

Columbia Habitat Monitoring Protocol (CHaMP) 2012 Pilot Project Post-Season Workshop Agenda

Dates: Tuesday, November 27 and Wednesday, November 28, 2012

Location:

Red Lion Hotel Portland - Convention Center
1021 NE Grand Avenue, Portland, OR, 97232

Times: 8:00am to 5:00pm on Tuesday, and 8:00am to 4:00pm on Wednesday.

Workshop Purpose: To review implementation of the Columbia Habitat Monitoring Program 2012 pilot year and to gather and discuss information that will be used by program staff and managers who will be making decisions about the future implementation of the project.

Overview: The CHaMP 2012 post-season workshop will target two separate audiences:

- **Technical** - The first full day (Tue) and first half of the second day (Wed) will involve open discussion of CHaMP project implementation among 2012 participants.
- **Policy and Decision Level** - The afternoon of the second day (Wed) will be a synthesis of Lessons Learned from the 2012 pilot year provided by CHaMP staff in an open discussion with regional program managers and policy decision makers.

	Date and Time	Topic Overview	Area of Interest
Day 1	Tuesday, November 27 8:00 am – 5:00 pm	Data Review	Technical
Day 2	Wednesday, November 28 8:00 am – 12:00 pm	Program Implementation Review, Lessons Learned	Technical
	Wednesday, November 28 1:00 pm – 4:00 pm	Synthesis and Lessons Learned	Policy and Decision Level

Note to Policy Decision Makers and Managers: The workshop has reserved the afternoon of Day 2 for content and discussions specific to regional policy and decision-making. We encourage you to participate in this part of Day 2, although you and your staff are most welcome to attend the full two days.

Participation: The meeting is open to all participants although the core group on Day 1 and the first half of Day 2 will be primarily CHaMP 2012 participants and collaborators, while the afternoon of Day 2 will be geared towards regional program managers and policy decision makers. Overall, we anticipate participation from 2012 CHaMP participants; BPA, ISRP, NPCC, and NOAA staff; crews interested in participating in the CHaMP project in the future, and other scientists and salmonid habitat researchers.

Fees: There are no fees involved. No meals will be provided.

Lodging: A block of rooms has been reserved and are being offered at less than the government per diem rate. To make lodging reservations call 1-800-RED-LION (1-800-733-5466) and mention "CHaMP" during your booking to obtain one of the reduced rate rooms.

Day 1: Data Review and Change Detection
A Review of Data Collected by the CHaMP Pilot in 2012
Tuesday, November 27
8:00 am – 5:00 pm

In 2012, salmonid habitat data were collected at 444 sampling sites within habitat supporting 10 major population groups of ESA-listed salmonids using the CHaMP habitat protocol, which was implemented and tested for the first time in 2011. The 2012 field season marked the first year of annual site revisits and improvements to the CHaMP protocol. Today's presentations will explore a provisional data set generated from the 2012 field season and habitat change detection between this year and the 2011 pilot year. This intention of this session is to solicit input that will assist the CHaMP project in development of an analytical framework to support answering regional key management questions.

7:30 a.m.	Coffee Service	
8:00	Workshop Welcome <ul style="list-style-type: none"> • Introductory remarks/ground rules 	Ward/ Mazaika
8:15	Introduction to CHaMP <ul style="list-style-type: none"> • Analytical Framework and Programmatic Objectives <ul style="list-style-type: none"> ○ What is CHaMP ○ Where did we sample (survey design) ○ What did we sample (response design) ○ Why (motivation for survey and response design) • Summary of what we did differently in 2012 <ul style="list-style-type: none"> ○ Protocol changes ○ RBT changes ○ Data capture changes • Focus of the 2012 workshop 	Ward
8:45	Report on Data Collected in 2011 and 2012 <ul style="list-style-type: none"> • Status of QC/QA 	Volk
9:00	Variance Decomposition: Combining 2011 and 2012 <ul style="list-style-type: none"> • Site to site variation • Year effect (between 2011 and 2012) • Interaction • Noise (residual) 	Larsen
9:30	Estimating status for CHaMP's 'status and trend' program <ul style="list-style-type: none"> • What are design weights and when is weight adjustment needed? • Discussion of nonsampling error sources and impacts • Estimating population extent and summary statistics for key metrics 	Starcevich
10:00	BREAK	

