



R & E Grant Application 09-11 Biennium

Project #:
09-038

Nehalem River and Bay Creel Survey

Project Information

R&E Project Request: \$56,576.00
Match Funding: \$17,890.00
Total Project: \$74,466.00
Start Date: 8/1/2009
End Date: 12/31/2010
Project Email: Robert.Bradley@state.or.us
Project Biennium: 09-11 Biennium
Organization: ODFW - Tillamook

Applicant Information

Name: Robert Bradley
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Tillamook, OR 97141
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Past Recommended or Completed Projects

Number	Name	Status
07-009	Nestucca Winter Steelhead Monitoring	Approved
07-070	Siskeyville Boat Slide Replacement	Completed

Project Summary

Activity Type: Monitoring
Summary: ODFW is proposing to open fisheries that would allow the retention of wild coho salmon in select coastal basins during fall 2009 and potentially in 2010, including the Nehalem Bay/River. Fisheries would be quota based. Approval of these fisheries is dependent on the ability to monitor them and maintain the harvest within the assigned quota. This creel survey would monitor that catch.
Objectives: The objective of this project is to institute a creel survey of anglers in the Nehalem Bay/River in order to monitor a proposed wild coho harvest fishery. The survey will estimate overall effort and catch of coho (and other fish) in the fishery area, and will allow for monitoring of progress toward and attainment of the catch quota.
Fishery Benefits: The recreational fishery will benefit from this project. Approval of this fishery will depend on ODFW's ability to monitor the fishery and track the catch quota. Few

opportunities for harvest of wild coho are available, and no opportunity has been available in the Nehalem basin since the early 1990's.

Watershed Benefits:	There is no direct benefit to the watershed. Wild coho returns are expected to substantially exceed population levels needed to fully seed the high quality habitat available in the basin. A controlled, well monitored fishery with a conservative quota is not expected to preclude the long term status of this population.
Current Situation:	The Nehalem basin coho fishery is currently open only to the retention of adipose fin-clipped coho salmon. No harvest of wild coho has been allowed for over 15 years. The Nehalem basin wild coho population has been one of the most stable on the north coast, with consistently higher spawner counts than other north coast basins. Expected above average returns, in combination with allowed harvest levels for 2009, have set the stage for this fishery opportunity.
Alternatives:	Other north coast basins were considered for allowing wild coho harvest, however the Nehalem basin is the most logical choice based on population conditions and other criteria. Implementation of this fishery with no monitoring is not considered an option, as the fishery would be quota based and is designed to be conservative. Until the fishery can be demonstrated to be successful at allowing harvest opportunity while meeting conservation goals, monitoring will be a requirement. Expanding fisheries to other basins in the future may be possible if this fishery is successful.
Designer:	ODFW staff.
Methods:	Surveyors will conduct effort counts one or more times daily in the fishery area, and interview anglers at numerous access points. Personnel will record the number of fish caught by species and type (hatchery/wild). Biological samples will be collected from retained fish. Catch data will be downloaded frequently to monitor overall catch rates and track the assigned fishery quota for wild coho. In the event the wild coho fishery closes early, samplers will continue to sample the bay fishery to monitor catch of chinook and other species.
Inspector:	ODFW staff
Funding Elements:	R&E funds would be used for any and all parts of the creel survey, including: 2 seasonal employees- will conduct the creel survey (9/1-11/30/09; 2010 TBD) 2 vehicles per season, including fuel and maintenance Project supplies
Partners:	Yes
Existing Plan:	North Coast Salmon and Steelhead Enhancement Fund- provide match funding. No

Affected Yes
Contacted:
Affected Yes
Supportive:

Affected Public comment on this fishery will be taken during the planning process. Initial
Comments: contacts have had mixed reviews, with general support from the angling community and some concern from conservation groups.

