



WASHINGTON STATE

Joint Aquatic Resources Permit Application (JARPA) Form^{1,2} [\[help\]](#)

USE BLACK OR BLUE INK TO ENTER ANSWERS IN THE WHITE SPACES BELOW.



US Army Corps of Engineers®
Seattle District

AGENCY USE ONLY

Date received:

Agency reference #:

Tax Parcel #(s):

Part 1—Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [\[help\]](#)

M2 Barkley Bear Habitat Improvement Project

Part 2—Applicant

The person and/or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle)

Chris Johnson

2b. Organization (If applicable)

Methow Salmon Recovery Foundation

2c. Mailing Address (Street or PO Box)

PO Box 755

2d. City, State, Zip

Twisp, WA 98856

2e. Phone (1)

(509) 429-1232

2f. Phone (2)

(509) 996-2787

2g. Fax

2h. E-mail

chrisj@methowsalmon.org

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at <http://www.nws.usace.army.mil/Missions/CivilWorks/Regulatory/PermitGuidebook/EndangeredSpecies.aspx>.
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you need a Shoreline permit, contact the appropriate city or county government to make sure they accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to

http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.

Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b of this application.) [\[help\]](#)

3a. Name (Last, First, Middle)			
3b. Organization (If applicable)			
3c. Mailing Address (Street or PO Box)			
3d. City, State, Zip			
3e. Phone (1)	3f. Phone (2)	3g. Fax	3h. E-mail

Part 4—Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. Consider both **upland and aquatic** ownership because the upland owners may not own the adjacent aquatic land. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple upland property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.
- Your project is on Department of Natural Resources (DNR)-managed aquatic lands. If you don't know, contact the DNR at (360) 902-1100 to determine aquatic land ownership. If yes, complete [JARPA Attachment E](#) to apply for the Aquatic Use Authorization.

4a. Name (Last, First, Middle)			
Ramcke, Kurt and Pearl			
4b. Organization (If applicable)			
4c. Mailing Address (Street or PO Box)			
40 Lower Bear Creek Rd			
4d. City, State, Zip			
Winthrop, WA 98862			
4e. Phone (1)	4f. Phone (2)	4g. Fax	4h. E-mail
(509) 860-6167			kramcke@centurytel.net

Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g. linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]			
<input checked="" type="checkbox"/> Private <input type="checkbox"/> Federal <input type="checkbox"/> Publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Department of Natural Resources (DNR) – managed aquatic lands (Complete JARPA Attachment E)			
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]			
48/40 Lower Bear Creek Road			
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]			
Winthrop, WA 98862			
5d. County [help]			
Okanogan			
5e. Provide the section, township, and range for the project location. [help]			
¼ Section	Section	Township	Range
NW	13	34N	21E
5f. Provide the latitude and longitude of the project location. [help]			
<ul style="list-style-type: none"> Example: 47.03922 N lat. / -122.89142 W long. (Use decimal degrees - NAD 83) 			
48.4500 N lat./ -120.1625 W long.			
5g. List the tax parcel number(s) for the project location. [help]			
<ul style="list-style-type: none"> The local county assessor's office can provide this information. 			
6100090000, 6100100002, 8812400020, 8812400030, 5300060000, 6100150002, 5300050000, 5300040000 and associated Common Areas			
5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [help]			
Name	Mailing Address	Tax Parcel # (if known)	
See Attachment C			

5i. List all wetlands on or adjacent to the project location. [\[help\]](#)

Five (5) unnamed wetlands are located within or adjacent to the project locations. These wetlands are designated with labels A-E for the purposes of this document. Wetlands are discussed in more detail below.

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [\[help\]](#)

Methow River, Bear Creek

5k. Is any part of the project area within a 100-year floodplain? [\[help\]](#)

Yes No Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

The majority of the project site is located within the 100-year floodplain and consists of perennial and seasonal river channels, riparian, floodplain, wetland, and upland areas associated with the Methow River. The work site extends from approximately River Mile 49 to RM 50 of the Methow River, and includes the lower 1,000 ft. of Bear Creek from its confluence with the Methow River to the Lower Bear Creek county road.

The site is confined to the river channel (Methow River) and lands on the left bank of the river. Habitat includes riparian cottonwood forest, agricultural pastureland, residential subdivision open space, and State Owned Aquatic Lands (SOAL). Existing anthropogenic infrastructures includes a large irrigation diversion intake (Barkley Canal) and associated headworks, fish screen facility, and bank armoring (rip-rap). The surrounding upland area is rural residential, shrub steppe and agricultural pastureland. The valley bottom is largely a rural residential landscape with some agricultural fields and riparian forest stands. The majority of the project area has been altered by human disturbances. Road and levee construction, ditch operations, and riparian clearing have altered habitat availability and floodplain functions; exotic species are abundant.

5m. Describe how the property is currently used. [\[help\]](#)

The properties are located along the left bank of the Methow River. Uses include rural residential, open space, and agricultural production. The irrigation intake, headworks, fish screen facility and a portion of the Barkley Canal are all located within the Project Area. The section of the Methow River adjacent to the project area is popular for recreational activities including fishing, rafting, and boating.

5n. Describe how the adjacent properties are currently used. [\[help\]](#)

Adjacent properties are used for rural residential, agriculture, and conservation.

5o. Describe the structures (above and below ground) on the property, including their purpose(s) and current condition. [\[help\]](#)

The project area encompasses portions of 5 private properties and associated common area open space. Structural improvements within the active project area include infrastructure owned by the Barkley Irrigation Company (includes a headgate, two footbridges, intake canal, fish bypass, and fish screen facilities). Private improvements within the work area are limited to fences and small pedestrian access bridges. Structures on the areas of the properties that will not be impacted by this project include 5 single family residences, various outbuildings, and associated wells, septic systems, access roads, and other appurtenances typical for residential/agricultural properties in the area.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

A project parking area is available near the river at 48 Lower Bear Creek Road.

