WASHINGTON STATE DEPARTMENT OF
Natural Resources

PETER GOLDMARK
Washington State Commissioner of Public Lands

July 25, 2011

To: Forest Practices Board

From: Marc Engel, Forest Practices Assistant Division Managers

Subject: Status of RMAP Recommendations and DNR Operations Plan Update

The Board, at their August 2010 meeting, accepted DNR's Adaptive Management Program's Forests and Fish Policy Committee recommendations for changes to the RMAP program. This memo provides a summary of Policy's recommendation for the operational plan and an updated status of how DNR is implementing those recommendations.

Policy Recommendation

Develop an operational plan to address RMAP related issues in a comprehensive manner. Elements of the operational plan will include: support for the rule change and amended reporting and compliance procedures; support to enhance and standardize the information gathering and reporting system; descriptions of expectations for completed RMAPs; enhanced communication and collaboration among DNR staff, RMAP reviewers, and landowners; and an agreement to collaboratively pursue sufficient funding to achieve results.

Program Response

Many of the components of the "operational plan" are incorporated into the revisions to the rules and/or board manual. Other components include development of a statewide data management system, which will enable DNR RMAP Specialists to better track progress of RMAP implementation and accomplishments as well as increase efficiency of on the ground compliance efforts.

DNR developed standardized data collection and reporting forms for landowners to submit as part of their annual accomplishment reports; this data will be used to build the RMAP data management system. As has been the case in the past, changes to RMAPs, annual accomplishment reports and work plans will be made available to reviewers on a regular basis; these should be easier to review in the future due to standardization across the state in addition to developing a web-based information site. DNR will continue to review/approve annual work plans in consultation with the Departments of Ecology, and Fish and Wildlife, affected tribes and interested parties.

The DNR Operations program underwent an evaluation of how RMAP data was collected, evaluated, and reported. Particular attention focused on implementation, consistency and standardization, including even-flow and worst-first assessment and tracking. Results from this in-depth evaluation identified a number of areas where the program can make improvements:

1. Apply consistent interpretation of accomplishment reporting elements – this has been implemented and is reflected in the 2010 Annual RMAP Accomplishment Report (attached);

2. Standardize data collection methods – this will be accomplished through the use of standardized reporting forms accompanied by detailed instructions;

3. Create a statewide GIS database for RMAP information, tracking, and reporting purposes – this database is currently expected to be completed by the end of this calendar year;

4. Improve data sharing and transparency with our stakeholders – RMAP Specialists within each Region are developing an outreach strategy for stakeholders to be completed by September 30, 2011; and

5. Add three additional annual accomplishment reporting elements in order to provide a baseline for improving evaluation of even-flow:

    i. Total number of fish passage barriers identified – this has been included in the 2010 Annual RMAP Accomplishment Report.

    ii. Total miles of forest road identified needing improvement – this will be reported as part of the 2012 Annual Accomplishment Report.

    iii. Percentage of road improvement completed by road management block.

DNR will implement the operation plan in several stages. The forms have been developed and will be available for use when the rule becomes effective, the GIS database target date is January 2012, and the requirement to report total miles of road identified needing improvement will be implemented beginning with the 2012 RMAP accomplishment report.

Please review the enclosed standardized RMAP forms to assist you in your review of the proposed rules and the Board manual. These forms were developed in consultation with all the stakeholder groups which helped DNR create a well thought out and thorough product.

If you have questions please contact me at (360) 902-1390 or marc.engel@dnr.wa.gov.

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Enclosures: Draft RMAP Forms
2010 Annual RMAP Accomplishment Report

Washington Forest Practices
Road Management and Abandonment Plan
Information and Instructions

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INTRODUCTION

The Road Maintenance and Abandonment Plans (RMAPs) process was developed as part of the Forest and Fish Rules in 2001. The planning process provides landowners with a method to evaluate their forest roads, identify areas that do not meet forest practices rule standards, and schedule needed upgrades and/or repairs to be completed by 2016. Large landowners are required to implement the RMAP process while small landowners can choose the RMAP process or comply with the small forest landowner road maintenance planning process (i.e., checklist).

An RMAP addresses roads constructed or used after 1974 through June 30, 2001. The purpose of an RMAP is to improve these roads to forest practices rule standards as defined in chapter 222-24 WAC Road Construction and Maintenance.

The most important question an RMAP answers is whether the forest roads being assessed meet forest practices rule standards (rule standards) as established by the Forest & Fish Report. There are four basic road categories tracked within an RMAP:

- Meets standards,
- Does not meet standards,
- Abandoned (actual and planned), and
- Orphan (road or railroad grade not used since 1974).

The Department of Natural Resources (DNR), in consultation with the departments of Fish and Wildlife and Ecology, affected Tribes and other interested parties, either approves or disapproves the RMAP.

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Once a road is improved to rule standards, a landowner's RMAP obligations are complete and generally only routine maintenance practices are needed to keep the road at that level.

In August (day) 2011 the Forest Practices Board adopted new rules and approved a revised Board Manual Section 3 for the RMAP process. The new rules:

- Provide landowners an opportunity to request up to five additional years to complete their RMAP work;
- Require landowners to use standardized forms; and
- Provide an opportunity for anyone to appeal the DNR's decision to approve or disapprove the extension request to the Pollution Control Hearings Board.

This document provides instructions and helpful information for those landowners using the RMAP process outlined in WACs 222-24-050 and 222-24-051.

GENERAL INFORMATION

Beginning September (day) 2011, a landowner with an approved RMAP may request up to five additional years to complete their RMAP obligations - this process is known as an extension request. See WAC 222-24-051(8) and Board Manual Section 3 for full details and requirements.

All extension requests and annual reporting must use DNR standardized forms.

Forms can be found on the Forest Practices website:
http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_forms.aspx
or can be obtained through one of the DNR region offices listed below.

Questions regarding the RMAP process can be directed to the Forest Practices program at one of the DNR region offices listed below.

DNR Region Offices (Business hours are 8:00 am to 4:30 pm Monday thru Friday)		
Southeast Region 713 Bowers Road Ellensburg, WA 98926 Tel: (509) 925-8510 Fax: (509) 925-8522 **Includes**: Adams, Asotin, Benton, Chelan, Columbia, Douglas, Franklin, Garfield, Grant, Kittitas, Klickitat, Skamania, Walla Walla, Whitman, and Yakima counties	Northeast Region 225 S. Silke Road Colville, WA 99114 Tel: (509) 684-7474 Fax: (509) 684-7484 **Includes**: Ferry, Lincoln, Okanogan, Pend Oreille, Spokane, and Stevens counties	Olympic Region 411 Tillicum Lane Fork, WA 98331 Tel: (360) 374-2800 Fax: (360) 374-5446 **Includes**: Clallam, north half of Grays Harbor, and Jefferson counties

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Pacific Cascade Region 601 Bond Road P.O. Box 280 Castle Rock, WA 98611 Tel: (360) 577-2025 Fax: (360) 274-4196 **Includes**: Clark, Cowlitz, south half of Grays Harbor, Lewis, Pacific, Thurston, Skamania, and Wahkiakum counties	South Puget Sound Region 950 Farman Ave. N Enumclaw, WA 98022 Tel: (360) 825-1631 Fax: (360) 825-1672 **Includes**: King, Kitsap, Mason and Pierce counties	Northwest Region 919 N Township St Sedro Woolley, WA 98284 Tel: (360) 856-3500 Fax: (360) 856-2150 **Includes**: Island, San Juan, Skagit, Snohomish, and Whatcom counties

SUBMITTING RMAPS

All forms except the Accomplishment Scheduling Worksheet are to be submitted on paper.

Use one or more of the formats below for submitting information on the Accomplishment Scheduling Worksheet.

- Geographic Information System (GIS) data (shapefile or ESRI ArcGIS file geodatabase)
- Microsoft Excel Spreadsheet
- Paper

Information can be sent to the appropriate DNR region office electronically (email or fax), U.S. mail, on a compact disc (CD) or digital versatile disc (DVD) or in person. The 'Request to Extend' form requires a landowner or landowner representative signature which will require the original to be mailed or delivered in person to the appropriate region office. Remember to retain copies for your records.

DNR will not consider an RMAP or RMAP extension request complete until all required forms and associated documentation (for example: maps) are received at the appropriate region office. When submitting forms and documentation in paper format, the information must be legible to allow for electronic scanning.

If you are unsure whether a Forest Practices Application/Notification (FPA/N) is required for road maintenance work proposed for the upcoming work schedule contact the region office in which your land is located.

