

## Project Pre-Application

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

**Project Title:** Rattlesnake Creek Corral Relocation/Arch Pipe Installation

**Submitting Organization:** Asotin County Conservation District

### 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: Mike

Last Name: Miraglio

Address: 720 6<sup>th</sup> Street Suite B

City/Town: Clarkston State: WA Zip: 99403

Telephone # (509) 758-8012

Cell # (509) 552-800

E-mail address: mikeaccd@cableone.net

**Project Locations:** Provide a brief description of the project location including watershed, stream reach and position in watershed. Project is located where Rattlesnake Creek crosses Hyway 129 in Asotin County and upstream on both the main branch of Rattlesnake Creek and the West Branch Rattlesnake Creek. Rattlesnake Creek is a tributary of the Grande Ronde River.

**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). Legals, T7N R44E Sections 24, 25 State of Washington

### 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!***

This project proposes to relocate a feeding area and corrals on Rattlesnake Creek so that the existing buffer is more than doubled in size along 170 feet of stream reach. This project also proposes to install an 11 foot diameter arch pipe on the west branch of Rattlesnake Creek to alleviate a poorly designed rock ford located in a road junction. The thought is to take advantage of the mobilization costs in this remote part of the county and to address a major resource concern that the landowner would not be financially able to address on his own. The two projects are less than a mile apart and can stand alone as separate projects.

Rattlesnake Creek is a tight steep draw with the access road running along side of it from the junction with the state highway up for just over one mile till the main access road climb out of the canyon. There is a narrow CREP buffer due to the topography paralleling the road. The landowner runs livestock and uses the road for moving moving livestock thru to higher ground or gathering, holding, and feeding just before they are moved to other locations. The owner will run up to 200 plus head on the thousands of acres he owns here of range land. The corrals and feeding area are located adjacent to the creek and adjacent to the state highway. This is the only area that he can get a semi truck to to load and unload his livestock. The CREP buffer on this side of the creek along the concentrated use area is only 14 feet from the high water mark. In addition there is a live side creek that runs surface water thru the holding area and across the access road and we propose to pipe under the road and gravity feed water in a trough and piped back to side creek for cattle water. This will eliminate a live water crossing and dry out the road surface in this area reducing sediment into Rattlesnake Creek.

The corrals at this location will only be moved 6 to 10 feet to the west away from Rattlesnake Creek. We are proposing to relocate the feeding area and holding pens 1/2 mile up the road on a hillside 80 to 125 feet from the riparian. The existing corral location will be for loading and unloading stock and minimal or emergency penning. The new holding and feeding area will be barb wire and have a gravity fed water system with a screened pipe withdraw and piped return to West Branch Rattlesnake Creek.

Up the road another 1/2 mile is the arched pipe project. This live water crossing has a road fork in

the creek with the right hand road traveling in the creek for 50 feet before it climbs out. The left fork climbs out on a very steep pitch and is eroding directly into the creek. This road gets almost daily use for ten months of the year by the landowner the neighbor and hunters. Vehicle traffic on this left fork is just a few rigs a day until hunting season. The right hand fork to the north that stays in the creek gets very little traffic and most of it is ATV. Here we would install a 11 foot arch pipe, below grade and filling in the bottom with native rock. The main road approaches would be realigned and a new small ford crossing would be built just on the north edge of the arch pipe to facilitate access to the north road that gets very little use. The road grade will be raise up 8 feet by the pipe installation allowing a drainage dip to be placed to capture sediment on the west approach. Just below the outlet of the arch pipe the channel is incised and we will fix this with some rock and large wood placement. This is one of the few areas where there is potential for rearing habitat in this drainage.