From WA-20 in Twisp, WA:

- Head south on WA-20
- Turn left onto Twisp-Winthrop Eastside Rd and travel 7.7 mi
- Turn left onto Lower Bear Creek Rd and travel 0.4 mi
- Turn right, and after approximately 0.2 mi the destination will be on the right

Part 6—Project Description

6a. Briefly summarize the overall project. You can provide more detail in 6b. [\[help\]](#)

The M2 Restoration Project is an active restoration effort developed by the Methow Salmon Recovery Foundation and the Department of Interior, Bureau of Reclamation to restore natural processes and protect and improve in-stream, riparian, floodplain, and side channel habitat along the Methow River between the towns of Twisp and Winthrop, hereafter referred to as the M2. The project has been developed to support implementation actions designed to enhance and restore habitats for ESA-listed spring Chinook salmon and steelhead in support of the recommendations identified in the Upper Columbia Salmon Recovery Plan (UCSRB, August 2007) and the Middle Methow Reach Assessment (Bureau of Reclamation, August 2010). Previous projects completed by MSRF for this M2 restoration effort include M2 Whitefish Island (2012), M2 River Mile 46 (2012), M2 WDFW Floodplain (2013), M2-3R (2014), M2 Derelict Car Removal (2015), and M2 WDFW Flow Connection (2018).

This segment of the M2 project centers around the opportunities to restore habitat following abandonment of the upper segment of the Barkley Irrigation Company infrastructure. The actions include work within and adjacent to the Methow River and at the lowest segment of Bear Creek. Collectively, this Project is known as the M2 Barkley Bear Project. Proposed actions will build on previous efforts within the larger M2 Reach. The defined work area is located on the Methow River between River Mile (RM) 49-50, and is immediately upstream and adjacent to the 2012 Whitefish Island project.

6b. Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

The purpose of the M2 Project is to improve ecological function and instream, off-channel, riverine wetland, and riparian habitats for the benefit of fresh-water life stages of ESA-listed spring Chinook Salmon, steelhead, Bull Trout, and Pacific Lamprey. The M2 Barkley Bear Project will build on efforts by others to replace the current surface water diversion supplying the Barkley Canal Company with a shared diversion at a downstream site currently managed by the Methow Valley Irrigation District (MVID). This proposed change in diversion location reduces impacts to this reach of the river by moving the point of diversion downstream roughly 3.5 miles. This action creates the opportunity for a large-scale habitat restoration project at the site of the current Barkley diversion.

The M2 Barkley Bear habitat project design has been developed through a regionally coordinated, process-based and scientifically-informed restoration approach. This approach included representative members of most permitting agencies, the Upper Columbia Salmon Recovery Board, and the federal action agencies funding the recovery efforts. The project has been developed to address ecological concerns and habitat conditions believed to limit fish survival and production within this reach of the Methow River, while balancing community interests and private property rights. The project has been intentionally timed to coincide with efforts being undertaken efforts to relocate the point of diversion for the Barkley Irrigation Company intake. As such, a significant focus of the project will be to remove the anthropogenic features that will no longer be required for delivery of irrigation water. The combined benefits of the two projects will include increased river flows and floodplain connectivity throughout the restored 3+ mile reach. The project will also restore a functional connection between Bear Creek and the Methow River that has been disrupted for more than 100 years.

This project will remove rip-rap bank armoring historically placed to protect the Barkley Canal from seasonal high water on the Methow River. The project will also remove a concrete head gate at the Barkley Canal point of diversion. Both the rip-rap and the headgate are perceived to provide some level of protection to a number of adjacent private parcels – as such, the project has been engineered to define and address potential erosion concerns. The project also includes construction of habitat features designed to provide and improve rearing habitat for target species. The proposed restoration actions have been developed to balance biological objectives with identified development constraints. The project has also been developed to support fish population resilience in the face of anticipated impacts due to climate change.

The project includes the following key elements:

- Construct a new inlet channel paired with an apex logjam to increase the sustainability of the existing and reconnected side channels
- Remove the concrete and steel Barkley headgate and conversion of the existing intake canal to a side channel feature to increase floodplain connectivity– this will be constructed with a perennial connection, but may evolve towards a long seasonal connection.
- Build 4 engineered logjams to increase channel complexity in the existing island side channel (“1970’s Channel”).
- Construct multiple small log structures to promote channel development and add help define the island flow path.
- Restore a perennial connection between Bear Creek and the Methow River by removing the fish screen and associated infrastructure, filling a portion of the Barkley Canal, and constructing a new outlet channel.
- Build an engineered logjam in the main stem Methow to increase instream complexity near the outlet of Bear Creek.
- Plant approximately 3 acres of previously cleared areas with native riparian trees and shrubs to restore a functional riparian forest buffer.
- Remove 650 feet +/- of riprap on the left bank of the Methow River to increase floodplain connectivity.

6c. Indicate the project category. (Check all that apply) [\[help\]](#)

- Commercial
 Residential
 Institutional
 Transportation
 Recreational
 Maintenance
 Environmental Enhancement

6d. Indicate the major elements of your project. (Check all that apply) [\[help\]](#)

<input type="checkbox"/> Aquaculture	<input type="checkbox"/> Culvert	<input type="checkbox"/> Float	<input type="checkbox"/> Retaining Wall (upland)
<input type="checkbox"/> Bank Stabilization	<input type="checkbox"/> Dam / Weir	<input type="checkbox"/> Floating Home	<input type="checkbox"/> Road
<input type="checkbox"/> Boat House	<input checked="" type="checkbox"/> Dike / Levee / Jetty	<input type="checkbox"/> Geotechnical Survey	<input checked="" type="checkbox"/> Scientific Measurement Device
<input type="checkbox"/> Boat Launch	<input type="checkbox"/> Ditch	<input type="checkbox"/> Land Clearing	<input type="checkbox"/> Stairs
<input type="checkbox"/> Boat Lift	<input type="checkbox"/> Dock / Pier	<input type="checkbox"/> Marina / Moorage	<input type="checkbox"/> Stormwater facility
<input type="checkbox"/> Bridge	<input type="checkbox"/> Dredging	<input type="checkbox"/> Mining	<input type="checkbox"/> Swimming Pool
<input type="checkbox"/> Bulkhead	<input type="checkbox"/> Fence	<input type="checkbox"/> Outfall Structure	<input type="checkbox"/> Utility Line
<input type="checkbox"/> Buoy	<input type="checkbox"/> Ferry Terminal	<input type="checkbox"/> Piling/Dolphin	<input type="checkbox"/> Riparian Restoration
<input checked="" type="checkbox"/> Channel Modification	<input type="checkbox"/> Fishway	<input type="checkbox"/> Raft	

- Other: environmental enhancement – The project elements are designed to restore river processes, to the greatest extent possible w/o threatening infrastructure or private property.

