

Washington Forest Practices Road Maintenance and Abandonment Plan Information and Instructions

Table of Contents

Introduction.....	1
General Information	2
Submitting RMAPs	3
Map Requirements.....	4
Forest Practices Request to Extend Completion of Road Maintenance and Abandonment Plans	5
Routine Maintenance Practices and Storm Maintenance Strategy for Forest Roads under RMAP Obligation	6
Forest Practices Road Management Block Prioritization and Tracking.....	6
RMAP Annual Accomplishment and Planning Report.....	9
Accomplishment Scheduling Worksheets	11
Accomplishment Scheduling Worksheet: Fish Passage Barrier Points (Required) and Other Point Types (Optional).....	12
Accomplishment Scheduling Worksheet: Road Segments	14

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.

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 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 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 October 3, 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)		
<p>Southeast Region 713 Bowers Road Ellensburg, WA 98926 Tel: (509) 925-8510 Fax: (509) 925-8522</p> <p>Includes: Adams, Asotin, Benton, Chelan, Columbia, Douglas, Franklin, Garfield, Grant, Kittitas, Klickitat, Skamania, Walla Walla, Whitman, and Yakima counties</p>	<p>Northeast Region 225 S. Silke Road Colville, WA 99114 Tel: (509) 684-7474 Fax: (509) 684-7484</p> <p>Includes: Ferry, Lincoln, Okanogan, Pend Oreille, Spokane, and Stevens counties</p>	<p>Olympic Region 411 Tillicum Lane Fork, WA 98331 Tel: (360) 374-2800 Fax: (360) 374-5446</p> <p>Includes: Clallam, north half of Grays Harbor, and Jefferson counties</p>

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

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.

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.

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. Do not combine multiple RMAP's on one request to extend completion of RMAP form.

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 miles 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.

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, and
- Accomplishment Scheduling Worksheet.

**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. Add additional methods that you use in the comment section or attach on a separate sheet(s) of paper.

**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,

- 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).

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/ProjectSearch.aspx>

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:

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. Attach description of the changes and maps indicating locations.

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.

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 Resource 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.

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 templates provided by DNR. 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 for 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	Explanation of column heading and data content	Data provided by Landowner*
	File geodatabase field		Identifies required information
Landowner Name	LO_NM	Landowner name.	Yes - required
	LO_NM		
Longitude	LONGITUDE	Longitude (WGS1984 projection and decimal degree format).	Yes unless Twp, Rge, Sec used
	LONGITUDE		
Latitude	LATITUDE	Latitude (WGS1984 projection and decimal degree format).	Yes- unless Twp, Rge, Sec used
	LATITUDE		
Township	PLS_TWP_NO	Township.	Yes - unless Latitude and Longitude provided
	PLS_TWP_NO		
Range	PLS_RNG_NO	Range.	Yes - unless Latitude and Longitude provided
	PLS_RNG_NO		
East West	PLS_RNG_DI	East or West range.	Yes - unless Latitude and Longitude provided
	PLS_RNG_DIR_CD		
Section	PLS_TWP_SU	Section.	Yes - unless Latitude and Longitude provided
	PLS_TWP_SUBDIV_NO		
Point Type	PT_TYPE_LA	See " Explanation of Point Type field " below**. Choices are: fish barrier (FB), no	Yes - required

