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Fish & wildlife Budgets FY 2006 budget

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## Response for project 1982-013-02: Coded Wire Tag - Odfw

- Complete these 6 fields to comment on the proposed FY 2006 budget for this project.
- Please read the "help and sample answers" link for each narrative question before proceeding.
- Narrative questions have a 2000-character (about 400 words) limit. A "\_\_\_ characters left" counter shows how much room you have left as you type.
- This page requires Javascript and cookies to be enabled, and creates windows that older pop-up blockers might block. See [troubleshooting help](#).

### Budget

Comment on proposed FY 2006 budget of **\$217,881** ([more project detail here](#)). Read the [help and sample answer](#). (2000 character maximum: 2000 characters left)

### Past accomplishments

List accomplishments since the last review (2003) ([more project detail here](#)).

[Why are we asking for metrics, and what are they?](#)

**Metrics** - [Add, delete or edit metrics](#)

Start and end dates of easement (mm/dd/yyyy)	4/15/2005 - 9/15/2005
# of acres of renewed easement (0.1 ac.)	125
# of stream miles treated (0.01 mi.)	500
# of miles of fence (0.01 mi.)	50

**Narrative** (read [help and sample answer](#))

(2000 character maximum: 2000 characters left)

### Goals

List FY 2006 goals and anticipated accomplishments.

[Why are we asking for metrics, and what are they?](#)

**Metrics** - [Add, delete or edit metrics](#)

Start and end dates of easement (mm/dd/yyyy)	4/15/2009
# of acres of renewed easement (0.1 ac.)	100

**Narrative** (read [help and sample answer](#))

(2000 character maximum: 2000 characters left)

### Subbasin planning

How is this project **consistent** with subbasin plans? Read the [help and sample answer](#).

(2000 character maximum: 2000 characters left)

How do goals match subbasin plan **priorities**? Read the [help and sample answer](#).  
(2000 character maximum: 2000 characters left)

**Other comments**

Other comments (if these comments apply to multiple projects, list other project numbers here)  
(2000 character maximum: 2000 characters left)

submit response

The Council staff, with assistance from Bonneville, reviewed ongoing projects that are likely candidates for renewal in Fiscal Year 2006, and identified the budget for each project. The budget determination is based on a continuation of the previously Council recommended scope of work. It is important that sponsors understand that in this renewal process **new or expanded activities will not be recommended for funding**. New or expanded work will be considered in the next Provincial Review Process. Similarly, in order to support all of the ongoing projects that the Council staff anticipates will seek renewal in Fiscal Year 2006, requests for increased funding to address escalating personnel and/or materials costs will not likely be supported. However, sponsors may wish to provide information on additional funding demands caused by increasing costs in these areas so that it may be documented and considered by the Council and Bonneville as they design the project selection and recommendation process that will apply to Fiscal Year 2007 and subsequent years.

In commenting on your proposed FY 2006 budget figure, please report the following:

- Confirm that you desire renewal of your project for Fiscal Year 2006;
- If your ongoing project is not identified, provide the project number and title of your project, which province it is in — also provide the FY 2005 funding approved and contracted for;
- Confirm the Council staff Fiscal Year 2006 budget identified for your project if it appears consistent with your expectations;
- If you believe that the budget identified is **not consistent** with the budget previously approved by the Council or Bonneville, please reference as specifically as possible the Council or Bonneville approval action you believe applies and the funding level that you believe was approved (nature of action, date, authorizing person, etc);
- If you believe that the budget identified is **consistent** with the budget previously approved by the Council or Bonneville, but is **not sufficient** to implement the scope and nature of activities approved for the project, please specifically identify, the additional funds required and what previously approved project elements those funds are needed for. It is essential that you be specific when describing the additional funding necessary, and why those funds are needed (e.g. to deal with increased fuel costs, personnel costs, unanticipated costs to perform approved work, etc).