6e. Describe how you plan to construct each project element checked in 6d. Include specific construction methods and equipment to be used. [\[help\]](#)

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year floodplain.

This project will be constructed using heavy equipment – removal of existing rip-rap and infrastructure will be completed using tracked excavators, dump trucks, and loaders. Riparian re-vegetation and monitoring efforts will be conducted using a mixture of light construction equipment and hand tools. Re-alignment and enhancement of Bear Creek and high flow floodplain flow channels associated with the Methow River will be completed with tracked excavators and loaders and will involve balanced placement and fill of native materials within the defined 100-year floodplain of the Methow River. All proposed project improvements and staging areas are within the 100-year floodplain. Spoils disposal areas are outside of the 100-year floodplain. See Sheets 6-9 for the project features.

Construction Activities

Temporary Access will be constructed/cleared as needed to install project features. Temporary access routes will generally follow existing access routes through cleared areas to minimize disturbance to existing vegetation. Temporary access for channel enhancements will require two live crossings of the existing Methow River side channel. The first crossing is required to isolate the side channel. The second crossing is required to reconnect the side channel once the island and side channel features are complete and work area isolation is removed.

General Earthwork includes excavation, hauling, and backfilling of native materials. Earthwork associated with construction/placement of the large wood structures will likely be in coarse gravel/cobble material with a variable sand fraction. Earthwork associated with side channel construction is expected to be finer textured soils. Material associated with the levee removal includes placed large angular rocks and finer soil fill material.

Generally, a majority of the excavation may be accomplished efficiently using a tracked excavator with an appropriately sized bucket. Material hauling within the project area may be accomplished with a dump truck. In general, the majority of backfill could be accomplished efficiently using a tracked excavator. All heavy equipment used in or near water on this project will only use hydraulic fluid certified as nontoxic to aquatic organisms.

Work Area Isolation. Work areas will be isolated from active flows by placement of temporary coffer dams. Work in the side channel and island area will be isolated by coffering off the side channel inlet. When this work is completed, the coffer dam will be removed allowing flow back through the side channel. This requires two live crossings of the side channel. The levee work area will be isolated to exclude fish and contain sediment during levee removal.

The new outlet channel for Bear Creek will be constructed while maintaining flow down the existing channel. Once the new channel is constructed, fish will be salvaged from the existing channel, and flow will be slowly introduced to the new channel following the staged re-watering plan outlined in the BPA HIP Handbook. Once the new channel is wetted up and fish salvage is complete, the remainder of the flow will be diverted into the new channel and the old channel will be filled to blend into the surrounding landscape.

Fish Exclusion. Fish will be excluded from all in-water work areas using a combination of block nets and coffer dams. Once fish exclusion is established, fish will be salvaged from the isolated areas using seines and electrofishing. Electrofishing will follow the NMFS's electrofishing guidelines (NMFS 2000).

Water Control. Water control is required for work that will be completed in areas of live flow – this will include installing some habitat features, removal of concrete headgate and flow return structures, and removal of some rip-rap armor. Where active pumping is required to avoid turbidity impacts to surface water, temporary

pumps will be employed to lower water to a level that allows construction or deconstruction activities. Pumping is expected to be employed during the installation of the engineered logjams (ELJ's), removal of the canal headgate, and during levee removal. Construction water will be discharged to an upland area or through the Barkley Canal to provide sufficient time for water to infiltrate and sediment to settle out.

Specific Project Features

Island Apex ELJ - The area where the Island Apex ELJ (Sheet 7 & 15) will be built is expected to be above active flow at the time of construction. This feature includes 6 vertical plies and 15 habitat logs. Once the piles are driven with a vibratory driver, the horizontal logs will be placed and pinned to the vertical plies. The horizontal logs will be placed at grade, with excavation only required around the root-balls to allow the remaining logs to lie flat. Slash and small woody debris will be placed in the interstitial spaces and below the horizontal logs. The back side of the structure will be backfilled using material from root ball excavation and other project elements.

Side Channel ELJ's - Three Side Channel ELJ's (Sheet 7 & 16) will be constructed within the side channel to provide complex habitat. These structures will be built following isolation of the side channel. Each structure includes 7 vertical piles and 17 horizontal habitat logs. Once the vertical piles are driven, a scour pool at the front of the structure will be excavated and the horizontal logs will be placed and pinned to the piles. The lowest horizontal habitat logs will be placed at grade, with the root balls extending into the excavated scour pool. Slash and small woody debris will be placed in the interstitial spaces between and below the horizontal logs.

Bank Complexity ELJ - Two Bank Complexity ELJ's (Sheet 7 & 17) will be constructed within the side channel to provide complex habitat. These structures will be built after the side channel has been isolated. Each structure includes 11 horizontal habitat logs that will be placed on-grade. A scour pool will be excavated at the front of the structure. The structural logs will be interwoven with existing trees, with key members pinned together. Slash and small woody debris will be placed in the interstitial spaces between and below the horizontal logs.

Side Channel Inlet - A new inlet to the side channel (Sheet 7) will be excavated to increase the persistence and connectivity of the side channel. The new channel includes excavation of 1,740 cy of existing river cobbles and gravels. The excavated material will be repurposed as **gravel bar supplementation** as shown on Sheet 6. All repurposed material will be placed outside of the wetted area and within the modeled 1.5-year flood area. The new channel has been designed to have a 30' bottom width and relatively steep (1:1) side slopes – this channel is expected to adjust in the first several years following construction to develop a more natural width and slope relationship. Final connection of the side channel will not be completed until the other side channel features are complete, in order to maintain isolation of the side channel during construction.