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MAP REQUIREMENTS

For consistent reporting, use DNR Section Base Maps that can be printed from the Forest Practices Application Review System (FPARS) website and are also available at DNR region offices. Alternate base maps that include the following elements may be used:

- Township, range and section lines with identifying numbers,
- Contour lines appropriate to scale,
- Scale bar,
- North arrow, and
- Legend.

DNR will accept a range of maps (s) from 1:12,000 through 1:60,000 scale. The scale you choose should take into consideration the amount of detail shown on the map. Print maps on the standard size paper no larger than 11" x 17" to allow for copying and/or electronic scanning. If you would like to submit maps on larger paper, you must supply enough copies to be distributed to RMAP reviewers. Contact the appropriate Region RMAP Specialist if you decide to do this.

Extension request maps must include the following:

1. Current existing RMAP boundary as well as the boundaries of any area(s) for which you are requesting an extension.
2. All forest roads, identified as:
   a. Not meeting standard,
   b. Orphan,
   c. Abandoned (actual, planned and potential),
   d. Stream adjacent parallel roads, and
   e. Meets standards (by default these are roads not identified as a. through d. above).
3. All fish passage barrier locations.
4. All Type A and B wetlands adjacent to or crossed by roads as identified on DNR Forest Practices Wetlands GIS layer; and
5. All typed water as identified on DNR Hydrography GIS layer.

While not required, additional information such as replacing or removing undersized water crossing structures (non- fish) or other road work necessary to minimize sedimentation to typed waters or wetlands (sidecast pullback, surface water management, etc.) may be included on maps

Annual Accomplishment and Planning Report maps are required under the following circumstances:

- Locations of work accomplished and planned if latitude and longitude coordinates are not provided in the Accomplishment Scheduling Worksheet.
- Forest land sold or purchased.

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FOREST PRACTICES REQUEST TO EXTEND COMPLETION OF ROAD MAINTENANCE AND ABANDONMENT PLANS

Requests to extend completion of RMAPs can be made for up to 5 years, not to extend beyond October 31, 2021. Requests must be made no later than 2014 and at least one hundred twenty days prior to the plan's anniversary date.

Time Period for Extension Request (check year and provide month and day after year):
Indicate the completion date for your extension request by providing the year, month, and day that your road work will be complete.

Current RMAP Status for Extension Plan Area:
Provide specific information regarding the current status for the area in your approved RMAP that you want to extend. Provide the percent of total road improvement complete for each RMB and the percent anadromous fish barriers removed/fixed for each RMB.

How Many Acres will the Extension Plan Area Cover:
Enter how many acres within your RMAP extension plan area.

Total Length of your Forest Road(s) in this Plan:
Estimate the length in miles. Indicate on the form if reporting in feet. This includes the total miles of all forest roads submitted under a RMAP (both those already improved and those still needing improvement).

Total Length of Orphan Roads (roads and railroad grades not used since 1974):
Estimate the length in miles. Indicate on the form if reporting in feet. Orphaned roads are roads or railroad grades that have not been used for forest practices activities since 1974 per WAC 222-24-052(4). Inventory and assessment of orphaned roads will be used to help in the evaluation of the Hazard-Reduction statute and determine the need for cost-share funding (RCW 76-09-300).

Total Length of Orphan Road Segments Posing a Threat to Public Safety or Public Resources:
Estimate the length in miles. Indicate on the form if reporting in feet. Estimate the number of orphan roads that pose a risk to public safety or public resources in your extension area.

Total Number of Road Related Fish Passage Barriers:
Number of road related fish passage barriers that exist within your RMAP.
This is the number of known or potential road related fish passage barriers.

Total Length of Forest Road Needing Improvement:
Estimate the length in miles. Indicate on the form if reporting in feet. Estimate the miles of forest road needing improvement in your extension area. DNR will compare the length of road within the RMAP needing improvement to the length reported having been improved in the annual report to show progress towards completion of RMAP obligations.

Total Length of Forest Road Planned for Abandonment:
Estimate the length in miles. Indicate on the form if reporting in feet. Roads that have been reported to DNR by forest landowners as abandoned per WAC 222-24-052(3).

Total Road Improvement Complete by Road Management Block (RMB):
Enter the percentages of all road mile improved that have been completed for each RMB. If known, enter the percentage of all anadromous fish barriers removed / fixed on streams for each RMB.

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A Complete Extension Request must include this Form and a Revised RMAP:

- Map(s) showing extension area, locations of all work currently completed and work left to be completed. See map requirements section on page 4,
- Forest Practices Road Management Block Prioritization and Tracking Form,
- Routine Maintenance Practices and Storm Maintenance Strategy for Forest Roads under RMAP Obligation Form,
- Accomplishment Scheduling Worksheet, and

ROUTINE MAINTENANCE PRACTICES AND STORM MAINTENANCE STRATEGY FOR FOREST ROADS UNDER RMAP OBLIGATION

An updated routine maintenance and storm maintenance strategy must be submitted with an extension request. This form has two sections:

Routine Maintenance:
Check the practices that you commonly use. Add additional methods that you use in the comment section or attach on a separate sheet(s) of paper.

Storm Maintenance Plan:
Check the practices that you commonly use. Add additional methods that you use in the comment section or attach as a separate sheet(s) of paper. Be sure to identify your strategy before, during and after a storm.

FOREST PRACTICES ROAD MANAGEMENT BLOCK PRIORITIZATION AND TRACKING

The prioritization and tracking form is a required part of an extension request.

Landowners are required to reassess and prioritize all road management blocks (RMB) that will be included within an extension request. The prioritization assessment will help a landowner identify which RMB(s) have a higher risk to public resources based on a variety of factors (priority criterion). Each of the priority criteria is ranked based on the magnitude of the criterion within the RMB.

Road Management Block (RMB):
Enter the RMB identifier.

Estimated Length of Forest Roads in the RMB:
Estimate the length in miles. Indicate on the form if reporting in feet.
Enter estimated total road miles in the RMB.

Estimated Length of Forest Roads in the RMB Needing Improvement/Abandonment:
Estimate the length in miles. Indicate on the form if reporting in feet.
Enter estimated road miles in the RMB.

Assessed Priority Criterion:
Each priority criterion has a maximum value assigned which has been weighted based on significance of the criterion (values are 50, 40, 30, and 20). For each criterion, the RMB is ranked to reflect the magnitude of each criterion. There are five priority criterions:

- Presence of Threatened or Endangered Fish under State or Federal Law,
- Presence of Water Body listed on the Current 303(d) Water Quality Impaired List for Road Related Issues,

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- Sensitive Geology/Soils Areas with a History of Slope Failures,
- Number of Road Maintenance and Stream Restoration Projects, and
- Likely High Future Forest Practices Usage.

Presence of Threatened or Endangered (T&E) Fish under State or Federal Law:
The maximum value for this column is 50. If T&E fish species do not exist within the RMB enter 0. If T&E fish species are present, estimate the percent of total stream length within the RMB where they are present. Choose from one of the following percentage ranges listed below to determine the value to enter on the form under category A:

T&E species present	Value entered on form
Less than 25%	15
25 to 49%	25
50 to 75%	35
Greater than 75%	50

For more information on locations of T&E fish species go to Washington Department of Fish and Wildlife's SalmonScape web site: http://wdfw.wa.gov/mapping/salmonscape/index.html

Presence of water body listed on the Current 303(d) Water Quality Impaired List for Road Related Issues:
The maximum value for this column is 50. If the RMB does not contain 303(d) listed streams enter 0. If 303(d) listed waters are present estimate the percent of total stream length within the RMB where they are present. Choose from one of the following percentage ranges listed below to determine the value to enter on the form under category B:

303(d) listed waters	Value entered on form
Less than 25%	15
25 to 49%	25
50 to 75%	35
Greater than 75%	50

For more information on locations of 303(d) listed waters go to Washington Department of Ecology's web site: http://www.ecy.wa.gov/programs/wq/303d/2008/index.html

Sensitive Geology/Soils Areas with a History of Slope Failures:
The maximum value for this column is 40. If there are no sensitive geology/soils in the RMB enter 0. If sensitive geology/soils are present, estimate the percent of total acres within the RMB where they are present. Choose from one of the following percentage ranges listed below to determine the value to enter on the form under category C:

Sensitive geology/soils	Value entered on form
Less than 25%	10
25 to 49%	20
50 to 75%	30
Greater than 75%	40

For more information on sensitive geology/soils areas with a history of slope failures go to Washington Department of Natural Resources web sites listed below.

