

Project Pre-Application

(Please use the Up, Down, Left & Right Arrows to move from Field to Field)

Project Title: *Pataha Culverts*

Submitting Organization: *The Nez Perce Tribe*

Project Contact Information

(Complete for each contact)

For additional Contact Info Sheets go to:

<http://www.snakeriverboard.org/leadentity/applicationdocs.html>

Mrs. Ms. First Name: Greg

Last Name: Haller

Address: PO Box 365

City/Town: Lapwai

State: ID Zip: 83540

Telephone # (208) 843-7144

Cell # (208) 790-4105

E-mail address: greg@nezperce.org

Project Locations: Provide a brief description of the project location including watershed, stream reach and position in watershed. Pataha Creek on the Umatilla National Forest

Maps: Provide both a map illustrating project vicinity and a site map. Map descriptions can be placed in this section but maps should be attached as a separate page. (Contact SRSRB staff to construct maps and set up project in the HWS prior to pre-application deadline).

Short Description of Project

Describe project, what will be done, and what the anticipated benefits
Will be in 1500 characters or less.

NOTE: Many audiences, including the SRFB, SRFB's Technical Review Panel, media, legislators, and the public who may inquire about your project use this description. Provide as clear, succinct, and descriptive an overview of your project as possible – many will read these 1-2 paragraphs!

- The description should state what is proposed.
- Identify the specific problems that will be addressed by this project, and why it is important to do at this time.
- Describe how, and to what extent, the project will protect, restore, or address salmon habitat.
- Describe the general location, geographic scope, and targeted species/stock.
- This short description should be the summary of the detailed proposal set out under the Evaluation Proposal, with particular emphasis on questions 1-4.

The PRISM database limits project descriptions to 1500 characters (including spaces); any excess text will be deleted. Additional detail should be provided in the project proposal!

The Nez Perce Tribe in cooperation with the Umatilla National Forest proposes to fix two fish passage barrier culverts on Pataha Creek. Currently the two barrier culverts inhibit juvenile fish passage because of height and velocity of flow. These barrier structures are on the end of a 47 mile journey to the headwaters. Structures limit the return of juveniles from downstream over-wintering habitat. Downstream habitats have been deemed as thermal barriers in summer conditions exceeding salmonid temperature tolerances. These structures were identified in the WWCC, SEW Barrier Assessment (G. Anthorn, 2009) and CTUIR Barrier Assessment of Pataha Creek (E. Hoverson, 2010). WWCC has provided stream cross section measurements and input on restoration options and techniques.

The project envisions the removal of the two culverts, design and construction of two replacement bridges and modification or removal of log weirs below each culvert.

<p>Preliminary Design Description: <i>Describe the preliminary project design that will be used to address the need described above. This section may be used to provide a more detailed description than provided above. Not required for pre-application (Max one page)</i></p>					
<p>Estimated Budget: <i>List SRFB request match and total project costs</i></p>					
Budget Items	Cost/Unit	Unit	Matching Funds	SRFB Request	Project Cost
Total Matching			\$		
Total SRFB Request				\$	
Total Project Cost					\$
<p>Evidence that this project is part of the Snake River Salmon Recovery Plan: <i>List the HWS project number and title of project as stated in the 3 Year Plan. If project is not directly stated in the 3 Year Plan list the general project category your project pertains to and describe the correlation.</i></p>					

This is the end of the PRE-APPLICATION

When submitting your draft application, make sure to updates the pre-application information where pertinent as well as completing the following draft application. The pre-application will become part of the draft application to reduce redundant forms.