Large Wood – Island Side Channel - Sixteen (16) habitat logs will be placed within the intermittent side channel on the island in order to provide habitat and promote side channel development (Sheet 7 & 14). Half (8) of these logs will be pinned to a driven vertical pile, and the remaining 8 will be partially buried or wedged between existing trees.

Headgate and Floodplain Spoils Removal - The concrete and steel headgate structure and spoils from canal construction and operation will be removed from the active floodway. These actions are required to reconnect the floodplain and the former inlet canal with the Methow River. This work includes removal of about 150 CY of concrete and 3,600 cy of native material. Excess native material will be placed against the slope outside and above the 100-year floodplain as shown on Sheet 6.

Riprap and Levee Removal - The protective levee and rip-rap armor layer separating the Barkley intake canal from the Methow River will be removed by this project (Sheets 6, 8 & 11). Riprap and levee removal includes excavation and removal of the large rock down to 3' below the water level. Rock and fill material between the bed of the canal and the river will be removed to the greatest degree practical. The large angular rock will be hauled off-site for legal disposal. Native material will be either re-used in other project elements, or used to fill and re-grade portions of the Barkly Irrigation canal. Levee removal includes about 3,500 cy of large rock and 1,700 cy of native material.

Floodplain Scallop – The upper segment of the Barkley Canal and the floodplain surface east of the abandoned canal will be regraded to promote more frequent floodplain inundation through a meandering channel alignment / scallop (Sheet 8 & 11). This meandering channel is designed to retain water on the

floodplain and promote establishment of riparian vegetation. Floodplain channel construction and adjacent regrading will include excavation of 3,560 cy of native material. This material will be reused in other project elements, with any excess placed in the spoils disposal area outside of the 100-year floodplain as shown on Sheet 6.

Bear Creek Reconnection - The lower 700' of Bear Creek will be realigned to restore a perennial connection with the Methow River (Sheets 9, 12 & 13). Currently, Bear Creek flows into the Barkley Canal and over the concrete spill structure before flowing into the river. Constructing the new 700-foot-long channel will remove the existing barriers to upstream passage within the project area. Channel realignment will require excavation of approximately 2,060+/- cy of cobbles, gravels, and fines and will require placement of 200+/- cy of native cobble and gravel fill reused from excavation. Excess materials will be reused to support material needs for other project elements to the degree possible, with all unusable spoils being disposed of in identified areas outside of the 100-year floodplain as shown on Sheet 6.

Fish Screen Removal - The concrete and steel structures associated with the fish screen, fish return, and sluice structures will be removed. Following demolition, the areas will be filled and re-graded using material from other project features. Concrete and metal components will be hauled off-site for legal disposal or recycling.

Large Wood – Bear Creek - Twelve habitat logs will be partially buried into the bank of the new Bear Creek channel (Sheet 13). These logs will be placed as part of Bear Creek Realignment. Slash and small woody debris will be incorporated into this wood placement.

Channel Barb ELJ - Methow River - The Channel Bar BLJ (Sheet 9 & 19) will be constructed in the Methow River at the outlet of Bear Creek. This structure will be built within an area isolated by a coffer dam. The ELJ structure will include 10 vertical piles and 12 horizontal habitat logs. Once the work area is isolated and fish salvage is complete, the piles will be driven and the scour pool at the front of the structure will be excavated. The horizontal logs will be placed at grade and pinned to the piles. Slash and small woody debris will be placed in the interstitial spaces between and below the horizontal logs.

6f. What are the anticipated start and end dates for project construction? (Month/Year) [\[help\]](#)

- If the project will be constructed in phases or stages, use [JARPA Attachment D](#) to list the start and end dates of each phase or stage.

Start Date: June 15, 2020

End Date: November 30, 2022*

See JARPA Attachment D

* Includes time for possible delays and adaptive mgt.

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

\$750,000 - Engineer's estimate

6h. Will any portion of the project receive federal funding? [\[help\]](#)

- If **yes**, list each agency providing funds.

Yes No Don't know

Construction funding is provided by Bonneville Power Administration, which is Lead Federal Agency for Section 106 cultural and Section 7 ESA consultations

Part 7–Wetlands: Impacts and Mitigation

- Check here if there are wetlands or wetland buffers on or adjacent to the project area.
(If there are none, skip to Part 8.) [\[help\]](#)

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [\[help\]](#)

Not applicable

This project has been designed to avoid impacts to wetlands associated with construction or deconstruction activities. The project is intended to result in increased floodplain connectivity, which is expected to benefit wetlands on the active floodplain. Work areas have been located to avoid direct impacts to wetlands to avoid and minimize adverse impacts. Work within wetland buffers is proposed to improve / increase the connection between riverine wetlands and the river as well as to improve instream habitat. The proposed actions will not result in conversion of non-riverine wetlands to riverine wetlands.

7b. Will the project impact wetlands? [\[help\]](#)

Yes No Don't know

7c. Will the project impact wetland buffers? [\[help\]](#)

Yes No Don't know

7d. Has a wetland delineation report been prepared? [\[help\]](#)

- **If Yes**, submit the report, including data sheets, with the JARPA package.

Yes No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- **If Yes**, submit the wetland rating forms and figures with the JARPA package.

Yes No Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- **If Yes**, submit the plan with the JARPA package and answer 7g.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

Yes No Don't know

This project has been designed to avoid adverse impacts to wetlands, and to be self-mitigating for activities within wetland buffers. Reconnecting the floodplain and removing anthropogenic features reducing physical and ecological connections between the wetlands and river is expected to result in expansion of existing wetlands. The project also includes planting 4.3 acres of native riparian plants within wetland buffers and floodplain areas.

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

NA – This project is designed to avoid adverse impacts to wetlands and be self-mitigating for actions within wetland buffers. Since no work within wetland boundaries is proposed a mitigation plan should not be required.

