R & E Grant Application 13 Biennium

Project #: 13-051

Beeson-Robinson Fish Passage Improvement

Project Information

R&E Project Request: $20,360.75
Match Funding: $182,163.13
Total Project: $202,523.88
Start Date: 4/26/2014
End Date: 6/30/2015
Project Email: brian@geosinstitute.org
Project Biennium: 13 Biennium
Organization: Geos Institute (Tax ID #: 93-0880205)

Fiscal Officer

Name: John Stahmer
Address: 84 4th Street
Ashland, PR 97520
Telephone: 541-482-4459 x306
Fax: 541-482-7782
Email: john@geosinstitute.org

Applicant Information

Name: Brian Barr
Email: brian@nccsp.org

Past Recommended or Completed Projects

Number	Name	Status
09-022	Little Butte Meander Restoration Implementation	Completed
11-014	Little Butte Creek Meander Restoration II	Completed

Project Summary

This project is NOT part of ODFW's 25 Year Angling Plan.

Activity Type: Passage

Summary: Beeson-Robinson Diversion Dam is located on Wagner Creek near Talent, Oregon. It completely blocks upstream movement from April through October. Stop logs are removed during adult steelhead and coho salmon migration, but a 3-feet high leap through heavy flows limits success. Two of the 3 miles of habitat upstream of the dam are low gradient. The diversion is screened, but bypassed fish drop about 3.5 feet from the screen bypass pipe back to the creek. We

propose replacing the dam with a 160-foot long, 5% gradient re-profiled stream channel and constructing downwells to safely transition bypassed fish back into Wagner Creek.

Objectives: We expect to accomplish the following objectives at the Beeson-Robinson diversion:

1-Remove dam and re-profile stream channel to form two, step pool sequences with an average gradient of ~5%;
2-Eliminate instantaneous gradient increases > 1 foot;
3-Provide hydraulic conditions, when sufficient water is available instream, to allow juvenile fish passage;
4-Eliminate 3.5-foot drop at exit of fish screen bypass pipe.; and
5-Provide safe conditions for bypassed fish in Wagner Creek.

Fishery Benefits:

This project will improve the ability of adult steelhead and coho salmon to access approximately 3 miles of spawning habitat and will make upstream movement of juvenile steelhead and trout (and possibly coho salmon) possible during the irrigation season (when water quality conditions often trigger upstream movements). Steelhead are known to use the reaches upstream of this diversion. There are no records of coho salmon in this section of Wagner Creek, but NOAA Fisheries identifies the habitat as having high intrinsic potential and ODFW agrees that coho salmon probably use Wagner Creek, even if just minimally. Improved access will lead to increased spawning success and better juvenile fish survival. Improving the downstream passage bypass outlet from a 3.5-foot drop into shallow water to a series of downwells will safely transition bypassed fish back to Wagner Creek. This will cause a decrease in the rate of injury of those downstream migrants that are intercepted by the irrigation system. Again, this increases juvenile survival, allowing a higher percentage of Wagner Creek smolts to outmigrate.

Although increased survival and greater production from a small waterbody like Wagner Creek is minimal at the scale of a commercial fishery or even the Rogue's recreational fishery, there is little question that improved access to roughly 3 miles of habitat will translate to better production and survival. This will increase the availability of steelhead and coho salmon to fisheries on the Pacific and within the Rogue.

Watershed Benefits:

ODFW puts a high priority on four, predominantly snow-melt streams in the Bear Creek Sub-basin because of their sustained, cool flows through the late spring and early summer; Wagner Creek is among these top tier streams.

The Rogue Basin Coordinating Council (2006) “Watershed Health Factors Assessment” lists fish passage barriers as a moderate limitation to stream health in Wagner Creek, with water temperature and large wood as more important considerations. This report is Oregon Watershed Enhancement Board’s adopted list of Regional Restoration priorities for the Rogue Basin.

ODFW’s Rogue Watershed Office maintains a list of priority fish passage barriers in the Rogue Basin. The Beeson-Robinson dam is among the top 69 highest priority barriers in the Rogue Basin (it has a rank of 40 across the basin) and ranks as the third most important barrier in the Bear Creek Subbasin. The Bear Creek Watershed Council prepared a Bear Creek Watershed Fish Passage Barrier Report that prioritized fish passage improvement opportunities in 2007. Beeson-Robinson was among the priority barriers for the subbasin in this assessment with a final ranking of 25 out of 153. Beeson-Robinson is also listed on ODFW’s Statewide Priority Fish Passage Barriers list in Group 10 (out of 16 groups). The statewide ranking of Beeson-Robinson is 240 out of 536.