	POINT_TYPE	fish (NF), fish passable (FP), sediment (SE), unstable slopes (US), or water interception (WI).	
Crossing Verified	VERIFIED	<u>DNR use only.</u> 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
	SCHED_DT		
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
	FIXED_DT		
Miles Opened	RPT_MILES_	Number of miles opened for fish after a fish barrier is removed or fixed.	Yes - optional
	RPT_MILES_OPENED		
RMAP Number	RMAP_ID	Provide the RMAP number that has been assigned by DNR.	Yes - required
	RMAP_ID		
Road Mgt Block	RD_MGT_BLO	Road management block name. May be DNR or landowner assigned.	Yes -required
	RD_MGT_BLOCK		
Road Mgt Block Priority	RD_MGT_B_1	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
	RD_MGT_BLOCK_PRIORITY		
Road Name	RD_ID	Number or name of road.	Yes- optional
	RD_ID		
Changes to Existing	CHANGES	Identify Point information that is new, updated, or remains the same as information provided to DNR in the past. Choices are: New point (1), Update to existing point (2) or No change (3).	Yes – required
	CHANGES		
Crossing Number	PLAN_ID	Crossing number assigned by landowner.	Yes- optional
	PLAN_ID		
RMAP Obligation	OBLG	Identify if record is an RMAP obligation. Enter 'Y' for yes, 'N' for no. If no, a reason must be provided in OBLG description field.	Yes- optional
	OBLG		
Obligation Description	OBLG_DESC	When OBLG is 'No' enter description of why it is no – Choices are HCP, 'insufficient' habitat per WDFW, 'Life of Pipe', maintain pond habitat per WDFW, 'orphan road', 'Small Forest Landowner', 'Small Forest Landowner in FFFPP', or 'Other'.	Yes- optional
	OBLG_DESC		
DNR Unique ID	DNR_ID	Unique ID assigned by DNR for other tracking purposes.	No – DNR Use Only
	DNR_ID		

DNR Region	JURISDICT_	DNR region responsible for data stewardship.	No – DNR Use Only
	JURISDICT_DESG_CD		
FPA Number	FP_ID	Forest practices application number associated with work.	Yes- optional
	FP_ID		
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
	SUPP_DOCS		
Comments	COMNT	Comments up to 255 characters. Add questions, answers, and/or comments.	Yes- optional
	COMNT		

*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.

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
	File geodatabase field		
Landowner Name	LO_NM LO_NM	Landowner name.	Yes - required
Start Longitude	START_LONG START_LONGITUDE	Longitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
Start Latitude	START_LATI START_LATITUDE	Latitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
End Longitude	END_LONGIT END_LONGITUDE	Longitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
End Latitude	END_LATITU END_LATITUDE	Latitude (WGS1984 projection and decimal degree format).	Yes, if available See Note below
Start Road Station	START_STN_ START_STN_FT	Start Road Station (in feet).	Yes, if available See Note below
End Road Station	END_STN_FT END_STN_FT	End Road Station (in feet).	Yes, if available See Note below
Segment ID	SEG_ID SEG_ID	Segment ID used to label road segments on map.	Yes - required See Note below
Road Name	RD_ID RD_ID	Number or name of road.	Yes- optional
Road Standard	RD_STD RD_STD	Use this field to indicate whether or not the road segment meets Forest Practices standards. 'Y' = Yes, 'N' = No	Yes - required
Road Type	RD_TYPE RD_TYPE	Indicate whether the road is 1= Active; 2=Abandoned; 3=Orphan	Yes - required
Stream Adjacent Parallel Road	STRM_ADJCN STRM_ADJCNT_RD	Is the road segment a stream adjacent parallel road? Y=yes; N=no	Yes - required
Work Status	WRK_STAT WRK_STAT	Indicate if the work is complete = 1, Planned =2, or not applicable =3	Yes - optional
Scheduled Date	SCHED_DT 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
	FIXED_DT		
Verified	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
	RMAP_ID		
Road Mgt Block	RD_MGT_BLO	Road management block name. May be DNR or landowner assigned.	Yes -required
	RD_MGT_BLOCK		
Road Mgt Block Priority	RD_MGT_B_1	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
	RD_MGT_BLOCK_PR IORITY		
Changes to Existing	CHANGES	Identify Point information that is new, updated or remains the same as information provided to DNR in the past. Choices are: New point (1), Update to existing point (2) or No change (3).	Yes – required
	CHANGES		
DNR Region	JURISDICT_	DNR region responsible for data stewardship.	No – DNR Use Only
	JURISDICT_DESG_C D		
FPA Number	FP_ID	Forest practices application number associated with work.	Yes- optional
	FP_ID		
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
	SUPP_DOCS		
Comments	COMNT	Comments up to 255 characters. Add questions, answers, and/or comments.	Yes- optional
	COMNT		

*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.