

ECO LOGICAL  
RESEARCH, Inc.

Eco Logical Research, Inc.  
456 South 100 West  
Providence, UT, 84332  
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email: bennett.ecological@gmail.com

August 31, 2013

Steve Martin  
Snake River salmon recovery Board  
410B East Main Street, Dayton  
Washington  
99328

**Re: Implementation and Management of the Asotin Creek Intensively  
Monitored Watershed Project: Contract PSC No.12-013**

Dear Steve Martin

Please find attached Eco Logical Research Inc.'s invoice submission covering August 1<sup>st</sup> to August 31<sup>st</sup>, 2013 for the Asotin Creek Intensively Monitored Watershed Project. Included in this submission are an invoice and progress report. If you have any questions or requests, please contact me at the numbers listed above.

Thank you for your attention to this matter.

Sincerely

A handwritten signature in black ink, appearing to be 'SB' followed by a stylized flourish.

Stephen Bennett

## **Asotin Creek Intensively Monitored Watershed Study Monthly Progress Report – August 2013**

The following report summarizes the activities of Eco Logical Research Inc. pertaining to the contract with Walla Walla Community College to refine and implement an Intensively Monitored Watershed (IMW) project in Asotin Creek (contract reference # PSC\_12-013). As per the contract specifications, we report below on any external contracts, deadline status, problems encountered, and our accomplishments. We also report work completed within the tasks outlined in our contract for implementing the Asotin IMW.

**Report Period: August 1, 2013 to August 31, 2013**

**External Contracts: N/A**

**Deadline status:** Monthly progress report due on the 5<sup>th</sup> day of every month.

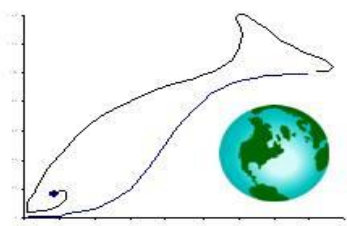
**Problems, obstacles, and constraints:** There were some minor problems with the survey equipment that slowed down habitat surveys during this period.

**Accomplishments:** During the progress report period we had the following main accomplishments:

- Monitored and managed the data for four PIT tag interrogation sites, two water level gauges, and 20 temperature gauges (almost all temperature logger sites were visited, installed new units as necessary, batteries were changed on existing units, and data downloaded),
- Continued to enter data into Access and GIS databases and perform QA/QC including all fish tagging, mobile PIT tag survey, discharge, temperature, CHaMP habitat data, and LiDAR,
- Coordinated restoration planning for the second phase of restoration,
- Completed all 9 rapid habitat sites and continued habitat monitoring at 18 permanent CHaMP habitat sites, and
- Ongoing data summary of 2012/2013 fish and habitat data and preparation of Year 6 Report

### **Progress on Tasks for implementing the Intensively Monitored Watershed (IMW)**

<b>Task</b>	<b>Description</b>
Management and Coordination	Ongoing
Stakeholder Meetings	Ongoing
Fish tagging and monitoring	Completed summer fish tagging
Stream Habitat Monitoring	Completed 8 CHaMP sites and all rapid sites
Restoration Design	Ongoing updates based on 2012 lessons learned
Data Management QA/QC	Ongoing
Data Analysis	Ongoing
Annual Report	Ongoing draft report summarizing Year 1-6

**INVOICE****ECO LOGICAL RESEARCH, Inc.**

456 South 100 West  
 Providence, Utah 84332  
 tel. 435 757 5668

**Invoice #:** Asotin06/PSC-12-013  
**Invoice Period:** Aug 1- Aug 31, 2013  
**Invoice Date:** September 3, 2013  
**Due Date:** September/31/2013  
**Project:** Asotin IMW

**Bill to:**

Steve Martin, Director  
 Snake River Salmon Recovery Board  
 Walla Walla Community College  
 410B East Main Street  
 Dayton, Washington 99328

**Contract Reference # PSC-12-013**

Invoice Category / Description	Hours / Quantity	Rate*	Amount
<b>Personnel</b>			
Project Manager (N. Bouwes)	-	90.54	-
Project Coordinator (S. Bennett)	40.0	74.40	2,976.00
Travel (Bennett & Bouwes)	-	37.20	-
Field Supervisor (Hill)	12.0	37.24	446.88
Sr Technician (Mackey)	174.0	20.39	3,547.86
Three Field Technicians	120.0	44.82	5,378.40
Research Assistants (USU)	80.0	15.80	1,264.00
<i>sub-total</i>			13,613.14
<i>20% OVERHEAD</i>			2,722.63
		<b><i>subtotal</i></b>	<b>16,335.77</b>
<b>Accommodation, Travel &amp; Transportation</b>			
4x4 truck rental and mileage (IMW vehicle)	1.0	1,021.00	1,021.00
4 ATVs rental from WDFW (annual)	-	584.69	-
Field Per diem food	48.0	10.00	480.00
Food (per diem)	-	39.0	-
Lodging (per diem)	-	47.1	-
Airfare SLC to Lewiston	-	-	-
<i>sub-total</i>			1,501.00
<i>20% OVERHEAD</i>			300.20
		<b><i>subtotal</i></b>	<b>1,801.20</b>
<b>Expenses (Equipment, Services, Utilities)</b>			
Array upload and utilities (monthly)	1.0	284.00	284.00
Field and Office Supplies Rate (monthly)	1.0	74.17	74.17
Survey Equipment Monthly Rate (total station, seining, etc)	1.0	794.39	794.39
<i>sub-total</i>	-	-	1,152.56
<i>10% OVERHEAD</i>			115.26
		<b><i>subtotal</i></b>	<b>1,267.82</b>
<b>Sub-Contractors</b>			
NA	-	-	-
<i>10% OVERHEAD</i>			-
		<b><i>subtotal</i></b>	<b>-</b>
<b>TOTAL</b>		<b>\$</b>	<b>19,404.79</b>