1) Forest Practices Application System (FPARS) Resource Map: **http://fortress.wa.gov/dnr/app1/fpars/** (Select the Resource Map for slope stability and soils information).

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2) Completed Landslide Hazard Zonation Projects:
http://www.dnr.wa.gov/BusinessPermits/Topics/LandslideHazardZonation/Pages/fp_lhz_completed.aspx
Landslide Hazard Zonation locations are listed. Click to get maps and report in an easy to open zip file.

3) Approved Watershed Analyses:
http://www.dnr.wa.gov/ResearchScience/Topics/WatershedAnalysis/Pages/fp_watershed_assessments.aspx

Number of Road Maintenance and Stream Restoration Projects:
The maximum value for this column is 30. If there are no road maintenance and stream restoration projects completed or planned in the RMB or located downstream of the RMB enter 0. Estimate total projects that are completed or planned for completion within the RMB or downstream of the RMB. Examples of restoration projects include fish passage restoration (man-made barrier removal), off-channel habitat, large woody debris (LWD) placement, Family Forest Fish Passage Program, or in-channel restoration projects. Choose from one of the following project ranges listed below to determine the value to enter on the form under category D:

Number of projects	Value entered on form
1 to 2 projects	7
3 to 4 projects	15
5 to 6 projects	21
7 or more projects	30

Habitat restoration information is available through WRIA meetings or the Washington State Recreation and Conservation Office's PRISM database:
http://www.rco.wa.gov/prism_app/about prism.shtml

In addition, area Tribes, regional fisheries enhancement groups, watershed councils, conservation districts and Natural Resource Conservation Service can provide information on local habitat restoration projects. Also, the Washington State Department of Fish and Wildlife may have information on projects located on specific ownerships.

Likely High Future Forest Practices Usage:
The maximum value for this column is 20. If there are no forest practices activities planned for the RMB during the timeframe of the RMAP, enter 0. If forest practices activity is planned during the timeframe of the RMAP, estimate the frequency within the RMB. Based on your estimate and the table below, rank the likelihood of high forest practices usage (based on harvest levels, high usage of forest roads, plantation maintenance, etc.). This is to include your best estimate of use by adjacent landowners on your forest roads, if known. Choose from one of the following activity ranges listed below to determine the value to enter on the form under category E.

Forest Practices Activity Frequency	Value entered on form
1 to 10	5
11 to 20	10
21 to 30	15
31 or greater	20

Sum of Assessed Priority Criterion Values:
Enter the sum of the values entered in the previous five columns by adding categories A+B+C+D+E as a total.

Number of Fish Passage Barriers:
Enter the remaining fish passage barriers to be removed/fixed within the RMB. If two or more RMBs are tied, this number can be used to determine the highest ranking in the RMB Priority Ranking.

RMB Priority Ranking:

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Rank each RMB based on the information entered in sum of assessed priority column with consideration also given to number of fish passage barriers remaining within the RMB. Rank each RMB in priority order using 1 as the highest priority. The priority will reflect the RMBs that have the highest risk to public resources.

RMAP ANNUAL ACCOMPLISHMENT AND PLANNING REPORT

The RMAP Annual Accomplishment and Planning Report is a required form for all landowners with an approved RMAP in 2012. Landowners who receive an RMAP extension are required to use the form.

RMAP Completion Year:
Enter the year that your RMAP work will be completed.

Check if there have been any changes due to lands being purchased, sold, exchanged, etc. since your last annual accomplishment report and attach maps.

Current RMAP Summary:
The information provided in this section should reflect the current conditions in the RMAP in addition to information about each RMB within the RMAP. This is a total of all work completed in the RMAP to date.

How Many Acres within this Plan:
Enter how many acres are included within your RMAP.

Total Length of your Forest Roads in this Plan:
Estimate the length in miles. Indicate on the form if reporting in feet. This includes all forest roads submitted under a RMAP (both those already improved and those still needing improvement). DNR will compare the length of road within the RMAP needing improvement to the length reported having been improved in the annual report to show progress towards completion of RMAP obligations.

Total Length of Orphan Roads in this Plan:
Estimate the length in miles. Indicate on the form if reporting in feet. Orphaned road miles as reported to DNR in industrial RMAPs. Orphaned roads are roads or railroad grades that have not been used for forest practices activities since 1974 per WAC 222-24-052(4). Inventory and assessment of orphaned roads will be used to help in the evaluation of the Hazard-Reduction statute and determine the need for cost-share funding (RCW 76.09.300).

Total Length of Orphan Road Segments Posing a Threat to Public Safety or Public Resources:
Estimate the length in miles. Indicate on the form if reporting in feet. Estimate the miles of orphan roads that pose a risk to public safety or public resources in your extension area.

Total Number of Forest Road Related Fish Passage Barriers:
Enter the number of road related fish passage barriers that exist within your RMAP.

Total Length of Forest Road needing Improvement or Abandonment:
Estimate the length in miles. Indicate on the form if reporting in feet. Estimate the miles of forest roads needing improvement or abandonment.

Total Road Improvement Complete by Road Management Block (RMB):
Enter the percentages of all road mile improved that have been completed for each RMB. If known, enter the percentage of all anadromous fish barriers removed / fixed on streams for each RMB.

Work Completed Since Last Annual Plan:
Indicate all work that has been completed since your last annual report.

Total Length of Road Improvement Completed:
Estimate the length in miles. Indicate on the form if reporting in feet.

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For RMAP purposes, an improved road or road segment is where action has been taken to address issues associated with:

- Number of fish passage barriers removed/fixed,
- Delivery of sediment to typed waters,
- Existing or potential instability that could adversely affect public resources,
- Roads or ditch lines that intercept ground water, and
- Roads or ditches that deliver surface water to any typed waters.

These actions are only associated with existing roads built prior to July 2001. They shall meet the current Forest Practice Rule requirements identified in the landowners plan or subsequently discovered within the time period associated with an approved RMAP.

Total Length of Road Abandonment Completed:
Estimate the length in miles. Indicate on the form if reporting in feet. Roads that have been reported to DNR by industrial forest landowners as abandoned per WAC 222-24-052(3).

Total Length of Orphan Road Abandonment and/or Improvement Completed:
Estimate the length in miles. Indicate on the form if reporting in feet.
Orphaned road miles as reported to DNR in industrial RMAPs. Orphaned roads are roads or railroad grades that have not been used for FP activities since 1974 per WAC 222-24-052(4). Inventory and assessment of orphaned roads will be used to help in the evaluation of the Hazard-Reduction statute and determine the need for cost-share funding (RCW 76-09-300).

Total Length of Orphan Road Abandonment Threat that has been Mitigated:
Estimate the length in miles. Indicate on the form if reporting in feet. Enter the total miles of orphaned roads that posed a threat to public resources and have been mitigated since the last annual plan.

Total Length of New Roads Added to the Plan (purchase, land exchange, etc. since last annual report):
Estimate the length in miles. Indicate on the form if reporting in feet. Enter the total miles of new roads added to plans that have been purchased and not currently part of your RMAP since the last annual report submitted. This includes lands that have been exchanged.

Total Number of Fish Passage Barriers Removed/Fixed:
Enter the total number of fish passage barriers removed/fixed since the last annual plan. This number is intended to show progress towards completion of RMAP obligations.

Approximate Stream Miles Opened for Fish Passage:
Enter the number of miles of stream opened for fish use after fish passage barrier removal or replacement.

Work Proposed for Upcoming Year's Work:
Enter a summary of work that is planned in the upcoming year that is identified in your RMAP schedule.

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Total Length of Road to be Improved:
Estimate the length in miles. Indicate on the form if reporting in feet. Enter the total miles of road to be improved for the upcoming year.

Total Length of Road to be Abandoned:
Estimate the length in miles. Indicate on the form if reporting in feet. Enter the total miles of road to be abandoned for the upcoming year.

Total Length of Orphan Road to be Abandoned and/or Improved:
Estimate the length in miles. Indicate on the form if reporting in feet. Enter the total miles of orphaned road to be abandoned and improved for the upcoming year.

Total Number of Fish Passage Barriers to be Removed/Fixed:
Enter the total proposed number of fish passage barriers to be removed/ fixed for the upcoming year.

Accomplishment Scheduling Worksheets

Check all boxes that indicate how the Accomplishment Scheduling Worksheet information is provided to DNR.

