ecological Monitoring Network". Key fields include "shorttitle" (Sage STEP), "Project Owner" (Great Northern Landscape Cons), "startdate" (8/27/2010), and "enddate" (12/31/2013). The contact is listed as "McIver, James" at "Oregon State University". The form also includes sections for "Funding" (Grant), "Cost Codes", and "Funding Comments". A table at the bottom shows a list of cost codes with columns for "costcodeid", "fundingid", "costcode", "startdate", and "enddate". The interface is complex with many dropdown menus and input fields.

Website: Projects Resources Page



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NPLCC Sponsored Projects

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Each year, the NPLCC funds a variety of projects addressing its partners' science and information needs. We partner with other organizations to support high-priority projects, often leveraging funding in creative ways and accomplishing work that would otherwise not be possible. Project outcomes are intended to spark interest and action and develop tools and models to facilitate successful conservation, management and climate adaptation planning.

[Webinars](#)

[Key S/TEK Documents](#)

[NPLCC Funding Announcements](#)

[Partner Resources](#)

Conservation Planning Atlas

[View the Atlas](#)

Discover, visualize and analyze landscape-scale data through the NPLCC's new, dynamic [Conservation Planning Atlas](#). We invite stakeholders throughout the NPLCC range and beyond to visit the CPA, search for spatial data sets, visualize results of NPLCC-funded projects, and learn about landscape-scale conservation science and design. The CPA is constantly being expanded through user contributions and completion of new projects. We encourage you to explore the CPA, contribute to the vast array of content, and join the NPLCC in cultivating a one-stop-shop for landscape data in the North Pacific Region

[Fact Sheet](#)

[Video Introduction to the CPA](#)



Website: Sponsored Projects



U.S. Coastal Waters Forec... Web Slice Gallery



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EVENTS ▾

PROJECTS/RESOURCES ▾

NPLCC BUSINESS ▾

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NPLCC Sponsored Projects

~\$2 M invested

Projects by Category

- Conservation Planning and Design
- Decision Support Tools and Data
- Monitoring and Modeling
- Population and Habitat Assessments
- Traditional Ecological Knowledge
- Vulnerability Assessment

Projects by Year Funded

- 2011
- 2012
- 2013
- 2014

Projects by Geography

- Alaska
- British Columbia
- California
- NPLCC Wide
- Oregon
- Washington

North Pacific LCC | 510 Desmond Dr. SE, Suite 102 Lacey, WA 98503 | Contact Us



About the NPLCC Conservation Planning Atlas

The North Pacific LCC Conservation Planning Atlas is a data discovery, visualization, and analytical platform for stakeholders throughout the NPLCC area. With the CPA you can search for spatial datasets, visualize NPLCC supported projects, and learn more about landscape scale conservation science and design in the region.

[More Information...](#)

[Take a Tour](#)

Coastal and Marine Resources



Freshwater Resources



Climate Change



Anadromous Resources



Featured Items



[Gallery](#)

NPLCC Priorities Tool



[Gallery](#)

North Pacific Climate Change Avian Vulnerability



[Gallery](#)

Transboundary Land Cover Mapping



[Gallery](#)

North Pacific Forest Landscape Connectivity

[See More...](#)

NPLCC Land Cover and Protected Areas



This map represents an overview of the North Pacific LCC geography and some of the



Adaptive Learning

Expansion of projects:

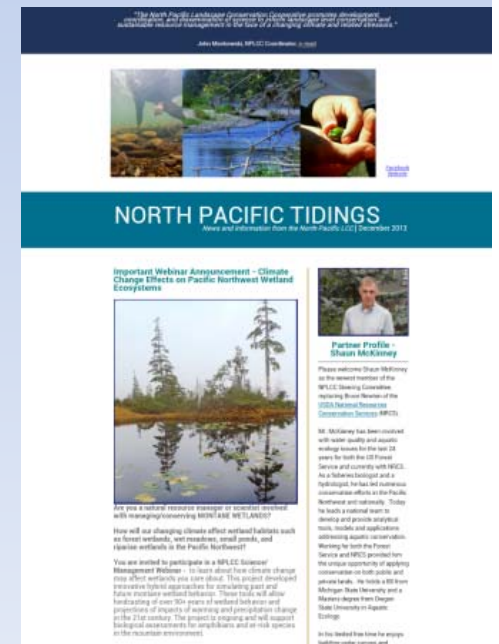
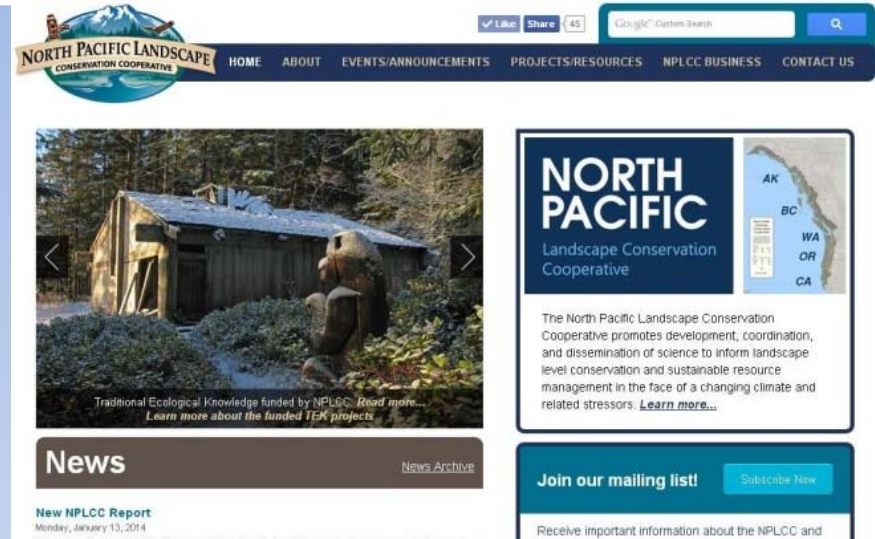
- Univ. WA vulnerability assessment project in BC (funded in 2011/completed 2014) – workshop added in 2015
- Humboldt Bay Sea Level Rise project (funded in 2011/completed 2014) – workshop added in 2014





