



Ferry County Planning Department  
 PO Box 305  
 Republic, WA 99166-0305  
 Phone: (509) 775-5225 Ext 3101  
 Email: pbasst@co.ferry.wa.us

DNR Use Only		
DNR Region	WRIA	Number
Received Date		

## WATER TYPE MODIFICATION FORM

**Date:** \_\_\_\_\_ **PDN:** \_\_\_\_\_  
 (Ferry County Planning Dept)

**Applicant's Name:** \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Parcel Number(s): \_\_\_\_\_

**Property Owner's Name (if different from Applicant):** \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Address: \_\_\_\_\_

**Surveyor/Specialist Name:** \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

**Check applicable boxes:**

- ☐ Adding streams/water bodies
- ☐ Removing streams/water bodies (**describe in Block 13**)
- ☐ Changing location of streams/water bodies (**describe in Block 13**)
- ☐ Changing water type designation
- ☐ Other (describe): \_\_\_\_\_

<b>1. Water Segment ID</b>	<b>2. Name of Water</b>	<b>3. Tributary To</b>
<b>4. Legal Description (¼, ¼ Section, Township, Range, E/W)</b>		<b>5. County</b>
<b>6. Water Type on Map</b>	<b>7. Proposed Water Type</b>	<b>8. Date(s) of Field Assessment</b>

**9. Change is based on the following (check all that apply).**

- ☐ Interdisciplinary Team (ID team) review (attach ID team report)
- ☐ Water type does not meet WAC 222-16-031 definition. Describe:

**Survey Method:**

- ☐ Protocol Electrofishing Survey (attach survey information)
- ☐ Visual observation (if you check this item, complete Blocks 10 through 13)
- ☐ Random or incremental measurements (if you check this item, complete Blocks 10 through 13)
- ☐ Fish found. List species (if known) \_\_\_\_\_
- ☐ Physical stream characteristics (if you check this item, complete Blocks 10 through 13)
- ☐ Channel is a public water diversion  
Distance from diversion \_\_\_\_\_
- ☐ Channel is a fish hatchery diversion  
Hatchery name \_\_\_\_\_  
Distance downstream from hatchery \_\_\_\_\_

**Describe (attach additional sheets if needed):**

**10. Channel Characteristics (Use stream segment tally sheet for multiple stream segment information.)**

Number of bankfull width measurements \_\_\_\_\_

Average bankfull width \_\_\_\_\_

Average stream gradient \_\_\_\_\_

Average wetted stream width \_\_\_\_\_

Ponds and impoundments >0.5 acre    Yes ☐    No ☐

Number of protocol pools \_\_\_\_\_

**11. The water type break was determined by: (For multiple segments use stream tally sheet)**

- ☐ Protocol electrofishing survey (attach survey information)
- ☐ The end of project or property boundary
- ☐ The uppermost point of perennial flow (describe in Block 13)
- ☐ The last observed fish
- ☐ Physical stream characteristics
- ☐ Other (describe) \_\_\_\_\_

Provide a description of the water type break, how it is marked in the field, and, if available, the latitude and longitude of the type break location:

**12. Are there any fish passage barriers downstream of the surveyed stream segment(s)?**

- ☐ No
- ☐ Unable to access
- ☐ Yes - mark the appropriate box(es) below
  - ☐ Natural barriers      ☐ Falls      ☐ Cascades      ☐ Bedrock chutes
  - ☐ Other (describe) \_\_\_\_\_

For Natural barrier: Length: \_\_\_\_\_ Height: \_\_\_\_\_ Gradient: \_\_\_\_\_

- ☐ Temporary barriers (i.e., logjams)
- ☐ Man-made barriers; Describe: \_\_\_\_\_

Were fish observed above the barrier?    ☐ Yes    ☐ No

Fish passage barriers were identified by:    ☐ Maps    ☐ Field observation

Describe location or barrier downstream: \_\_\_\_\_

**13. Provide any additional clarifying information and list attachments: (survey cards, photos of type break, field notes, expert report and stationing)**



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## Water Type Modification Form Instructions

### General Information

The Water Type Modification Form is used to propose changes to Washington State Department of Natural Resources (DNR) Water Type Maps, which Ferry County uses to determine compliance with the County's Critical Area Ordinance (CAO) and Shoreline Master Program (SMP).