SRFB Draft Application Information	
<input checked="" type="checkbox"/> Draft	Date Submitted to SRSRB
Project Type: (check one)	
<input type="checkbox"/> Acquisition	<input type="checkbox"/> Acquisition/Restoration
<input type="checkbox"/> Passage, Diversion, Barrier Inventory/Design	<input type="checkbox"/> Upland
<input type="checkbox"/> Non-Capital	<input checked="" type="checkbox"/> In-Stream
<input type="checkbox"/> Riparian	
Applicant / Organization Information	
Organization Name: Nez Perce Tribe	
Organization Type (check one)	
<input type="checkbox"/> City/Town	<input type="checkbox"/> County
<input checked="" type="checkbox"/> Native American Tribe	<input type="checkbox"/> Non-profit Organization
<input type="checkbox"/> Special Purpose District	<input type="checkbox"/> State Agency
<input type="checkbox"/> Conservation District	
<input type="checkbox"/> RFEG	
Updated Vicinity / Site Maps & Photos	
Please submit photos as JPEG or other non PDF picture format. Maps and designs maybe submitted in photo or PDF format.	
Vicinity Map Attached:	<input type="checkbox"/>
Site Map Attached:	<input type="checkbox"/>
Aerial or Site Specific Photos Attached:	<input type="checkbox"/>
Preliminary Designs or Field Sketches:	<input type="checkbox"/>

Summary of Funding Request and Match Contribution	
Remember to update this section whenever changes are made to your cost estimates.	
TOTAL PROJECT COST (A + B) (Sponsor Match & SRFB Contribution)	\$250,000.00
A. Sponsor Match Contribution (15% minimum is required for match)	
Appropriation/Cash	
Bonds – Council	
Bonds – Voter	
Cash Donations	
Conservation Futures	
Donations	
Donated Equipment	
Donated Labor	\$50,000.00
Donated Land	
Donated Materials	
Donated Property Interest	
Force Account	
Force Acct – Equipment	
Force Acct – Labor	
Force Acct – Material	
Grants	
Grant – Federal	
Grant – Local	
Grant – Private	
Grant – State	
Grant – IAC	
Grant – Other	
Total Sponsor Match Contribution (15% Minimum Match Required of a total Project Cost)	\$50,000.00
B. SRFB Contribution (grant request) \$5,000 Minimum Request	\$200,000
Note: *Be sure to identify the name and type of any matching grant in the Application Questionnaire Section. *The Total Project Cost must equal the totals from the following Cost Estimate Sections.	

Project Proposal Guides	
To complete this section download the Project Proposal template that fits your proposed project and attach as a separate document. Check appropriate box below. NOTE: This project proposal will be used primarily to evaluate your project. Please include appropriate metrics within the body of the text. The below documents can be found at http://www.snakeriverboard.org/leadentity/applicationdocs.html	
	Attached
1) Restoration, Acquisition and Combination (Restoration & Acquisition) Project	<input checked="" type="checkbox"/>
2) Planning Projects (Assessment, design, and Study) and Combination (Planning & acquisition) Projects	<input type="checkbox"/>
3) Barrier Inventory Projects	<input type="checkbox"/>

Landowner Information	
Landowner Acknowledgment Forms	
(Remember to complete the Landowner Acknowledgement form for each Landowner.)	
To complete this section download the landowner acknowledgment form and have the landowner complete the form and submit a copy with the final application. Final applications without signed agreement forms may not be considered by the SRSRB for final scoring and ranking. These forms can be found on the SRSRB web site at: http://www.snakeriverboard.org/leadentity/applicationdocs.html	
Current Landowner(s) of the site (name and address). Remember to complete the Landowner Acknowledgement Form. Name: Address: City/Town: State: Zip:	
Driving Directions (provide directions that will enable staff to locate the project):	

This is the END of the DRAFT APPLICATION.

Don't forget to update the pre-project information to reflect changes, if didn't submit in the pre-application round fill out the pre-application information now.

New in 2012 the SRFB will require all modification to proposals between the submittal of the draft applications in PRISM be made in track changes to aid in the review process. To aid this process the SRSRB will also require that changes made after the SRFB review be made in track changes in the application as well as the proposal and budget forms.

SRFB Final Application Information	
<input type="checkbox"/> Final	Date Submitted to SRSRB
Barrier Removal and Barrier Assessment / Design Projects	
Barrier Information Form: http://www.snakeriverboard.org/leadentity/applicationdocs.html	
Project Proposal Cost Estimate Template	
To complete this section complete the budget template that pertains to your project type Found on the SRSRB website at: http://www.snakeriverboard.org/leadentity/applicationdocs.html and <i>check the appropriate attachments box below.</i> OR you may submit a detailed budget in your own format.	
	Attached
1) Personal Format Budget	<input type="checkbox"/>
2) Assessments	<input type="checkbox"/>
3) Property Acquisition	<input type="checkbox"/>
4) In-stream Restoration	<input type="checkbox"/>
5) Diversion and Screen	<input type="checkbox"/>
6) Barrier Inventory or Fish Passage Design	<input type="checkbox"/>
7) Riparian	<input type="checkbox"/>

Supporting Technical Documentation

List studies, reports, or other technical documentation that details current biological and habitat conditions and supports your biological and/or habitat objectives and the approach or methods to be applied.