Project Schedule/Participants/Funding

Activity	Date	Participants
Plan for creel survey; acquire sampling gear and vehicles	8/31/2009	ODFW
Begin creel survey; track quota	9/1/2009	ODFW
End creel survey; earlier if quota met	11/30/2009	ODFW
Plan for and implement 2010 fisheries	11/30/2010	ODFW

Affected
Species: Chinook Salmon
 Coho Salmon
 Cutthroat trout

Project Permits

Name	Issued By	Secured?	Date Secured	Date Expected
Fishery Management and Evaluation Plan	NOAA	No	1/1/0001	8/31/2009

Project Monitoring

Organization	Address	Activity	Frequency
ODFW	4907 E. Third St Tillamook, OR 97141	Oversee creel survey; download catch data	As necessary (likely daily to weekly)

Project Maintenance

This project has no maintenance plans.

Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$56,576.00	\$0.00	\$0.00		\$56,576.00	No	No	
North Coast Salmon and Steelhead Enhancement Fund	\$1,500.00	\$0.00	\$0.00		\$1,500.00	No	No	
ODFW North Coast Watershed District staff	\$0.00	\$10,000.00	\$0.00		\$10,000.00	No	No	
ODFW Biometrician	\$0.00	\$6,390.00	\$0.00		\$6,390.00	No	No	
				Total Match Funding:	\$74,466.00			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
ODFW Biometrician	Personnel	2	\$3,195.00	\$0.00	\$6,390.00	\$6,390.00
ODFW North Coast District staff	Personnel	2	\$5,000.00	\$0.00	\$10,000.00	\$10,000.00
Seasonal Employees	Personnel	12	\$2,214.00	\$26,568.00	\$0.00	\$26,568.00
Seasonal employees OPE @ 60%	Personnel	12	\$1,328.00	\$15,936.00	\$0.00	\$15,936.00
Office supplies (paper, scale cards, misc)	Supplies/Materials /Services	2	\$200.00	\$400.00	\$0.00	\$400.00
Personal data assistants and software	Supplies/Materials /Services	2	\$600.00	\$0.00	\$1,200.00	\$1,200.00
Project gear (raingear, waders, uniform)	Supplies/Materials /Services	2	\$500.00	\$700.00	\$300.00	\$1,000.00
Vehicle fuel (2000 mi/mo @ 15mpg @ \$4/gal)	Travel	12	\$550.00	\$6,600.00	\$0.00	\$6,600.00
Vehicle Maintenance	Travel	12	\$150.00	\$1,800.00	\$0.00	\$1,800.00
Vehicle Rental	Travel	12	\$381.00	\$4,572.00	\$0.00	\$4,572.00
					Total Budget:	\$74,466.00

Project Map



Additional Files

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[Signature Authorization](#)



R & E Grant Application 09-11 Biennium

Project #:
09-018

Fall Chinook and Coho Fishery Monitoring Project

Project Information

R&E Project Request: \$173,726.00
Match Funding: \$62,727.84
Total Project: \$236,453.84
Start Date: 8/1/2009
End Date: 6/30/2011
Project Email: Gary.R.Vonderohe@state.or.us
Project Biennium: 09-11 Biennium
Organization: ODFW - Charleston Field Office

Applicant Information

Name: Gary Vonderohe
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Past Recommended or Completed Projects

Number	Name	Status
07-106	Coos River Fall Chinook Monitoring & Evaluation	Approved
07-115	Coquille River Steelhead Radio Telemetry Project	Approved
07-138	Trap Nets for Sampling Coos County Lakes	Approved

Project Summary

Activity Type: Monitoring
Summary: District STEP propagation projects were reviewed and approved in March, 2006. As a result, ODFW staff developed the Coos River fall Chinook Monitoring & Evaluation Plan (M&E Plan). The M&E Plan includes intensified fin marking/tagging, two years of mark/recapture and spawning ground surveys, two years of angler creel, and juvenile estuary use. Angler creel will also be used to monitor the proposed unmarked coho fishery in Coos River basin. This grant will help fund components of the overall monitoring and evaluation of Coos River fall Chinook program in the area of mark/recapture, spawning surveys, and angler creel for both fall Chinook and unmarked coho fisheries.

Objectives: 1) Evaluation of the STEP propagation projects and overall Coos River fall Chinook

- program fish contribution to the ocean and Coos Basin fall Chinook fisheries.
- 2) Evaluation of hatchery stray rates into areas of natural production and the potential impacts on wild fish.
 - 3) Evaluate if the Coos River fall Chinook fish propagation program is conducted in a manner that minimizes adverse ecological impacts to area watersheds.
 - 4) Monitor the recreational harvest of unmarked coho in the Coos River basin's proposed coho fishery.

