

All specific dates and deliverables will be contingent on available funding

Priority Actions and Performance Measures for Watershed Protection

Water Temperature and Flows

Priority Actions

- Determine baseline conditions for water temperature and flows by ____.
- Design and establish monitoring protocols to track changes for water temperature and flows at the watershed scale and project level scale by ____.

Outcomes

- Base flows increase
- Summer-time base flow water temperature decreases

Water: Sediment and Fish Barriers Contributed by Roads, Trails, and Infrastructure

Priority Actions

- Conduct a road survey by February 2016 to evaluate forest roads and assess whether they meet forest practice rule standards.
- Conduct an analysis of the Teaway road and trail network to determine the amount of sediment delivery to streams using the Washington Roads Sediment Model (WARSEM) by February 2016.
- Develop an assessment tool to identify priority projects by April 2016. Update and re-run the assessment tool as projects are completed and new information becomes available.
- Develop a work plan to implement the highest priority projects by May 2016.
- Complete identified fish passage barrier removals by September 2021
- Complete identified sediment delivery projects by September 2021

Performance measures

- Number of fish passage barriers removed
- Linear feet of stream opened to fish movement
- Number of improvements applied (surfacing, crossings, traffic controls, drainage, vegetation, road decommission/abandonment, etc)
- Number of culverts removed, replaced, newly installed

Outcomes

- Fish passage is un-obstructed by roads and trails in streams and rivers within the TCF
- Decrease in modeled sediment delivered to streams from the baseline

Interruption of Natural Stream Migration (floodplains) and wetlands by Roads, Trails, and Infrastructure

Priority Actions

- Determine where stream channel migration is inhibited by roads, trails, and infrastructure by February 2016.
- Determine where roads, trails, and infrastructure have reduced the wetlands ability to hold, filter, and release water by February 2016.
- Develop a work plan to implement the highest priority road/trail realignment and abandonment projects by May 2016.

Performance measures

- Number of sections of roads or trails abandoned or realigned out of floodplains or wetlands.

Outcomes

- Natural stream migration and wetland function is unimpeded by the road, trail and infrastructure network.

Priority Actions and Performance Measures for Working Forests

Forest Habitat Improvement

Priority Actions

- Develop a short-term forest management activity schedule by **May 2016**. Identify immediate restoration needs based upon the current inventory of forest habitat.
- Develop a long-term forest management activity schedule by **May 2018**.
 - Conduct a forest inventory to determine the current structure and composition of the forest
 - Identify potential distribution of future forest habitats based upon the soils, site productivity, slope, aspect, disturbance history, and climate.
 - Develop a long-term restoration schedule to improve forest conditions by modifying the structure and composition of the forest.
- Identify sub-watershed where tree age and density do not meet hydrologic maturity standards (sub-basins 1,000 acres in size maintain 50% of forested areas with trees 25 years or older in a well-stocked condition) by June 2019.

Performance measures

- Number of acres of forest treated to enhance watershed protection, forest health, fish and wildlife habitat.
- Net revenue generated by the sale of timber and wood products to improve forest stewardship.

Outcomes

- Improvement in percent of forest habitat meeting the structure and composition identified in the forest management activity schedule.

- Increase in the number of watersheds that meet hydrologic maturity standards (greater than 50% of acres in all sub-basins hydrologically mature)

Forest Fire Risk Reduction

Priority Actions

- Assess current fire risk by May 2016.
- Evaluate ignition probability, fuel loads, and location of valued resources.
- Identify priority projects to reduce the risk of damage to valued resources.
- Develop a work plan of management actions to implement priority projects by June 2016. Continue to re-assess and re-evaluate as projects are completed and new data becomes available.

Performance measures

- Number of acres of forest treated to enhance watershed protection and forest health.
- Reduction in risk of high-severity fires that could damage valued resources.