Document Title	Author(s)	Date

For Barrier Projects Only:
 Has a Priority Index (PI) evaluation been completed?
 No Yes (If so, please attach documentation)

Application Questionnaire

All applicants must answer the following questions

Cost Efficiencies

For any grants listed in the Summary of Funding Request and Match Contribution Section, are there any restrictions on the use of these grant funds? No Yes
 When and how long will the grant funds be available to this project?

Describe the type of donated labor (skilled and unskilled), donated equipment, and donated materials that will be used for this project, identified in the Summary of Funding Request and Match Contribution Section.

Land Ownership

What type of landowner currently owns the property?

- Federal Local Private State Tribal

What is the current land use of the site, and its history? Describe past human uses and salmon habitat functions. Are there any structures on site?

Non-profit organizations must answer the following questions

Is your organization registered as a non-profit with the Washington Secretary of State?
 If so, what is your Unified Business Identifier (UBI) number?

- No Yes, UBI #:

What date was your organization created?

How long has your organization been involved in salmon and habitat conservation?

Species/Habitat Factors Information Sources

For Species Information provide the source and indicate if the species listed are directly on-site at some point in their life stage (i.e. SaSI, WDFW Stream Catalog, Stream Survey/Field Observation, Limiting Factors Distribution Maps).

For Habitat Factors Information list the study/report and date identifying the habitat factors for your project (i.e. SaSI, limiting factors analysis, watershed analysis, other assessments, or studies).

Study Name	Author	Date

Permits

Check the appropriate boxes to indicate required and/or anticipated permits.
 General permit information can be obtained at the Dept. of Ecology Permit Assistance Center 1-800-917-0043 or on their Internet site <http://www.ecy.wa.gov/programs/sea/pac/index.html>.

Permits	Comments Regarding Permit Status
<input type="checkbox"/> Aquatic Lands Use Authorization <i>(Dept of Natural Resources)</i>	
<input type="checkbox"/> Building Permit <i>(City/County)</i>	
<input type="checkbox"/> Clear & Grade Permit <i>(City/County)</i>	
<input type="checkbox"/> Cultural Assessment [Section 106] <i>(CTED-OAHP)</i>	
<input type="checkbox"/> Dredge/Fill Permit [Section 10/404 or 404] <i>(US Army Corps of Engineers)</i>	
<input type="checkbox"/> Endangered Species Act Compliance [ESA] <i>(US Fish & Wildlife/NMFS)</i>	
<input type="checkbox"/> Forest Practices Application [Forest & Fish] <i>(Dept of Natural Resources)</i>	
<input type="checkbox"/> Health Permit <i>(Dept of Health/County)</i>	
<input type="checkbox"/> Hydraulics Project Approval [HPA] <i>(Dept of Fish & Wildlife)</i>	
<input type="checkbox"/> NEPA <i>(Federal Agencies)</i>	
<input type="checkbox"/> SEPA <i>(Local or State Agencies)</i>	
<input type="checkbox"/> Shoreline Permit <i>(City/County)</i>	
<input type="checkbox"/> Water Quality Certification [Section 401] <i>(County/Dept of Ecology)</i>	
<input type="checkbox"/> Water Rights/Well Drilling Permit <i>(Dept of Ecology)</i>	
<input type="checkbox"/> Other Required Permits (identify)	
<input type="checkbox"/> None – No permits Required	

SRFB Project History Information

Has any part of this project been previously reviewed or funded by the SRFB?

YES NO

If yes, please provide the project name and number (or year of application if a project number is not available). If the project was withdrawn or not awarded SRFB funding, please describe how the current proposal differs from the original.