The Bear Creek Watershed Assessment, Phase II – Bear Creek Tributary Assessment (Rogue Valley Council of Governments, December 2001), lists removing passage barriers as a key component of improving instream habitat in

Wagner Creek.

Current Situation: The Beeson-Robinson diversion structure is located on Wagner Creek near Talent, Oregon. It is roughly 5.5-feet high during the irrigation season and represents a complete fish passage barrier. From October to March, stop logs are removed, making the structure just 3 feet high. However, fast water velocities, shallow creek depths, and a concrete toe at the base of the dam make passage difficult (at best) under most flow conditions.

There is a fish screen on the irrigation ditch, but the bypass drops screened fish 3.5 feet into a shallow reach of Wagner Creek.

The irrigator does not have any way to monitor their water withdrawals at the site.

Annual maintenance at the site by the irrigator requires dangerous placement of stop logs and plastic sheeting during high flow conditions.

Alternatives: We examined three concepts early in the design phase. The first was a 5% gradient, re-profiled stream channel with an on-stream fish screen. This alternative would have abandoned the existing fish screen. The second alternative proposed a 5% gradient, re-profiled stream channel that uses the existing, ODFW maintained fish screen. This alternative includes construction of downwells to transition screened fish safely back to Wagner
Creek. The third alternative proposed a 9-pool fish ladder constructed along the right bank dam abutment.

We reviewed each of these alternatives and their preliminary cost opinions with ODFW (Jay Doino, Rogue District Office) and NOAA Fisheries staff (Aaron Beavers and Chuck Wheeler). We also reviewed the design concept with Oregon Water Resources Department's Travis Kelly (Water Master). Through that review, OWRD requires that we install a diversion water measuring device as part of this project.

Based on those conversations, we selected the second alternative. This was because all parties agreed that the existing fish screen performed well and could be improved with the construction of downwells to eliminate the long drop from the bypass pipe into Wagner Creek. ODFW could not commit to maintaining a newly constructed, on stream fish screen as proposed in the first alternative. Having this maintenance is an important consideration for screen performance through the irrigation season.

The third alternative would require construction activities to fortify and solidify the dam structure while building the fish ladder. This was considered a drawback to successfully fundraising for the project (spending funds to "improve" the dam beyond just providing fish passage improvements). Because of hydrological concerns about fish ladder operations during the irrigation season (when the dam is 5.5 feet high) AND during the non-irrigation season (when the dam is just 2.5 to 3 feet high) would require a ladder design that requires gate adjustments. These

adjustments would be performed by the ditch association without oversight, potentially making ladder performance an unknown and adding another burden onto the ditch association's maintenance at the dam. While the cost opinion for the third alternative was the smallest, the projected cost was not dramatically lower than the selected alternative.

Designer: L. Joey Howard, Cascade Stream Solutions, LLC. Joey has designed and overseen the construction of numerous fish passage and screen projects in his 21-year career as a hydraulic, fisheries, and instream habitat restoration engineer.

Methods: The project will be constructed using design criteria and guidance described in the National Marine Fisheries Service Northwest Region "Anadromous Salmonid Passage Facility Design" (2011) and Oregon Department of Fish and Wildlife OAR 635-412-0035. The structure will be designed to remain stable at extreme flows such as a 50 or 100-year peak flow as estimated using the USGS procedures described in "Estimation of Peak Discharges for Rural, Unregulated Streams in Western Oregon: U.S. Geological Survey Investigation Report 2005-5116". Fish passage structure stability will be designed using procedures developed in Andre Zimmerman's doctoral work described in "Step-pool stability: testing the jammed state hypothesis" published in the Journal of Geophysical Research: Earth Surface in 2010. Estimates of the keystone, framework, and matrix material developed using Zimmerman's methodology will be compared with incipient motion calculations and California Department of Fish and Wildlife procedures for estimating engineered streambed material. Although the structure will be designed to survive velocities and shear stresses likely to be experienced during extreme events, flood flow conditions are unpredictable and such events may destabilize the structure.

The step pool structure is designed to provide heterogeneous and complex flow characteristics typically found in self-formed, step-pool structures. Hydraulic drops between steps will be designed to be 0.5 feet or less with seams between rocks that permit swim through and leaping opportunities for fish depending on the flow. Velocities will tend to be highest near the channel center and lower along the margins. Boulders will be placed in the pools between the steps to provide locations were fish can seek temporary refuge from high velocities as they move through the structure. The range of design flows will be estimated using procedures developed in "Estimating flow-duration and low-flow frequency statistics for unregulated streams in Oregon: U.S. Geological Survey Scientific Investigations Report 2008-5126". The high and low fish passage design flows will include mean daily average stream discharge that is exceeded 5 % and 95 % of the time when passage is expected, respectively. High design flows will be estimated using the time period between the late fall and early spring. Low design flows will be estimated using the time period in the late spring through the early fall.

