KLAMATH RIVER FISH HEALTH WORKSHOP 2014
River Lodge Conference Center, Fortuna, California
Tuesday, March 4th

AGENDA

8:30am Welcome

8:35am – 9:55am *Ceratomyxa shasta* Monitoring Studies –Salmonids and River Water

8:35am Klamath River Fish Health Monitoring Program 2013: Infection prevalence in juvenile Chinook salmon from the Klamath River basin.
Anne Bolick, Kimberly True, and Scott Foott (USFWS)

8:55am Sentinel fish studies for *Ceratomyxa shasta* infection in 2013
Rich Holt, Ryan Craig, Jerri Bartholomew (OSU)

9:15am Abundance of *Ceratomyxa shasta* in river water samples in 2013
Gerri Buckles on behalf of OSU, Karuk Tribe, Yurok Tribe

9:35am Long-term surveillance of a salmonid parasite by river water sampling and qPCR
Sascha Hallett, Gerri Buckles, Charlene Hurst, Adam Ray, Jerri Bartholomew (OSU)

9:55am – 10:15am BREAK

10:15am - *Ceratomyxa shasta* Monitoring Studies cont. - Polychaetes

10:15am The *Ceratomyxa shasta* Hyper-Infectious Zone of the Klamath River: Year-round abundance and infection prevalence of the polychaete host (*Manayunkia speciosa*)
Michael Belchik, Barry McCovey Jr, Luke Walker, Joshua Strange (Yurok Tribe)

10:35am Monitoring invertebrate hosts for *Ceratomyxa shasta*
Julie Alexander, Ryan Craig, Gerri Buckles, Jerri Bartholomew (OSU)

10:55am Mesocosms: Laboratory cultures of *Manayunkia speciosa* in a closed loop system providing a year round source of *Ceratomxya shasta* myxospores
Ryan Craig, Julie Alexander, Stephen Atkinson, Gerri Buckles, Jerri Bartholomew (OSU)

11:15am – 11:55pm Modeling Studies

11:15am 2 models, 1 life cycle: different approaches to understanding *C. shasta* disease dynamics
Adam Ray, Jerri Bartholomew (OSU)

11:35am Simulating the spatial distribution of mortality of juvenile Chinook salmon infected with *Ceratomyxa shasta* in the Klamath River
Russell Perry (USGS WFRC), Nicholas Som (USFWS AFWO), Adam Ray (OSU)

12:00 - 1:00pm LUNCH

1:00pm – 1:45pm Modeling Studies cont.

1:00pm A very speciosal collaboration: Using 2D hydrodynamic models and hypothesis-driven sampling designs to predict *Manayunkia speciosa* distribution
Katrina Wright (USFWS AFWO)**, Nicholas Som** (USFWS AFWO)**, Julie Alexander** (OSU), Nicholas Hetrick (USFWS AFWO), Jerri Bartholomew (OSU)

1:45pm – 2:30pm Discussion of critical research questions