The Accomplishment Scheduling Worksheet is submitted along with the RMAP Annual Accomplishment and Planning Report. Fish Passage Barrier information must be submitted on the DNR provided templates. Information other than fish barriers is also required and may be submitted on a DNR template or another method that contains the required information.
See the instructions for the Accomplishment Scheduling Worksheet for specific details and requirements

Maps:
Attach maps indicating the locations of work completed in the previous year and locations of work planned in the upcoming year. See page 4 for map requirements.

Additional information:
Use this section to describe changes, projects occurring within your plan or work scope. Some examples may be impacts from storm events, large scale stream type verification surveys, information from other reports or work that was completed or not completed. Attach additional pages as needed.

ACCOMPLISHMENT SCHEDULING WORKSHEETS

A completed Accomplishment Scheduling Worksheet must be submitted with each RMAP extension request and each Annual Accomplishment Report. This information may be submitted in three standard formats: electronic spreadsheet, Geographic Information System (GIS) file, or on paper. Templates for all three formats are available on the Forest Practices forms web page.
http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_forms.aspx

1. To submit information as a spreadsheet, download the Accomplishment Scheduling Worksheet Microsoft Excel spreadsheet. Fill in all required information. Do not rearrange, change or rename columns. Additional information may be provided in the empty columns on the right side of the template. Save the spreadsheet with your changes. Save your completed spreadsheet to your computer, a compact disc (CD) or digital versatile disc (DVD) and submit to the appropriate DNR region office. The spreadsheet may be emailed to the DNR region office.

2. To submit information as a GIS file, download either the Accomplishment Scheduling Worksheet shapefile or file geodatabase template. Fill in all required information. Do not rearrange, change or rename fields. Additional fields may be appended to the template. All data files must be submitted in

NAD_1983_HARN_StatePlane_Washington_South_FIPS_4602_Feet. Save completed data files to a CD or DVD and submit to the appropriate DNR region office. The data files may be emailed to the DNR region office

3. To submit accomplishment information on paper, download and print the Accomplishment Scheduling Worksheet, PDF version. Fill in all required information in ink with clearly legible handwriting. Mail or turn in your completed form(s) to the appropriate DNR region office.

ACCOMPLISHMENT SCHEDULING WORKSHEET: FISH PASSAGE BARRIER POINTS (REQUIRED) AND OTHER POINT TYPES (OPTIONAL)

Landowners submitting an extension are required to use this worksheet to identify fish barrier information. Landowners not requesting an extension must begin using this template for annual reports starting January 1, 2012.

All fish passage barrier locations and their condition must be recorded as individual point information on the template.

Landowners may include additional information about sediment delivery, unstable slope, and water interception points. The information you provide in this Accomplishment Scheduling Worksheet will become part of DNR's RMAP GIS database. The database contains points at water crossings on state-owned and private industrial forest roads that have been identified in a RMAP. Forest Practices Specialists use the database to track progress for landowners in meeting Forest Practices RMAP accomplishment at each location. It also provides supporting documentation for accomplishments reported in "RMAP Annual Accomplishment and Planning Report" by landowners. See WAC 222-24-051, large forest landowner road maintenance schedule.

Explanation column headings (Excel format, shapefile template and paper format)

Column Heading in Spreadsheet and on Paper (PDF)	Shapefile / file geodatabase Field	Explanation of column heading and data content	Data provided by Landowner* Identifies required information
Landowner Name	LO_NM	Landowner name.	Yes - required
Longitude	LONGITUDE	Longitude (WGS1984 projection and decimal degree format).	Yes unless Twp, Rge, Sec used
Latitude	LATITUDE	Latitude (WGS1984 projection and decimal degree format).	Yes- unless Twp, Rge, Sec used
Township	PLS_TWP_NO	Township.	Yes - unless Latitude and Longitude provided
Range	PLS_RGE_NO	Range.	Yes - unless Latitude and Longitude provided
East West	PLS_RNG_DIR_CD	East or West range.	Yes - unless Latitude and Longitude provided

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Section	PLS_TWP_SUBDIV_NO	Section.	Yes - unless Latitude and Longitude provided
Point Type	POINT_TYPE	See "Explanation of Point Type field" below**. Choices are: fish barrier (FB), no fish (NF), fish passable (FP), sediment (SE), unstable slopes (US), or water interception (WI).	Yes - required
Crossing Verified	VERIFIED	DNR use only. Has this crossing been field verified or not: yes or no.	No – DNR Use Only
Scheduled Date	SCHED_DT	Date crossing is scheduled to be fixed. This is a rule requirement per WAC 222-24-051(5) and (8). Landowners are to update any missing schedule dates and/or ones that are rescheduled. Use 2099 to represent a crossing that isn't required to be fixed during RMAPs; there must also be a response in "OBLG and OBLG_DESC" as described below.	Yes – required
Fixed Date	FIXED_DT	Date crossing was verified as removed or fixed. Use 1999 to represent everything completed before the Forest and Fish Rules were codified. Use 01/01/1900 to represent a crossing fixed during RMAPs, but has an unknown fix date.	Yes – required
Miles Opened	RPT_MILES_OPENED	Number of miles opened for fish after a fish barrier is removed or fixed.	Yes - optional
RMAP Number	RMAP_ID	Provide the RMAP number that has been assigned by DNR.	Yes - required
Road Mgt Block	RD_MGT_BLOCK	Road management block name. May be DNR or landowner assigned.	Yes -required
Road Mgt Block Priority	RD_MGT_BLOCK_PRIORITY	Priority number given to RMB in the Forest Practices Road Management Block Prioritization and Tracking. There is only one priority number per RMB.	Yes – required
Road Name	RD_ID	Number or name of road.	Yes- optional
Changes to Existing	CHANGES	Identify Point information that is new, updated or remains the same as information provided to the DNR in the past. Choices are: New point (1), Update to existing point (2) or No change (3).	Yes – required
Crossing Number	PLAN_ID	Crossing number assigned by landowner.	Yes- optional
RMAP Obligation	OBLG	When OBLG is 'No' enter description of why it is no – Choices are 'orphan road', 'Life of Pipe', maintain pond habitat per WDFW', or 'insufficient' habitat per WDFW'.	Yes- optional
Obligation Description	OBLG_DESC	When OBLG is 'No' enter description of why it is no – Choices are 'orphan road', 'Life of Pipe', 'maintain pond habitat per WDFW', or 'insufficient habitat per WDFW'.	Yes- optional

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DNR Unique ID	DNR_ID	Unique ID assigned by DNR for other tracking purposes.	No – DNR Use Only
DNR Region	JURISDICT_NM	DNR region responsible for data stewardship.	No – DNR Use Only
FPA Number	FP_ID	Forest practices application number associated with work.	Yes- optional
Supporting Docs	SUPP_DOCS	Includes supporting documents for location, including numbers for HPAs, ICNs, protocol surveys, WTMFs (especially for downgrades to Type N).	Yes- optional
Comments	COMNT	Comments up to 250 characters. Add questions, answers, and/or comments.	Yes- optional

*Data provided by Landowner: Identifies those columns and/or attributes that landowners are responsible for providing. Gray columns and fields are for department use only.

Explanation of Point Type: Note: Identify only one category below for each point. There may be more than one point at each crossing or location.

- *Fish Barrier (FB)* is a fish barrier as inventoried to satisfy RMAP rule requirements. This includes fish barriers that have yet to be field verified.

- *No Fish (NF)* is a water crossing that was determined to be a non-fish stream through stream protocol survey, physical characteristics, or based on Interdisciplinary Team discussions.

- *Fish Passable (FP)* is a fish crossing structure that has been replaced with a fish passage structure, removed, or the water crossing structure is functioning with little risk to public resources and is capable of passing fish (see WAC 222-24-050). It is noted in the fixed date if it was done before 2001 or completed in an RMAP.
- *Sediment (SE)* and/or Surface Water are a point on the road that delivers sediment to typed water. This can include water crossings or points on a road which are not water crossings. (These are addressed separately in WAC 222-24-051(4).

- *Unstable Slopes (US)* is a point on the road with evidence of existing or potential instability that could adversely affect public resources.

- *Water Interception (WI)* is a point on the road or ditch line of a road that intercepts ground water.

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ACCOMPLISHMENT SCHEDULING WORKSHEET: ROAD SEGMENTS

Landowners submitting an extension are required to submit the following information on forest road segments included in the plan area. Landowners not requesting an extension must begin providing this information for annual reports starting January 1, 2012. Road segment information may be submitted on maps and/or spreadsheets. Information must include:

- Landowner name,
- All road segments that do not meet Forest Practice standards,
- All orphan road segments within the plan area,
- All roads abandoned within the plan area,
- All stream adjacent parallel roads, and
- The date road work is scheduled to begin
- The date road repair work was completed
- RMAP number
- Road Management Block number
- Road Management Block Priority
- Specific locations of all items listed above using:
  - Longitude and Latitude at beginning and end of segment,
  - Stationing at beginning and end of segment and /or
  - Segment identifier corresponding to the map.