<b>Preliminary Design Description:</b> <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> <i>Relocate existing corral to the west ten feet. Install 24 inch culvert at live water crossing in corral. Relocate 175 feet of CREP fence 25 feet to the west. Build new wire corral and feeding area with water development 1/2 mile to the north. Install 11 foot by 45 foot arch pipe replacing rock ford</i>					
<b>Estimated Budget:</b> <i>List SRFB request match and total project costs</i>					
Budget Items	Cost/Unit	Unit	Matching Funds	SRFB Request	Project Cost
Corral relocation work area					\$35,588.00
New holding pens, feeding area, water dev					\$17,005.00
Arch pipe crossing					\$25,629.00
adm, eng.	\$15,000.00				\$15,000.00
<b>Total Matching</b>			<b>\$13,983.00</b>		
<b>Total SRFB Request</b>				<b>\$79,239.00</b>	
<b>Total Project Cost</b>					<b>\$93,222.00</b>
<b>Evidence that this project is part of the Snake River Salmon Recovery Plan:</b> <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>					
Rattlesnake Creek and West Branch Rattlesnake Creek are MSA priority restoration reaches. Adult steelhead were observed thru out the project area.					

**This is the end of the PRE-APPLICATION**

**When submitting your draft application, make sure to make updates to 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.**

<b>SRFB Draft Application Information</b>	
<input checked="" type="checkbox"/> <b>Draft</b>	Date Submitted to SRSRB
<b>Project Type:</b> (check one)	
<input type="checkbox"/> Acquisition <span style="margin-left: 150px;"><input checked="" type="checkbox"/> Acquisition/Restoration</span>	
<input type="checkbox"/> Passage, Diversion, Barrier Inventory/Design <span style="margin-left: 100px;"><input type="checkbox"/> Upland</span>	
<input type="checkbox"/> Non-Capital <span style="margin-left: 100px;"><input checked="" type="checkbox"/> In-Stream</span> <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Riparian</span>	
<b>Applicant / Organization Information</b>	
<b>Organization Name:</b> Asotin County Conserveation District	
<b>Organization Type</b> (check one)	
<input type="checkbox"/> City/Town <span style="margin-left: 100px;"><input type="checkbox"/> County</span> <span style="margin-left: 100px;"><input checked="" type="checkbox"/> Conservation District</span>	
<input type="checkbox"/> Native American Tribe <span style="margin-left: 100px;"><input type="checkbox"/> Non-profit Organization</span> <span style="margin-left: 100px;"><input type="checkbox"/> RFEG</span>	
<input type="checkbox"/> Special Purpose District <span style="margin-left: 100px;"><input type="checkbox"/> State Agency</span>	
<b>Updated Vicinity / Site Maps &amp; Photos</b>	
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 checked="" type="checkbox"/> Site Map Attached: <input checked="" type="checkbox"/> Aerial or Site Specific Photos Attached: <input checked="" type="checkbox"/> Preliminary Designs or Field Sketches: <input type="checkbox"/>	
<b>Update Short Description in Pre-Application Above</b>	
Describe project, what will be done, and what the anticipated benefits Will be in 1500 characters or less.	

<b>Summary of Funding Request and Match Contribution</b>	
Remember to update this section whenever changes are made to your cost estimates.	
<b>TOTAL PROJECT COST (A + B) (Sponsor Match &amp; SRFB Contribution)</b>	<b>\$93,588.00</b>
<b>A. Sponsor Match Contribution (15% minimum is required for match)</b>	
Appropriation/Cash	
Bonds – Council	
Bonds – Voter	
Cash Donations	
Conservation Futures	
<b>Donations</b>	
Donated Equipment	\$9,230.00
Donated Labor	\$4,753.00
Donated Land	
Donated Materials	
Donated Property Interest	
Force Account	
Force Acct – Equipment	
Force Acct – Labor	
Force Acct – Material	
<b>Grants</b>	
Grant – Federal	
Grant – Local	
Grant – Private	
Grant – State	
Grant – IAC	
Grant – Other	
<b>Total Sponsor Match Contribution</b> (15% Minimum Match Required of a total Project Cost)	<b>\$13,983.00</b>
<b>B. SRFB Contribution (grant request)</b> \$5,000 Minimum Request	<b>\$79,239.00</b>
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.	