The existing diversion structure will be removed with an excavator. Broken concrete and other parts of the diversion structure will be removed from the area and disposed of off-site. One or two excavators will be used to construct the engineered stream channel. This channel will be roughly 160-feet long and have

an overall gradient of 5%. Contractor will use a 10-wheel, end-dump dump truck to deliver boulders and the engineered stream bed materials to the site; excavators will be used to manipulate construction materials in the staging area and to place rock during the construction of the step-pool structure. The engineered stream bed materials will be constructed in lifts and compacted using a combination of vibratory compactors and the excavator.

The current fish screen bypass pipe drops screened fish roughly 3.5 feet into a shallow section of Wagner Creek. Concrete downwells will be built to transition fish bypassed by the screen gently back into Wagner Creek. This work will be done by hand using plywood forms and a concrete mixer.

Inspector: L. Joey Howard (Hydraulic and Fish Passage Engineer) and Brian R. Barr (Fisheries Biologist)

Funding Elements:
1 - Project Management (Geos Institute staff time) - Brian R. Barr, Aquatic Project Manager, contract management, project oversight, project inspection
2 - Construction Activities - site preparation, dewatering, step-pool construction, headwall construction, screen bypass pipe reconfiguration
3 - Materials - headwall, gate valve, concrete
4 - Administration

Partners: Yes

ODFW - technical assistance (design and permit acquisition)
Oregon Department of Water Resources - technical assistance (calibrate water measurement flume)
Cascade Stream Solutions - design, construction oversight, and monitoring

Existing Plan: No

Affected Contacted: Yes

Affected Supportive: Yes

Affected Comments: The landowner and water right holder have been contacted, have had input to project conceptual design, and are supportive of the project.

Project Schedule/Participants/Funding

Activity	Date	Participants
Final Design	2/21/2014	Cascade Stream Solutions
Permit Applications obtained	6/13/2014	Geos Institute
Contracting	6/30/2014	Geos Institute
Materials Aquisition	8/1/2014	Contractor
Construction	8/28/2014	Contractor
Construction Oversight	8/28/2014	Cascade Stream Solutions
Project Inspection	9/5/2014	Geos Institute
Post Project Implementation Review	8/28/2015	Geos Institute

Affected Species: Coho Salmon
Steelhead

Project Permits

Name	Issued By	Secured?	Date Secured	Date Expected
Floodplain Review	Jackson County	No	1/1/0001	5/2/2014
Riparian Vegetation Management Plan	Jackson County	No	1/1/0001	5/2/2014
Fish Passage Approval	Oregon Department of Fish and Wildlife	No	1/1/0001	5/2/2014
Wetlands Removal-Fill Permit	Oregon DSL and Army COE	No	1/1/0001	6/13/2014
National Historic Preservation Act	Oregon SHPO	No	1/1/0001	5/16/2014

Project Monitoring

Organization	Address	Activity	Frequency
Cascade Stream Solutions	295 East Main Street, Suite 11 Ashland, OR 97520	Hydraulic conditions within fishway	1 late summer and 1 during moderate-high winter flow
Geos Insitute	84 4th Street Ashland, OR 97520	As built survey of fish screen bypass pipes and downwells	once
Geos Institute	84 4th Street Ashland, OR 97520	As built survey of fishway to measure water surface differential at each step in fishway	once per year for two years
Oregon Water Resources Department	10 South Oakdale, Suite 309A Medford, OR 97501	Calibrate irrigation diversion measurement flume	once

Project Maintenance

Organization	Address	Activity	Frequency
Beeson-Robinson Ditch Association	7061 Wagner Creek Rd Talent, OR 97540	Remove debris from irrigation intake in spring	once per year; as needed if summer storm
Beeson-Robinson Ditch Association	7061 Wagner Creek Rd Talent, OR 97540	Close headgate	once per year; as needed if summer maintenance

Beeson-Robinson Ditch Association	7061 Wagner Creek Rd Talent, OR 97540	remove debris from fish screen bypass downwells	as needed during irrigation season