**Example response:**

The budget, while consistent with Bonneville's approved budget, won't cover new work for 2006 which includes upgrading fish ladders due to unexpectedly high mortality from seal predation this Spring. We request an additional \$250,000 to add seal barriers to fish ladders, which should immediately improve returning salmon numbers.

[close this page](#)

### **Past Accomplishments**

Sponsors should report what their projects have accomplished since the time they were recommended for funding by the Council in the last provincial review recommendation process. Although many ongoing projects have been in existence since well before the Provincial Review process, it is the Council's original Provincial Review recommendation (with any subsequent within-year modifications) that is being proposed for renewal for Fiscal Year 2006. Therefore, most appropriate benchmark in time for reporting accomplishments for Fiscal Year 2006 renewal is that last Council recommendation.

This online form presents a list of metrics (see [metrics help](#)) that you should choose from for reporting accomplishments. If the list of metrics doesn't allow you to report adequately, you may present your own in the narrative box, but it would be most helpful if they describe your accomplishments as directly and succinctly as those provided in the menu.

All sponsors are invited to couple their reports of accomplishments relative to metrics with a brief and direct narrative discussion.

**Example response:**

2003 - added 5 fish-friendly culverts to irrigation channels

2004 - fenced 10 miles near streambed to prevent erosion/siltation

[close this page](#)

**FY 2006 Goals**

In addition to reporting past accomplishments, sponsors should report what they expect to accomplish with the Fiscal Year 2006 funding sought. Report these in the same terms as [past accomplishments](#). Also see [metrics help](#).

**Example response:**

Winter 2005 - upgrade fish ladders to prevent seal predation

Spring 2006 - improve gravel beds at spawning locations, add natural debris

Fall 2006 - monitor effectiveness of new ladders

[close this page](#)

## Subbasin Planning

To demonstrate that your proposed project is consistent with a plan and priority work proposed by the plan, please provide the following information:

- **Consistency:** Cite the specific strategies and/or objectives in subbasin plan that your project relates to in order to demonstrate consistency. Provide the page number(s) of the plan where you cite to strategies and objectives. (These strategies and objectives should be located in the Management Plan and/or Addendum/Supplement to the Management Plan). Briefly explain how your project implements the strategies and objectives you cite.
- **Priority:** Cite provisions of the subbasin plan that demonstrate that the work conducted through your project is priority work as defined by the subbasin plan. Please provide section and page number references to the plan.

Examples of how priority can be presented include, but not limited to:

- where the applicable subbasin plans have an explicit Prioritization Framework (typically in the Management Plan section) describe how your project fits within it, or;
- where the applicable subbasin plan Assessment identified key limiting factors or key assessment findings, explain how your project addresses them, or;
- where the applicable subbasin plan prioritized or ranked habitat protection and restoration work by geographic area (such as in the EDT "tornado diagrams" or dot charts) explain how your work relates to those.

These are examples of how sponsors may make a showing of "priority" based on subbasin plans--other approaches are welcome, but should be grounded explicitly in the subbasin plan (Management Plan and/or Assessment). In all cases, please cite to the subbasin plan section(s) and page number(s).

## Not related to a subbasin plan?

If you do not believe that your proposal is related to a subbasin plan, please indicate "work not related to a subbasin plan" in the box. However, after doing that, you should specifically identify and cite any guidance or plan document that your proposal does relate to. Examples include the Council's 2000 Fish and Wildlife Program, the Updated Proposed Alternative for Operation of the FCRPS, etc.

### Example response:

#### Consistency:

The project is consistent with and implements Aquatic Strategies II, III(b), and X (Management Plan pages 2-11, 2-13, and 2-24). These strategies relate to Objectives A and B for redband trout (Management Plan pages 2-2 and 2-5). In addition, the Assessment identified stream temperature as a key limiting factor for spring chinook. This project is aimed at improving stream temperatures. Further, the "tornado diagram" in the Assessment shows that there are high benefits for restoration actions in the particular area of the subbasin where this work is proposed.