<b>Project Proposal Guides</b>	
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 <a href="http://www.snakeriverboard.org/leadentity/applicationdocs.html">http://www.snakeriverboard.org/leadentity/applicationdocs.html</a>	
	<b>Attached</b>
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"/>

<b>Landowner Information</b>	
<b>Landowner Acknowledgment Forms</b> (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: <a href="http://www.snakeriverboard.org/leadentity/applicationdocs.html">http://www.snakeriverboard.org/leadentity/applicationdocs.html</a>	
Current Landowner(s) of the site (name and address). Remember to complete the Landowner Acknowledgement Form. Name: Gerald and Betty Halsey Address: 2060 Sargent DR. City/Town: Clarkston State: Wa <span style="float: right;">Zip: 99402</span>	
Driving Directions (provide directions that will enable staff to locate the project): South on HWY 129 for 44 miles down to the bottom of the Rattlesnake Grade where Rattlesnake Creek crosses Hyway 129 at the set of corrals on the right hand side of the road is the project location.	

**This is the END of the DRAFT APPLICATION.**  
**&**  
**The START of the FINAL APPLICATION**

<b>SRFB Final Application Information</b>	
<input type="checkbox"/> Final	Date Submitted to SRSRB
<b>Barrier Removal and Barrier Assessment / Design Projects</b>	
Barrier Information Form: <a href="http://www.snakeriverboard.org/leadentity/applicationdocs.html">http://www.snakeriverboard.org/leadentity/applicationdocs.html</a>	
<b>Project Proposal Cost Estimate Template</b>	
To complete this section complete the budget template that pertains to your project type Found on the SRSRB website at: <a href="http://www.snakeriverboard.org/leadentity/applicationdocs.html">http://www.snakeriverboard.org/leadentity/applicationdocs.html</a> and <i>check the appropriate attachments box below.</i> OR you may submit a detailed budget in your own format.	
	<b>Attached</b>
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.

<b>Document Title</b>	<b>Author(s)</b>	<b>Date</b>

**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.

<b>Land Ownership</b>
What type of landowner currently owns the property? <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> Private <input type="checkbox"/> State <input type="checkbox"/> 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?
<b>Non-profit organizations must answer the following questions</b>
Is your organization registered as a non-profit with the Washington Secretary of State? If so, what is your Unified Business Identifier (UBI) number? <input type="checkbox"/> No <input type="checkbox"/> Yes, UBI #:
What date was your organization created?
How long has your organization been involved in salmon and habitat conservation?

<b>Species/Habitat Factors Information Sources</b>		
For <u>Species Information</u> 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 <u>Habitat Factors Information</u> 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 (Dept of Natural Resources)	
<input type="checkbox"/> Building Permit (City/County)	
<input type="checkbox"/> Clear & Grade Permit (City/County)	
<input type="checkbox"/> Cultural Assessment [Section 106] (CTED-OAHP)	
<input type="checkbox"/> Dredge/Fill Permit [Section 10/404 or 404] (US Army Corps of Engineers)	
<input type="checkbox"/> Endangered Species Act Compliance [ESA] (US Fish & Wildlife/NMFS)	
<input type="checkbox"/> Forest Practices Application [Forest & Fish] (Dept of Natural Resources)	
<input type="checkbox"/> Health Permit (Dept of Health/County)	
<input type="checkbox"/> Hydraulics Project Approval [HPA] (Dept of Fish & Wildlife)	
<input type="checkbox"/> NEPA (Federal Agencies)	
<input type="checkbox"/> SEPA (Local or State Agencies)	
<input type="checkbox"/> Shoreline Permit (City/County)	
<input type="checkbox"/> Water Quality Certification [Section 401] (County/Dept of Ecology)	
<input type="checkbox"/> Water Rights/Well Drilling Permit (Dept of Ecology)	
<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.

# Project Proposals

## Restoration, Acquisition, and 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. Contact your lead entity for additional information that may be required. Limit your response to eight pages.

Submit information via a PRISM attachment, which is available on the RCO Web site at [www.rco.wa.gov/doc\\_pages/app\\_materials.shtml#salmon](http://www.rco.wa.gov/doc_pages/app_materials.shtml#salmon).