Landowners may use the Accomplishment Scheduling Worksheet's Road Segments template to report required information on road segments. Other formats will be accepted provided that all required elements are included.

Landowners may include information about road maintenance activities on specific road segments on this form. This form can be used to supply detailed information about road segments depicted on your maps. It also may provide supporting documentation to accomplishments reported in "RMAP Annual Accomplishment and Planning Report" by landowners. See WAC 222-24-051, large forest landowner road maintenance schedule.

Explanation column headings (Excel format, shapefile template and paper format)

Column Heading in Spreadsheet and on Paper (PDF)	Shapefile Field	Explanation of column heading and data content	Data provided by Landowner* Identifies required information
Landowner Name	LO_NM	Landowner name.	Yes - required
Start Longitude	START_LONG	Longitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
Start Latitude	START_LAT	Latitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
End Longitude	END_LONG	Longitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
End Latitude	END_LAT	Latitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
Start Road Station	START_STN	Start Road Station (in feet).	Yes, if available See Note below
End Road Station	END_STN	End Road Station (in feet).	Yes, if available See Note below

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Segment ID	SEG_ID	Segment ID used to label road segments on map.	Yes - required See Note below
Road Name	RD_ID	Number or name of road.	Yes- optional
Road Standard	ROAD_STNRD	Use this field to indicate whether or not the road segment meets Forest Practices standards.	Yes - required
Road Type	ROAD_TYPE	Indicate whether the road is 1= Active; 2=Abandoned; 3=Orphan	Yes - required
Stream Adjacent Parallel Road	SAP_ROAD	Is the road segment a stream adjacent parallel road? Y=yes; N=no	Yes - required
Work Status	WRK_STAT	Indicate if the work is complete = 1, Planned =2, or not applicable =3	Yes - optional
Scheduled Date	SCHED_DT	Date road work is scheduled.	Yes – required
Fixed Date	FIXED_DT	Date road work was completed. Use 1999 to represent everything completed before the Forest and Fish Rules were codified. Use 01/01/1900 to represent a road fixed during RMAPs, but has an unknown fix date.	Yes – required
Verified	VERIFIED	For DNR use only: Has the completed work on this segment been verified. Y= yes; N= no	No – DNR use only
RMAP Number	RMAP_ID	Provide the RMAP number that has been assigned by DNR.	Yes - required
Road Mgt Block	RD_MGT_BLK	Road management block name. May be DNR or landowner assigned.	Yes -required
Road Mgt Block Priority	RD_MGT_BLOCK _PRIORITY	Priority number given to RMB in the Forest Practices Road Management Block Prioritization and Tracking. There is only one priority number per RMB.	Yes – required
Changes to Existing	CHANGES	Identify Point information that is new, updated or remains the same as information provided to the DNR in the past. Choices are: New point (1), Update to existing point (2) or No change (3).	Yes – required
DNR Region	JURISDICT_NM	DNR region responsible for data stewardship.	No – DNR Use Only
FPA Number	FP_ID	Forest practices application number associated with work.	Yes- optional
Supporting Docs	SUPP_DOCS	Includes supporting documents for location, including numbers for HPAs, ICNs, protocol surveys, WTMFs (especially for downgrades to Type N).	Yes- optional
Comments	COMNT	Comments up to 250 characters. Add questions, answers, and/or comments.	Yes- optional

*Data provided by Landowner: Identifies those columns and/or attributes that landowners are responsible for providing.

Note: There are three options to identify the location – choose from:

- Start and end Longitude and Latitude,
- Start and end stationing, and
- Segment identifier.

Gray columns and fields are for department use only.

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For DNR Region Office Use Only	
RMAP #:	
Region: Received Date: Decision Due Date:	

Forest Practices Request to Extend Completion of Road Maintenance And Abandonment Plans

PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS REQUEST.
TYPE OR PRINT IN INK.

Requests must be submitted at least one hundred twenty days prior to the plan's anniversary date in 2014.

Landowner Name: _____ RMAP #: _____

Landowner /Representative Signature: _____ Date: _____

RMAP Anniversary Date:_____ WRIA Number(s): _____

Mailing Address: _____

City:_____ State: ____ Zip Code: _____ Phone Number:_____

Contact Person *(If Different from Above)*

Name: _____

Mailing Address:_____

City:_____ State: ____ Zip Code: _____Phone Number_____

Time period for Extension Request (check year and provide month and day after year)

[ ] 2016 Month/Day: _____
[ ] 2017 Month/Day: _____
[ ] 2018 Month/Day: _____
[ ] 2019 Month/Day: _____
[ ] 2020 Month/Day: _____
[ ] 2021 Month/Day: _____

Current RMAP Status for Extension Plan Area

How many acres will the extension plan area cover: _____

Total length of your forest road(s) in this plan: _____ miles

Total length of orphan roads (roads and railroad grades not used since 1974): _____ miles

Total Length of orphan road segments posing a threat to public safety or public resources: _____ miles

Total number of road related fish passage barriers: _____

Total length of forest road needing improvement: _____ miles

Total length of forest road planned for abandonment: _____ miles

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Total road improvement complete by Road Management Block (RMB). Indicate percent complete.

RMB	% Road Improvement Complete	% Anadromous Fish Barriers Removed / Fixed (optional)

A complete extension request must include this form and a revised RMAP, which includes the following:

- Map(s) showing Extension area and work to be completed
- Forest Practices Road Management Block Prioritization and Tracking form
- Routine Maintenance Practices and Storm Maintenance Strategy for Forest Roads form
- Accomplishment Scheduling Worksheet form

Additional Information (attach additional page(s) if necessary):

_____
_____
_____

For DNR Region Office Use Only

Decision: [ ] Approved
[ ] Disapproved – Reason(s) for Disapproval:
_____
_____

Extension Request Valid Through: _____/_____/_____
Issued By: _____ Date: _____

Copies to: [ ] Landowner [ ] ECY Rep: _____ [ ] DFW Rep: _____
[ ] Tribal Rep(s): _____; _____; _____ [ ] Other: _____

Appeal Information

You have thirty (30) days to appeal from the date of issue this Decision to the Pollution Control Hearings Board in writing at the following addresses:
Physical address: 1111 Israel Rd. SW, Ste 301, Tumwater, WA 98501
Mailing address: P.O. BOX 40903, OLYMPIA, WA 98504-0903
Information regarding the Pollution Control Hearings Board can be found at: http://www.eho.wa.gov/
At the same time you file an appeal with the Pollution Control Hearings Board, also send a copy of the appeal to the Department of Natural Resources' region office and the Office of the Attorney General at the following addresses:

Washington State Department of Natural Resources Region

AND

Office of the Attorney General
Natural Resources Division
Region
1125 Washington Street SE
PO Box 40100
Olympia, WA 98504-0100

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RMAP #: _____Landowner: _____Date: _____

Routine Maintenance Practices and Storm Maintenance Strategy For Forest Roads under RMAP Obligation

Check all practices that will be used within the RMAP area. Add or attach additional routine practices that will be used that are not listed below. Landowners may provide their own documentation. Attach additional practices not listed below to this form.

Routine Maintenance:

Cut and Fill Slopes

[ ] Slides from the ditches and roadway will be removed. Overhanging material from the cut and fill slopes will be removed to restore the natural angle of repose.

[ ] Areas with potential to deliver debris to any typed water will be stabilized by fill pullback, weight placed at toe of slope, compaction, abandonment, and/or other measures as appropriate.

[ ] Undesirable slide materials and debris will not be mixed into the surface material.

[ ] Exposed cut and fill slopes will be seeded with erosion resistant native vegetation.

[ ] Buffers such as slash filter windrows, silt fences, or straw wattles will be placed appropriately along stream adjacent roads where there is potential for surface erosion sediment delivery to typed waters.

[ ] Other

_____

Road Surface and Maintenance

[ ] The road surface, turnouts, and shoulders will be graded and shaped as needed to provide a suitable travel surface and control water runoff in an even, dispersed manner. Grading may be substituted with a lift of surface rock.

[ ] Waste material from slides or other sources should be stabilized so as to not deliver sediment into typed waters. Stabilization methods include establishing vegetation and covering exposed soils with straw or hydro mulching.