#### Priority:

The project accomplishes priority work under the subbasin plan, because the Prioritization Framework in the Management Plan puts [work of this type; work in this area; work for this species; etc] as a high priority.

[close this page](#)

## Work elements and metrics for FY 2006 budget respon

**Category:** BPA Internal Operations

**Work element:** Land Purchase

**Description:** Covers the direct wiring of money to escrow associated with real estate transactions. This work element only covers the purchase price or option of the land or easement (it may include escrow, title, and/or closing costs). Any work performed by TBL in support of the acquisition shall be covered by WE# 6: TBL Work.

**Metrics:** # of acres of new purchase/easement (0.1 ac.)  
# of acres of renewed easement (0.1 ac.)  
# of riparian miles protected (0.01 mi.)  
Start and end dates of easement (mm/dd/yyyy)  
Start date of the purchase (mm/dd/yyyy)

**Category:** Habitat Improvement

**Work element:** Increase Instream Habitat Complexity

**Description:** Work that adds natural materials instream to create habitat features or to improve channel morphology. Includes J-hooks, barbs, vortex weirs, and large woody debris (LWD). Can include work to stabilize or maintain a streambank, such as riprap. If structures are being added primarily to overcome a fish passage barrier, use WE# 184: Install Fish Passage Structure. If replacing or maintaining an existing structure use WE# 19: Replace/Maintain Instream Structure.

**Metrics:** # of stream miles treated (0.01 mi.)  
# of structures installed  
Start and end lat/long of treated reach (0.1")

**Work element:** Realign, Connect, and/or Create Channel

**Description:** Active attempts to directly add sinuosity, meanders, side channels, and/or off-channel habitats (e.g., sloughs or oxbows). May include reconnection of historical channels (either via excavation or diversion of existing streamflow), excavation of new channels, and/or significantly improving the functionality of existing channels (e.g., creating a "natural" spawning channel for chum). If work is solely to add structures/features that change hydraulic conditions and that may eventually cause channel realignment then use WE# 29: Increase Instream Habitat Complexity. If the work includes removal of a barrier for fish passage into upstream reaches of the existing channel then use WE# 84: Remove/Install Diversion WE# 85: Remove/Modify Dam or WE# 184: Install Fish Passage Structure

**Metrics:** # of stream miles treated before realignment (0.1 mi.)  
# of stream miles treated, including off-channels, after realignment (0.1 mi.)  
Start and end lat/long of treated reach (0.1")

**Work element:** Decommission Road

**Description:** Any activity that makes a road unusable including adding berms, pits, boulders or logs, and/or ripping or obliterating the road with heavy equipment that may involve re-contouring the slope. If planting vegetation or seeding use WE# 47: Plant Vegetation. If removal of fish barrier (e.g., culvert) is included, use WE# 84: Remove/Install Diversion, WE# 85: Remove/Modify Dam, or WE# 184: Install Fish Passage Structure. If work also involves channel realignment, use WE# 30: Realign, Connect, and/or Create Channel in addition to this work element.

**Metrics:** # of road miles decommissioned (0.01 mi.)  
Start and end lat/long of each treated road segment (0.1")  
Type of decommissioning (B/S/R): (Blocked, Scarified/Ripped, Recontoured)

**Work element:** Develop Terrestrial Habitat Features

**Description:** Includes the installation and/or creation of structures for the benefit of wildlife species, including, but not limited to, nest boxes/platforms, avian perches, snags, and artificial roosting sites.

**Metrics:** # of features

**Work element:** Improve Road

**Description:** Any work designed to eliminate or reduce erosion, sediment, and/or toxic run-off from reaching streams, rivers, or wetlands from roads currently in use.

**Metrics:** # of road miles improved, upgraded, or restored

**Work element: Install Fence**

Description: Work to install various types of fence and/or gates. Can also include cattle guards or water gaps for livestock.

Metrics: # of miles of fence (0.01 mi.)