7h. Use the table below to list the type and rating of each wetland impacted, the extent and duration of the impact, and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _____

7i. For all filling activities identified in 7h, describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

N/A – no fill will be placed in wetlands

7j. For all excavating activities identified in 7h, describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

N/A – no excavation in wetlands

Part 8—Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, “waterbodies” refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

Not applicable

The project schedule has been developed to limit in-water work to NMFS approved periods to minimize effects to sensitive aquatic organisms within the approved work window. While work in upland areas is likely to occur outside of the instream work window, storm water control measures will be required in areas where runoff could reach active river flows. Although limited short-term impacts during construction can be expected whenever work is conducted in the aquatic environment, sediment management will limit these impacts and no long-term adverse impacts to the aquatic environment are expected from this project.

Removal of the levee and rip-rap facing has the largest potential to impact water quality if completed at flows higher than base flow. MSRF has already contacted NMFS and WDFW to schedule a one-week extension to the standard in-water work window in order to maximize the effectiveness of levee and riprap removal by completing it at the end of the work window at the lowest possible flows.

Construction sequencing and methods have been specifically developed to avoid and minimize construction impacts. The contractor(s) will be required to implement best management practices for surface erosion control and water control to minimize negative impacts to the aquatic environment. The staging area will be located in areas previously disturbed from past use and at least 100-feet away from any waterbodies, and spill containment measures for all equipment used will be implemented. No fuel will be stored onsite for use by heavy equipment; however, 5 to 10 gallons of fuel in approved containers will be available for onsite for use with hand-held power tools, dewater pumps, generators, and other small engines. A fuel spill kit will be maintained onsite in case of a broken hydraulic hose or other small spill of petroleum products. Any fuel cans stored onsite will be required to be maintained in an approved containment area. No other fueling sites will be allowed.

Equipment operating with hydraulic fluid and used for work in or near surface water on this project will use only those fluids certified as nontoxic to aquatic organisms while working in or around the stream. Equipment used for this project will be inspected daily to ensure that it is free of external petroleum-based products. All disturbed areas will be revegetated to existing standards or better. Silt fencing and vegetated swales will be utilized to reduce the potential for storm water impacts to surface waters.

8b. Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes No

8c. Have you prepared a mitigation plan to compensate for the project’s adverse impacts to non-wetland waterbodies? [\[help\]](#)

- **If Yes**, submit the plan with the JARPA package and answer 8d.
- **If No, or Not applicable**, explain below why a mitigation plan should not be required.

Yes No Not Applicable

Not applicable, this project has been developed as an environmental benefit project designed to qualify for approval through the Nationwide 27 process as an environmental restoration and enhancement project. The project will improve natural river processes and should be reviewed as self-mitigating.

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g you do not need to restate your answer here. [\[help\]](#)

N/A

8e. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material (cubic yards) to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Side channel inlet excavation	Methow River	Island - In and immediately adjacent to the river	Permanent	80 CY removed	1,800 sq. ft.
Gravel bar supplementation	Methow River	Island gravel bar- river side – immediately adjacent to the river	Permanent	1500 CY placed	30,000 sq. ft.
Headgate Removal	Methow River	In and immediately adjacent to side channel/ upper Barkley Canal	Permanent	150 CY removed	2,000 sq. ft.
Levee/Riprap Removal	Methow River	In and immediately adjacent to the river	Permanent	1,500 CY removed	10,000 sq. ft.
Bear Creek Realignment	Bear Creek and confluence with Methow River	Instream	Permanent	200 CY removed, 100 CY placed, 12 pieces of large wood	4,000 sq. ft.
“1970’s Channel” wood features	Methow River	Intermittent side channel on island	Permanent	8 piles and 16 pieces of large wood	4,000 sq. ft.
Channel Barb ELJ	Methow River Near Bear Creek	In and immediately adjacent to the stream	Permanent	20 CY removed, 20 CY replaced, 10 piles, 12 pieces of large wood	1,000 sq. ft.
Island Apex ELJ	Island/Methow River	In and immediately adjacent to the stream	Permanent	6 piles and 15 pieces of large wood	1,000 sq. ft.
Bank Complexity EIJs (2)	Methow River Side Channel	In and immediately adjacent to the stream	Permanent	40 CY removed, 40 CY replaced, 11 pieces of wood	2,000 sq. ft.

Side Channel ELJ's (3)	Methow River Side Channel	In and immediately adjacent to the stream	Permanent	60 CY removed, 60 CY replaced, 7 piles and 17 pieces of large wood	3,000 sq. ft.
------------------------	---------------------------	---	-----------	--	---------------

¹ If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e, describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

Note: All fill will be provided from on-site excavated native material – there will be no net fill.

Native fill material will be stockpiled and reused in place as backfill or used as backfill in other areas of the project. No imported fill is proposed. Material will be placed with a tracked excavator. Material may be moved within the site using a tracked or wheeled loader and dump truck. Additional construction details are given above.

Gravel Bar Supplementation - Native material excavated for the side channel inlet will be placed below the 2-year flood elevation on the island gravel bar: 1500 CY native fill (reused from excavation).

Bear Creek Realignment - Bear Creek, which currently runs into the Barkley Canal, will be realigned so that it enters the Methow River while avoiding a steep drop at the outlet. Fill to abandon the existing channel will come from channel excavation: 100 CY native fill (reused from excavation).

Engineered Logjams - Native material excavated for ELJ placement will be reused for ballast material for the engineered logjams. If additional ballast material is required, materials will be sourced from excavation of other project features in the floodplain. No imported fill materials are proposed to be added to the floodplain: 120 CY native fill (reused from excavation).

8g. For all excavating or dredging activities identified in 8e, describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

Note: During construction, the majority of excess excavated material not needed for identified project elements will be spoiled onsite in areas located above the 100-year floodplain. Some excavated native material may be stockpiled for reuse in place as backfill. Some excess excavated material may also be hauled off site.

