

# Battle Creek Watershed: U.S. Fish & Wildlife Service Activities July 2004

<b>Coleman National Fish Hatchery Complex</b> <b>Anderson, CA (530) 365-8622</b>		<b>Scott Hamelberg</b> <b>Project Leader</b>
Spawning/Passage: Winter-run  Late fall-run  Steelhead Trout	<p>&gt;<b>Broodyear 2004 broodstock collection began on Jan 7<sup>th</sup> and roughly 80 adults have been collected. Twenty - eight females have been spawned.</b></p> <p>&gt;Spawning began December 30th, 2003. Forty-eight late-fall Chinook from the Keswick trap were incorporated into the broodstock. Spawning has finished for the season.</p> <p>&gt;Spawning began December 15th, 2003. Forty natural origin steelhead were infused into the broodstock. Spawning has finished for the season. <b>Since September, 302 hatchery origin and 182 natural origin steelhead have been passed upstream of the Coleman NFH weir.</b></p>	
Production: Winter Chinook Fall Chinook Late-fall Chinook Steelhead	<p><b>Broodyear 2004: ~150,000 eggs are on station</b></p> <p>Broodyear 2003: 12,900,000 fingerlings were released in April</p> <p><b>Broodyear 2004: 929,000 fingerlings are in raceways</b></p> <p><b>Broodyear 2004: 600,000 fingerlings are in raceways</b></p>	
Screens for Hatchery Water Intakes	Funding is being sought to bring CNFH screens into compliance with state and federal standards. <b>The need to Screen the intakes will be raised again at the next 4-Agency meeting in mid-July.</b>	<b>Sandy Osborn</b>
Barrier Weir & Upstream Ladder Improvements	<p><b>In June, the USFWS submitted an amendment request to CALFED to: 1) extend the existing agreement from October 2005 to January 2008, and 2) to provide money for an increase in construction costs. Although the project is still on schedule, the construction is expected to last 3 construction seasons rather than 1 season, due to complexities and constraints of in-water construction. The \$3.5 million construction cost increase occurred because the original estimates were outdated and “new” passage criteria were applied. The Next Technical Team meeting is July 19, 2004.</b></p>	
<b>CA/NV Fish Health Center</b> <b>(530) 365-4271</b>		<b>Scott Foott, Ph.D.</b> <b>Project Leader</b>
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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<b>Red Bluff Fish &amp; Wildlife Office (530) 527-3043</b>		<b>Jim Smith Project Leader</b>									
Battle Creek Monitoring	<p>&gt;&gt; <b>Adult salmonid trapping at the barrier weir ended June 1. Twenty-four hour underwater video monitoring began June 1 and continues. The following table details salmonids passed upstream of the barrier weir.</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th></th> <th>Hatchery Origin</th> <th>Natural Origin</th> </tr> </thead> <tbody> <tr> <td><b>Chinook</b></td> <td><b>0</b></td> <td><b>63</b></td> </tr> <tr> <td><b>Steelhead</b></td> <td><b>7</b></td> <td><b>62</b></td> </tr> </tbody> </table> <p>&gt;&gt; <b>Three snorkel surveys for spring and winter Chinook have been completed to date with a high of 19 live Chinook observed. No redds or carcasses have been observed. Surveys are scheduled every two weeks.</b></p> <p>&gt;&gt; <b>A fish rescue in the Coleman Powerhouse tailrace was conducted by RBFWO, DFG, CNFH, and PG&amp;E during a maintenance outage. One adult and 49 juvenile Chinook were recovered and returned to the creek.</b></p> <p>&gt;&gt; <b>Sampling with rotary screw traps at the upper and lower sites continues for juvenile salmonids seven days a week</b></p>		Hatchery Origin	Natural Origin	<b>Chinook</b>	<b>0</b>	<b>63</b>	<b>Steelhead</b>	<b>7</b>	<b>62</b>	Matt Brown
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Battle Creek Watershed Conservancy Federal Grant	<p><b>The BCWC Watershed Assessment is completed. Mike Ward will be sending it as a pdf file to the Working Group for review before the next meeting (in August) at which time the report will be discussed.</b></p>	Sharon Paquin-Gilmore									
Monitoring the abundance of fall Chinook in lower B.C.	<p>&gt;<b>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 and is currently under review.</b></p>	Kevin Niemela									
Bio-sampling, Coded-wire tagging, and Tag recovery	<p>&gt;<b>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.</b></p>	Kevin Niemela									

Please refer to the complete reports prior to using this preliminary information in literature citations. A revised version of the status of these activities is distributed at each Battle Creek Work Group meeting. Updates are shown in bold. S:\AFRP\Greenheet\7\_04GrnSht.doc