**Work element: Plant Vegetation**

Description: Install plants for purposes such as erosion control, roughness recruitment, shading, restoring native habitat, forage enhancement, road removal. May be riparian or upland and includes seeding. If maintaining vegetation, use WE# 22: Maintain Vegetation.

Metrics: # of acres of vegetation planted (0.1 ac.)  
# of riparian miles treated (0.01 mi.; count each bank separately)

**Work element: Practice No-till and Conservation Tillage Systems**

Description: Includes establishing conservation tillage systems that focus on increased crop residue during subsequent crop seeding, and/or the reduction or elimination of traditional tilling practices. Work may also include the purchase of chaff chopper/spreaders and other small equipment (generally co-operatively purchased) designed to aid in no- or reduced- till operations and crop residue enhancement.

Metrics: # of acres treated (0.1 ac)

**Work element: Remove Mine Tailings**

Description: Work to remove or re-contour remnant landscape effects from old mining operations. Could be terrestrial or aquatic in nature.

Metrics: # of acres treated (0.1 ac)  
# of miles of habitat accessed (0.1 mi.)  
Did the tailings create a fish passage barrier? (Y/N)  
Was barrier Full or Partial? (F/P)

**Work element: Remove vegetation**

Description: Removal, either mechanical, biological, or chemical, of one or more plant species or a number of individuals of a plant species. Often are exotic or non-native plants, naturalized plants, or undesirable native plants. Also includes tree stand manipulation in order to create forage openings. If you are re-treating an area or using a different technique in a previously treated area, use WE# 22: Maintain Vegetation. Remove Vegetation, WE# 53, should only be used if you have a new objective or are treating a new area.

Metrics: # of acres treated (0.1 ac)

**Work element: Upland Erosion and Sedimentation Control**

Description: May include the installation of water bars, gully plugs and culvert outlets, grassed waterways, grade stabilization structures, sediment catchment ponds/basins, and removal of drainage pipes/and other blockages to specifically prevent a sediment slump or landslide. Does not include improvements to roads (for that work, use WE# 38: Improve Road).

Metrics: # of acres treated (0.1 ac)

**Category: Habitat/Passage O&M**

**Work element: Trap and Haul**

Description: Work to capture and transport fish usually by means of trucking or barging for the purpose of assisting upstream and/or downstream migration. If trapping and hauling for predator control use WE# 166: Remove or Relocate Predaceous Animals. If installing a fish trap, use WE# 70: Install Fish Trap/Monitoring Weir.

Metrics: # of fish

**Category: Hatchery O&M**

**Work element: Acclimate Juvenile Fish**

Description: Includes work performed under contracts solely for acclimation of juvenile fish. If the full range of hatchery fish culture activities is performed under a contract, use WE# 176: Produce Hatchery Fish.

Metrics: # of fish released  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research

**Work element: Incubate Eggs**

Description: Includes work performed under contracts solely for incubation of fish eggs. If the full range of hatchery fish culture activities is performed under a contract, use WE# 176: Produce Hatchery Fish.

Metrics: # of eggs into program  
# of fry (button-up) produced  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research

**Work element: Rear Fish**

Description: Includes work performed under contracts solely for rearing of fish, e.g., contracts for net pen rearing of Kokanee. Also describes captive rearing work. If the full range of hatchery fish culture activities is performed under a contract, use WE# 176: Produce Hatchery Fish.

Metrics: # of fish into program, by life stage  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research

**Work element: Spawn Fish**

Description: Includes work performed under contracts solely for spawning of adult fish. If the full range of hatchery fish culture activities is performed under a contract, use WE# 176: Produce Hatchery Fish.

Metrics: # of fish by sex (M,F,J), origin (ad-clip/non-clip), and age  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research

**Work element: Transport Fish**

Description: Includes work performed under contracts solely for transportation of fish. If the full range of hatchery fish culture activities is performed under a contract, use WE# 176: Produce Hatchery Fish.

