



Kootenay Lake Information Session

Nelson, BC

January 12, 2007

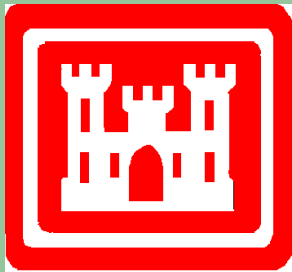
*Cindy Henriksen
US Army Corps of Engineers*



Libby Dam Operations

- *Overview*
- *Power Operations*
- *Flood Control Operations – VARQ*
- *Libby Coordination Agreement (LCA)*
- *Emerging Issues*

Columbia River Basin

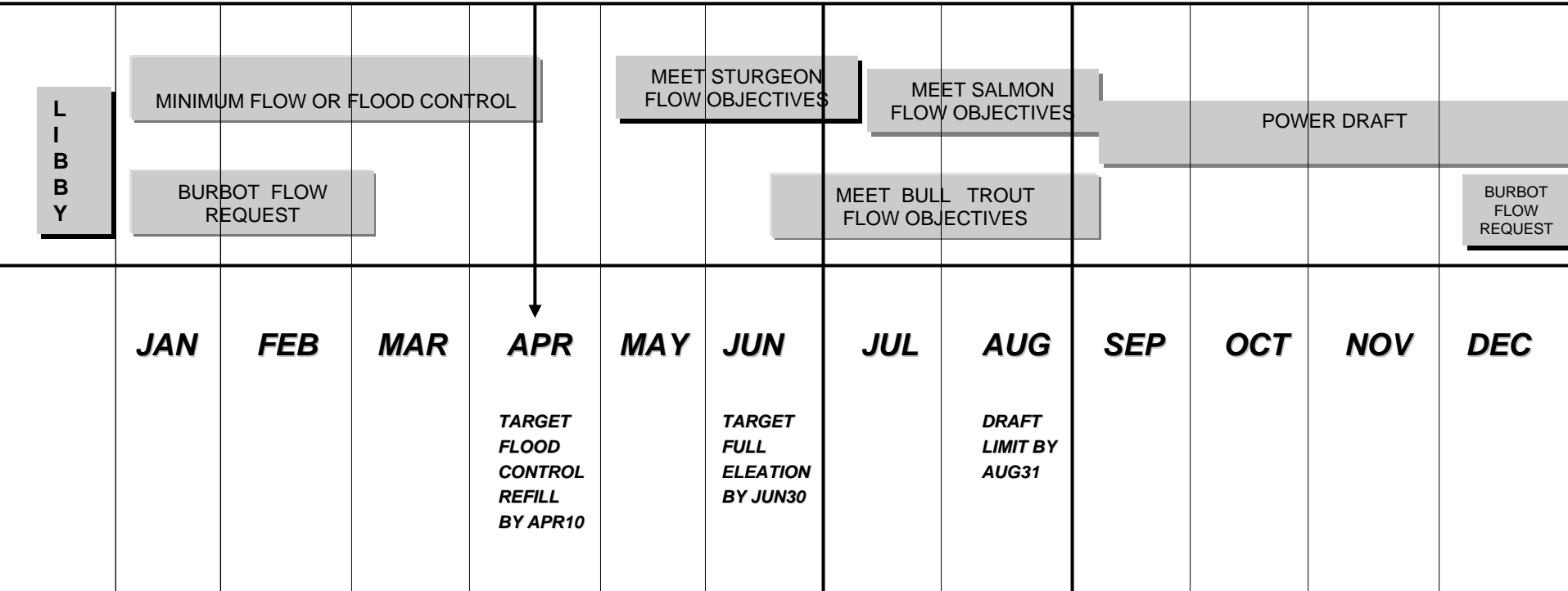




Libby Operations Overview

- *The Corps of Engineers is responsible for water control operation at Libby Dam*
- *The Corps is responsible for system flood damage reduction*
- *Bonneville Power Administration markets the power produced*
- *Water control operations at Libby Dam are coordinated with Canada*

OPERATION TIMELINE





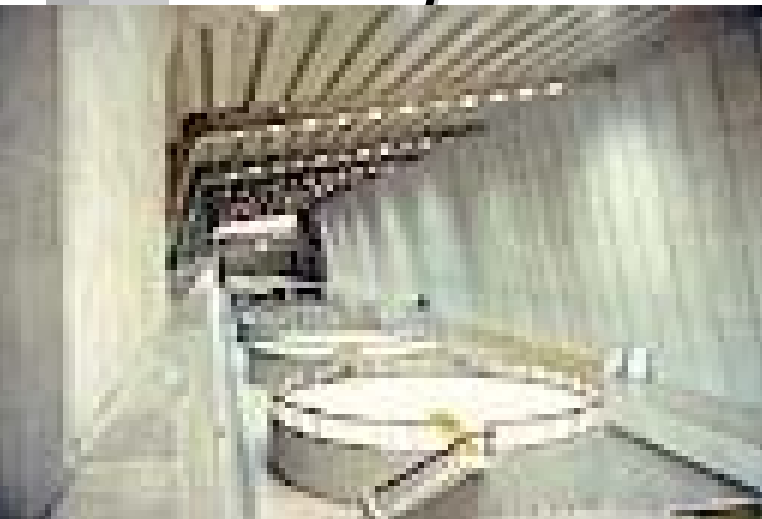
Libby Operations Overview

- *Power draft to meet flood control objective September through December*
- *Flood control draft January through April*
- *Refill May through June*
 - *Provide outflow for listed white sturgeon in the Kootenai River*
 - *Meet minimum outflow for listed bull trout in the Kootenai River*
- *Provide flow augmentation for listed salmon species in July and August*



Libby Power Operations

- *The most critical season is October through March*
- *Previous Biological Opinions had recommended reduced winter power operations*





Libby Flood Control Operations - VARQ

- *Short-hand for Variable Flow (VAR-Q)*
- *Less outflow from Libby Dam in January through March, and more outflow in April through June*
 - *VARQ will be implemented in 2007 by adhering to the procedures*
 - *A long term decision will be made at a later date*



Libby Coordination Agreement (LCA)

- *The Corps began limited operations for fish at Libby Dam in 1993*
- *Operation for sturgeon and salmon changed the power generation at the Kootenay plants downstream of Kootenay Lake*
- *The US and Canada were unable to agree on how to prepare operating plans for Libby under the Treaty*
- *By February 2001 the US and Canada signed the LCA, which outlined a framework for coordination between the two countries and the way ahead for development of operating plans*



Emerging Issues

- *Flood Damage Reduction operation at Libby Dam beyond 2007*





Web Pages of Interest

Columbia Basin Water Control Web Page:

<http://www.nwd-wc.usace.army.mil/>

***Libby Dam 2007 Operating Year,
Determination and Finding:***

http://www.nws.usace.army.mil/Template/Display/More_Hot_Topics.cfm?recno=62