DNR has jurisdiction for water typing decisions specific to forest land as defined in [RCW 76.09.020\(15\)](#). Proposed water type modifications that occur on non-forest lands do not reflect decisions made by DNR, but they may update its GIS data for these areas based on validated information it receives from local governments and other entities.

Water type changes on non-forest land must meet the water classification definition in [WAC 222-16-031](#) and pass a concurrence review by the area biologist from WDFW and/or the forest practices representative from Ecology. Depending on the location, local tribes may also participate in the review and concurrence process.

The applicant will be notified when a decision has been made. When DNR receives the required information and the Concurrence Summary Form, it will update the GIS data. It generally takes one month for the changes to appear on the Water Type Map.

You can submit one (1) map for multiple changes but, you must submit a separate Water Type Modification Form for each change. If you are showing multiple changes on the map, please label each change and reference them to the accompanying form.

### Mapping Standards

- The location of each requested change must be shown.
- Information must be displayed clearly and legibly.
- Water body location changes do not require the additional information necessary for changing water types.
- Use the identifier from Block 1 of the accompanying Non-Forest Land Water Type Modification Form to label each mapped change.
- Use blue or black permanent ink; do not use highlighters.

More information can be found online at: [dnr.wa.gov/forest-practices-water-typing](http://dnr.wa.gov/forest-practices-water-typing) and you can use the DNR mapping tool found here: <https://fpamt.dnr.wa.gov/default.aspx#>

## Form Instructions

Provide as much contact information as possible. When complete submit to the Ferry County Planning Department with application fee.

Check the applicable categories:

*Adding streams/water bodies.* Check this box to add streams or water bodies to the map. Use the identifier in Block 1 to show the location(s) being added to the map.

*Removing streams/water bodies.* Check this box if the streams or water bodies indicated on the map do not exist on the ground. Use labeling on the map to show the streams or water bodies that do not exist. Describe in Block 13 the evidence/reasons a stream or water body is proposed for removal.

*Changing location of streams/water bodies.* Check this box if streams or water bodies are mapped incorrectly (i.e., wrong location). If you are only changing the location of the stream or water body (not proposing a new water type) then you only need to complete numbers 1, 4, 5, 8, and 13.

*Changing water type.* Check this box if you are changing the water type per [WAC 222-16-031](#). Refer to [Forest Practices Board Manual Section 13](#) for additional information. Complete the form and show the location with identifier on the Water Type Map.

*Other.* Check this box and describe if you are identifying the Type Np/Ns water break, or identifying a water feature that does not meet a [WAC 222-16-031](#) definition. Water features may include pipelines, actively maintained irrigation ditches, or seasonal streams not physically connected by an above-ground channel system to Type S, F, or Np waters.

1. Enter an identifier for each stream, stream segment, or water body. The identifier must correspond with the identifier on the map. Do not use "S", "F", "N", "U" or "X" as the identifier label.
2. Enter the official name of the stream or water body, if known.
3. Enter the official name of the major stream or water body that the proposed water type change flows into, if known.
4. Enter the legal description of where the stream or water body exists (i.e. Section 8, Township 12 North, Range 5 West, W.M.).
5. Enter the county in which the stream or water body is located.
6. Enter the existing water type shown on the current DNR Water Type Map for the stream or water body. If the water does not currently exist on the DNR Water Type Map, enter "N/A".
7. Enter the proposed water type: "S", "F", "Np", or "Ns" (refer to [WAC 222-16-031](#)). If the stream or water body does not exist on the ground, enter "remove." If the water feature does not meet a water type defined in [WAC 222-16-031](#), enter "untyped."