2011 SRFB Project Proposal

Restoration, Acquisition, or Combination Restoration and Acquisition Projects

SRFB applicants must respond to the following items. Please respond to each question individually – do not summarize your answers collectively in essay format. Local citizen and technical advisory groups will use this information to evaluate your project. Limit your response to eight pages.

Submit this proposal as a PRISM attachment.

NOTE: Acquisition, combination, fish passage, diversions, and screening projects have supplemental questions embedded within this worksheet. Please answer the questions below and all pertinent supplemental questions.

1. Project Overview

- A. Provide a brief summary of the project (note that further elaboration of this summary information is requested in Questions 2 and 3). When possible, list your sources of information by citing specific studies, reports, and other documents. Be sure to include:

The Nez Perce Tribe in cooperation with the Umatilla National Forest and the Walla Walla Community College proposes to remove two fish passage barrier culverts on Pataha Creek and design and construct bridges. Additionally, the log weirs located below each culvert would either be modified or removed altogether.

- i. Location of the project in the watershed, including the name of the water bodies, upper and lower extent of the project (if only a portion of the watershed is targeted), and whether the project occurs in the near-shore, estuary, main stem, tributary, off channel, or other location.

The project is located in the upper portion of the Pataha Creek watershed just within the Umatilla National Forest along the 4016 road. The work would occur in-stream.

- ii. Overview of current project site conditions.

The current culverts exist in areas of high quality juvenile rearing and spawning habitats. The culverts create velocity passage barriers due to their gradient and placement. Additionally, the culverts are not wide enough to handle bank full flows, which creates high stream velocity. Further, the lower culvert was placed at such an angle to the stream that the creek is funneled into the culvert at an angle with a steep pitch. There has been past work done in this area to improve juvenile passage in the form of placement of log weirs below each of the culverts.

However these improvements have not succeeded in reducing velocities through the length of the culverts. Additionally, the log weirs may be acting as passage barriers themselves.

- iii. Description of the proposed project and primary project objectives, such as how this project will contribute to restoring salmonids within the ecosystem.

The objective of this project is to eliminate juvenile passage barriers to facilitate juvenile passage to high quality rearing habitats. This project will involve the removal of two culverts, the design and construction of two one-lane bridges and an evaluation of the continued need of the log weirs below each culvert. The culverts are on the end of a 47 mile journey to spawning habitats from the mouth of Pataha Creek. The culverts limit the return of juveniles from downstream over-wintering habitat.

- B. Has any part of this project been previously reviewed or funded by the SRFB? If yes, please provide the project name and SRFB project number (or year of application if a project number is not available). If the project was withdrawn or not awarded SRFB funding, please describe how the current proposal differs from the original.

No.

2. Salmon Recovery Context

- A. Describe the fish resources present at the site and targeted by this project.

Species	Life History Present (egg, juvenile, adult)	Current Population Trend (decline, stable, rising)	ESA Coverage (Y/N)	Life History Target (egg, juvenile, adult)
Steelhead	Juvenile and Adults	Decline	Y	Juvenile

- B. Describe the nature, source, and extent of the problem that the project will address. Include a detailed description of site conditions and other current and historic factors important to understanding the need for this project. Be specific – avoid general statements. (acquisition, fish passage, diversions, and screening projects should refer to the supplemental questions later in this worksheet for

information to include in the problem statement.) When possible, list your sources of information by citing specific studies, reports, and other documents.

The headwaters of Pataha Creek contain important spawning and rearing habitats. The culverts have been identified as significant juvenile passage barriers as described by Walla Walla Community College, SEW Barrier Assessment (G. Anthorn, 2009) and Confederated Tribes of the Umatilla Indian Reservation Barrier Assessment of Pataha Creek (E. Hoverson, 2010). Currently the two culverts inhibit juvenile fish passage due to the gradient (high velocities) and flow (the culverts were not designed to pass bank-full flows). The culverts limit the return of juveniles from downstream over-wintering habitats. Additionally, the downstream habitats have been deemed thermal barriers, exceeding salmonid temperature tolerances during the summer. These culvert barriers curtail access to cooler water habitats by juvenile steelhead and bull trout. Pataha Creek near and within the Forest boundary is the location for spawning and rearing and contains prime habitats for both of these life-stages. Recent fish trap summaries indicate that 67 steelhead and one adult bull trout attempted to migrate to these waters

- C. Discuss how this project fits within your regional recovery plan or local lead entity strategy to restore or protect salmonid habitat in the watershed (i.e., does the project address a priority action, occur in a priority area, or target priority fish species?).