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). Be sure to include:
  - 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. *T7N R44E Sections 24, 25, Rattlesnake Creek and West Branch Rattlesnake Creek The project proposes to relocate a corral and feeding area that is adjacent to and only has a 15 foot buffer to Rattlesnake Creek a steelhead baring stream. The project will do this by eliminating the feeding area and moving the corrals 6 to 10 feet to the west away from the creek. This will increase the buffer to 35 plus feet. The corrals will be on the west side of the access road only and the road surface will serve as a futher nutrient buffer. A new feeding area will be built ½ mile up the road so the corrals will only function as temporary loading and unloading pens.*

*The second part of this project is to install an 11 foot diameter arch pipe to replace a ford that was built at a road junction and has one fork of the road running up the creek for fifty feet. Just below this arch pipe we will do some minor insteam work to rebrand the creek that is incised at this point ,reconnecting the flood plain and creating rearing and resting habitat that is very limited in this draw.*

- ii. Overview of current project site conditions. *The corral and feeding area, which function usually as temporary in nature when livestock is moved in or out arefairly beat up as cattle tend to congregate down on the flats and a live water side draw in this area attracts them. The side draw runs across the surface of the road and at high water some of it drains into the corral and feeding area. At the arch pipe location the west approach is very steep and there is no runout dip for the sediment so it goes directly into the creek. Because the climb out of the ford is so steep it is not ideal to put a rolling dip or water bars until the road is realigned and the grade is changed.*
  - iii. Description of the proposed project and primary project objectives, such as how this project will contribute to restoring salmonids within the ecosystem. *The project will reduce the sediment and nitrates entering Rattlesnake Creek by more than doubling the buffersize for 175 feet of stream frontage. The project will disperse the concentration of cattle when they are using the flat areas by moving the feeding area on up the road ½ mile and onto the hill side. This will improve the overall fuction of the riparian outside of the CREP buffer. By having a feeding area up on the hillside cattle use on the road will be less and sediment delivery from the road will decrease. The arch pipe installation and road alignment willreduce sediment delivery from the road anddriving thru the creek.*
- B. When possible, list your sources of information by citing specific studies, reports, and other documents. *Rattlesnake Creek is listed restoration mSA and Steelhead were observed on are site visit. The landowner who has owned the property for a long time has told us that Steelhead use a couple miles of both Rattlesnake and West Rattlesnake thru his property.*
- C. 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)
Snake River Steelhead	yes			

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 their problem statement.) *The project addresses sediment runoff and nitrates into the creek caused by narrow CREP buffer and high concentrated cattle use on the flat ground adjacent to the creek. We would also like to move the feeding and holding area for the same reasons. The ford we want to replace is just a bad design with the fork and steep approach. The rancher does not have that kind of money to fix this ford right.*

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?). *Target fish is Steelhead and the stream is in the bull trout overlay and does look like bull trout habitat as it has good cool flows all year. The landowner has a history of doing pasture management fencing water development and CREP projects with the district.*

- 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. *There is probably no emminit risk by waiting. The landowner is just willing to relocate his feeding and holding areas to benefit fish habitat. He will increase his CREP buffer size and will not turn in for more rental acerage.*
3. When possible, list your sources of information by citing specific studies, reports, and other documents.
4. Project Design
- A. Provide a detailed description of the project size, scope, design, and how it will address the problem described in Section 2B. Describe specific restoration methods and design elements you plan to employ. (Acquisition-only projects need not respond to this question.) *Relocating the corral and feeding area will cost about \$52,000. For this we will gain 175 feet by 25 feet of new riparian buffer to add to the 14 feet of existing buffer. Piping the live water crossing with a 24 inch pipe will greatly reduce sediment caused by vehicle traffic and cattle usage. Felocatin of the holding pens and feeding area to the hillside ½ mile up the road will increase dispersal of the cattle and improve the forage quantity for over a mile along the flat areas. A new water development at the new feeding area will mean less use at a water gap on Rattlesnake Creek and will provide the landowner with more options for closing existing gates to manage his pasture. The arch pipe project costing \$25,600 will reduce sediment delivery from the road surface and from driving in the creek. The main crossing road to the west continues thru the adjoining neighbor and for miles up to the forest service boundry.*
- 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.) *One or both of these projects could be completed at this time. On the landowners property a few stream miles up Rattlesnake Creek there is a log crossing that appears to be a fish barrier. It is accessed from a different road system, can be fixed with a single machine and will be done at a later date.*
- C. 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. *The land is grazing land for a long time and will continue to be. There is no to little development potential just cattle timber or hunting.*
5. Project Development