8. Enter date(s) that the field assessment or a protocol survey was completed.
9. Check each box that applies. Indicate in the block the additional information as necessary.
- ☐ Interdisciplinary Team (ID team) review. Check this box if the proposed change is based upon an ID team review. Attach supporting documentation (e.g., ID Team Report or Informal Conference Note).
- ☐ Water type does not meet WAC 222-16-031 definition. Check this box only if there is a water feature that does not meet the definitions outlined in [WAC 222-16-031](#). These features may include pipelines, actively maintained irrigation ditches, or seasonal streams not physically connected by a defined channel to Type “S,” “F,” or “Np” waters. Indicate how you arrived at this conclusion. Label the location on the Water Type Map.
- ☐ Protocol Electrofishing Survey. Check this box if the proposed change is based on an electrofishing protocol survey. See Forest Practices Board Manual Section 13 for information on conducting a protocol survey. A WDFW Scientific Collection Permit is required if performing an electrofishing survey. Attach survey information.
- ☐ Visual Observation. Check this box if the proposed change is based on visual observations made in the field.
- ☐ Random or Incremental Measurements. Check this box if the proposed change is based on measurements taken in the field. Document the measurements in Block 10.
- ☐ Fish Found. Check “yes” if fish were found and indicate the species, if known. Check “no” if fish were not found.
- ☐ Physical Characteristics. Check this box if the proposed change is based on bankfull width, gradient, or seasonality. Default physical characteristics for presumed fish use are provided in WAC 222-16-031.
- ☐ Channel is a Public Water Diversion. Check this box if there is a public water diversion to more than 10 residential or camping units, or to a public accommodation facility licensed to serve more than 10 people from this channel. Attach a copy of the Ecology Water Right, or indicate its reference number. Indicate the distance from the diversion and whether the proposed change is upstream or downstream of the diversion. Refer to [WAC 222-16-031\(3\)](#) for more information.
- ☐ Channel is a Fish Hatchery Diversion. Check this box if water is diverted from this channel to a fish hatchery. Enter the name of the hatchery. Indicate the distance to the hatchery and whether the proposed change is upstream or downstream from the hatchery diversion. Refer to [WAC 222- 16-031\(2\)\(b\)](#) for more information.
10. Indicate how the stream channel characteristics were measured. (Use the Segment Tally Sheet for multiple stream segments). Provide the following channel characteristics information:

Enter the number of bankfull width measurements used to calculate the average.

Enter the average bankfull width measurement.

Enter the average stream gradient.

Enter the average wetted stream width at the time of the survey.

Enter the number of protocol pools that were surveyed.

If a pond or impoundment greater than 0.5 acre in size at seasonal low flow exists within the surveyed segment, check "yes." If it does not exist, check "no."

11. Indicate how the location of the water type break was determined, Check all boxes that apply.

☐ Protocol Electrofishing Survey. See [Forest Practices Board Manual Section 13](#) for information on conducting a protocol survey. A [WDFW Scientific Collection Permit](#) is required if performing an electrofishing survey.

☐ End of Project or Property Boundary. Describe in Block 13 how the end of the project or property boundary was determined.

☐ Uppermost Point of Perennial Flow. Describe in Block 13 how the uppermost point of perennial flow was determined.

☐ Last Fish Observed. Describe the location, species, and size of the last fish observed in Block

☐ Physical Characteristics. Using [WAC 222-16-031\(3\)\(b\)\(i\)](#), describe stream characteristics observed in the field in Block 13. When describing physical characteristics, be aware that:

Waters having any of the following characteristics are presumed to have fish use:

Stream segments having a defined channel of 2 feet or greater within the bankfull width in Western Washington; or 3 feet or greater in width in Eastern Washington; and having a gradient of 16 percent or less;

Stream segments having a defined channel of 2 feet or greater within the bankfull width in Western Washington; or 3 feet or greater within the bankfull width in Eastern Washington, and having a gradient greater than 16 percent and less than or equal to 20 percent, and having greater than 50 acres in contributing basin size in Western Washington or greater than 175 acres contributing basin size in Eastern Washington, based on hydrographic boundaries;

Ponds or impoundments having a surface area of less than 1 acre at seasonal low water and having an outlet to a fish stream;

Ponds or impoundments having a surface area greater than 0.5 acre at seasonal low water.

12. Indicate the presence of fish passage barriers downstream from the stream segment.

Check “no” if fish passage barriers do not exist downstream of the surveyed stream segment and continue to Block 13. Check “yes” if fish passage barriers do exist downstream of the surveyed segment and indicate the following:

☐ Natural Barrier. Check if a natural barrier exists downstream of the surveyed stream segment. Indicate if it is a falls, cascades, bedrock chute, or other, and describe. Enter the length, height, width, and gradient of the natural barrier.