Project Match Funding

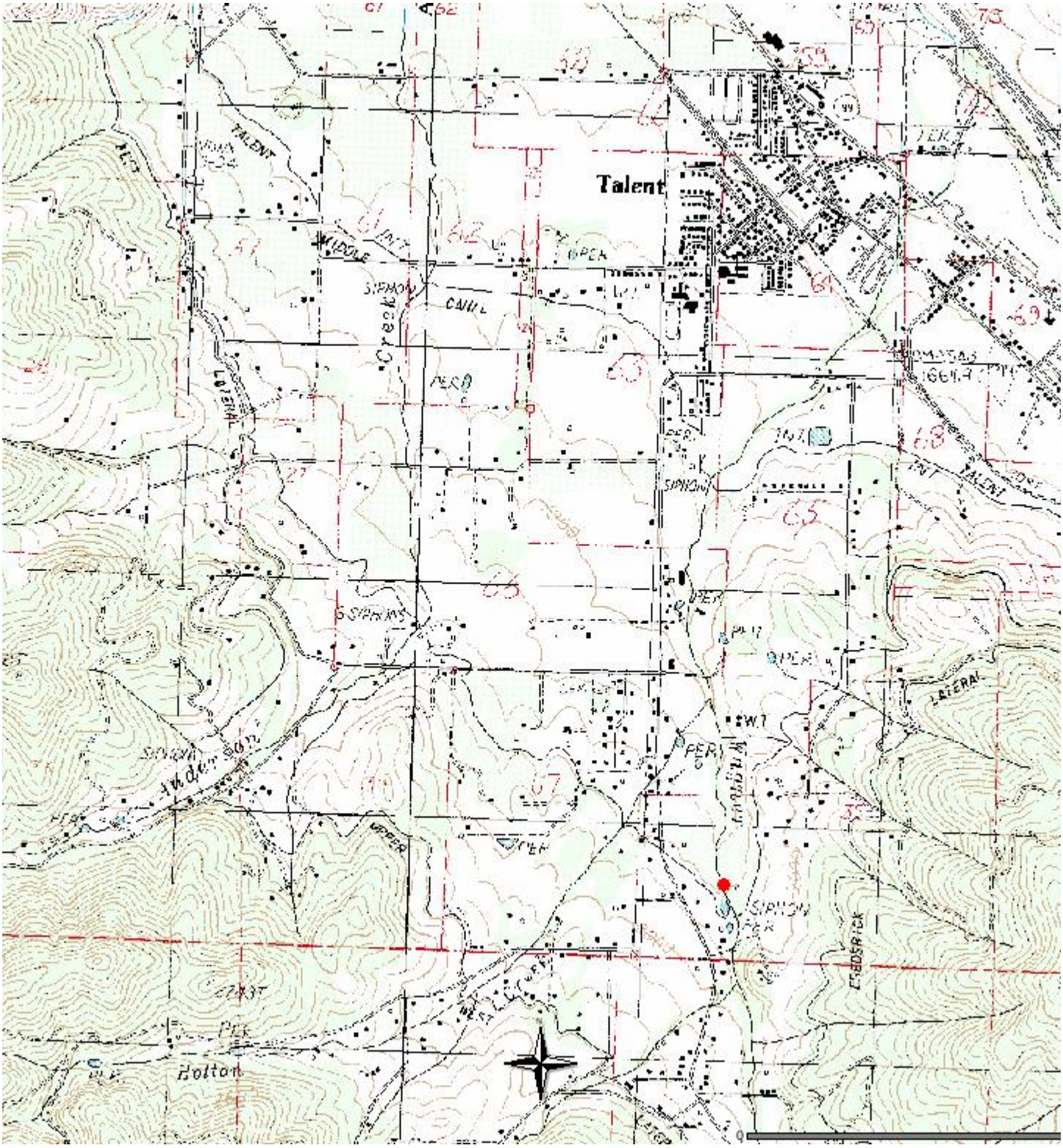
Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	$20,360.75	$0.00	$0.00		$20,360.75	No	No	
ODFW - Central Point	$0.00	$1,000.00	$0.00		$1,000.00	Yes	No	
Geos Institute	$14,880.00	$786.80	$0.00		$15,666.80	Yes	No	
Burning Foundation	$5,424.00	$0.00	$0.00		$5,424.00	No	No	
Cascade Stream Solutions	$0.00	$2,000.00	$0.00		$2,000.00	Yes	No	
National Fish and Wildlife Foundation	$15,900.00	$0.00	$0.00		$15,900.00	Yes	No	
Oregon Watershed Enhancement Board	$121,751.20	$0.00	$0.00		$121,751.20	No	No	
The Freshwater Trust - Blue Sky	$20,421.13	$0.00	$0.00		$20,421.13	No	No	
				Total Match Funding:	$202,523.88			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Administration	Administration	1	$19,222.58	$2,655.75	$16,566.83	$19,222.58
As Built & 1-Year Surveys	Contracted Services	16	$125.00	$0.00	$2,000.00	$2,000.00
Bank Reconstruction	Contracted Services	150	$23.00	$3,450.00	$0.00	$3,450.00
Channel Placement	Contracted Services	350	$103.50	$0.00	$36,225.00	$36,225.00
Clear & Grub	Contracted Services	1	$4,375.00	$0.00	$4,375.00	$4,375.00
Construction Oversight	Contracted Services	40	$100.00	$0.00	$4,000.00	$4,000.00
Demolition	Contracted Services	1	$1,725.00	$1,725.00	$0.00	$1,725.00
Dewatering	Contracted Services	1	$3,000.00	$3,000.00	$0.00	$3,000.00
Dispose Rubble	Contracted Services	15	$46.00	$0.00	$690.00	$690.00
Erosion Control	Contracted Services	1	$1,250.00	$0.00	$1,250.00	$1,250.00
Excavation	Contracted Services	300	$16.10	$0.00	$4,830.00	$4,830.00
Excavation Disposal	Contracted Services	100	$40.25	$0.00	$4,025.00	$4,025.00
FEMA Letter of Map Revision	Contracted Services	60	$100.00	$0.00	$6,000.00	$6,000.00
Final Design	Contracted Services	150	$100.00	$0.00	$15,000.00	$15,000.00
Fish Screen Bypass Pipe Reconfiguration	Contracted Services	1	$1,725.00	$0.00	$1,725.00	$1,725.00
Headwall Construction and Irrigation Pipe Fitting	Contracted Services	1	$575.00	$575.00	$0.00	$575.00
Historic Property and Archaeology Survey	Contracted Services	40	$50.00	$0.00	$2,000.00	$2,000.00
Hydraulic Monitoring	Contracted Services	16	$125.00	$0.00	$2,000.00	$2,000.00
Large Wood Placement	Contracted Services	12	$345.00	$0.00	$4,140.00	$4,140.00
Mobilization	Contracted Services	1	$9,515.00	$0.00	$9,515.00	$9,515.00
Revegetation	Contracted Services	12	$50.00	$0.00	$600.00	$600.00
Tree Removal	Contracted Services	625	$5.00	$3,125.00	$0.00	$3,125.00
Monitoring & Reporting	Personnel	34	$65.00	$0.00	$2,210.00	$2,210.00
ODFW Technical Assistance	Personnel	20	$50.00	$0.00	$1,000.00	$1,000.00
Permitting	Personnel	40	$65.00	$0.00	$2,600.00	$2,600.00
Project Management	Personnel	160	$65.00	$1,000.00	$9,400.00	$10,400.00
Boulders	Supplies/Materials /Services	250	$57.50	$0.00	$14,375.00	$14,375.00
Concrete	Supplies/Materials /Services	1	$1,725.00	$1,725.00	$0.00	$1,725.00
Conditional Letter of Map Revision Application Fee	Supplies/Materials /Services	1	$6,050.00	$0.00	$6,050.00	$6,050.00
Engineered Stream Bed	Supplies/Materials /Services	50	$51.75	$0.00	$2,587.50	$2,587.50
Flow Measurement Flum	Supplies/Materials /Services	1	$9,200.00	$0.00	$9,200.00	$9,200.00
Gate Valve	Supplies/Materials /Services	1	$1,150.00	$1,150.00	$0.00	$1,150.00

