

Battle Creek Watershed: January '05 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"> ➤ Broodyear 2005: Four adult fish collected to date. ➤ Spawning concluded on November 23, 2004. ➤ Spawning began in late December 2004. ➤ Spawning began in mid December 2004. ~ 180 Excess adult hatchery-origin steelhead were transported to Keswick Reservoir on Dec 22, 2004. 176 natural origin steelhead were passed upstream of the Barrier Weir through 1/5/2005. 	
Production: Winter Chinook Fall Chinook Late-fall Chinook Steelhead	<ul style="list-style-type: none"> ➤ Broodyear 2004: Coded wire tagging is complete. 160,000 juveniles are scheduled to be released on February 3. ➤ Broodyear 2004: ~ 12,000,000 eggs and fry on station. ➤ Broodyear 2004: ~ 900,000 smolts released in Jan 2005. ➤ Broodyear 2004: ~ 600,000 smolts released in Jan 2005. 	
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	<p>In December 2004, the USFWS, with assistance from Reclamation, submitted a \$6.5 million proposal to CALFED for 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. CALFED anticipates a funding decision in April 2005.</p>	
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 Hematopoietic 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"> ➤ Surveys for steelhead, lamprey and late fall Chinook are being conducted using both kayaks and snorkeling. 32 steelhead redds have been observed through 1/19/05. The surveys are scheduled twice a month depending upon weather conditions and flow. ➤ Sampling with a rotary screw trap at the upper and lower site continues for juvenile salmonids seven days a week. The lower RST was re-deployed on October 15, 2004. ➤ Plans to install a new rotary screw trap on Battle Creek above the confluence with the Coleman Powerhouse Tailrace have been postponed. The purpose was to compare juvenile salmonid production at this new site with the current upper trap for one to two years before abandoning the current site. 	Matt Brown
Battle Creek Watershed Conservancy Federal Grant	<p>Jan 2005: Final review of KRIS Battle Creek is in process. It is available on the internet: http://www.krisweb.com/krisbattle/krisdb/html/krisweb/index.htm Oct 2004: 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

Revised updates (**shown in bold**) are distributed at each Battle Creek Work Group meeting. Please refer to the complete reports prior to using this preliminary information in literature citations.