Fishery Benefits:

This project is evaluating the success of meeting our objectives of fall Chinook harvest augmentation in the ocean and the Coos River basin. Information collected to date indicates the Coos River fall Chinook program contributes to the ocean sport and commercial fisheries and in-basin sport fishery. However, during the STEP project review it was identified that the marking rate (7-8%) was too low to adequately evaluate harvest contribution and hatchery occurrence on the spawning grounds. This information will be crucial to maintaining or adapting the fall Chinook hatchery program to provide fish for both commercial and recreational fisheries. Recreational fishermen will also benefit from the proposed unmarked coho fishery in the Coos River basin with an increased opportunity to harvest salmon.

Watershed Benefits:

The primary benefit to the watershed is to evaluate the potential impacts to native fish due to the Coos River fall Chinook hatchery program. This will be accomplished by mark/recapture, spawning surveys, and juvenile fish studies in the estuary. The coho fishery will be monitored by angler creel for escapement of unmarked coho under a quota system.

Current Situation:

The Coos River fall Chinook hatchery program is the largest on the Oregon coast at over 2 million released. In 2006, Coos River fall Chinook program releases were amended to strictly pre-smolts to take advantage of the large, productive rearing habitat in the Coos estuary. ODFW studies have indicated that the estuary is underseeded for fall Chinook, based on natural seeding alone.

Increased fin marking (30% mark rate) began in spring of 2007 and will continue through the term of the approved M&E Plan (see attached Coos River fall Chinook M&E Plan). Multiple levels of evaluating the Coos River fall Chinook program releases are designed into the M&E Plan (see attached Coos fall Chinook program release table). Mark/recapture, intensified spawning surveys, and angler creel will be conducted in the fall of 2009 and 2010 as jacks and adults from the increased fin marking efforts return to the basin. Setup of mark/recapture, spawning surveys, and angler creel will be accomplished by existing ODFW District staff, ODFW Biometrician, and ODFW Corvallis Research. The spawning surveys will be in addition to the standard and random surveys conducted annually by the Adult Salmonid Inventory Project of Corvallis Research.

Along with monitoring harvest of fall Chinook, angler creel will monitor harvest for the proposed unmarked coho fishery in the Coos River basin. The Coos River basin is one of the four basins ODFW is proposing a fishery for unmarked coho. Due to ESA listing of unmarked coastal coho, fisheries occur under criteria outlined

in a Fishery Monitoring and Evaluation Plan (FMEP), Amendment 13 of the Pacific Fisheries Management Council (PFMC), and through authorization by NOAA fisheries. Data collected in the angler creel are mandatory for in-season assessment of catch relative to harvest quotas established for the Coos River basin, annual reviews of the fishery, and consistency with Amendment 13.

- Alternatives:** Evaluation of Coos River fall Chinook program was required as a result of the STEP propagation project review. An internal review committee consisting of staff from SW Region, Fish Propagation, Fish Conservation and Recovery, Fish Research, STEP Coordinator, and Recreational Fisheries considered multiple alternatives before arriving at this M&E Plan.
- Designer:** ODFW District staff, ODFW Biometrician, and ODFW Corvallis Research
- Methods:** Conduct two years of mark/recapture, spawning surveys, and angler creel surveys along with continued increased fin marking/tagging and juvenile estuary seining will be conducted using existing ODFW protocols. Technical assistance from ODFW's spawning survey program leader, ODFW's biometrician, and other staff have been committed to this project by Fish Division. Angler creel will be used to monitor harvest of both fall Chinook and unmarked coho in the Coos River basin.
- Inspector:** ODFW staff- SW Region, Fish Propagation, Fish Conservation and Recovery, Fish Research, STEP Coordinator, and Recreational Fisheries.
- Funding Elements:**
- 2 EBAs for creel - August through November (2 seasons)
 - 2 vehicles for creel (2 seasons)
 - 6 temporary EBAs for mark/recapture and spawning surveys (2 seasons)
 - 3 vehicles for mark/recapture and spawning surveys (2 seasons)
 - Uniforms for EBAs
 - 2 Personal Digital Assistants (PDA) for data collection - creel surveys
 - Vehicle mileage
 - Per diem for EBA's - spawning ground survey training (2 seasons)
 - 3 GPS units

Partners: No

Existing Plan: No

Affected Contacted: No

Affected Supportive: No

Affected Comments: Landowners will be contacted for spawning surveys access/permission in accordance with ODFW policy and protocol. STEP volunteers and local schools are cooperative toward fin marking in 2007-2008 and will be scheduled to participate in spring of 2009 and 2010. STEP propagation projects review went through public meeting process to acquire information from the local public.