10:15	2011-2012 Habitat Metric Status <ul style="list-style-type: none"> • Display of 2011-2012 CHaMP data at different scales. <ul style="list-style-type: none"> ○ Evaluate approaches at multiple scales • River styles concept presentation <ul style="list-style-type: none"> ○ Exploration of a series of maps depicting status, potential condition (future/intrinsic), and capacity to change. • Web-based indicator/status automation and display scoping 	Fortney N. Bouwes, Wheaton Rentmeester
11:15	Reductions in Sampling Intensity <ul style="list-style-type: none"> • Investigate options to reduce number of sites, site length, and intensity of sampling within sites. <ul style="list-style-type: none"> ○ Middle Fork John Day example 	Nahorniak
12:00	LUNCH	
1:15	Refinements to Habitat Unit & Auxiliary Metric Acquisition and Analyses <ul style="list-style-type: none"> • Exploring divorcing auxiliary data from habitat units & going spatially explicit • Topographically-driven derivation of habitat units • Next generation of habitat metrics 	Wheaton
1:45	Water Temperature Data <ul style="list-style-type: none"> • 2012 data review and metric identification 	McNyset
2:15	Solar Input Data <ul style="list-style-type: none"> • Presentation of solar input analysis framework and metric identification 	McNyset, McCullough
2:45	BREAK	
3:00	Fish Habitat Modeling <ul style="list-style-type: none"> • Exploration of fish-habitat relationships <ul style="list-style-type: none"> ○ Correlative fish/habit models ○ Hierarchical models ○ Community models 	See
3:35	Lifecycle Modeling	J. White
4:15	Net Rate Energy Intake (NREI) Modeling	N. Bouwes, Hill
4:30	Survival, Growth and Abundance Changes to Due to Habitat Restoration <ul style="list-style-type: none"> • Bridge Creek IMW 	N. Bouwes
5:00	ADJOURN	

Day 2: A Review of CHaMP Pilot 2012 Implementation and
 Lessons-Learned: A Synthesis of the CHaMP Pilot 2012 and
 Discussion of Key Management Questions
 Wednesday, November 28
 8:00 am – 4:00 pm

7:30 a.m.	Coffee Service	
8:00	Workshop Welcome <ul style="list-style-type: none"> • Introductory remarks; ground rules 	Mazaika
8:15	Project Implementation: What Worked, What Didn't <ul style="list-style-type: none"> • Preseason planning, training, equipment distribution and management: changes from 2011, field performance • Logistics and implementation of standard surveys and repeat visits <ul style="list-style-type: none"> ○ Basic GRTS sample design, outreach, local needs; Master sample, design documentation, site selection • Topographic processing: tools, materials, assistance 	Panel Discussion (B. Bouwes, Hill, Polino, Weber, Larsen, Volk, Whitehead, Rentmeester, CHaMP Crews)
10:00	BREAK	
10:15	Prioritization of Potential Updates to Tools & Apps	Rentmeester
10:30	Report on Beta-testing of Potential New Tools	B. Bouwes
10:45	Preliminary Insights from Geomorphic Change Data of 2011 to 2012 Surveys	Wheaton
11:15	Scoping Other Potential Protocol Changes for 2013 <ul style="list-style-type: none"> • What to keep, what to change? 	Panel Discussion (CHaMP staff and crew managers)
12:00	LUNCH	

1:15	Policy Discussion Welcome <ul style="list-style-type: none">• Introductory remarks; ground rules• RM&E policy synthesis	Mazaika Sweet
1:30	Key Management Questions <ul style="list-style-type: none">• Summary of CHaMP’s approach to answering policy and management questions	Jordan
2:00	CHaMP Results From 2012	Ward
2:45	BREAK	
3:00	Policy Roundtable <ul style="list-style-type: none">• CHaMP deliverables will feed several management processes<ul style="list-style-type: none">○ Comprehensive evaluation○ 2013 BiOp check-in○ 2013 BiOp remand○ Council MERS plan○ 2015 Expert Panel process	Policy Decision Makers and Managers from NPCC, BPA, NOAA and others
4:00	Wrap Up/Adjourn <ul style="list-style-type: none">• Next steps• Final report schedule	Ward