Earthwork in the active channel, island, side channel, riverbanks, and floodplain areas will involve excavation, hauling, and backfilling of native materials. Earthwork associated with a majority of the large wood placements will likely be in coarse gravel/cobble material. Earthwork associated with levee and riprap removal will likely be in coarse gravel/cobble material with a significant quantity of imported medium to large sized angular boulders. Excavation of the scallop feature will be in a mix of coarse river wash and finer grained sandy loam. Generally, a majority of the excavation may be efficiently accomplished using a tracked excavator with an appropriately sized bucket to meet clean excavation standards. Some larger areas of excavation may be efficiently graded using a bulldozer. Material hauling within the Project area may be accomplished with a dump truck (standard or articulating, depending on the condition of the haul route).

Side Channel Inlet Excavation - Work involves 1,740 cy of excavation. This material will be used for gravel bar supplementation as shown on Sheet 6

Levee and Riprap Removal - Work involves excavation of 3,500 cy of large rock and 1,700 cy of native material. Native material will be either re-used in other project elements, or used to fill and re-grade portions of the Barkly Irrigation canal.

Barkley Canal Infrastructure Removal - Work involves excavation of about 300 cy of concrete. The concrete will be hauled off-site for legal disposal.

Bear Creek Realignment - Work involves 2,050 cy of excavation, most of which is outside of water. Excess material will be reused in other project elements, with any excess placed in the spoils disposal area outside of the 100-year floodplain as shown on Sheet 6.

Engineered Logjams - Work involves a total of 120 cy of excavation, this material will be reused as ballast within the structures.

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
WDFW	Lynda Hofmann	(509) 997-9428	March 2019
NOAA	Justin Yeager	(509) 925-2637	March 2019
USFWS	Cindy Raekes		March 2019

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 of this JARPA on the Washington Department of Ecology's 303(d) List? [\[help\]](#)

- If **Yes**, list the parameter(s) below.
- If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: <https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Assessment-of-state-waters-303d>.

Yes No

Sections of the Methow River are on the list for the following parameters:

Category 5: Temperature and 2,3,7,8-TCDD

Category 4C: Instream Flow

9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [\[help\]](#)

- Go to <http://cfpub.epa.gov/surf/locate/index.cfm> to help identify the HUC.

17020008

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [\[help\]](#)

- Go to <https://ecology.wa.gov/Water-Shorelines/Water-supply/Water-availability/Watershed-look-up> to find the WRIA #.

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<p>9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [help]</p> <ul style="list-style-type: none"> Go to https://ecology.wa.gov/Water-Shorelines/Water-quality/Freshwater/Surface-water-quality-standards/Criteria for the standards.
<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not applicable</p>
<p>9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [help]</p> <ul style="list-style-type: none"> If you don't know, contact the local planning department. For more information, go to: https://ecology.wa.gov/Water-Shorelines/Shoreline-coastal-management/Shoreline-coastal-planning/Shoreline-laws-rules-and-cases.
<p><input type="checkbox"/> Urban <input type="checkbox"/> Natural <input type="checkbox"/> Aquatic <input type="checkbox"/> Conservancy <input checked="" type="checkbox"/> Other: <u>Rural</u></p>
<p>9g. What is the Washington Department of Natural Resources Water Type? [help]</p> <ul style="list-style-type: none"> Go to http://www.dnr.wa.gov/forest-practices-water-typing for the Forest Practices Water Typing System.
<p><input checked="" type="checkbox"/> Shoreline <input type="checkbox"/> Fish <input type="checkbox"/> Non-Fish Perennial <input type="checkbox"/> Non-Fish Seasonal</p>
<p>9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [help]</p> <ul style="list-style-type: none"> If No, provide the name of the manual your project is designed to meet.
<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Name of manual: _____</p>
<p>9i. Does the project site have known contaminated sediment? [help]</p> <ul style="list-style-type: none"> If Yes, please describe below.
<p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p> </p>
<p>9j. If you know what the property was used for in the past, describe below. [help]</p>
<p>The properties have been used for rural residential, agriculture, and recreation.</p>
<p>9k. Has a cultural resource (archaeological) survey been performed on the project area? [help]</p> <ul style="list-style-type: none"> If Yes, attach it to your JARPA package.
<p><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Cultural Resource consultation has been completed by Bonneville Power Administration. For more information, contact the BPA Environmental Compliance Lead: Brenda Aguirre baguirre@bpa.gov (503) 230-5928</p>

9l. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

Upper Columbia River steelhead trout (*Oncorhynchus mykiss*)
Upper Columbia River spring Chinook salmon (*Oncorhynchus tshawytscha*)
Columbia River bull trout (*Salvelinus confluentus*)
Gray Wolf (*Canis lupus*)

9m. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

Species:

Fish—Pacific Lamprey, Coho Salmon, West slope Cutthroat Trout, Rainbow/Steelhead/Inland Redband Trout, Chinook Salmon, Bull Trout

Amphibians—Columbia Spotted Frog, Western Toad

Birds—Cavity nesting ducks, Great Blue Heron, Bald Eagle, Lewis' Woodpecker

Habitats:

Riparian, Freshwater wetlands, Instream

Part 10—SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.oria.wa.gov/opas/>.
- Governor's Office for Regulatory Innovation and Assistance at (800) 917-0043 or help@oria.wa.gov.
- For a list of addresses to send your JARPA to, click on [agency addresses for completed JARPA](#).

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more information about SEPA, go to <https://ecology.wa.gov/regulations-permits/SEPA-environmental-review>.

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with Okanogan County (lead agency). The expected decision date is May 2020.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?

Other: _____

SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

LOCAL GOVERNMENT

Local Government Shoreline permits:

- Substantial Development Conditional Use Variance
 Shoreline Exemption Type (explain): Environmental benefit for fishery enhancement (implementation of a project in support of the Upper Columbia Salmon Recovery Plan)

Other City/County permits:

- Floodplain Development Permit Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

- Hydraulic Project Approval (HPA) Fish Habitat Enhancement Exemption – [Attach Exemption Form](#)

Washington Department of Natural Resources:

- Aquatic Use Authorization
Complete [JARPA Attachment E](#) and submit a check for \$25 payable to the Washington Department of Natural Resources.
Do not send cash.