Project Schedule/Participants/Funding

Activity	Date	Participants
Start juvenile estuary seining mid-May - September 2009	5/15/2009	ODFW volunteers
Start creel survey August - November	8/1/2009	ODFW
Contact landowners for access/permission for spawning surveys	9/15/2009	ODFW
Start mark/recapture of fall Chinook on the South Fork Coos River	10/1/2009	ODFW
Start spawning surveys	10/12/2009	ODFW
End creel survey	11/30/2009	ODFW
Mark/recapture and spawning surveys end	12/30/2009	ODFW
Start juvenile estuary seining mid-May - September 2010	5/15/2010	ODFW and volunteers
Start creel survey August - November	8/1/2010	ODFW
Contact landowners for access/permission for spawning surveys	9/15/2010	ODFW
Start mark/recapture of fall Chinook on the South Fork Coos River	10/1/2010	ODFW
Start spawning surveys	10/11/2010	ODFW
Creel survey ends	11/30/2010	ODFW
Mark/recapture and spawning surveys end	12/30/2010	ODFW

Affected Species: Chinook Salmon
Coho Salmon

Project Permits

This project has no permits.

Project Monitoring

Organization	Address	Activity	Frequency
ODFW	,	Monitor harvest of fall Chinook and coho in the Coos basin fisheries	annually for 2 seasons
ODFW	,	Monitor adult fall Chinook on spawning grounds	annually

ODFW	,	Monitor juvenile fall Chinook in the estuary	annually
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Project Maintenance

This project has no maintenance plans.

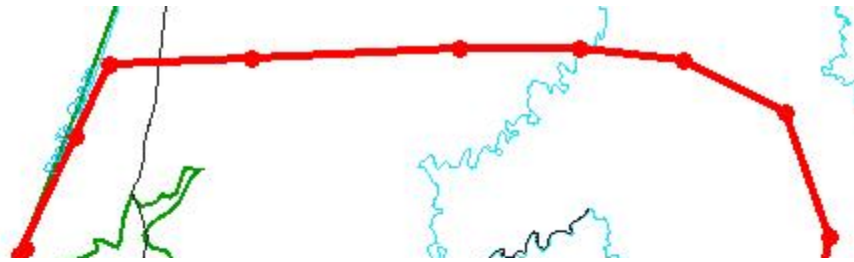
Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$173,726.00	\$0.00	\$0.00		\$173,726.00	No	No	
ODFW	\$0.00	\$24,020.00	\$0.00		\$24,020.00	Yes	No	
Volunteers	\$0.00	\$38,707.84	\$0.00	Time for collecting Chinook, estuary seining, and repairing fish trap	\$38,707.84	Yes	No	
				Total Match Funding:	\$236,453.84			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
2 vehicles for creel survey (2 seasons)	Equipment	8	\$510.00	\$4,080.00	\$0.00	\$4,080.00
3 Vehicles for spawning surveys (2 seasons)	Equipment	6	\$880.00	\$5,280.00	\$0.00	\$5,280.00
GPS units for spawning surveys	Equipment	3	\$250.00	\$750.00	\$0.00	\$750.00
Personal Digital Assistant (PDA)-data collection	Equipment	2	\$500.00	\$1,000.00	\$0.00	\$1,000.00
2 EBAs for creel survey (2 seasons)	Personnel	8	\$4,428.00	\$35,424.00	\$0.00	\$35,424.00
2 EBAs OPE @ 60% (2 seasons)	Personnel	8	\$2,656.75	\$21,254.00	\$0.00	\$21,254.00
6 temporary EBAs for spawning surveys (2 seasons)	Personnel	6	\$13,284.00	\$79,704.00	\$0.00	\$79,704.00
Biometrician time creel setup/analysis (2 seasons)	Personnel	8	\$1,065.00	\$0.00	\$8,520.00	\$8,520.00
NRS-2 time estuary seining (2 seasons)	Personnel	10	\$800.00	\$0.00	\$8,000.00	\$8,000.00
NRS-2 time supervising EBAs (2 seasons)	Personnel	10	\$750.00	\$0.00	\$7,500.00	\$7,500.00
Uniform/Raingear for creel EBAs (2 seasons)	Personnel	4	\$200.00	\$800.00	\$0.00	\$800.00
Uniform/Raingear/Waders-temporary EBAs (2 seasons)	Personnel	12	\$350.00	\$4,200.00	\$0.00	\$4,200.00
Volunteer time-repairing Dellwood fish trap	Personnel	200	\$19.51	\$0.00	\$3,902.00	\$3,902.00
Volunteers time-estuary seining (2 seasons)	Personnel	600	\$19.51	\$0.00	\$11,706.00	\$11,706.00
Volunteers-collecting returning Chinook (2 seasons)	Personnel	1184	\$19.51	\$0.00	\$23,099.84	\$23,099.84
Mileage for creel vehicles (2 seasons)	Travel	12000	\$0.55	\$6,600.00	\$0.00	\$6,600.00
Mileage for spawning survey vehicles (2 seasons)	Travel	21000	\$0.55	\$11,550.00	\$0.00	\$11,550.00
Per diem-spawning survey training (2 seasons)	Travel	12	\$257.00	\$3,084.00	\$0.00	\$3,084.00
					Total Budget:	\$236,453.84

