

Interpretive/Education exhibit for the Linn County Historical Museum (located in Brownsville) that will document before and after of the dam removal, history of the site, etc. - \$1,000

Informational mailings will be sent to all Council and Canal Company members providing quarterly project updates for 2 years for a total of 8 mailings to 150 people - \$500 (postage)

Photocopies for mailings, draft reports, etc. - \$140

Equipment - Total: \$12,200

Irrigation pump, necessary screening and pump housing - \$10,000

A powerpoint projector and laptop to use at Council meetings, conferences and community presentations to share the progress and results of the project - \$2,200

Fiscal Administration – 10% of total project

Monitoring - Total: \$50,000

The Calapooia Watershed Council is in the process of identifying monitoring parameters. This has been the most challenging portion of the project to pull together. Very few dam removals have taken place in Oregon and they are not well monitored or information about the monitoring is not readily available.

Council Coordinator and/or Project Manager will:

- Establish photo points at the site prior to dam removal. Take photos of the site annually for 3 years following dam removal and at appropriate intervals thereafter until the site has stabilized and is re-vegetated (expected to take 3 to 5 years). No additional cost.

ODFW monitoring will include:

- Redd surveys and spawning surveys for winter steelhead and spring chinook on an annual basis in the basin. These are expected to continue into the foreseeable future (10 plus years, depending on state budgets). No additional cost.

Monitoring to be accomplished with hired contractor: Total - \$50,000 (See budget table for costs for each parameter).

- Establish at least three permanent benchmark channel cross sections at selected locations across upstream sediment wedge. (1-year pre-implementation, annually for 5-years post-implementation)
- Complete longitudinal profile survey from upstream end of sediment wedge downstream to the eighth meander pool tailout. (Annually for 5-years post-implementation)
- Establish three permanent benchmark channel cross sections at each of the eight downstream meander lengths, one at the head of each meander, one at the apex of each meander and one at the tailout of each meander. (1-year pre-implementation, annually for 5-years post-implementation)

- Conduct particle size distribution data collection at the three upstream channel cross section transects and at each of the eight downstream meander pool tailout cross section transect locations. (1-year pre-implementation, annually for 5-years post-implementation)
- Collect macro invertebrate samples at the three upstream benchmark channel cross section transects and at each of the eight downstream meander pool tailout cross section channel transect locations. (1-year pre-implementation, annually for 5-years post-implementation)
- Using longitudinal survey and channel cross section survey data, calculate residual pool volumes for all eight of the downstream meander pools. (1-year pre-implementation, annually for 5-years post-implementation)
- Conduct habitat quality survey data, using ODFW protocols from upstream end of sediment wedge downstream to the eighth meander pool tailout. (1-year pre-implementation, years 1, 3 and 5 post implementation)

LEGAL REQUIREMENTS

AGREEMENTS:

I/we Calapooia Watershed Council of Linn County, Oregon, hereby make application for financial assistance under the terms and conditions of the Oregon Watershed Enhancement Board in the amount of **\$676,710**. The total cost of the project is **\$860,020** as shown on page 1.

I/we understand that if this proposal is funded, I/we will be required to:

- Sign a Grant Agreement containing the terms and conditions upon which funds will be released, including submission of necessary permits and documents, a certification to comply with state, federal and local regulations, and a release of liability for the State of Oregon;
- Obtain landowner, monitoring, and maintenance agreements;
- Certify that the project complies with state, federal and local regulations;
- Submit written evidence that all applicable permits and licenses from local, state or federal agencies or governing bodies have been obtained **or are not needed**;
- Submit a report at the completion of the project, and subsequent periodic reports as required, to OWEB on the project's performance;
- Agree that educational products resulting from projects are public domain;
- For restoration projects, complete the Oregon Watershed Restoration Reporting form; and
- For restoration projects, certify that the work to be accomplished will comply with the Oregon Aquatic Habitat Restoration and Enhancement Guidelines.

(by *DC/HH*)

Signed: *Bud Baumgartner* Date: *4/24/06*

Title: *Council Chair*

MATCH FUNDING FOR OWEB GRANTS

*Please document the match funding listed on
page 2 and the budget page of your grant application*

Match funding does not have to be secured at the time of application but you must document that at least 25% of match funding has been sought. Should you receive a grant from OWEB, at **least 25% in match must be secured prior to OWEB providing any funds**. Generally OWEB funds may not be used as match for OWEB grants.

Match funding may be in the form of cash on-hand or cash that is pledged to be on-hand before the project begins, secured funding commitments, pending funding commitments (must be secured before the project begins and no later than 12 months from the date of the OWEB award), and the value of in-kind labor, equipment rental and materials, based on local market rates, essential to the project.

This form is provided for your convenience. You may use it, or provide letters or other appropriate documentation from your project contributors that include the dollar value of their match.

