Instructions for the Water Type Modification Form

The Water Type Modification Form and the Water Type Map are used to propose changes to Washington State Department of Natural Resources (DNR) GIS mapping system hydrography layers (streams and lakes).

- You may use one (1) map for multiple changes (add, delete, water type change, etc.) to the hydrography layers (if the information can be displayed clearly).
- You must submit a separate water modification form for each water type change (E.g., Type N to Type F). For multiple stream segments with similar water typing provide information on the segment tally sheet. The only exception allowed is when adding (non-typed water) or deleting multiple streams you do not need to provide information on the segment tally sheet.
- Landowners that choose to use a map other than the DNR water type map follow Alternate Map Standards on page 5 of the instructions.
- If you show multiple changes on the map – label each change referring to the accompanying form.
- Use blue or black permanent ink and no highlighters.
- The proponent will be notified when a decision has been made.

Check applicable boxes:

[ ] Adding streams/lakes. Check this box to add streams or lakes to the map.
  - If you are also proposing a Water Type (S, F, Np, Ns) for this stream or lake, complete the form.
  - If a water type is not being proposed and you are only showing the location of the water, complete Blocks 1, 4, 5, 8, 9 and the Proponent’s information (1, 4, 5, 7, 8, 9 and Proponent’s info are marked with an * on the form)
  - Show the location with labeling on the Water Type Map or on a map that meets the Alternate Map Standards.

[ ] Removing streams/lakes. Check this box if streams or lakes show on the map that do not exist.
  - Complete Blocks 1, 4, 5, 8, 9, and the Proponent’s information (all marked with an * on the form).
  - Show the location with labeling on the Water Type Map or on a map that meets the Alternate Map Standards.

[ ] Changing location of streams/lakes. Check this box if streams or lakes are in the wrong location on the map.
  - Complete the form if you are proposing a Water Type for this stream or lake.
  - Complete Blocks 1, 4, 5, 8, 9, the proponent’s information (all marked with an * on the form) if you are only changing the location of water (not proposing a new water type).
  - Show the location with labeling on the Water Type Map or on a map that meets the Alternate Map Standards.

[ ] Changing water type. Check this box if you are changing the water type per WAC 222-16-031 and Board Manual Section 13, Part 6. Complete the form and show the location with labeling on the Water Type Map or on a map that meets the Alternate Map Standards.
  NOTE: Changes based on physical characteristics can only be accepted for changes to streams from Non-Fish (N) to Fish (F), Non-Fish Perennial (NP) to Non-Fish Seasonal (NS), and Non-Fish Seasonal (NS) to Non-Fish Perennial (NP).

[ ] Other. Describe ________________ Check this box and briefly describe if you are:
  - Verifying N streams with a protocol survey, or
  - Identifying the Np/Ns 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.
Complete the form and show the location with labeling on the Water Type Map or map that meets the Alternate Map Standards.

Block 1. A letter labeling each stream, stream segment, lake or pond must correspond to the same letter on the map. Do not use ‘S’, ‘F’, ‘N’, ‘U’ or ‘X’.

Block 2. If stream’s name is unknown, leave blank. Otherwise, fill in the official name of the stream or water body.

Block 3. Name of the water the stream flows into. If unknown, leave blank.

Block 4. Legal description of stream segment that you are proposing to change. Describe to the nearest ¼¼ section. (Example: NE¼ NE¼ Section 8, Township 12 North, Range 5 West, W.M.)

Block 5. County(ies) in which the stream or stream segment is located.

Block 6. Provide the existing water type shown on the current Forest Practices Water Type Map. (See WAC 222-16-031)

Block 7. Provide the proposed water type - Use S, F, Np or Ns (See WAC 222-16-031). If you are not proposing a water type, or if water feature does not meet WAC 222-16-031 definition, enter “U” (untyped) or “n/a” (not applicable).

Block 8 Date of field assessment or protocol survey.

Block 9 If you have an existing approved Forest Practices Application/Notification (FPA/N) please write in the number(s). If the water modification form is submitted with an FPA/N, the DNR will fill in the FPA number on this form.

Block 10 Check each box that applies. Indicate in the block the following information for any box checked: (attach protocol survey, ID team report or additional information as necessary).

- Survey methods (Electro-fishing, ID Team, visual observation, random measurements, incremental measurements, etc.).
- List the species of fish observed (if applicable).
- Describe the start and end points of the protocol survey (also show on map).

**NOTE:** See WAC 222-16-031, Forest Practices Board Manual Sections 2 and 13. Alternate protocol survey requires ID team documentation (ID team report or informal conference note) that clearly states reason for decision.

Check if survey is based on “Physical characteristics”.

**NOTE:** Physical characteristics can only be used for changes from non-fish to fish (N to F), Non-Fish Perennial (NP) to Non-Fish Seasonal (NS) and Non-Fish Seasonal (NS) to Non-Fish Perennial (NP). Physical characteristics should not be used when down grading from fish to non-fish (F to N). See WAC 222-16-031(6)(f) and Forest Practices Board Manual 13 part 6

If you check “Public water diversion,” (more than 10 camp units, public accommodation facility licensed to serve more than 10 people) also include:

- Attach a copy of Department of Ecology water right or indicate the DOE reference number.
- Indicate the distance downstream from survey segment to the diversion.
- Show the location of diversion on the Water Type Map or on a map that meets the Alternate Map Standards.
If you check “Fish hatchery diversion,” also include:

- Indicate the hatchery name (this includes state, tribal, federal, and private).
- Indicate the distance downstream from survey segment to the hatchery diversion.
- Show the hatchery diversion location on the Water Type Map or on a map that meets the Alternate Map Standards.