Communicate & Share Information

- Website
- Science/Management Webinars
- Newsletters
 - Climate Science Digest
 - North Pacific Tidings
- Social Media
 - Facebook, Twitter, YouTube
- Conferences/workshops/trainings



NorthPacificLcc.org



2015 Implementation Plan/ Activities

- Updated content for the Implementation Plan
 - To date, the Implementation Plan had focused only on identification of potential projects
 - New and future Implementation Plans will describes all the activities that support the S-TEK strategy
- RFP Schedule for 2015 projects & other activities





NPLCC Charter

Mission

7 NPLCC Objectives

S-TEK Strategy

5 Priority Topics

Four Guiding Principles

Conservation and sustainable resource management goals and objectives



S-TEK Implementation Plans

- Refine direction (as necessary)
- S-TEK actions and funding priorities (annual)
- Adaptive learning (ongoing)
- Communication (ongoing)



1. Refine S-TEK direction

- All S-TEK work is guided by the foundational documents and strategies (previous slide)
- As/if those strategies are updated, S-TEK direction may need to be refined
- In the next year:
 - “Step down” from the Conservation and Sustainable Resource Management Goals to identify *measurable* objectives
 - *Measurable objectives will connect to adaptive learning and project evaluation*



“If you don’t know where you’re going, you might wind up someplace else” – Yogi Berra



2. 2015 S-TEK Actions and Funding Priorities

- Areas of focus specify the types of work associated with each Priority Topic that would be most useful to the partnership in the near-term
- Activities are defined for each area of focus as a more specific way of carrying out the work of the NPLCC
 - Activities identified in the annual implementation plan form the basis for direct support- or RFP-initiated projects



9 Areas of Focus for 2015-2016

- See Table 1 distributed separately
- The first three areas of focus were evaluated by the S-TEK as high priority for most Priority Topics
- The remaining six were evaluated as high priority for a narrower set of Priority Topics
- “High priority” =
 - Likely to produce management and decision-relevant information or tools
 - Useful for multiple/many NPLCC partners
 - Particularly useful if started “now”

Yellow color shows Activities unlikely to be conducted without NPLCC support	Priority Topic A: Effects of hydrological regime shifts on rivers, streams, & riparian corridors	Priority Topic B: Effects of changes in air temperature & precipitation on forests	Priority Topic C: Effects of changes in sea levels & storms on marine shorelines, the nearshore, & estuaries	Priority Topic D: Effects of changes in the hydrologic regime on anadromous fish	Priority Topic E: Invasive species, diseases, & pests & their effects on biological communities
Cells with both colors highlight area where collaboration and joint project funding might be particularly beneficial					
Data and information synthesis and sharing. Identify, compile, collate and integrate existing data and information concerning climate impact data and modeling, monitoring, and monitoring networks, TEK, etc. Focus areas include addressing special cross-border challenges; linking information and data across disciplines and habitats, and providing the information and data to decision makers in a way that makes it useful to them. (Information and data sharing to be as desired by Tribes / First Nations for TEK).	Yellow	Yellow	Yellow	Yellow	Yellow
Assess vulnerability and resilience of resource(s) to projected climate change. Identify critical stressors, valued/necessary resources (including Tribal and First Nations valued resources, corridors and refugia, etc.), anticipated changes, and locations of more vulnerable and less vulnerable resources. Include consideration of the effects of multiple stressors on the resource(s)		Blue/Yellow	Blue/Yellow	Blue/Yellow	Blue/Yellow
Further clarify decision-maker needs for S-TEK information. Convene managers, scientists, and tribes to discuss specific sub-topics; review and summarize existing planning documents, etc. Identify management decisions and actions, share information on existing data, models, etc.; identify gaps and common needs	Yellow	Yellow	Yellow	Yellow	Yellow
Identify indicators of change: focal indicators, processes or thresholds that can serve as indicators of change, can be used to track climate change impacts, and can be used to assess the effectiveness of management actions (to indicate where changes in management actions may be necessary).	Blue/Yellow				Blue/Yellow
Conduct, support, or facilitate landscape conservation planning exercise(s) in a particular geography or region			Yellow		
Develop tools and/or assist partner entities in applying existing tools to identify and inform managers of high priority conservation and/or restoration targets (species, locations, etc.).			Yellow	Yellow	
Conduct or support adaptation planning exercises to assist management decisions related to specific sub-topics, considering uncertainties in future climate / climate impacts. Identify how restoration activities and strategy development can/should be modified to account for climate-related changes (E.g., scenario planning exercises, triage analyses, contingency planning, etc.)		Blue/Yellow			
Conduct or support stakeholder outreach by the NPLCC or by NPLCC partners. Goals of such outreach activities could include: communicating information on projected impacts to interested stakeholders; supporting with local community planning by conveying information on local impacts and on the availability of adaptation and mitigation actions, etc. Could include workshops, meetings, or other approaches.					Yellow
Improve information on how climate change will affect linkages between ecological and human resources (including tribal and First Nations subsistence activities)				Yellow	