Headwall	Supplies/Materials /Services	1	$1,955.00	$1,955.00	$0.00	$1,955.00
Large Wood	Supplies/Materials /Services	12	$805.00	$0.00	$9,660.00	$9,660.00
Letter of Map Revision Application Fee	Supplies/Materials /Services	1	$5,000.00	$0.00	$5,000.00	$5,000.00
Native Seed Mix	Supplies/Materials /Services	1	$132.00	$0.00	$132.00	$132.00
Permits (varying costs)	Supplies/Materials /Services	1	$2,300.00	$0.00	$2,300.00	$2,300.00
Pipe	Supplies/Materials /Services	80	$28.75	$0.00	$2,300.00	$2,300.00
Trees	Supplies/Materials /Services	15	$18.00	$0.00	$270.00	$270.00
Mileage To and From Site	Travel	240	$0.57	$0.00	$136.80	$136.80
					Total Budget:	$202,523.88

Project Map



Additional Files

Click a link to view that particular file.

Geos Letter on Permits

IRS Letter

Landowner Consent Letter

ODFW Fish Passage Program

ODFW Letter of Support

ODFW Screen Shop

Signature Authorization Page

Site Map

Site Photographs

Signature Authorization Page

I hereby make an application for financial assistance under the terms and conditions of the R&E Program as described in my project application.

I understand that if my project is approved for funding, the following will apply:

- All project sponsors must sign a grant agreement containing the terms and conditions on which funding will be released.
- Project expenses which occur before the grant agreement is signed or after the expiration date will not be paid by the R&E Program.
- Copies of all necessary permits must be submitted to the R&E Program.
- Project sponsors must certify compliance with local, state, and federal regulations and laws.
- Landowner, monitoring and maintenance agreements must be submitted to the R&E Program.
- Regular progress reports may be required, and at the end of each project a Completion Report must be submitted.
- Educational products resulting from projects are public domain.
- All information submitted to either party under this application is subject to the federal Freedom of Information Act.