“Water feature does not meet WAC 222-16-031 definition.” Check this box only if there is a surface 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. If you check this box:

- Indicate how you arrived at this conclusion. For example, “seasonal stream not connected by surface channel to S, F or N water.”
- In Block 7, Proposed Water Type - enter "n/a" (not applicable).
- Show the location with labeling on the Water Type Map or on a map that meets the Alternate Map Standards.

Block 11 Using the box provided, describe the methods used to determine if the water levels were Above Normal, Normal, or Below Normal. Include the following:

- Indicate if a drought warning was issued. If stream flows were affected by drought conditions.
  - If drought conditions did affect fish distribution, explain why the change proposal is still appropriate.
  - If above normal conditions influenced fish distribution.
- If additional space is needed describe in block 16 or attach additional sheets if needed.

Block 12 Provide the following channel characteristics information:

- Indicate the number of bankfull width measurements used to calculate average.
- Indicate the widest and narrowest bankfull width measurements.
- Indicate the average bankfull width.
- Indicate the steepest and lowest stream gradient.
- Indicate the average stream gradient.
- Indicate the average wetted stream width at time of survey.
- Indicate if you have a pond or impoundment greater than 1/2 acre in size at seasonal low flow.
- If using Electrofishing Protocol Survey, indicate the number of protocol pools surveyed.

Block 13 Using the box(es) provided, explain how the location of the water type break was determined and describe what it looks like on the ground and how it is marked. If available, provide latitude and longitude location of type break. If additional space is needed, describe in block 16 or attach additional sheets if needed.

Block 14 Check the type of any fish passage barrier and show location on the Water Type Map or on a map that meets the Alternate Map Standards. Indicate if you are aware of barriers, unable to access property downstream, and if the stream above the barrier meets physical characteristics. Identify if fish were observed above the barrier.

Block 15 Is there evidence of recent mass wasting or scouring from debris flows, flood events, etc. If so, estimate when the event occurred. Use the box provided to describe, how the stream changed. Such as more/less gravel, more/less sediment, more/less sand bars, the direction of the stream changed, stream flow changed, more/less pools, more/less woody debris. If additional space is needed describe in block 16 or attach additional sheets if needed.

Block 16 Provide any additional information that will assist in review process.
Water Type Maps are available from the Washington State Department of Natural Resources (DNR) FPARS website via the Internet at http://www.dnr.wa.gov/forestpractices or any DNR region office. Applicants need to know the section, township, and range (legal description) in order to download or request a map. Please contact the county assessor if you need help determining your legal description.

You may print these maps in color or black and white. Color maps are preferred. Use a medium point black or blue pen. 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.

DNR will accept DNR’s Water Type Maps or company generated GIS maps (see next page for alternate map standards). Use the following legend to indicate information on your map.

**Legend**

**NOTE: If you choose different symbols, include your own legend**

- **X X X X X** Stream removal or incorrect stream location. *Mark clearly the point on the stream where the change occurs.*

- **———** New stream

- **Wetland** New water body (please indicate lake or wetland) *Include any locations of defined channels within a wetland if they exist.*

- **F** Proposed water type (Block 7 on form) (S, F, Np, Ns). *Use one (1) letter per stream segment*

- **NONE** Water feature that has no type. Use this for adding water without a water type or for a surface water feature that does not meet a WAC 222-16-031 definition. *Mark clearly the point on the feature where the change occurs.*

- **F | N** Break between water types within the same segment (S, F, Np, Ns)

- **[ ]** The start and end points of the entire surveyed reach

- **▼** Natural fish passage barriers

- **■** Man-made barriers
Water Type Modification Form
Alternate Map Standards

If you choose to use a map, other than DNR Water Type Map, it must meet the following standards:

Scale: 1 inch to 1,000 feet (same scale as the Water Type Maps)

Color: Color maps will be accepted if they can be read when copied in black and white or if additional copies are provided. Contact the region office to find out how many copies are needed.
- Lettering: Black ink is preferred on color maps. Blue ink is preferred on black and white maps.
- Lines: Do not use pencil, light colors, or highlighters.

Features: Maps must show the following features. If you have altered DNR’s feature layers on your GIS system, you will need to use a DNR Water Type Map or obtain current DNR GIS layers (1 - 4 below) from https://fortress.wa.gov/dnr/servicessa/dataweb/dmmatrix.html
  1. Current DNR hydrography layers: water courses (WC) and water bodies (WBWS)
  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 40 ft. interval) generated from 10 meter DEM
  6. North arrow (not available from DNR)

Paper Size: 8 ½ " x 11" (letter), 8 ½" x 14" (legal) or 11" x 17" (tabloid). Contact the Forest Practices Division’s Hydrography Data Steward at (360) 902-1400 if you want to submit larger size maps.

Paper Type: Use matte finish paper. DO NOT use glossy finishes, mylar, plastic, film, or tracing paper

Edges: Straight edges with square corners

Margins: At least ¼” on all sides