[ ] Grading will not undercut the back slope of the bottom of the ditchline.

[ ] Desirable surface material will not be bladed off the roadway.

[ ] Surface material lost or worn away will be replaced.

[ ] Outside berms will be removed except those needed to protect sensitive slopes and fills to prevent direct drainage to streams.

[ ] Grade roads when moisture and soil conditions are not likely to result in excessive erosion.

[ ] Use sediment traps, silt fencing or sumps only as temporary measures because of continuous maintenance. Use these methods if erosion is likely to deliver sediment to typed waters.

[ ] Review roads for evidence of instability such as cracks or settling at locations where potential resource impact is evident. Correct using fill pullback, water diversion or other method suited to the site.

[ ] Other

_____

Drainage: Ditched Roads

[ ] Ditches and drainage channels at inlets and outlets of culverts will be kept clear of obstructions and functioning as intended.

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[ ] Culverts will be inspected and cleaned routinely and immediately after any significant storm events regardless of harvest activity.
[ ] Where a relief culvert outfall drains onto unprotected erodible material, a rock apron, flume, down spout, and/or rock energy dissipaters will be installed to prevent erosion below the outfall.
[ ] Silt bearing surface runoff will be prevented from entering typed waters. This will be achieved by adding relief culverts, clean hard rock, ditch filters, or silt ponds. Drainage structures will be inspected and cleaned routinely as needed.
[ ] Existing relief culverts in good shape and functionally adequate but not meeting current minimum diameter requirements may remain until worn out. When the relief culvert is replaced, it will be upgraded to at least the 18-inch western Washington or 15-inch eastern Washington diameter standard.
[ ] Other

_____

Drainage: Out-sloped Roads

[ ] A 3% outslope will be maintained where appropriate.
[ ] Drivable dips will be installed in the road subgrade as necessary to control surface runoff.
[ ] Waterbars may be installed as necessary when the road is not in use.
[ ] Other

_____

Relief Culvert Installation

[ ] All new installations on road grades in excess of 3% will be skewed at least 30 degrees from perpendicular to the road centerline.
[ ] Relief culverts will be installed using a slope steeper than the incoming ditch, but not less than 3%.
[ ] Rock armored headwalls at culvert inlets will be constructed and maintained to the road shoulder level with material that will resist erosion.
[ ] Relief culverts will be placed so that ditch water is routed to the forest floor in a stable location and energy dissipaters will be added as needed to prevent erosion.
[ ] Energy dissipaters and sediment traps will be placed at the out slope or downspout end to prevent erosion or trap suspended sediment.
[ ] Other

_____

Seeps and Springs

[ ] All seasonal and year round springs entering the road ditchline will be cross drained through the roadbed generally within 100 feet of where it enters the ditchline. Locations of natural depressional areas that seasonally accumulate water at road intersections are preferred.
[ ] Other

_____

Stream Crossings

[ ] New or replacement stream crossing installations will be sized, and the fill protected, to accommodate a 100-year flood and passage of debris.
[ ] Rock armor headwall culvert inlets will be installed where the stream gradient above the crossing is greater than 6%.
[ ] Existing stream crossings will be inspected for scour, sediment delivery, outfall, and flow adequacy. If the structure is functioning with little risk to public resources it will be maintained until the end of its functional life. For culverts not being replaced, maintenance will include culvert inlet and outlet cleanout, culvert repairs, fill erosion control, and other work as needed.
[ ] In addition to requirements for non-fish habitat stream crossings, fish passage for adult and juvenile fish will be maintained.
[ ] Other

_____

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Bridges

[ ] Exposed bridge fills next to streams will be armored or rip-rapped to prevent erosion.
[ ] Bridge approaches will be maintained to be level with the bridge deck with crushed rock or pavement.
[ ] Bridges will have curbs or splashguards installed.
[ ] All bridge decks will be sealed to prevent road water and mud from dropping through to streams.
[ ] Bridges will be cleaned to remove gravel and sediment that may enter streams.
[ ] Other

_____

Fords

[ ] No fords
[ ] Fords that are not functional will be abandoned; rock armored, paved, or replaced with a culvert or bridge as necessary.
[ ] If streambed does not have firm rock or gravel base, install stabilizing material. Use reinforced concrete planks, crushed rock, riprap or rubber mats.
[ ] Other

_____

Storm Maintenance Plan

Pre-storm Planning

[ ] Relief culverts will be inspected and cleaned as necessary prior to October 1 of any given year.
[ ] Waterbars that are installed will be re-established prior to October 1 of any given year.
[ ] Silt fences and settling ponds will be inspected and cleaned prior to October 1 of any given year.
[ ] Waste areas will be placed in locations that are known to be stable and that have no potential to deliver sediment to typed waters or cause landslides.
[ ] When storm related maintenance issues are discovered, the landowner will take necessary actions in a timely manner.

Storm Event Emergency Maintenance Strategy

[ ] All roads within the system will be patrolled within 72 hours of a major storm event.
[ ] Damage will be assessed then repaired or stabilized by a priority determined by the damage or potential to damage a public resource.
[ ] Appropriate maintenance or repair actions will be taken based on these observations and the affected agencies will be contacted (e.g., DNR, DOE, WDFW, County).
[ ] Other

_____

Post Storm Recovery

[ ] Repair follow-up will be prioritized with fish bearing streams a number one priority.
[ ] Drainage structures that fail will be replaced with adequate sized structures designed to handle a 100-year flood event.
[ ] Waste areas will be compacted then reseeded before the next winter season.
[ ] Cutbank failures that have potential to deliver sediment to typed water will be vegetated as soon as possible.
[ ] Other

_____

Additional routine practices: (attach or list below)

_____
_____
_____
_____
_____

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WASHINGTON STATE DEPARTMENT OF
Natural Resources

Forest Practices Road Management Block Prioritization and Tracking

PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS FORM.
TYPE OR PRINT IN INK.

Landowner Name: _____ Date: _____ RMAP #: _____

Road Management Block (RMB) (Identifier)	Estimated Length of Roads in the RMB (Miles)	Estimated Length of Forest Roads in the RMB Needing Improvement/Abandonment (Miles)	Maximum Value Assigned to the Assessed Priority Criterion Assessed Priority Criterion					Sum of Assessed Priority Criterion Values	Number of Fish Passage Barriers	RMB Priority Ranking
			50	50	40	30	20			
			Presence of Threatened or Endangered Fish Under State or Federal Law	Presence of Water Body listed on the Current 303 (d) Water Quality Impaired List for Road Related Issues	Sensitive Geology/ Soils Areas with a History of Slope Failures	Number of Fish Habitat Restoration Projects	Likely High Future Forest Practices Usage			
			A	B	C	D	E	(A+B+C+D+E)		

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WASHINGTON STATE DEPARTMENT OF
Natural Resources

RMAP ANNUAL ACCOMPLISHMENT AND PLANNING REPORT

PLEASE USE THE INSTRUCTIONS TO COMPLETE THIS FORM.
TYPE OR PRINT IN INK.

Landowner Name:_____ RMAP #: _____

Landowner /Representative Signature: _____ Date: _____

RMAP Anniversary Date: _____ WRIA Number(s): _____

Mailing Address: _____

City:_____ State: _____ Zip Code: _____ Phone Number:_____

Contact Person *(If Different from Above)*

Name: _____

Mailing Address: _____

City:_____ State: _____ Zip Code: _____ Phone Number: _____

RMAP Completion Year: _____

[ ] Please check if there have been any changes due to lands being purchased, sold, exchanged, etc. since your last annual report and describe the changes and show on maps.

Current RMAP Summary
How many acres within this plan: _____

Total length of your forest road(s) in this plan: _____ miles

Total length of orphan roads in this plan (roads and railroad grades not used since 1974): _____ miles

Total length of orphan road segments posing a risk to public safety or public resources: _____ miles

Total number of forest road related fish passage barriers: _____

Total length of forest road needing improvement or abandonment: _____ miles

Total road improvement complete by Road Management Block (RMB). Indicate percent complete.