Washington Department of Ecology:

- Section 401 Water Quality Certification

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

- Section 404 (discharges into waters of the U.S.) Section 10 (work in navigable waters)

United States Coast Guard permits:

- General Bridge Act Permit Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. _____ (initial)

_____ Applicant Signature Date 3/9/20

Applicant Printed Name

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Authorized Agent Printed Name Authorized Agent Signature Date

11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Property Owner Printed Name Property Owner Signature Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-011 rev. 07/2017

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. _____ (initial)

Applicant Printed Name

Applicant Signature

Date

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Authorized Agent Printed Name

Authorized Agent Signature

Date

11c. Property Owner Signature (if not applicant) [\[help\]](#)

Not required if project is on existing rights-of-way or easements (provide copy of easement with JARPA).

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Kurt O.J. Ramcke
Property Owner Printed Name

Kurt O.J. Ramcke
Property Owner Signature

3-10-2020
Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

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WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) [\[help\]](#)



US Army Corps
of Engineers®
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: **M2 Barkley Bear** _____


Location Name (if applicable): _____

Attachment A:
For additional property owner(s) [\[help\]](#)

Use this attachment only if you have more than one property owner. Complete one attachment for each additional property owner impacted by the project.

Signatures of property owners are not needed for repair or maintenance activities on existing rights-of-way or easements.

Use black or blue ink to enter answers in white spaces below.

1. Name (Last, First, Middle) and Organization (if applicable)			
Porter, Peggy			
2. Mailing Address (Street or PO Box)			
PO 3057			
3. City, State, Zip			
Winthrop, WA 98862			
4. Phone (1)	5. Phone (2)	6. Fax	7. E-mail
(206)802-8102			
Address or tax parcel number of property you own:			
8812400030 & associated common area			
Signature of Property Owner			
I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.			
Peggy Porter			
Printed Name		Signature	

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-012 rev. 10/2016



WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) [\[help\]](#)



AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: M2 Barkley Bear

Location Name (if applicable): 80 Lower Bear Cr. Rd.

Attachment A:
For additional property owner(s) [\[help\]](#)

Use this attachment only if you have more than one property owner. Complete one attachment for each additional property owner impacted by the project.

Signatures of property owners are not needed for repair or maintenance activities on existing rights-of-way or easements.

Use black or blue ink to enter answers in white spaces below.

1. Name (Last, First, Middle) and Organization (if applicable)			
Moseley, Mary			
2. Mailing Address (Street or PO Box)			
80 Lower Bear Creek Rd			
3. City, State, Zip			
Winthrop, WA 98862			
4. Phone (1)	5. Phone (2)	6. Fax	7. E-mail
509-996-2135	509-679-9770		marylyc@methow.com
Address or tax parcel number of property you own:			
5300040000 & 5300050000			
Signature of Property Owner			
I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.			
<u>Mary L Moseley</u>		_____	
Printed Name <u>Mary L Moseley</u>		Signature <u>Mary L Moseley</u>	

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-012 rev. 10/2016



WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) [\[help\]](#)



AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: _____



Location Name (if applicable): _____

Attachment A:
For additional property owner(s) [\[help\]](#)

Use this attachment only if you have more than one property owner. Complete one attachment for each additional property owner impacted by the project.

Signatures of property owners are not needed for repair or maintenance activities on existing rights-of-way or easements.

Use black or blue ink to enter answers in white spaces below.

1. Name (Last, First, Middle) and Organization (if applicable)			
John and Ronanne Riley			
2. Mailing Address (Street or PO Box)			
23929 NE 14 th St			
3. City, State, Zip			
Sammamish, WA 98074			
4. Phone (1)	5. Phone (2)	6. Fax	7. E-mail
Address or tax parcel number of property you own:			
5300060000, 6100150002			
Signature of Property Owner			
I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.			
 _____ Printed Name		 _____ Signature	

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-012 rev. 10/2016



WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) [\[help\]](#)



US Army Corps
of Engineers -
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: M2 Barkley Bear _____

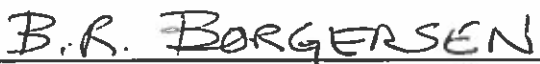

Location Name (if applicable): _____

Attachment A:
For additional property owner(s) [\[help\]](#)

Use this attachment only if you have more than one property owner. Complete one attachment for each additional property owner impacted by the project.

Signatures of property owners are not needed for repair or maintenance activities on existing rights-of-way or easements.

Use black or blue ink to enter answers in white spaces below.

1. Name (Last, First, Middle) and Organization (if applicable)			
Borgersen, Rolf			
2. Mailing Address (Street or PO Box)			
PO 354			
3. City, State, Zip			
Winthrop, WA 98862			
4. Phone (1)	5. Phone (2)	6. Fax	7. E-mail
(509) 322-2406			
Address or tax parcel number of property you own:			
6100130000, 8812400020 & associated common areas			
Signature of Property Owner			
I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.			
 <hr/>		 <hr/>	
Printed Name		Signature	

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-012 rev. 10/2016



WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) [\[help\]](#)



US Army Corps
of Engineers®
Seattle District

AGENCY USE ONLY

Date received: _____

Agency reference #: _____

Tax Parcel #(s): _____

TO BE COMPLETED BY APPLICANT [\[help\]](#)

Project Name: M2 Barkley Bear Habitat Improvement Project

Location Name (if applicable): _____

Attachment C:
Contact information for adjoining
property owners. [\[help\]](#)

Use this attachment only if you have more than four adjoining property owners.

Use black or blue ink to enter answers in white spaces below.