Project Map



Additional Files

Click a link to view that particular file.

[Coos ChF M&E plan](#)

[Coos ChF program release table](#)

[Signature](#)



R & E Grant Application 09-11 Biennium

**Project #:
09-011**

Coquille River Coho Creel Survey

Project Information

R&E Project Request: \$29,422.00
Match Funding: \$9,390.00
Total Project: \$38,812.00
Start Date: 8/24/2009
End Date: 12/15/2010
Project Email: Gary.R.Vonderohe@state.or.us
Project Biennium: 09-11 Biennium
Organization: ODFW - Charleston Field Office

Applicant Information

Name: Gary Vonderohe
Address: PO Box 5003
 63538 Boat Basin Drive
 Charleston, OR 97420
Telephone: 541-888-5515
Fax: 541-888-6860
Email: Gary.R.Vonderohe@state.or.us

Past Recommended or Completed Projects

Number	Name	Status
07-106	Coos River Fall Chinook Monitoring & Evaluation	Approved
07-115	Coquille River Steelhead Radio Telemetry Project	Approved
07-138	Trap Nets for Sampling Coos County Lakes	Approved

Project Summary

Activity Type: Monitoring
Summary: Conduct a statistical creel of the lower Coquille River to monitor harvest of unmarked coho for the proposed 2009 and 2010 fishery. Due to the ESA listing of coastal coho, fisheries occur under criteria outlined in a Fishery Monitoring and Evaluation Plan (FMEP), Amendment 13 of the Pacific Fisheries Management Council (PFMC), and through authorization by NOAA fisheries. The creel will be developed by ODFW staff and the survey will be conducted from September 1 through November 30. Summarization of data will occur on a weekly basis during the fishery. Data collected are mandatory for in-season assessment of catch relative to harvest quotas established for the Coquille River, annual reviews of the fishery, and consistency with Amendment 13. The Coquille River is one of four

basins proposing an unmarked coho fishery. All four basins are following the same guidelines.

Objectives: The objective is to monitor harvest of unmarked coho salmon on the lower Coquille River by using a statistical creel survey for the next two seasons. Monitoring of harvest is a required condition of opening a fishery for unmarked coho on the Coquille River and is vital to assessing catch relative to quotas.

Fishery Benefits: Recreational fisherman will benefit from the proposed fishery for unmarked coho on the Coquille River with an increased opportunity to harvest salmon.

Watershed Benefits: The fishery on the Coquille River will be monitored for escapement of unmarked coho under a quota system.

