

PROJECT REVIEW SHEET - EZ1

HISTORIC & CULTURAL RESOURCES REVIEW

Property / Client Name: Jim Creek Restoration, 11-1410
Worksite Name/Number: Jim Creek RM 2-3 (Worksite 1 of 1)
Funding Agency: Rec. and Conserv. Office

Project Applicant Stilly-Snohomish FETF
Contact Person Kristin Marshall
Address PO Box 5006
City, State, Zip Everett, WA 98206
Phone (425) 252-6686
E-Mail kristin@stillysnofish.org

Funding Agency:

Organization Rec. and Conserv. Office
Address PO Box 40917
City, State, Zip Olympia, WA 98504-0917
Phone 360-902-3000
Contact Elizabeth Butler, Email: elizabeth.butler@rco.wa.gov

PLEASE DESCRIBE THE TYPE OF WORK TO BE COMPLETED

(Be as detailed as possible to avoid having to provide additional information)

Provide a detailed description of the proposed project:

This restoration project seeks to improve habitat conditions for Chinook along 1/2 mile of Jim Creek near Arlington, WA. Significant sources of fine sediment to the SF Stillaguamish occur at Gold Basin and at Trangen Meander below the falls; this prevalence of fine sediment severely limits the spawning success of Chinook along the SF (Purser et al 2009). Jim Creek, as one of a few SF tributaries below Granite Falls to provide significant Chinook habitat, may be critical in providing spawning and rearing habitat refuge for SF Chinook.

Habitat conditions within and adjacent to Jim Creek are sub-optimal for Chinook and other salmonids. The riparian forest along the project reach is narrow or non-existent and consists of primarily red alder and other deciduous vegetation. Much of the project reach can be characterized as lower-quality glide habitat lacking well-formed riffles and pools; LWD is below properly functioning conditions (unpub. data from 2010 design project). It is expected that habitat for Chinook and other salmonids could be significantly improved by increasing stream complexity and diversity by constructing several mid-size large wood structures and by increasing nearstream forest cover through riparian planting.

This project will result in 4 acres of riparian invasive weed control and planting; 2,200 ft of livestock exclusion fencing, 150 feet of bank armoring removal, and construction of 3 large wood structures. The proposed project activities were designed under a 2010 SRFB-funded design grant.

Describe existing project site conditions.

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Landuse within the project reach along Jim Creek is agricultural and single family residences. The project reach can be broken up into the upper half and lower half. The left bank of the upstream project reach consists of a narrow deciduous riparian forest of cottonwood and red alder with blackberry and salmonberry understory. The riparian forest is approximately 15 feet in width; beyond the forest, the property is grazed and vegetation consists of mixed pasture grass. The right streambank of the upper half of the project is steep and well forested with a mixed forest including deciduous and conifer trees and native and non-native, invasive understory.

The lower section of the project reach includes areas of active channel migration. The riparian area is not well forested and is characterized by scattered deciduous trees with non-native, invasive blackberry, mixed grass, or exposed streambank. Approximately 150 - 200 feet of the left bank is armored with rip rap and car bodies. Power lines cross the project reach within this lower section.

Describe any proposed ground disturbing activities. That is, will a tool(s) be used to move earth (soil, rock, gra

The ground disturbing activities for riparian planting and invasive plant control will include: approximately 2400 plants will be installed (4 acres with plants installed at a density of 600 plants per acre). Native trees and shrubs will be planted using hand tools (shovels and a 1-man mechanical auger). Ground disturbance will be limited to 18 inches. Non-native, invasive vegetation will be mowed using walk-behind field mowers, brushcutters, and hand tools (loppers) and blackberry roots will be dug as necessary.

Ground disturbance for livestock exclusion fence relocation will include: Fenceposts will be set in the ground using a post pounder or mechanical or manual posthole digger; estimated depth is 24 inches.