Project Name: Removal of Brownsville Dam and Restoration of the Calapooia River

Applicant: Calapooia Watershed Council

Match Funding Source	Signature of Authorized Representative	Dollar Value	Secured/Pending	Date
Calapooia Watershed Council		\$1,500	Secured	
City of Brownsville	<i>See attached letter of support</i>	\$15,000	Secured	
Brownsville Canal Company	<i>See attached letter of support</i>	\$900	Secured	
NMFS	<i>See attached letter of support</i>	\$3,500	Secured	
ODFW	<i>See attached letter of support</i>	\$3,000	Secured	
OWRD	<i>See attached letter of support</i>	\$650	Secured	
US Forest Service Sweet Home Ranger Station	<i>See attached letter of support</i>	\$3,000	Secured	
Bella Vista Foundation	Foundation decision by mid-May 2006. Funding contingent on receipt of OWEB funding	\$30,000	Pending	5/30/06
US Forest Service Title II RAC	RAC decision in July 2006	\$92,250	Pending	7/30/06
BLM Title II RAC	RAC decision in July 2006	\$89,200	Pending	7/30/06

40684 McQueen Dr.
Sweet Home, Or.
97386
April 18, 2006

OWEB
Restoration Grant Review Team
775 Summer Street NE, Suite 360
Salem, Or. 97301

Dear Grant Review Team,

I have been a member of the Calapooia Watershed Council since its formation in 1999, I have been the Council Chair for the last 4 years. I live and farm adjacent to the river upstream from the proposed project.

For the past 4 years, the Council has been working with the Brownsville Canal Company and the Brownsville Community to resolve fish passage problems caused by the Brownsville Dam. The Dam is a known barrier for spring chinook salmon and winter steelhead, both threatened species, as well as cutthroat trout and eel. We have reached a point where community support is overwhelmingly in favor of dam removal. Taking the dam out will significantly improve fish passage to many miles of good upstream fish habitat.

With agreement from the dam owners, we have the opportunity to remove a dam from an anadromous fish bearing river in a non controversial way. The Council has the skills and desire to successfully complete this project. We now need the funds to pay for the work.

I strongly recommend that you approve our grant request for OWEB funds to help finance the removal of the Brownsville Dam.

I estimate that as Council Chair I will spend 200 hours of volunteer time valued at \$8,000.00 on coordination, review and supervision of this project.

Sincerely,



Bud Baumgartner Chair
Calapooia Watershed Council



OWEB
Restoration Grant Review Team
775 Summer Street NE, Suite 360
Salem, OR 97301

March 20, 2006

Re: Calapooia Watershed Council Grant Application for Brownsville Dam

The City of Brownsville is writing to support the Calapooia Watershed grant application for work to be done towards the removal of the Brownsville Dam. The City is the largest water right holder on the Brownsville Canal with a 2 cfs water right for aesthetic purposes. Any changes to the Brownsville Dam will have an impact on the canal's function as a cultural and historic resource in our community. The City understands the negative impacts the dam is having on the migration of anadromous fish and is willing to participate in the process to develop a solution that meets the needs of all the stakeholders.

The City worked with a multi-agency partnership to designate as a State Scenic Byway Highway 228, which runs through Brownsville. Fish passage improvements to Brownsville Dam and Canal have the potential to become tourism resources with the development of interpretive signs outlining the history and settlement of the region describing the original purpose of the Dam and how its need has changed over time.

We anticipate a substantial contribution of City Manager, City Planner and City Mayor time in support of this project. The City will provide meeting room space for any public meetings or other stakeholder meetings related to this project. Our Public Works department has worked with the Calapooia Watershed Council in the past and is available on a limited basis to assist them in the future. We are unable to provide any cash match to the project at this time due to the constraints of the City's budget, but we would estimate a probable value of up to \$15,000 - \$20,000 in staff and equipment time being donated to this project. The Calapooia Watershed Council has provided a great service to the community and the City of Brownsville has supported their work.

Sincerely,

Rob Wingren
Mayor, City of Brownsville

Oregon Watershed Enhancement Board
Restoration Grant Review Team
775 Summer Street NE, Suite 360
Salem, OR 97301

April 19, 2006

Dear Grant Review Team and OWEB Staff,

This letter is in support of the grant request from the Calapooia Watershed Council for removal of the Brownsville Dam. I have served and vice-president of the Brownsville Canal Company for over 18 years. Our community loves this dam and the wonderful swimming hole it forms, but we also realize that the few individuals who live along the millrace can no longer afford the high insurance and maintenance costs. Raising just enough money for insurance each year is a struggle, and the rates are rising.. We fear the day someone is injured at the site.

Through the good work of the Calapooia Watershed Council, and especially their coordinator Denise Hoffert-Hay, the public has voiced strong support for dam removal coupled with a pumping system to insure that water remains flowing in the historic Brownsville Canal. Denise has provided accurate, reliable, and clear information to the public. She has led the entire process in a non-judgmental way and without bias toward outcome. Her leadership has been key to the community coming to its own decision in support of dam removal.

The Canal Company will continue to work with the Council on this project in any way we may help. We are relying on these grant funds to cover engineering, demolition and construction costs. We now have public support to remove this dam, and it is vital that we receive the funding to make the project happen.

We expect to be involved in the final design processes for dam removal and installation of the pumping station. Representatives of the Canal Company will attend all public meetings and other meetings as time permits for a total contribution of 60 hours.

Thank you for your consideration,



William K. Nelson, Canal Company Vice-President