Metrics: # of fish transported  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research

**Work element: Trap/Collect/Hold Fish - Hatchery**

Description: Includes work performed under contracts solely for trapping, collecting, and/or holding fish (all life history stages) for inclusion in a fish culture program. If the full range of fish culture activities is performed under a contract, use WE # 176, Produce Hatchery Fish.

Metrics: # of fish by origin (ad-clip/non-clip)  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research

**Work element: Produce Hatchery Fish**

Description: This work element includes the fish culture activities associated with a "typical" hatchery O&M contract: obtaining broodstock, spawning broodstock, incubating fertilized eggs, rearing juveniles, acclimating the juveniles offsite prior to release, and releasing the juveniles into a stream or lake, either onsite or from a separate acclimation facility. Includes transportation of fish or eggs between various locations. Most hatchery O&M contractors can use this work element, "Produce Hatchery Fish," along with WE# 61: Maintain Hatchery, in their SOWs. However, there are hatchery contracts that involve only one or two of these fish culture activities, e.g., acclimation facility O&M contracts. In this case, select the work element (or possibly several) from the following list that best describes the fish culture work associated with the contract.

Metrics: # of fish by sex (M,F,J), origin (ad-clip/non-clip), and age  
Broodstock collection: # of fish collected by origin (ad-clip/non-clip) and species  
Incubation: # fertilized eggs into incubation program, by species  
Incubation: # fry (button-up) produced, by species  
Production: # fish released from program, by life stage and species  
Purpose of production program (S/H/R): S = Supplementation, H = Harvest Augmentation, R = Research  
Rearing: # fish into program (fish ponded), by life stage and species

## Category: Instream Passage Improvement

**Work element: Install Fish Screen**

Description: Work to install or replace a fish screen associated with a diversion or pump. Typical screen types include rotary drum, flat plate or traveling. The design of complex or large-scale screens is typically a separate work element. See WE# 175: Produce Design and/or Specifications.

Metrics: Does the screen meet NOAA/FSOC specs? (Y/N)  
Flow rate at the screen diversion allowed by the water right. (0.1 cfs)  
Is the screen New or a Replacement? (N/R)

Metrics: Quantity of water protected by screening, as determined by what is stated in the water right or calculated ba

**Work element: Remove/Install Diversion**

Description: Work that removes, replaces, or avoids creating a fish passage barrier associated with a stream diversion, including push-up dams. May be part of a diversion consolidation effort that reduces the number of diversion sites. Includes installation of alternative ways to divert stream flow without creating passage barriers caused by traditional diversion structures. Examples include, but are not limited to, infiltration galleries, instream diversion pumps, and lay-flat stanchions.

Metrics: # of miles of habitat accessed (0.1 mi.)

**Work element: Remove/Modify Dam**

Description: Any work that facilitates fish passage over a natural (e.g., beaver) or human-made dam by breaching or removal.

Metrics: # of miles of habitat accessed (0.1 mi.)

**Work element: Install Fish Passage Structure**

Description: Install, replace or modify structures when the intent is to improve fish passage and/or flow, typically by removing or modifying a full or partial instream barrier. Includes the following types of structures: fish ladders, bridges, culverts, jump pools, and weirs. Use WE# 70: Install Fish Trap/Monitoring Weir for weirs installed primarily to restrict fish passage for the purpose of monitoring or collecting fish (e.g., picket weirs). Design of complex or large-scale fish passage structures is often a separate work element (see WE# 175: Produce Design and/or Specifications).

Metrics: # of miles of habitat accessed (0.1 mi.)

Does the structure remove or replace a fish passage barrier? (Y/N)

If installing a ladder, does the ladder meet NOAA specifications for attraction flow, pool dimensions, jump h  
Was barrier Full or Partial? (F/P)

**Category: Land Acquisition / Conservation Easement**

**Work element: Lease Land**

Description: Includes riparian, grazing, and multiple-use leases, typically for multiple years.