- A. Explain how the project's cost estimates were determined. *Costs for arch pipe ,water development and 24 inch pipe were from Gary Ausman our district engineer. Corral moving a 10 feet to the west and new materials oil pipe and sucker rod were based on material estimates from Idaho Steel, Shoshone Id Given to me by the landowner. Fencing for the new feed area pens and the riparian fencing was directly from current cost share fencing fates. Earthwork for the new holding location and the old corral location was estimated on my knowledge and current equipment costs.*
- B. Describe other approaches, opportunities, and design alternatives that were considered to achieve the project's objectives. *There was a field meeting with the landowner, our engineer, our CREP coordinator, and myself. We tried to design the project with just one containment feeding area relocate upstream where the proposed new site is with a semi truck turn around. We could not lay out a suitable turn around for trucks and the land owner insisted that he needed the loading corral down at the highway. For the arched culvert crossing our engineer first priced out a bottomless arch and arched pipe was significantly cheaper.*
- 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. State agencies are required to have a local partner that is independently eligible to be a project sponsor. A Partner Contribution Form is recommended, but not required, from partners providing third-party match.
- E. List all landowner name. Include a signed Landowner Acknowledgement Form (Appendix K) from each landowner acknowledging that his or her property is proposed for SRFB funding consideration. If a restoration project covers a large area and encompasses numerous properties, Landowner Acknowledgement Forms are not required. For sponsors proposing work on their own property, this form is not required. For multi-site acquisition projects involving a relatively large group of landowners, include, at a minimum, signed Landowner Acknowledgement Forms for all known priority parcels.
- F. Describe your experience managing this type of project. *The district has managed and completed SRSRB projects in the past on time and budget.*

## 6. Tasks and Schedule

List and describe the major tasks and time schedule you will use to complete the project. *Project will be built next summer all at one time. Archeology report will be completed before work and materials are ordered. Site will be cleared of old fencing and corral material. Dirt work and piping will be completed. Fencing and corrals will then be built.*

7. 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. *Project will not begin until all permits and cultural resources are approved.*

8. Detailed project cost estimate. Please include a detailed project cost estimate and attach in PRISM. Clearly label the attachment in PRISM "Cost Estimate." This will help the local review process and the SRFB Review Panel better understand the project cost details.

## 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: 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/hab/engineer/fishbarr.htm>, 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](mailto:david.collins@dfw.wa.gov). For engineering design questions or technical assistance, contact Michelle Cramer at (360) 902-2610 or [cramemlc@dfw.wa.gov](mailto:cramemlc@dfw.wa.gov).

- A. Information to include in item 2B: 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 [http://www.rco.wa.gov/doc\\_pages/app\\_materials.shtml#salmon](http://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](mailto: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 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?

# Appendix K Landowner Acknowledgement Form

## Landowner Information

Name of Landowner: Gerald + Betty Halsley

Landowner Contact Information:

Mr.  Ms. Title: owner

First Name: Gerald Last Name: Halsley

Contact Mailing Address: 2060 Sargent Dr

Contact E-Mail Address:

Property Address or Location: Rattlesnake Creek

I certify that Gerald Halsley (Landowner or Organization) is the legal owner of property described in this grant application to the Salmon Recovery Funding Board (SRFB). I am aware the project is being proposed on my property. My signature authorizes the applicant listed below to seek funding for project implementation, however, does not represent authorization of project implementation.