Project Title: Beeson-Robinson Fish Passage Improvement

Applicant: Geos Institute

Date: November 22, 2013

Fiscal Officer: [redacted]

Date: November 1, 2013

Oregon
John A. Kitzhaber, MD, Governor

Department of Fish and Wildlife
Rogue Watershed District Office
1495 East Gregory Road
Central Point OR 97502
(541) 826-8774
(541) 826-8776
dfw.state.or.us

October 2, 2013

Brian Barr
Geos Institute
84 4th Street
Ashland, OR 97520

RE: application for fish passage improvement in Wagner Creek

Dear Brian,

The Oregon Department of Fish and Wildlife (ODFW) supports Geos Institute's application for fish passage improvement at the Beeson Robison irrigation diversion on Wagner Creek. Wagner Creek supports populations of summer and winter steelhead and resident trout. Coho salmon (federally listed as threatened) have not been documented in Wagner Creek, however, ODFW believes coho use the creek for spawning and rearing, including the reach of creek where the diversion is located. Improving passage at this irrigation diversion will improve access to over three miles of spawning and rearing habitat for anadromous fish.

The diversion structure is a channel spanning, concrete and wooden flashboard structure which stands approximately five feet high with the flashboards in place. When the flashboards are out, the structure is approximately three feet high. A concrete toe is present at the base of the dam making passage even more difficult. These conditions make the dam a significant barrier to migrating fish. The dam is likely a complete barrier to all upstream migrating juvenile fish at all times of year and a partial barrier to adult migratory fish with passage dependant on ideal flow conditions.

ODFW will continue to support this project by providing technical assistance in project design review, permitting and construction. This contribution is valued at $1000.00.

Please feel free to contact me with any questions.

Sincerely,

[redacted]

Jay Doino
Western Oregon Stream Restoration Program Biologist
Oregon Department of Fish and Wildlife
Rogue Watershed District Office

10 October 2013

Brian Barr
Geos Institute
84 4th Street
Ashland, OR 97520

Dear Brian,

As owners of the land on which the Beeson –Robison Diversion dam crosses Wagner Creek, My wife and I are very pleased to support the proposed project to improve passage of fish through our property. While we have lived on this property only a few years, we are very interested in improving and protecting its natural environment.

Our discussions with you and the Geos Institute, and Joey Howard, Cascade Stream Solutions have been very informative and interesting. We are both 5th generation Oregonians and proud of our beautiful state. It would be thrilling for us to see the improvement of natural habitat for birds, fish and animals on our land. We will happily allow the work to proceed and wholeheartedly support the goal of this project.

Sincerely,

John C. Bigelow & Lucille J. Bigelow, Co-Trustees of the Bigelow Family Trust
8055 Wagner Creek Rd
Talent, OR 97540
541 897 0557

[redacted]

John C. Bigelow

[redacted]