Performance Measures for Grazing

Livestock Grazing

Priority Actions

- Develop a schedule for sustainable domestic livestock grazing by March 2016
- Utilize an interagency and interdisciplinary team to develop a rangeland and riparian adaptive management program that includes steps on monitoring for impacts and making changes to practices by March 2016. The program will monitor both Teaway-wide and site-specific conditions including priority streams, restoration sites, and release and pick-up sites.
 - Conduct annual surveys on stream bank alteration, riparian vegetation, and upland and meadow condition within select areas and along priority streams.

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- Inventory livestock stream crossings and determine if these are proximate to historic salmonid spawning grounds or suitable spawning habitat by October 2016.
- Inventory existing range improvements and determine the need for additional improvements in order to protect watershed health and improve rangeland health by October 2016.
- Survey existing fences and assess their suitability and need for current management by October 2016.
- Implement range improvement projects to protect watershed health and fish and wildlife habitat and improve rangeland health by May 2016. Continue to monitor to determine if additional actions are needed.
- Locate appropriate stream crossings locations by March 2017. Monitor to determine if inappropriate crossings are being used and restore those areas.

Performance Measures

- Number of stream crossings relocated, removed, or improved
- Number of range infrastructure improvements added (off-channel watering sites, low-moisture molasses blocks, exclusion zones, etc.).
- Linear feet of fencing (and other infrastructure) removed or added.
- Number and type of projects to protect aquatic, riparian, and wetland habitat

Outcomes

- Restoration of riparian areas and meadows in areas identified as being impacted by domestic livestock grazing.
- Increased opportunities for livestock to graze areas away from meadows and riparian areas.

Priority Actions and Performance Measures for Recreation

Recreation Planning

Priority Actions

- While the recreation plan is being developed, use of the community forest shall be guided by the interim rules currently in place.
- Develop the recreation plan by December 2016.
 - 1) Pre-planning: develop project scope, identify data collection need, etc.
 - 2) Identify Issues and Concerns: Establish Recreation Planning Committee, Conduct User survey, Hold public meetings
 - 3) Recreation Land Suitability: Identify and map areas with long-term limiting factors, Conduct field trips
 - 4) Assessment: evaluate and discuss suitability maps, develop concepts for recreation management
 - 5) Alternatives: Refine recreation concepts into one recommended plan, develop objectives and strategies for the plan, develop an implementation approach
 - 6) Conduct SEPA review
 - 7) Adopt Plan
- Within recreation planning, determine appropriate limits to commercial recreation use of the forest, campground size, and large-event size
- Upon adoption of recreation plan, the agencies, with input from the Advisory Committee, shall update these performance measures with additional ones based on the plan.
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Performance Measures

- Completed deliverables from the Recreation Plan:
 - Concept map with facilities and primary use areas over-layered on the suitability maps
 - Prioritized deliverables project list broken out by phases
 - Objectives with strategies to complete them.
- Recreation activities do not impact cultural or archaeological resources.

Priority Actions

- Develop materials (maps, handouts, etc.) for recreation user education by April 2016.
- Develop a network of volunteers for restoration, education, and self-policing by April 2016.

Performance Measures

- Ongoing inventory and survey of users. Categorize by type of users.
- Number of users contacted and educated about recreation.
- Number of rec groups involved in volunteer events and number of volunteers
- Volunteer hours in trail user education, forest watch, eyes in the woods, trail maintenance

Outcomes

- Increase in compliance with regulations.
- Decrease in abuse of facilities and resources (such as illegal trails, mudding areas, vandalism, etc.)

[Trail Network](#)

Priority Actions

- Conduct the Goal 1 target addressing sediment and fish barriers caused by trails.
- Conduct a survey of trail conditions, assess restoration needs, and develop a work plan for priority projects by April 2016.

Performance Measures

- Number (and linear feet) of trail upgrades (bridges, drains, etc.)
- Number of trails that are incompatible with watershed protection that are abandoned and restored.

[Recreation Infrastructure](#)

Priority Actions

- Identify improvements to campgrounds and other developed areas needed to meet public safety and health and develop a list of priority projects by November 2015.