2015 Activities / Funding Priorities

Note: All NPLCC-funded activities should have management application and broader implications or lessons

Activity	Proposed funding mechanism
1. Support the use of vulnerability assessments / resilience studies in adaptation planning and implementation <ul style="list-style-type: none"> • Priority Topics B, C, and D 	RFP (see end of presentation for RFP schedule)
2. Improve information on how climate change and associated adaptation actions will affect linkages between ecological and human resources <ul style="list-style-type: none"> • Potentially focus on Priority Topics A and/or D 	RFP (see end of presentation for RFP schedule)
3. Data and information sharing and synthesis (all Priority Topics) <ul style="list-style-type: none"> • Includes (but not limited to) ongoing support for the data management platform 	Salary / contract / agreement
4. Conduct, support, or facilitate landscape-scale conservation planning exercise(s) in a particular geography or region <ul style="list-style-type: none"> • Sea level rise and estuaries (Priority Topic C) in the northern portion of the LCC 	Salary / contract / agreement



3. Adaptive Learning

- NPLCC is no longer “new” – we need to pay attention to what we are learning from work funded previously
- Evaluate quality and impact of past / ongoing projects
 - Project accountability
- Identify lessons learned and opportunities to extend previous work
 - Additional investments to past projects to improve relevance and use
 - Identifying new areas of focus based on results of earlier projects (e.g., TEK, workshops focused on decision-maker information needs)





Adaptive Learning in 2015 S-TEK Implementation

- Implement the approved Project Accountability Plan
- Implement project tracking system
- Develop framework for evaluating benefits, use, and lessons-learned from past projects
 - Begin using that framework
- Identify a few areas where additional investment could dramatically improve project relevance and use



4. Communication

- S-TEK work must be appropriately communicated if it is to have an impact on resource management
- Communication of project results is included as a project requirement in RFPs
 - History suggests this is an area in which PIs could use help
 - S-TEK considers this a key part of ensuring project benefit



Communication in 2015 S-TEK Implementation

- Work closely with NPLCC Communication Specialist and the Communications sub-committee
- S-TEK to focus on:
 - Identifying opportunities during project implementation to raise awareness of the work
 - E.g., S-TEK “liaison” for each project funded in 2015
 - Promoting / helping project PIs communicate project results
 - To natural resource managers
 - To NPLCC partner entities



S-TEK 2015 Timeline

Workgroups Formed:

- RFP
- Measurable Objectives
- Project Evaluation

Pre-Proposal Review & Selection

Develop Draft Measurable Objectives

Develop project Evaluation Criteria

RFP Released
Pre-Proposals

S-TEK In-Person Meeting

Full Proposal Development

Full Proposal Review & Selection

Develop Funding Recommendations



Develop 2016 Implementation Plan & Start 2017-2021 Strategy

Evaluate Existing Projects





2015 RFP

- Anticipate lower overall project funding availability
- RFP for projects focused on two of 2015 activities:
 - Support the use of vulnerability assessments / resilience studies in adaptation planning and implementation (esp. for Priority Topics B, C, and D)
 - Improve information on how climate change and associated adaptation actions will affect linkages between ecological and human resources (potentially focus on Priority Topics A and/or D)
- Will request/require that all proposals
 - Address who will use project result and how they will use it
 - Identify specific partners who are interested in the project
- S-TEK subcommittee will draft the RFP text
- **Steering Committee approval/comments requested in approximately 3 weeks – vote by email**



Questions/Comments



Schedule for Identifying Projects

What	Who	When
Draft RFP(s)	NPLCC Staff, with support from S-TEK	First call week of 11/10
Issue request for pre-proposals	NPLCC Staff	12/3
Preproposal development	Researchers & Managers	12/3 – 1/14
Preproposal review and selection	NPLCC Staff and S-TEK support; Steering Committee approval	1/19 – 2/16 2/16 – 3/8
Full proposal development	Researchers & Managers	3/8 – 4/6
Proposal review and selection	NPLCC Staff and S-TEK support; Steering Committee approval	4/8 – 5/6 5/8 – 5/31
Agreements in place	NPLCC Staff	June, 2015