Gerald Halsley

Landowner Signature

4-16-2011

Date

## Project Applicant Information

Project Name: Rattlesnake Creek Corral Relocation/Feeding Area Relocation

Project Applicant Contact Information:

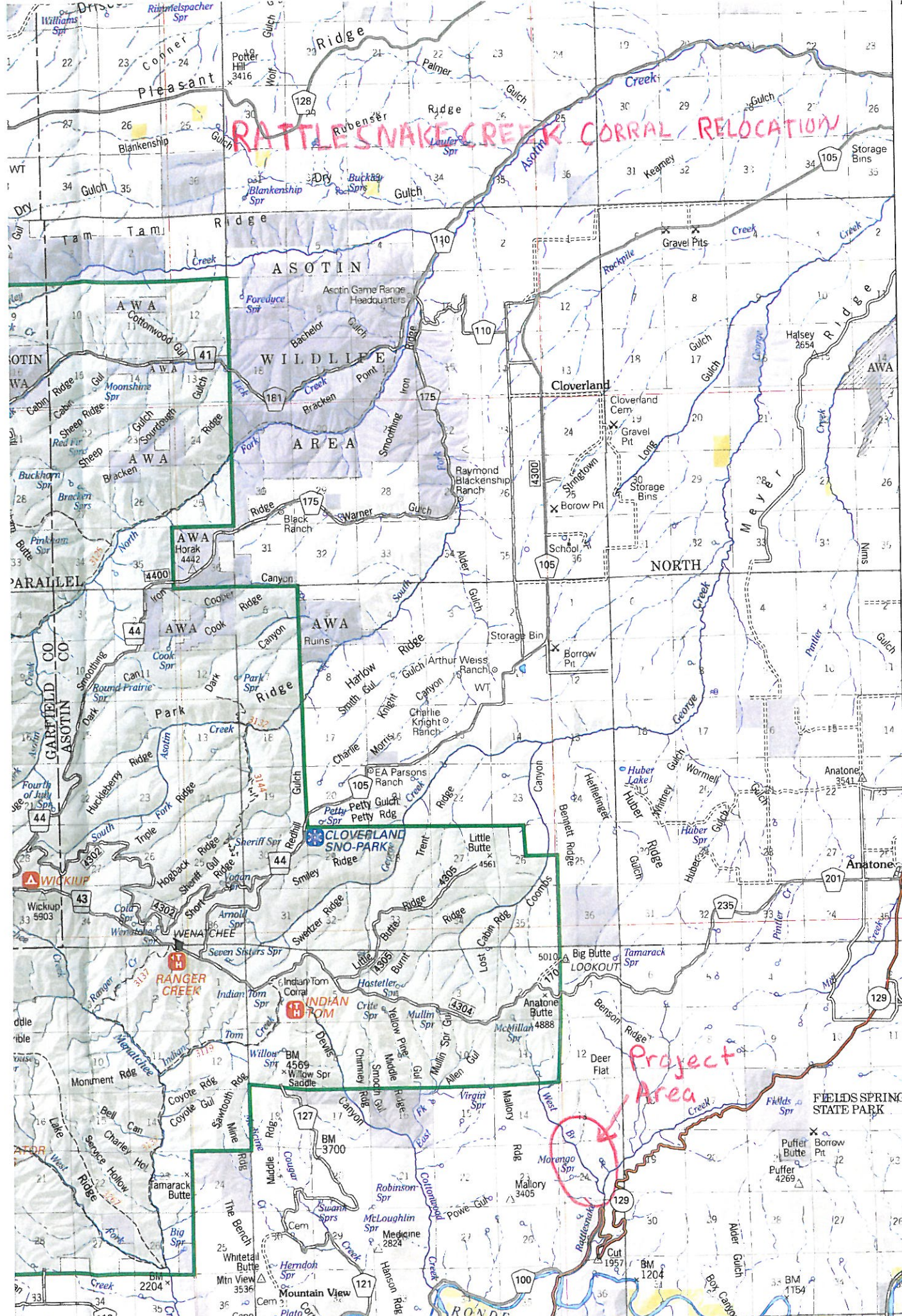
Mr.  Ms. Title

First Name: Mike Last Name: Miraglio

Mailing Address: 720 6th St. Suite B Clarkston, WA 99403

E-Mail Address: mike.acad@cablone.net

Lead Entity Organization: SRSRB



RATTLESNAKE CREEK CORRAL RELOCATION

Project Area

3

4

5

N. 46° 15' 00" T. 9 N. 46° 07' 30" T. 8 N. 46° 07' 30" T. 7 N.

RATTLESNAKE CREEK CORRAL RELOCATION

Arch Pipe Installation

New Holding & Feeding Area

24" Pipe Installation

Existing Corrals