☐ Temporary Barrier. Check if a temporary barrier exists downstream of the surveyed stream segment.

☐ Man-made Barrier. Check if a man-made barrier exists downstream of the surveyed stream segment and describe it.

Indicate if fish were observed upstream of the barrier. Indicate how fish passage barriers were identified. If maps were used, specify which maps. Describe the location(s) of fish passage barriers downstream of the surveyed segment. Provide latitude and longitude if possible.

13. Provide any additional information that will assist with the review process. You may include additional information in the space provided or on a separate page. Include the WTMF question number that each comment refers to.

Submit completed form to the Ferry County Planning Department with the applicable fees.



## Water Type Map Instructions


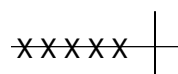
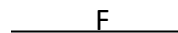
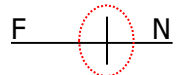


Water Type Maps are available from the Washington State Department of Natural Resources (DNR) website via the Internet at [dnr.wa.gov/forest-practices-water-typing](http://dnr.wa.gov/forest-practices-water-typing) or from DNR region offices. To download or request a map, you will need to know the legal description (section, township, and range) of the area in which you are working. Please contact your local county assessor if you need help determining the legal description. DNR will also accept DNR's Water Type Maps, local government entity maps, and company-generated GIS maps (see next page for alternate map standards) as the base map for requested non-forest land water type modifications.

You may print your map(s) in color or black and white. Color maps are preferred. Use a medium point black or blue pen for handwritten information on your map. Blue ink is easier to read on a black and white map; black ink is easier to read on a color map. Use the following legend to indicate information on your map.

### Mapping Standards

- The location of each requested change (add, delete, location change, water type change) to the DNR GIS hydrography layers must be shown. This may be depicted on one map or multiple maps.
- Information must be displayed clearly and legibly.
- Water body location changes do not require the additional information necessary for changing water types.
- Use the identifier from Block 1 of the accompanying Non-Forest Land Water Type Modification Form to label each mapped change.
- Use blue or black permanent ink; do not use highlighters.

Legend (If you choose different symbols, include your own legend)

	New stream
	Stream removal or incorrect stream location. Mark clearly the point on the stream where the change occurs.
	Proposed water type (S, F, Np, Ns). Use one (1) per stream segment
	Break between water types within the same segment (S, F, Np, Ns)
	Start and end points of the entire surveyed reach
	Natural fish passage barriers Man-made barriers

## **Water Type Modification Alternate Map Standards**

- Scale:** 1-inch to 1,000-feet (same scale as DNR Water Type Maps)
- Color:** Color or black and white. Black ink should be used on color maps; blue ink on black and white maps. Do not use pencil, light colors, or highlighters.
- Legibility:** All notations must be legible.
- Features:** Must contain the following layers. Numbers 1 through 4 below are found online at [dnr.wa.gov/programs-and-services/forest-practices/providing-gis-data-forest-practices-activities-throughout](http://dnr.wa.gov/programs-and-services/forest-practices/providing-gis-data-forest-practices-activities-throughout)
1. Current DNR hydro layers: water courses, and water bodies;
  2. DNR geographic registration tic marks (minimum of 4 tic marks required);
  3. Section, Township, and Range lines and numbers;
  4. DNR transportation layers;
  5. Contours (maximum of 40-ft interval) generated from 10 meter DEM; and
  6. North arrow
- Paper Size:** 8 ½ x 11 inches (letter), 8 ½ x 14 inches (legal), or 11 x 17 inches (tabloid)
- Paper Type:** Matte finish paper. Do not use glossy finishes, Mylar, plastic, film, or tracing paper.
- Edges:** Straight edges with square corners.
- Margins:** At least ¼-inch margins on all sides.

Segment Tally Sheet								
Segment	Number of Bankfull Width Measurements	Average Bankfull Width	Average Gradient	Average Wetted Width	Number of Protocol Pools	Ponds and Impoundments > 0.5 acre	Describe Water Break	Describe Fish Passage Barriers