Ground disturbance for large wood construction and rip-rap removal: an excavator will drive on portions of the project area (see sheet 2 of the design set for access routes). Excavator will excavate along streambank as necessary to bury large wood as called for in the designs (see 30% designs for details). Manta ray earth anchors and pilings will be driven to anchor the wood structures (depth to be determined during final design). Additional ground disturbance will be determined during final design (including cubic yards of material disturbed, depth, etc).

Will buildings be altered or demolished? If so please complete a DAHP Determination of Eligibility E22 form for each building affected by the proposed project and attach the form to your project in PRISM. <http://www.dahp.wa.gov/pages/Documents/Sites.htm>

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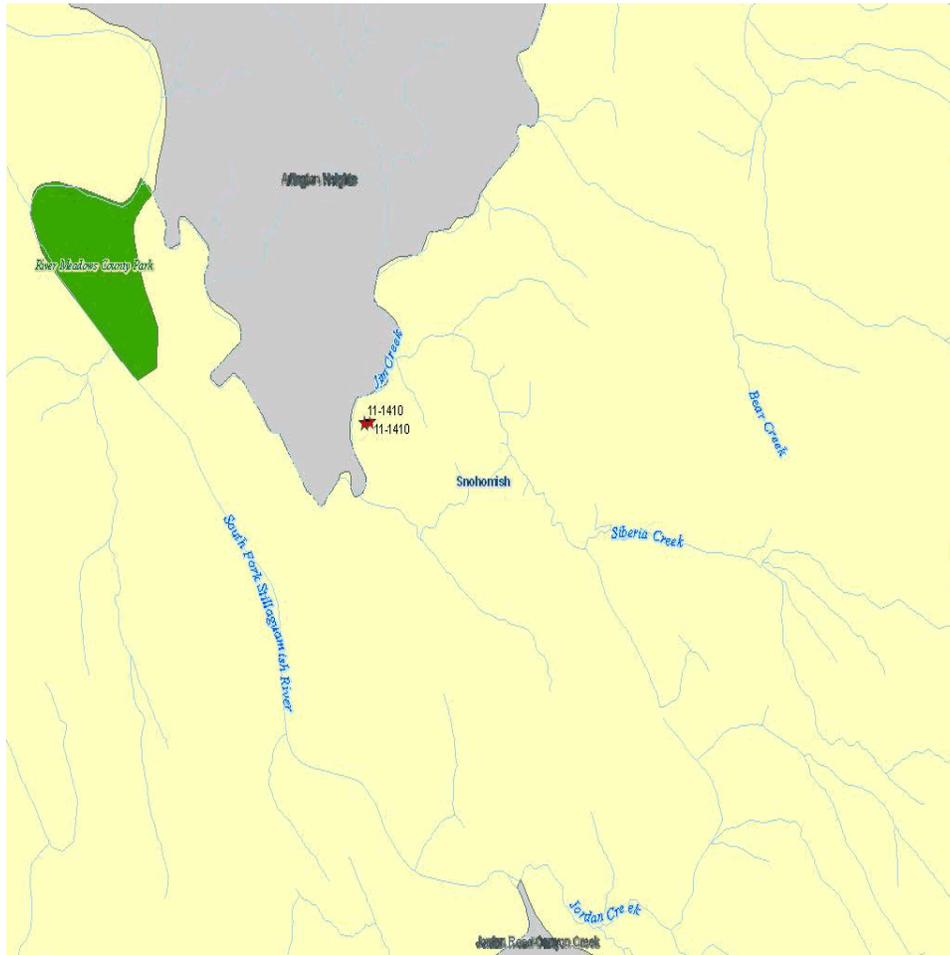
If no PRISM map, please attach a copy of the relevant portion of a 7.5 series USGS quad map and outline the project impact area.
(USGS Quad maps are available on-line at <http://www.topozone.com>)

Worksite Location (identified with star):

Address: 19020 Nicks Rd Arlington, WA 98223

Township: 31N
Range: 06E
Section: 16

City:
County: Snohomish
Latitude: 48.17
Longitude: -122.05



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