Lucille J. Bigelow

Beeson-Robinson Dam Looking Upstream

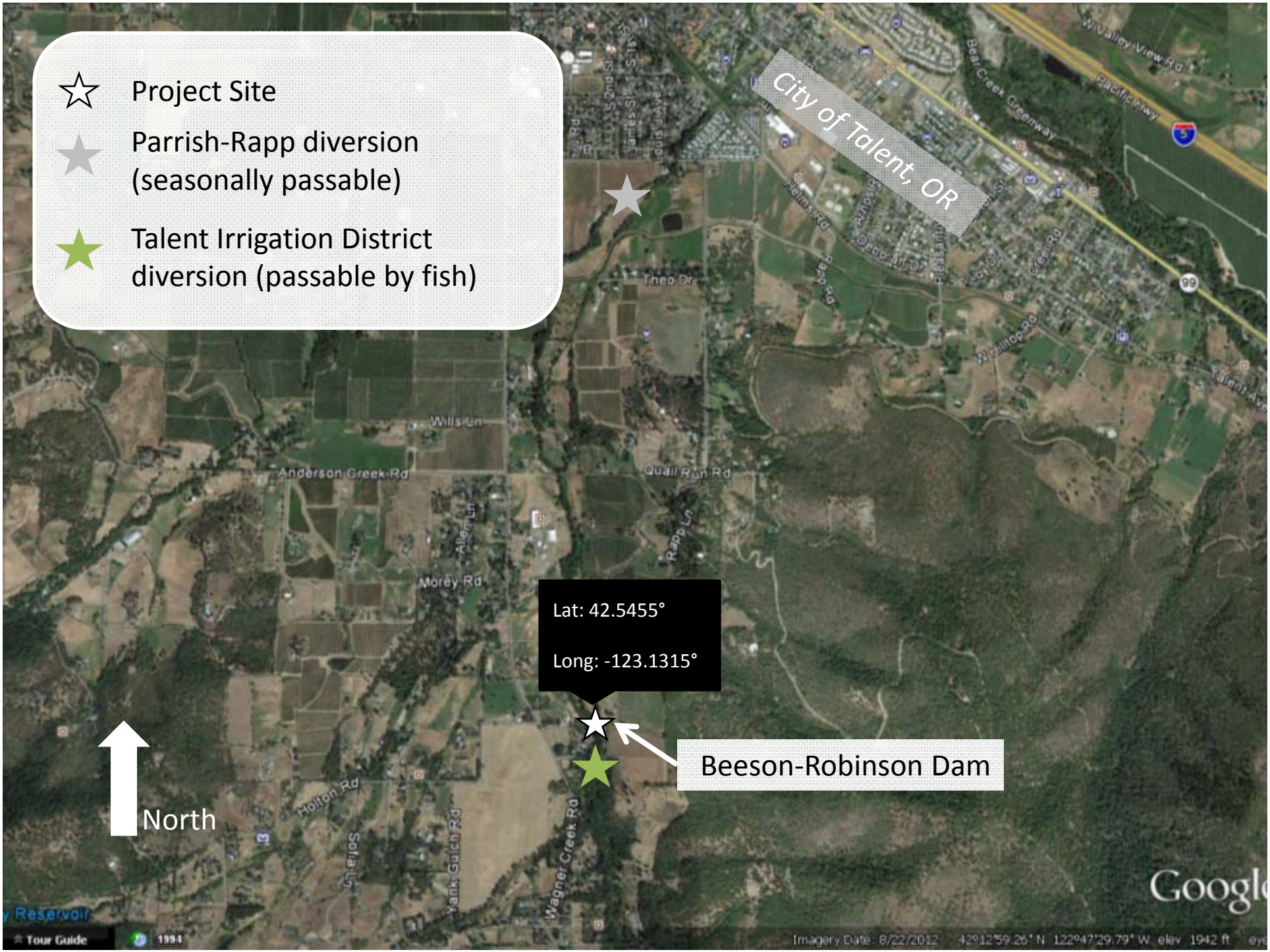
During Irrigation Season - July

After Irrigation Season - October


Beeson-Robinson Dam From Right Bank
During Irrigation Season - July


After Irrigation Season - October


Beeson-Robinson Fish Screen Bypass Pipe
During Irrigation Season - July
After Irrigation Season - October


Project Site
Parrish-Rapp diversion (seasonally passable)
Talent Irrigation District diversion (passable by fish)
City of Talent, OR
Lat: 42.5455°
Long: -123.1315°
Beeson-Robinson Dam
North
Theo Dr
Wills Ln
Anderson Creek Rd
Morey Rd
Quail Run Rd
Rapp Ln
Allen Ln
Holton Rd
Yank Gulch Rd
Wagner Creek Rd
Bear Creek Greenway
W Valley View Rd
Pacific Hwy
W Hilltop Rd
Talent Ave
Google


North
Beeson-Robinson Dam
Yank Gulch Rd
© 2013 Google
Google e
Imagery Date: 8/22/2012 42°13'01.40" N 122°47'21.19" W elev 1959 ft eye alt

GEOS INSTITUTE

November 11, 2013

Oregon Department of Fish & Wildlife
Restoration and Enhancement Board
4034 Fairview Industrial Drive. SE
Salem, OR 97302

Restoration & Enhancement Board:

This letter demonstrates that Geos Institute has a plan to acquire the necessary clearances to complete the Beeson-Robinson Fish Passage Improvement Project on Wagner Creek.

We will initiate acquisition of these clearances once engineering reaches 70% design level to ensure that removal-fill and acreage-affected quantities are certain (these figures trigger different level requirements). We expect to have all permits and authorizations in place by late May of 2014. This will give us plenty of leeway to start and complete construction within the in-water work window stipulated by ODFW and NOAA-Fisheries.

The following permits are expected:

Permit	Schedule		Permit	Schedule
Floodplain Review (Jackson Co)	03/15/2013		Riparian Vegetation Management Plan (Jackson Co)	03/15/2013
Fishway Design (ODFW)	03/15/2013		Wetland Removal-Fill Permit (ODSL)	05/31/2013
Wetland Removal-Fill Permit (Army Corps of Engineers)	05/31/2013		Section 106 of National Historic Preservation Act (Oregon SHPO)	04/15/2013
Biological Opinion (NOAA-Fisheries)	05/31/2013		Conditional Letter of Map Revision (Jackson Co)	05/31/2013

Please contact me at (541) 621-7226 if you have any questions about this project or our permit schedule.