This project fits within the Nez Perce Tribe's recovery goals for steelhead within its ceded territory in Southeast Washington. Additionally, this project is consistent with the Snake River Salmon Recovery Board's mission to restore habitats within the Tucannon River sub-basin. This project is part of a history of restoration work mitigating passage problems in Pataha Creek. Two culvert fish barriers were repaired in 2011 (Delaney and U.S. 12 site locations), along with a new bridge at Columbia Center (Federal Highways/Garfield County project) replacing a box culvert deemed to be a passage barrier. Tri-State Steelheaders has fixed at least one private drive culvert below this project location, which was deemed a passage barrier..

- D. Describe the consequences of not conducting this project at this time. Consider the current level and imminence of risk to habitat in your discussion.

Not conducting this project at this time will allow the continuation of a total juvenile passage barrier, preventing access of juvenile steelhead to some of best rearing habitats in Pataha Creek.

3. Project Design

- A. Provide a detailed description of the project size, scope, design, and how it will address the problem described in question 2B. Describe specific restoration methods and design elements you plan to employ. (Acquisition-only projects need not respond to this question.)

This project will involve the removal of two culverts approximately 60 feet in length, the design of two one-lane bridges, the construction and placement of the bridges and the modification or

removal of up ten log weirs. The bridges will eliminate the velocity and flow barriers that currently exist. The modification or removal of the log weirs will eliminate additional potential passage barriers.

B. If restoration will occur in phases, explain individual sequencing steps, and which of these steps is included in this application. (Acquisition-only projects need not respond to this question.)

Walla Walla Community College (WWCC) has provided cross-section measurement and preliminary culvert replacement options. WWCC will begin bridge design this spring with students as part of their capstone engineering projects. Appropriate permits will be acquired in 2013. Removal of the culverts will likely occur during the 2014 instream work window with bridge installation following soon after. Each of these steps is included in this application.

B. Describe the long-term stewardship and maintenance obligations for the project or acquired land. For acquisition and combination projects, identify any planned use of the property, including upland areas.

Long term maintenance obligations of the bridges will be borne by the Umatilla National Forest. The Nez Perce Tribe will monitor the effectiveness of the project.

4. Project Development

A. Explain how the project's cost estimates were determined. Please include a detailed project cost estimate and attach in PRISM. Clearly label the attachment in PRISM "Cost Estimate."

Cost estimates are to be determined but are generally based on past experience by the Tribe in doing this type of work.

B. Describe other approaches, opportunities, and design alternatives that were considered to achieve the project's objectives.

Replacing the existing culverts with larger and better-placed arch culverts was considered but eliminated as an option because the existing problem would not be completely eliminated due to the high gradient of the stream and the cost is similar to replacing and installing a bridge.

C. Have members of the community, recreational user groups, adjacent landowners, or others been contacted about this project? Describe any concerns about the project raised from these contacts and how those concerns were or will be addressed.

No.

D. Include a Partner Contribution Form (Appendix J), when required, from each partner outlining the partner's role and contribution to the project. Refer to

Section 3 of this manual for information on when a Partner Contribution Form is required.

- E. List all landowner names. If the proposed project occurs on land not owned by the grant applicant, include a signed Landowner Acknowledgement Form (Appendix K), when applicable, from each landowner acknowledging that his or her property is proposed for SRFB funding consideration. Refer to RCO Section 3 of this manual for information on when a Landowner Acknowledgement Form is required.

See attached Landowner Acknowledgement Form.

- F. Describe your experience managing this type of project.

The Nez Perce Tribe Watershed Division has over fifteen years developing and implementing this type of project on U.S. Forest lands in Idaho.

5. Tasks and Schedule

List and describe the major tasks and time schedule you will use to complete the project.

2012: Begin project designs

2013: Complete project designs and obtain permits.

2014: Remove culverts, install bridges and modify or remove log weirs.