Metrics: # of acres of new lease. (0.1 ac.)

# of acres of renewed lease (0.1 ac.)

# of riparian miles protected (0.01 mi.)

Start and end dates of lease (mm/dd/yyyy)

**Category: Planning and Coordination**

**Work element: Outreach and Education**

Description: Covers work to educate or communicate with the public. Includes conducting classes, seminars, workshops, training, symposia, and conferences. Does not cover work to coordinate landowners or other direct participants in on-the-ground conservation (see WE# 118: Coordination) or work to identify and select new projects (WE# 114: Identify and Select Projects).

Metrics: # of people reached in each of 3 classes (T/S/G): Teachers, Students, General public

**Category: Water Conservation**

**Work element: Install Well**

Description: Install well to enable groundwater to be used as an alternative to instream flow. Wells installed to provide hatchery or acclimation water supplies should be covered under WE# 171: Build Artificial Production Facility.

Metrics: Amount of unprotected water flow returned to the stream by conservation (acre-feet)

Amount of unprotected water flow returned to the stream by conservation (cfs)

Estimated # of miles of primary stream reach improvement

Estimated # of miles of total stream reach improvement

**Work element: Install Flow Measuring Device**

Description: Includes activities for installing and/or moving electrical flow gauges or other complex flow measuring devices, such as flow gauges using telemetry to transmit data. Devices may be fixed or portable. Actual measurement would occur under WE# 157: Collect/Generate/Validate Field and Lab Data.

Metrics: Is the measuring device portable or fixed (P/F)?

**Work element: Install Pipeline**

Description: Includes activities related to installing a pipeline as part of a fish and wildlife project. If pipeline is installed for purposes of increasing flow, other options should first be considered to accomplish purpose, such as water transactions or obtaining cost-share for this work element and subsequently transferring conserved water instream.

Metrics: Amount of unprotected water flow returned to the stream by conservation (acre-feet)  
Amount of unprotected water flow returned to the stream by conservation (cfs)  
Estimated # of miles of primary stream reach improvement  
Estimated # of miles of total stream reach improvement

**Work element: Install Sprinkler**

Description: Includes activities related to installing a sprinkler system as part of a fish and wildlife project. If sprinkler is installed for purposes of increasing flow, other options should first be considered to accomplish purpose, such as water transactions or obtaining cost-share for this work element and subsequently transferring conserved water instream.

Metrics: Amount of unprotected water flow returned to the stream by conservation (acre-feet)  
Amount of unprotected water flow returned to the stream by conservation (cfs)  
Estimated # of miles of primary stream reach improvement  
Estimated # of miles of total stream reach improvement

**Work element: Line Diversion Ditch**

Description: Includes activities related to lining a ditch as part of a fish and wildlife project. If lining of diversion ditch is considered for purposes of increasing flow, other options should first be considered to accomplish purpose, such as ditch consolidation, water transactions or obtaining cost-share and transferring conserved water instream.

Metrics: Amount of unprotected water flow returned to the stream by conservation (acre-feet)  
Amount of unprotected water flow returned to the stream by conservation (cfs)  
Estimated # of miles of primary stream reach improvement  
Estimated # of miles of secondary stream reach improvement

**Category: Water Transactions**

**Work element: Acquire Water Instream**

Description: Covers final aspects to complete implementation of water transactions through the Columbia Basin Water Transactions Program process. Work includes steps for payment of funds to water right holder and/or completion of agreement for securing protected water instream. This work element is generally linked with WE# 154: Develop and Negotiate Water Right Transaction.

Metrics: # of miles of primary stream reach improvement (0.1 mi.)  
# of miles of total stream reach improvement. (0.1 mi.) Includes primary and secondary reaches  
Amount of water secured (0.1 acre-feet/year)  
Flow of water returned to the stream as prescribed in the acquisition (0.1 cfs)  
Season of the lease in start and end month. (mm)  
Start and end dates of the returned flow. (mm/dd/yyyy)