Sincerely,

[redacted]

Brian R. Barr
Aquatic Project Manager

MEMORANDUM

Department of Fish and Wildlife
Intra Departmental

Date: December 10th, 2013

To: ODFW Recreation and Enhancement Board (R&E)

From: Ken Loffink, Assistant Fish Passage Coordinator [redacted]

Subject: **Beeson-Robinson Diversion Fish Passage Project on Wagner Creek**

Dear R&E Board,

The Beeson-Robinson Diversion on Wagner Creek is in the Rogue River Watershed and is located near Talent, Oregon. Currently the diversion consists of an old concrete dam that serves as a major migration barrier to native migratory fish. The Geos Institute, located in Ashland, is leading efforts to improve fish passage at this site by removing the dam and replacing it with a series of rock weir step pools that will both provide an adequate water surface elevation for diversion of flow, as well as provide adequate hydraulic conditions for fish passage.

ODFW Upper Rogue Fish District Staff, ODFW Central Point Screen Shop Staff, and National Marine Fisheries Service Staff (NMFS) have all been involved in the preliminary design process, and ODFW feels that this project will provide significant benefits to the native migratory fish communities present in Wagner Creek, which include steelhead, Endangered Species Act (ESA) listed coho, and others. While still in the preliminary design phase, the Geos Institute, and their consultant, have been in contact with the ODFW Fish Passage Program regarding the design, and they will continue to work with us throughout the design process to ensure all ODFW fish passage criteria are met. Once the design is finalized, the project will receive ODFW's fish passage approval.

Please consider these details as you review this application for funding. If you have any questions regarding fish passage for this project, please do not hesitate to call me at 503-947-6256, or email me at ken.j.loffink@state.or.us.

Cc: Dan VanDyke, ODFW
Jay Doino, ODFW
Kevin Herkamp, ODFW
Rich Kilbane, ODFW
Joey Howard, Cascade Solutions
Brian Barr, Geos Institute

Oregon
John A. Kitzhaber, MD, Governor

Department of Fish and Wildlife
Rogue Watershed District Office
1495 East Gregory Road
Central Point OR 97502
(541) 826-8774
(541) 826-8776
dfw.state.or.us

November 7, 2013

Oregon Dept of Fish & Wildlife
R&E Program
4034 Fairview Industrial Dr. SE
Salem, OR 97302

To Whom It May Concern:

ODFW's Central Point Screen Shop installed a fish screen on the Beeson-Robison ditch in 2000, and immediately began working on a fish passage fix. The design work was completed, but not before funding issues caused the project to be put on hold.

Brian Barr and the GEOS Institute have re-initiated the project, and have been working closely with us to come up with a new design that will better serve all parties involved, including fish.

Sincerely,

[redacted]

Rich Kilbane
SW Field Coordinator
Fish Screening and Passage Program

(541) 826-8774 ext. 243

IRS Department of the Treasury
Internal Revenue Service
P.O. Box 2508, Room 4010
Cincinnati OH 45201

In reply refer to: 4077550279
July 25, 2011 LTR 4168C 0
93-0880205 000000 00
00033605
BODC: TE

GEOS INSTITUTE
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84 FOURTH ST
ASHLAND OR 97520-2150

037330

Employer Identification Number: 93-0880205
Person to Contact: Sophia Brown
Toll Free Telephone Number: 1-877-829-5500

Dear Taxpayer:

This is in response to your June 24, 2011, request for information regarding your tax-exempt status.

Our records indicate that you were recognized as exempt under section 501(c)(3) of the Internal Revenue Code in a determination letter issued in March 1993.

Our records also indicate that you are not a private foundation within the meaning of section 509(a) of the Code because you are described in section(s) 509(a)(1) and 170(b)(1)(A)(vi).

Donors may deduct contributions to you as provided in section 170 of the Code. Bequests, legacies, devises, transfers, or gifts to you or for your use are deductible for Federal estate and gift tax purposes if they meet the applicable provisions of sections 2055, 2106, and 2522 of the Code.

Please refer to our website www.irs.gov/eo for information regarding filing requirements. Specifically, section 6033(j) of the Code provides that failure to file an annual information return for three consecutive years results in revocation of tax-exempt status as of the filing due date of the third return for organizations required to file. We will publish a list of organizations whose tax-exempt status was revoked under section 6033(j) of the Code on our website beginning in early 2011.

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If you have any questions, please call us at the telephone number shown in the heading of this letter.

Sincerely yours,

[redacted]

Cindy Thomas
Manager, EO Determinations