RMB	% Road Improvement Complete	% Anadromous Fish Barriers Removed / Fixed (optional)

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Work Completed Since Last Annual Plan*

Total length of road improvement completed: _____ miles

Total length of road abandonment completed: _____ miles

Total length of orphan road abandonment and/or improvement completed: _____ miles

Total length of orphan road abandonment threat that has been mitigated: _____ miles

Total length of new roads added to the plan (purchase, land exchange, etc. since last annual report): _____ miles

Total number of fish passage barriers removed/fixed: _____

Approximate stream miles opened for fish passage: _____

Work Proposed for Upcoming Year's Work*

Total length of road to be improved: _____ miles

Total length of road to be abandoned: _____ miles

Total length of orphan road to be abandoned and/or improved: _____miles

Total number of fish passage barriers to be removed / fixed: _____

Accomplishment Scheduling Worksheet – indicate below how the information is provided:

Fish Barrier – Accomplishment Scheduling Worksheet and map required format from DNR

- ☐ Printed forms and maps required
- ☐ Electronic – spreadsheet
  - ☐ Spreadsheet that includes latitude and longitude – map may be required
  - ☐ Spreadsheet does not includes latitude and longitude – map required
- ☐ GIS shape file – must meet DNR standards – map may be required

Road Segments – Accomplishment Scheduling Worksheet OR landowner format that includes required information.

- ☐ Printed Accomplishment Scheduling Worksheet and map
- ☐ Electronic road segment spreadsheet and map
- ☐ GIS shapefile – must meet DNR standards - map may be required

***Maps must show location(s) of work accomplished in last year and work planned in the upcoming year.**
Additional Information (attach additional page(s) if necessary):

_____

_____

_____

_____

_____

Copies to: [ ] Landowner [ ] ECY Rep: _____ [ ] DFW Rep: _____
[ ] Tribal Rep(s): _____; _____; _____ [ ] Other: _____

For DNR Region Office Use Only

Decision: [ ] Accepted
[ ] Not Acceptable – reason(s) for non-acceptance:
_____
_____

Changes Made since Last Report:

Issued By: _____ Date: _____

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Accomplishment Scheduling Worksheet Fish Passage Barriers (Required) and Other Point Types (Optional)

1 - Coordinates should be entered as Longitude/Latitude in WGS1984 projection and decimal degree format.
2 - Point Type: FB = Fish Barrier; NF = No Fish; FP = Fish Passable; SE = Sediment; US = Unstable Slopes; WI = Water Interception.
3 - Value Choices: Y = Yes; N = No
4 - Obligation Description: Define the reason why the point does not qualify as an RMAP obligation. Examples: 'Orphan Road', 'Life of pipe', Maintain pond habitat per WDFW', 'Insufficient habitat per WDFW', etc.
5 - Changes to Existing: 1 = New Point; 2 = Updated Point; 3 = No Change
6 - For department use only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
2		Coordinates [1]		Legal Description											
3	Landowner Name	Longitude	Latitude	Township	Range	East West	Section	Point Type [2]	Crossing Verified [6]	Scheduled Date	Fixed Date	Miles Opened	RMAP Number	Road Mgt Block	Road Mgt Block Priority
4															
5															
6															
7															
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Accomplishment Scheduling Worksheet Fish Passage Barriers (Required) and Other Point Types (Optional)

	P	Q	R	S	T	U	V	W	X	Y
1	1 - Coordinates should be entered as Longitude/Latitude in WGS1984 projection and decimal degree format. 2 - Status Values: FB = Fish Barrier; NF = No Fish; FP = Fish Passable; SE = Sediment; US = Unstable Slopes; WI = Water Interception. 3 - Value Choices: Y = Yes; N = No 4 - Obligation Description: Define the reason why the point does not qualify as an RMAP obligation. Examples: 'Orphan Road', 'Life of pipe', Maintain pond habitat per WDFW', 'Insufficient habitat per WDFW', etc. 5 - Changes to Existing: 1 = New Point; 2 = Updated Point; 3 = No Change 6 - For department use only									
2										
3	Road Name	Changes to Existing [5]	Crossing Number	RMAP Obligation [3]	Obligation Description [4]	DNR Unique ID [6]	DNR Region [6]	FPA Number	Supporting Docs	Comments
4										
5										
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Accomplishment Scheduling Worksheet:
Fish Passage Barriers (Required) and Other Road Points (Optional)

1 - Coordinates should be entered as longitude/latitude in WGS84 projection and decimal degree format.
2 - Point Types: FB = Fish Barrier; NF = No Fish; F = Fish Passable; SE = Sediment; US = Unstable Slopes; WI = Water Interception.
3 - Value Choices: Y = Yes; N = No
4 - Obligation Description: Define the reason why the point does not qualify as an RMAP obligation. Examples: 'Orphan Road', 'Life of pipe', Maintain pond habitat per WDFW', 'Insufficient habitat per WDFW', etc.
5 - Changes to Existing: 1 = New Point; 2 = Updated Point; 3 = No Change
6 - For department use only

1 - Coordinates should be entered as longitude/latitude in WGS84 projection and decimal degree format.
2 - Point Type: FB = Fish Barrier; NF = No Fish; FP = Fish Passable; SE = Sediment; US = Unstable Slopes; WI = Water Interception.
3 - Value Choices: Y = Yes; N = No
4 - Obligation Description: Define the reason why the point does not qualify as an RMAP obligation. Examples: 'Orphan Road', 'Life of pipe', Maintain pond habitat per WDFW', 'Insufficient habitat per WDFW', etc.
5 - Changes to Existing: 1 = New Point; 2 = Updated Point; 3 = No Change
6 - For department use only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
2		Coordinates[1]		Legal Description																						
3	Landowner Name	Longitude	Latitude	Township	Range	East West	Section	Point Type[2]	Crossing Verified[6]	Scheduled Date	Fixed Date	Miles Opened	RMAP Number	Road Mgt Block	Road Mgt Block Priority	Road Name	Changes to Existing[5]	Crossing Number	RMAP Obligation[3]	Obligation Description[4]	DNR Unique ID[6]	DNR Region[6]	FPA Number	Supporting Docs	Comments	Document Link
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Accomplishment Scheduling Worksheet:
Road Segments

1 - Coordinates should be entered as Longitude/Latitude in WGS1984 projection and decimal degree format.
2 - Road stations should be entered in feet.
3 - Road Standard: 1 = Up to FP Standards; 2 = Not up to FP Standards; 3 = Not Applicable/Orphan Road
4 - Road Type: 1 = Active; 2 = Abandoned; 3 = Orphan
5 - Stream-adjacent Parallel Road: Value Choices: Y = Yes; N = No See WAC 222-16-010, for the complete definition of "Stream-adjacent parallel roads".
6 - Work Status: 1 = Completed; 2 = Planned Work; 3 = Not Applicable
7 - Changes to Existing: 1 = New Point; 2 = Updated Point; 3 = No Change
8 - For department use only

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
2		Start Coordinates [1]		End Coordinates [1]		Road Stations [2]																			
3	Landowner Name	Longitude	Latitude	Longitude	Latitude	Start	End	Segment ID	Road Name	Road Standard [3]	Road Type [4]	Stream Adjacent Parallel Road [5]	Work Status [6]	Scheduled Date	Fixed Date	Verified [8]	RMAP Number	Road Mgt Block	Road Mgt Block Priority	Changes to Existing [7]	DNR Region [8]	FPA Number	Supporting Docs	Comments	Document Link [8]
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WASHINGTON STATE DEPARTMENT OF
Natural Resources
Peter Goldmark - Commissioner of Public Lands

Caring for
your natural resources
... now and forever

July 15, 2011

Forest Practices Stakeholders

Subject: Statewide RMAP Accomplishment Report 2001-2010

Dear Stakeholders:

The Washington State Department of Natural Resources (DNR) distributes a Statewide Road Maintenance and Abandonment Plan (RMAP) Accomplishment Report annually to Stakeholders and publishes it in the *Forest Practices Annual HCP Report*. The information provided in this report is derived from data supplied by landowners as part of their annual accomplishment review. This report has changed over time. The initial reporting elements were comprised of five data items identified in the 1999 *Forests and Fish Report*; this year's report includes nine. Additional reporting elements have been added over the past several years to meet HCP reporting requirements, improve communication of accomplishment achievements, and to provide a better baseline for tracking accomplishments.

In August of 2010 the program evaluated how RMAP data were collected, evaluated, and reported. Particular attention focused on implementation consistency and standardization, including even-flow and worst-first assessment and tracking. Results from this in-depth evaluation identified a number of areas where the program can make improvements:

1. Apply consistent interpretation of accomplishment reporting elements.
2. Standardize data collection methods.
3. Create a statewide GIS database for RMAP information, tracking, and reporting purposes.
4. Improve data sharing and transparency.
5. Add two additional annual accomplishment reporting elements in order to provide a baseline for improving evaluation of even-flow:
    i. Total number of fish passage barriers identified.
    ii. Total number of forest road miles identified needing improvement.