1. Contact information for all adjoining property owners. [help]		
Name	Mailing Address	Tax Parcel # (if known)
AMACHER, LAWRY	39 LOWER BEAR CREEK RD WINTHROP, WA 98862	8815000040
BAKER, JONATHAN	35 LOWER BEAR CREEK RD WINTHROP, WA 98862	8815000030
BRANDENBURG, DAROLD	35 WITTE RD TWISP, WA 98856	3421130042
CLAWSON, DAVID R & SHIRLEY R	30 WITTE RD TWISP, WA 98856	3421130104
ECKMANN, PETER & ANNE	47 LOWER BEAR CRK RD WINTHROP, WA 98862	6100010000
FODOR DECEDENTS TRUST	5306 NE 180TH ST LAKE FOREST PARK, WA 98155	3421130013
HOLM ETAL, JEROULD	38 LOWER BEAR CR RD WINTHROP, WA 98862	3421120049
HONSINGER, BRUCE & DIANNE	28 LOWER BEAR CRK RD WINTHROP, WA 98862	3421120036
MANFORD LLC	1215 4TH AVE STE 900 SEATTLE, WA 98161	3421130077
MEYERS ETAL, LAURIE	PO BOX 62 WINTHROP, WA 98862	6100050001, 6100050002

MICHAUD, JOY	1339 N QUINCE	3421120048
	OLYMPIA, WA 98506	
NELSON, CHARLOTTE	PO BOX 714	3421130024
	WINTHROP, WA 98862	
PENSCO TRUST CO % ASH, BARBARA M	PO BOX 544	6100020000, 6100030000
	WINTHROP, WA 98862	
RIVERBEND RANCH WINTHROP LLC	4403 281ST PL SE	3421130093, 3421130094
	FALL CITY, WA 98024	
STEAN, BARON	6409 OKANOGAN AVE SW	3421123003, 3421130045
	TACOMA, WA 98499	
SWANBERG, KATHLEEN	1828 199TH PL SW	3421130018
	LYNNWOOD, WA 98036	
TANNEHILL, JOHN & MARYBETH	60 LOWER BEAR CREEK RD	6100120001
	WINTHROP, WA 98862	
VAN BUEREN, KEVIN	PO BOX 903	8812400010
	WINTHROP, WA 98862	
WILLIAMS, KATHERINE	66 LOWER BEAR CREEK RD	6100100001, 6100120002
	WINTHROP, WA 98862	
WILSON, GARY & LINDA	81 LOWER BEAR CRK RD	5300020001
	WINTHROP, WA 98862	
WILSON, ROBERT & DOROTHEA	PO BOX 1225	5300010003
	WINTHROP, WA 98862	

If you require this document in another format, contact the Governor's Office for Regulatory Innovation and Assistance (ORIA) at (800) 917-0043. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341. ORIA publication number: ORIA-16-014 rev. 10/2016



WASHINGTON STATE
Joint Aquatic Resources Permit
Application (JARPA) [\[help\]](#)



US Army Corps
of Engineers
Seattle District

AGENCY USE ONLY

Date received: _____; Town
 Application Fee Received; Fee N/A
 New Application; Renewal Application
Type/Prefix #: _____; NaturE Use Code: _____
LM Initials & BP#: _____
RE Assets Finance BP#: _____
New Application Number: _____
Trust(s): _____; County: _____
AQR Plate #(s): _____
Gov Lot #(s): _____
Tax Parcel #(s): _____

Attachment E:
Aquatic Use Authorization on
Department of Natural Resources
(DNR)-managed aquatic lands [\[help\]](#)

Complete this attachment and submit it with the completed JARPA form only if you are applying for an Aquatic Use Authorization with DNR. Call (360) 902-1100 or visit <http://www.dnr.wa.gov/programs-and-services/aquatics/leasing-and-land-transactions> for more information.

- DNR recommends you discuss your proposal with a DNR land manager before applying for regulatory permits. Contact your regional land manager for more information on potential permit and survey requirements. You can find your regional land manager by calling (360) 902-1100 or going to <http://www.dnr.wa.gov/programs-and-services/aquatics/aquatic-districts-and-land-managers-map>. [\[help\]](#)
- The applicant may not begin work on DNR-managed aquatic lands until DNR grants an Aquatic Use Authorization.
- Include a \$25 non-refundable application processing fee, payable to the "Washington Department of Natural Resources." (Contact your Land Manager to determine if and when you are required to pay this fee.) [\[help\]](#)

DNR may reject the application at any time prior to issuing the applicant an Aquatic Use Authorization. [\[help\]](#)

Use black or blue ink to enter answers in white spaces below.

1. Applicant Name (Last, First, Middle)	
Johnson, Chris – Methow Salmon Recovery Foundation	
2. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [help]	
M2 Barkley Bear Habitat Improvement Project	
3. Phone Number and Email	
509-429-1232, chrisj@methowsalmon.org	
4. Which of the following applies to Applicant? Check one and, if applicable, attach the written authority – bylaws, power of attorney, etc. [help]	
<input type="checkbox"/> Corporation <input type="checkbox"/> Limited Partnership <input type="checkbox"/> General Partnership <input type="checkbox"/> Limited Liability Company Home State of Registration: _____	<input type="checkbox"/> Individual <input type="checkbox"/> Marital Community (Identify spouse): _____ <input type="checkbox"/> Government Agency <input checked="" type="checkbox"/> Other (Please Explain): 501 (c)(3) Non-profit Organization

5. Washington UBI (Unified Business Identifier) number, if applicable: [\[help\]](#)

602134958

6. Are you aware of any existing or previously expired Aquatic Use Authorizations at the project location?

Yes No Don't know

If Yes, Authorization number(s): _____

7. Do you intend to sublease the property to someone else?

Yes No

If Yes, contact your Land Manager to discuss subleasing.

8. If fill material was used previously on DNR-managed aquatic lands, describe below the type of fill material and the purpose for using it. [\[help\]](#)

Historically, the Barkley Canal Company annually constructed an earthen dam in the Methow River to divert water into their canal. This practice continued through the early 2010s. The earthen dam was composed of river cobbles and floodplain material.

To be completed by DNR and a copy returned to the applicant.

Signature for projects on DNR-managed aquatic lands:

Applicant must obtain the signature of DNR Aquatics District Manager OR Assistant Division Manager if the project is located on DNR-managed aquatic lands.

I, a designated representative of the Dept. of Natural Resources, am aware that the project is being proposed on Dept. of Natural Resources-managed aquatic lands and agree that the applicant or his/her representative may pursue the necessary regulatory permits. My signature does not authorize the use of DNR-managed aquatic lands for this project.

Printed Name

Dept. of Natural Resources
District Manager or Assistant Division Manager

Signature

Dept. of Natural Resources
District Manager or Assistant Division Manager

Date

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