

**Watershed Planning and Implementation
Project Request Application 2007- 09 Biennium**

Project/Proposal Name: Gardena Farms North Lateral Piping - Phase 1	
Sponsor/Lead Agency Contact Info Name: Stuart A. Durfee Agency: Gardena Farms Irrigation District No. 13 Address: 539 White Road – Touchet, WA 99360 Phone: 509-394-2331 E-mail: gfid13@360comm.net	WRIA: 32
	County: Walla Walla
	Location: GFID13 canal system at CM 13.25 in T6N, R33E, Sections 12 and 13

I. Project Type

- Capital budget**
 - Infrastructure Project**

Is the project currently funded by another Ecology grant; No if so, indicate grant number:

II. Project Description The WRIA 32 Walla Walla Watershed Plan, Northwest Power and Conservation Council Sub-Basin Plan, Gardena Farms Irrigation District No. 13 (GFID13) Comprehensive Irrigation District Management Plan (CIDMP), Walla Walla Habitat Conservation Plan, and the U. S. Army Corps of Engineers/Confederated Tribes of the Umatilla Indian Reservation Walla Walla Basin Feasibility Study, and the Washington Conservation Commission’s Walla Walla Limiting Factors Analysis all identify flow as a critical limiting factor for fish habitat in the Walla Walla Basin. GFID13 currently has a trust water right agreement (Agreement No. Co500260) with Washington State Department of Ecology (WDOE) to maintain a minimum flow past their diversion on the Walla Walla River at approximately RM 36.5. GFID13 has agreed to bypass 19 cubic feet per second (cfs) until June 30 of each year and then 18 cfs for the remainder of each year. This project would provide additional flow enhancement through piping of a portion of the open-channel GFID13 canal system.

A. Brief statement of project objective: This project would be given the name GFID13 North Lateral Piping Project – Phase 1. The objective of this project is to conserve water in order to add instream flow to the Walla Walla River or tributaries physically accessible from the GFID13 irrigation canal system as determined by fisheries, water resource and other technical state, local, or tribal staff.

B. Briefly describe project proposal: GFID13 proposes to hire engineering for the design of the North Lateral Piping Project – Phase 1 and then install a diversion structure, conveyance piping and lateral piping to pump stations. Turnout structures, pump stations, water flow metering and debris screening would all be a portion of the design and construction.

C. Please identify conserved water resulting from this proposal: GFID13 anticipates approximately 2 cubic feet per second of conserved water for this reach of canal.

D. Briefly describe public benefit to be achieved by this proposal: Flow for fish rearing and migration has been identified through several assessments and plans as a limiting factor in the Walla Walla River below the GFID13 diversion at RM 36.5. This proposal would be a further step in the plan to pipe the lower portions of the GFID13 system. Water saved would be returned to the Walla Walla River and placed in trust, in addition to that water already placed in trust through agreement with WDOE, to protect the stream flow with the 1892 priority date of the GFID13 water right. GFID13 partnered with Walla Walla County and others on a shallow aquifer recharge (SAR) grant from WDOE and is currently operating the Locher Road SAR Project to test augmentation of spring creek and sub-surface flows up gradient of the North Lateral project. SAR has been identified as a tool to mitigate for canal seepage potentially lost due to irrigation efficiency measures in the Walla Walla Basin and has the potential to return cooler subsurface water to the river system downstream of the GFID13 diversion during the warmer months of the year, therefore potentially improving fish habitat.

E. 2007-09 Budget – Please estimate total project costs by fiscal year.

FY 08 (July 1, 2008 – June 30, 2009)	\$250,000.00
FY 10 (July 1, 2010 – June 30, 2010)	\$250,000.00