This accomplishment report reflects changes made within the program in order to achieve consistent interpretation of the reporting elements. Due to these changes (most notably for the '*Number of Approved RMAPs*' and '*Number of Fish Passage Barriers Identified*'), comparison with past reports will not be practical.

The summary below describes the reporting elements within this accomplishment report. Information is also provided for why some reporting element numbers fluctuate, as well as why previous accomplishment reports may differ from this report.

Number of Approved RMAPs

The number of approved RMAPs represents RMAPs submitted mostly by large forest landowners (LLO) - many large landowners have more than one RMAP. There are currently 18 landowners with approved RMAPs, who meet the definition of a small forest landowner and have chosen (in writing) to continue to follow their pre-2003 submitted RMAP, or who have decided to submit a plan as described in 222-24-0511(2). This does not include land, previously owned by a LLO covered under an approved RMAP, which has been sold to a small forest landowner who chooses not to continue to implement the RMAP.

Note: *Previously, this number was reported as either: 1) the total number of landowners having an approved RMAP (i.e., 11 landowners within one region would equal 11 RMAPs), or 2) the total number of approved RMAPs (i.e., 11 landowners within one region each having 3 separate RMAPs would equal 33 RMAPs). Beginning in reporting year 2010 and thereafter, this number will be reported as 'Number of approved RMAPs'. The program chose this reporting strategy due to the importance of monitoring and tracking the number of approved plans rather than the number of landowners.*

The number of approved RMAPs is dynamic in nature and can change over time. Large landowners may have one RMAP for large holdings or multiple RMAPs covering several blocks within the large holding. A landowner may choose to change their strategy on the number of RMAPs they manage. Property transactions can lead to an increase or decrease in the number of approved RMAPs. Small landowners who decide to discontinue their plan and obtain a checklist would result in a decrease of RMAPs reported. Another reduction in the number may be due to a LLO deciding to discontinue or reduce the amount of harvest and submitting a request to be released from the program due to qualifying as a small forest landowner per the definition found in WAC 222-16-010.

Miles of Forest Roads Assessed

Landowners arrived at this number by conducting an inventory and assessment of all forest roads contained within a specific RMAP. **This number includes roads that meet forest practices rule standards as well those that need to be improved.**

Note: *This information may be incomplete at this time; the program is currently working with landowners to ensure that this reporting element is complete in future reports. Once data are confirmed to be complete, it is not expected to fluctuate significantly over time.*

Miles of Forest Road Identified Needing Improvement
To date, this reporting element has not been formally tracked. In order to get a sense of overall RMAP accomplishment, LLOs with approved RMAPs made a good-faith effort in 2008 to quantify the number of forest road miles needing improvement. As described below, there were limitations to the data. The department will be working with landowners to obtain this information and to have it available for the 2012 accomplishment report.

Miles of Road Improvement
For RMAP purposes, an improved road or road segment is defined as where actions have been taken to address issues associated with:

a) fish passage,
b) delivery of sediment to typed waters,
c) existing or potential slope instability that could adversely affect public resources,
d) roads or ditchlines that intercept ground water, and
e) roads or ditchlines that deliver surface water to any typed waters.

These actions are only associated with existing roads built prior to July 2001. The improvements shall meet the current Forest Practices Rule requirements and were identified in the landowner plan, or subsequently discovered within the time period associated with an approved RMAP.

Note: *DNR began reporting miles of road improvement in 2008 for the 2009 HCP Annual Report. This reporting element has been difficult to calculate, leading to data inconsistencies. In addition to inconsistencies in how road improvement miles were measured, the greatest challenge was the lack of a clear, working definition of what constitutes road miles improved. Beginning in reporting year 2010 and thereafter, this number will be calculated using the definition above.*

Once a landowner identifies a road or road segment is brought up to current rule standards it is captured in that year's accomplishment report and provided the DNR RMAP Specialist concurs will no longer be identified as an RMAP obligation; therefore, the road or road segment would not be included in subsequent reporting years for miles of road needing improvement or miles of road improved. All roads not under an RMAP obligation are subject to standard forest practices rules found in Chapter 222-24 WAC.

Miles of Road Abandonment
The number of road abandonment miles includes those that have been reported under an approved RMAP as abandoned per WAC 222-24-052(3).

Note: *Roads are not considered 'officially' abandoned until the DNR RMAP Specialist or Forest Practices Forester reviews the abandonment to ensure it meets WAC 222-24-052(3). Reported road abandonment miles reflect some road miles that may not have been officially abandoned at*

the time this report was distributed.

Miles of Orphaned Roads
The miles of orphaned roads included those that have been reported under an approved RMAP as orphaned per WAC 222-24-052(4). Inventory and assessment of orphaned roads will be used to help in the evaluation of the hazard-reduction statute and to determine the need for cost-share funding (RCW 76.09.300).

Note: *This reporting element is challenging to track precisely due to difficultly in locating these roads on the landscape; many times, orphaned roads are obscured by brush/timber and do not appear on any map. Some orphan roads have been converted to active forest roads, some abandoned, and there is potential for some to be scattered throughout the landscape with present status unknown.*

Number of Fish Passage Barriers Identified
The total number of fish passage barriers includes those identified as part of an approved RMAP inventory.

Note: *In 2006, the revised water type map was used as an additional tool to identify potential fish passage barriers. The total number of fish passage barriers will fluctuate over time, depending on when landowners verify on-the-ground physical characteristics per WAC 222-16-031 and/or perform a protocol survey or other approved methodology for verifying fish presence or absence. In cases where a stream type is changed from F to N, therefore negating the landowners' obligation to remove fish passage barriers, sizing of the culvert will be assessed to ensure it meets the 100-year flood level. Barriers may also be removed from the total number if the structure was determined by WDFW to be sufficient to remain until the end of its functional life (due to limited habitat gained) or if the structure was determined to play an important role in maintaining ponded or wetland habitats; these decisions are made with stakeholder consultation.*

Number of Fish Passage Barriers Corrected
The number of fish passage barriers corrected includes the total number that have been permanently removed or fixed with a fish passable structure.

Note: *Previously, this number included some streams that had been downgraded from an 'F' to an 'N' which did not meet the intent of this reporting element. Beginning in reporting year 2010 and thereafter, this number will be reported as the number of actual fish passage barriers corrected (i.e., perched and/or undersized pipe etc.).*

Miles of Fish Habitat Opened
The miles of fish habitat opened includes stream habitat opened for fish use after the fish passage barrier has been removed or replaced. This number is an estimate, due to stream length not

always being measured on the ground; many times, the measurement is based upon aerial photos and/or maps.

Note: *This number may fluctuate depending on when and/or whether or not stream type verification surveys occur. If there are no protocol surveys to pinpoint exact breakpoints, this number is reflected by LLO data or topographical information. It is also difficult for landowners to determine this number if the stream enters another ownership.*

Number of Checklists Submitted by Small Landowners

The number of checklists is the total number submitted to the regions by small forest landowners since the 2003 rule change. Small forest landowners may submit more than one RMAP Checklist.

Note: *Beginning in reporting year 2007 and thereafter, checklists have been separated from the 'Number of Approved RMAP's' and tracked separately.*

Respectfully,

Julie Sackett

Julie Sackett
Assistant Division Manager - Forest Practices Operations

Enclosure (1)

cc: Darin Cramer, Division Manager
Marc Engel, Assistant Division Manager- Policy and Services
RP&S Assistants
Sue Casey, Region Support
Attachment- Statewide RMAP Report 2001-2010

Statewide Road Maintenance and Abandonment Plan Accomplishment Report 2001-2010										
DNR Region	Number of approved RMAPs	Miles of forest road assessed	AVAILABLE 2012 REPORT Miles of forest road identified needing improvement	Miles of road improved	Miles of road abandonment	Miles of orphaned roads	Number of fish passage barriers identified	Number of fish passage barriers corrected	Approximate miles of fish habitat opened	Total # of RMAP Checklists from small forest landowners
Northeast	89	7625		4936	302	96	844	633	317	2535
Northwest	21	5841		2285	1008	650	585	254	89	1528
Olympic	22	7648		1288	114	353	1307	524	280	768
Pacific Cascade	97	21942		7215	608	717	3067	1674	722	3135
South Puget Sound	18	7886		890	409	246	593	344	171	700
Southeast	15	6500		1861	474	271	629	340	193	521
Statewide Totals	262	57442		18475	2915	2333	7025	3769	1772	9187

The content of this table is based upon data provided by landowners who are responsible for the facts and accuracy of the information presented herein.