Current Situation: Currently only fin clipped coho can be retained in the Coquille River and all unmarked coho must be released. There are no longer any hatchery coho releases into the Coquille River basin, so any fin clipped fish caught in the basin are strays.

Alternatives:

- 1) Utilize limited District staff to conduct creel surveys
- 2) Not to open a fishery for unmarked coho in the Coquille River basin

Neither alternative is acceptable. The first alternative would result in poor data collection due to staff time constraints with other projects and would likely result in reduced fishing opportunities due to inadequate monitoring of harvest. The second alternative would eliminate a fishery opportunity.

Designer: ODFW District staff and ODFW Biometrician

Methods: The goal of the statistical creel survey will be to estimate angler effort and catch of unmarked coho during September-November. The lower Coquille River will be sampled using one sampler conducting a roving creel survey. The sampler will work weekends and a couple weekdays per week. The sampler will use standard creel methodologies and anglers will be queried about time spent fishing, catch, and species sought after. Periodic pressure counts will monitor total angler pressure. The information will be combined to estimate total angler effort and total catch of unmarked coho salmon on a weekly basis. Data will be entered and analyzed within a few days after the end of the week to provide a timely assessment of catch relative to the quota.

Inspector: ODFW Distirct staff and ODFW Biometrician

Funding Elements:

- 1 EBA for creel - September through November (two seasons)
- 1 vehilce and mileage for creel survey (two seasons)
- 1 PDA for entering data during creel
- Uniform/raingear for EBA (two seasons)

Partners: No

Existing Plan: No

Affected Contacted: Yes

Affected Supportive: Yes

Affected Comments: We will be holding public meetings gathering feedback and discussing the options for the proposed unmarked coho fishery on the Coquille River. The public I have contacted at this time have been in favor of an unmarked coho fishery.

Project Schedule/Participants/Funding

Activity	Date	Participants
Start angler creel survey	9/1/2009	ODFW
End angler creel survey	11/30/2009	ODFW
Finish analysis of creel data	12/1/2009	ODFW
Start angler creel survey	9/1/2010	ODFW
End angler creel survey	11/30/2010	ODFW
Finish analysis of creel data	12/1/2010	ODFW

Affected Species: Coho Salmon

Project Permits

Name	Issued By	Secured?	Date Secured	Date Expected
FMEP	authorized by NOAA	No	1/1/0001	1/1/0001

Project Monitoring

Organization	Address	Activity	Frequency
ODFW staff	,	Monitor coho salmon fishery by a statistical creel	fall 2009 and 2010

Project Maintenance

This project has no maintenance plans.

Project Match Funding

Funding Source	Cash	In-Kind	Other	Description	Total	Secured?	Conditions?	Comments
R&E Request	\$29,422.00	\$0.00	\$0.00		\$29,422.00	No	No	
ODFW	\$0.00	\$9,390.00	\$0.00		\$9,390.00	Yes	No	
				Total Match Funding:	\$38,812.00			

Project Budget

Item	Item Type	Units	Unit Cost	R&E Funds	Match Funds	Total
Personal Digital Assistant (PDA)-data collection	Equipment	1	\$500.00	\$500.00	\$0.00	\$500.00
Vehicle rental (2 seasons)	Equipment	6	\$295.00	\$1,770.00	\$0.00	\$1,770.00
Biometrician time (2 seasons)	Personnel	6	\$1,065.00	\$0.00	\$6,390.00	\$6,390.00
EBA (2 seasons)	Personnel	6	\$2,214.00	\$13,284.00	\$0.00	\$13,284.00
EBA OPE @ 60% (2 seasons)	Personnel	6	\$1,328.00	\$7,968.00	\$0.00	\$7,968.00
NRS-2 time (2 seasons)	Personnel	6	\$500.00	\$0.00	\$3,000.00	\$3,000.00
Uniform shirts/Raingear (per year)	Personnel	2	\$200.00	\$400.00	\$0.00	\$400.00
Mileage for creel vehicle (2 seasons)	Travel	10000	\$0.55	\$5,500.00	\$0.00	\$5,500.00
					Total Budget:	\$38,812.00

Project Map



Additional Files

Click a link to view that particular file.

[Map of proposed coho fisheries](#)

[Signature](#)