6. Constraints and Uncertainties

Each project should include an adaptive management approach that provides for contingency planning. State any constraints, uncertainties, possible problems, delays, or unanticipated expenses that may hinder completion of the project. Explain how you will address these issues as they arise and their likely impact on the project.

Delays are not expected due to the long planning window for this project.

Supplemental Questions

1. Projects involving acquisitions (applies to both acquisition-only and combination projects) answer the following questions
 - A. Information to include in item 2B above: Describe the habitat types on site (forested riparian/floodplain, wetlands, tributary, main stem, off-channel, bluff-backed beach, barrier beach, open coastal inlet, estuarine delta, pocket estuary, uplands, etc.), their size in acres, quality, and existing land use. Describe any features that make the site unique.

- B. Describe the type of acquisition proposed (e.g., fee title, conservation easement).
- C. State the size of the property to be acquired. Attach a site map in PRISM showing the property boundary, habitat features, easements, roads, and buildings, as appropriate.
- D. Describe the property's proximity to publically owned or protected properties in the vicinity. Attach a map in PRISM that illustrates this relationship.
- E. If uplands are included on the property to be acquired, state their size and explain why they are essential for protecting salmonid habitat.
- F. State the percentage of the total project area that is intact and fully functioning habitat.
- G. Explain the degree to which habitat on site is impaired and the nature and extent of required restoration. If the property is in the channel migration zone, is that function intact (i.e., do existing levees, riprap, infrastructure, or other features on this or nearby properties inhibit channel migration)? Describe the likely prioritization, timeframe, and funding sources for proposed restoration activities.
- H. List existing structures (home, barn, outbuildings, fence) on the property and any proposed modifications. Note: In general, buildings on SRFB-assisted acquisitions must be removed. Refer to Section 2 of this manual for information about ineligible project elements.
- I. Describe adjacent land uses (upstream, downstream, across stream, upland).
- J. Describe why the acquisition is needed. Explain why federal, state, and local regulations do not provide enough protection. State the zoning and Shoreline Master Plan designation.
- K. If buying the land, explain why the acquisition of conservation easements to extinguish certain development, timber, agricultural, mineral, or water rights will not achieve the goals and objectives of the project.
- L. For multi-site acquisition projects, identify all the possible parcels that will provide similar benefits and certainty of success and provide a clear description of how parcels will be prioritized and how priority parcels will be pursued for acquisition.

2. Fish Passage Projects – Answer the following questions:

NOTE: For fish passage design and evaluation guidance, applicants should refer to the Washington Department of Fish and Wildlife's *Fish Passage Barrier and Surface Water Diversion Screening Assessment and Prioritization Manual* at <http://wdfw.wa.gov/publications/pub.php?id=00061>, and the *Design of Road Culverts for Fish Passage* manual at <http://wdfw.wa.gov/hab/engineer/cm/>. For prioritization questions or technical assistance, contact Dave Collins at Department of Fish and Wildlife at (360) 902-2556 or david.collins@dfw.wa.gov. For engineering design questions or technical assistance, contact Michelle Cramer at (360) 902-2610 or cramemlc@dfw.wa.gov.

- A. Information to include in item 2B above: Concisely describe the passage problem (outfall, velocity, slope, etc). Describe the current barrier (age, material, shape, and condition). Is the structure a complete or partial barrier? Describe the amount and quality of habitat to open if the barrier is corrected.
 - B. Project Design
 - i. If a culvert is proposed, does it employ a stream simulation, no slope, hydraulic, or other design?
 - ii. Has the project received a Priority Index (PI) Number? If so, provide the PI number and indicate the method used: Physical survey, reduced sample full survey, expanded threshold determination, or Washington Department of Fish and Wildlife generated PI (list source, such as a study or inventory).
 - iii. Identify if there are additional fish passage barriers downstream or upstream of this project.
 - iv. Complete and attach the Barrier Evaluation Form and Correction Analysis Form. These forms are available in Appendix R of this manual and on the RCO Web site at www.rco.wa.gov/doc_pages/app_materials.shtml#salmon.
3. Diversions and Screening Projects – Answer the following questions:

NOTE: For questions or technical assistance, contact Pat Schille, Department of Fish and Wildlife at (509) 575-2735 or schilpcs@dfw.wa.gov. Refer to the Washington Department of Fish and Wildlife's *Fish Passage Barrier and Surface Water Diversion Screening Assessment and Prioritization Manual* (August 2000) at <http://wdfw.wa.gov/hab/engineer/fishbarr.htm> for further guidance.