Performance Measures

- Number of campground and other infrastructure enhancements

Outcomes

- Campgrounds and other developed areas provide safe access to and opportunities for recreation in the community forest.
- Access to river, trails, and campgrounds satisfies the needs of users and meets the requirements of watershed health and fish habitat.

Performance Measures for Aquatic Habitat

In-stream, Lakes, Riparian, Wetlands, and Floodplains

Priority Actions

- Coordinate partners interested in habitat restoration to ensure strategic investment in permitting, planning, funding, and communications by February 2016.
- Survey aquatic habitat in priority streams to assess baseline condition (pools, spawning gravel, bedrock exposure, LWD, riparian cover, floodplain connectivity, etc.) by February 2016.
- Initiate early habitat restoration project on the highest priority stream by February 2016.
- Develop a restoration work plan for priority streams by April 2016.
- Survey priority riparian, wetlands, and floodplain meadows associated with priority streams to assess baseline conditions by December 2016.
- Develop a restoration work plan for priority riparian, wetland, and floodplain meadow projects by April 2017.
- Periodically reassess priority stream designations as part of the adaptive management process.

Performance measures

- Number and linear feet of stream restoration projects
- Number and linear feet of riparian restoration projects
- Number and acres of wetland restoration projects
- Number of stream miles and acres returned to their floodplain
- Number of acres of riparian vegetation responding to restoration
- Number of new beaver dam complexes
- Number of stream miles and floodplain acres positively influenced by beavers

- Number of new pools created
- Number of linear feet of new spawning gravel established
- Number of new redds
- Reduction in unnatural levels of sediments as a result of stream restoration projects.

Priority Actions and Performance Measures for Wildlife Habitat

Mature fir forest habitat

Priority Actions:

- Determine existing and potential mature, multi-story fir forest habitat, preferred by the northern spotted owl, by December 2017.
- Identify critical areas to maintain or restore habitat corridors by December 2017.
- Develop management actions to maintain existing habitat for interim period while producing future spotted owl habitat where ecologically appropriate by June 2018.

Performance Measures:

- Number of acres of forest treated.
- Increase in acres of habitat for the northern spotted owl.
- Change in plant community composition from baseline.

Dry Pine/Douglas fir forest habitat

Priority Actions:

- Determine existing and potential dry pine/Douglas fir habitat of the forest by December 2017.
- Develop management actions to maintain existing habitat or restore where ecologically appropriate by June 2018.

Performance measures:

- Number of acres of forest treated.
- Increase in acres of dry pine/Douglas fir habitat
- Change in plant community composition from baseline

Upland Meadows

Priority Actions:

- Survey upland meadows and assess their condition by _____.

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- Identify critical areas for restoration and protection and activities that will achieve that condition by ____.

Performance measures:

- Acres of meadow restored (seeding, planting, etc.)
- Acres of meadow protected
- Change in plant community composition from baseline

Fish and Wildlife Seasonal Concentration Areas

Priority Actions

- Identify the locations of fish spawning areas, wintering concentrations of big game, and den and nest sites of threatened or endangered species by September 2016.
- Develop measures to protect these areas from human and livestock disturbance by December 2016.
- Monitor locations and re-assess protection measures as part of adaptive management.

Performance Measures

- Sensitive areas are identified on a map by the agencies to use to direct future planning.
- Periodic updating of the concentration area map to avoid displacement or disturbance.

Priority Actions and Performance Measures for Community Partnerships

Community Partnerships

Priority Actions

- Advertise and select for advisory committee members by July 2015.

Performance Measures

- Track the number and types of partnerships, community forums, outreach efforts, and collaborative management efforts.
- Track cost, revenues, and staff hours by amount and type.

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- Recreation: Amount of recreation funds requested, acquired, received, and spent and percent of need that was met. Split out by category: education, enforcement, restoration, etc.
- Forestry: Track staff hours requested to manage the forest, and number received.
- Grazing: Track costs and revenue.
- Track volunteer hours, in-kind services, and leveraged funding used to achieve TCF Goals.