

Battle Creek Watershed: October '04 Update

U.S. Fish & Wildlife Service Activities

Coleman National Fish Hatchery Complex Anderson, CA (530) 365-8622		Scott Hamelberg Project Leader
Spawning/Passage: Winter-run Fall Late fall-run Steelhead Trout	<ul style="list-style-type: none"> ➤ By July 26, 37 natural origin females were spawned; by August 13, 45 captive origin females were spawned. ➤ Began October 4, 2004. ➤ Expected to begin late December 2004. ➤ Expected to begin mid December 2004. Excess adult hatchery-origin steelhead will be transported to Keswick Reservoir (9/29/04 press release). 	
Production: Winter Chinook Fall Chinook Late-fall Chinook Steelhead	<ul style="list-style-type: none"> ➤ Broodyear 2004: A total of 245,000 eggs are on station. ➤ Broodyear 2003: 12,900,000 fingerlings were released in April. ➤ Broodyear 2004: 900,000 fingerlings are in raceways. ➤ Broodyear 2004: 600,000 fingerlings are in raceways. 	
Screens for Hatchery Water Intakes	Funding is being sought. The need to screen the intakes is supported by the four agencies (DFG, USBR, USFWS & NOAA).	Sandy Osborn
Barrier Weir & Upstream Ladder Improvements	The USFWS, with assistance from Reclamation, will submit a proposal to CALFED in attempt to secure 3.5 million in supplemental funding to cover an increase in construction costs. CALFED will conduct a Technical Review of the proposed project prior to making a funding decision. The USFWS intends to submit the proposal in early November and CALFED anticipates a funding decision in April 2005.	
CA/NV Fish Health Center (530) 365-4271		Scott Foott, Ph.D. Project Leader
Disease Studies	Preliminary data indicates that Chinook sac-fry are markedly less sensitive to Infectious Hematopoetic Necrosis Virus (IHNV) infection, than 50 mm fingerlings. This is true for both standard bath and flow through IHNV challenges.	

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Red Bluff Fish & Wildlife Office (530) 527-3043		Jim Smith Project Leader
Battle Creek Monitoring	<ul style="list-style-type: none"> ➤ Nine snorkel surveys for spring and winter Chinook have been completed with a total of 43 live Chinook observed. Eighteen redds and three carcasses have been observed through October 1st. ➤ Sampling with a rotary screw trap at the upper site continues for juvenile salmonids seven days a week. No winter run juveniles were collected since the season began on July 1. ➤ A new rotary screw trap will be installed on Battle Creek above the confluence with the Coleman Powerhouse Tailrace (approx stream mile 8) in late October/November. We will compare juvenile salmonid production at this new site with the current upper trap (approx stream mile 6) for one to two years 	Matt Brown
Battle Creek Watershed Conservancy Federal Grant	<p>On Aug 23, Mike Ward sent a .pdf file of the Watershed Assessment to the Working Group for review before the meeting on August 25. The KRIS Battle Creek (watershed assessment information) will be completed by the end of October and will be available for online use sometime in November 2004.</p>	Sharon Paquin-Gilmore
Monitoring the abundance of fall Chinook	<p>The USFWS and CDFG cooperated on a new strategy to estimate escapement of fall Chinook salmon in lower Battle Creek using video-monitoring. A report to estimate escapement and evaluate this methodology has been completed by Doug Killam, DFG.</p>	Kevin Niemela
Bio-sampling, coded-wire tagging & tag recovery	<p>Coded-wire tag extractions have been completed for BY 2003 fall Chinook and BY 2004 late-fall Chinook salmon and steelhead. The decoding of tags is currently underway.</p>	Kevin Niemela