- A. Information to include in Salmon Recovery Context above in item 2B: If the diversion is equipped with a fish screen, provide details of why it is not

functioning properly from a fish protection perspective (entrainment or impingement).

B. Project design

- i. Has the project received a Screening Priority Index (SPI) number? If yes, provide the SPI and indicate if the Washington Department of Fish and Wildlife developed the SPI.
- ii. Is this a pump or gravity diversion?
- iii. What is the flow of the diversion in gallons per minute (gpm)? How was the flow determined (water right; meter – system meter; calculated from irrigation system components, or direct measurement during peak spring/summer diversion using a flow meter)?
- iv. If it is not possible to determine the flow, then provide the bank-full, cross-sectional area of the ditch, measured 100-300 feet downstream of the point of diversion. Refer to page 25 of the Washington Department of Fish and Wildlife's Fish Passage Barrier and Screening Assessment and Prioritization Manual for instructions on how to collect this information.
- v. How much water, if any, will be saved as a result of this project? Will water be put into trust, or are there plans to transfer water rights?

Landowner Information

Name of Landowner: **U.S.D.A Forest Service, Umatilla N.F., Pomeroy R.D.**

Landowner Contact Information: C/O

Mr. Ms. Title: **District Ranger**

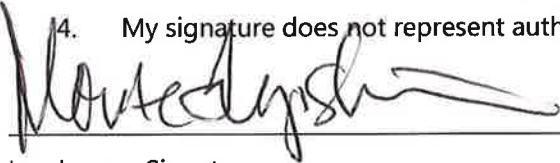
First Name: **Monte** Last Name: **Fujishin**

Contact Mailing Address: **Pomeroy R.D., 71 W. Main, Pomeroy Wa. 99347**

Contact E-Mail Address: **Del Groat, dgroat@fs.fed.us**

Property Address or Location:

1. **Tucannon Watershed** (Landowner or Organization) is the legal owner of property described in this grant application.
2. I am aware that the project is being proposed on my property.
3. If the grant is successfully awarded, I will be contacted and asked to engage in negotiations.
4. My signature does not represent authorization of project implementation.



Landowner Signature



Date

Project Sponsor Information

Project Name: Tucannon Roads Decommissioning Project

Project Applicant Contact Information:

Mr. Ms. Title Project Leader

First Name: Greg Last Name: Haller

Mailing Address: P.O Box 365 Lapwai, ID 83540

E-Mail Address: gregh@nezperce.org

Landowner Information

Name of Landowner: **U.S.D.A Forest Service, Umatilla N.F., Pomeroy R.D.**

Landowner Contact Information: C/O

Mr. Ms. Title: **District Ranger**

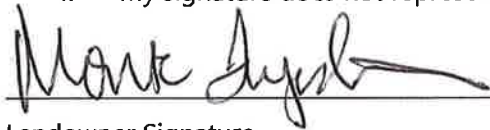
First Name: **Monte** Last Name: **Fujishin**

Contact Mailing Address: **Pomeroy R.D., 71 W. Main, Pomeroy Wa. 99347**

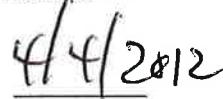
Contact E-Mail Address: **Del Groat, dgroat@fs.fed.us**

Property Address or Location:

1. **FS. Road 4016** (Landowner or Organization) is the legal owner of property described in this grant application.
2. I am aware that the project is being proposed on my property.
3. If the grant is successfully awarded, I will be contacted and asked to engage in negotiations.
4. My signature does not represent authorization of project implementation.



Landowner Signature



Date

Project Sponsor Information

Project Name: Pataha Culverts

Project Applicant Contact Information:

Mr. Ms. Title : Project Leader

First Name: Greg Last Name:Haller

Mailing Address:P.O. Box 365 Lapwai, ID 83540

E-Mail Address:greg@nezperce.org