

## Summary of 21 March 2007 ESP Libby Operations

27-Mar-07

### Assumptions:

- \* Project will operate to meet end of March Flood Control based on March Final Volume forecast (2395.5 feet). After that time, project will operate to the 15 April Flood Control target based on the individual years April - August Volume.
- \* The start of VARQ for each year is based on the unregulated flow at TDA for that year. Start date of VARQ varies for each year.
- \* Sturgeon pulse begins on 15 May for all years. Volume of pulse is based on each years April - August volume. Sturgeon pulse runs 14 days at full powerhouse (26 kcfs) and the remaining volume, if any, is exhausted at 20 kcfs (unless VARQ flows are higher).
- \* VARQ flows continue through the end of June as a minimum.
- \* No double peaking after the sturgeon pulse was allowed unless needed to avoid filling and spilling. Starting after the Sturgeon pulse a flat flow was targeted to reach elevation 2439.0 feet by the end of August.

### Results for all 45 Years:

	Average Flow	Average Elevation	Average Start VARQ	Average Max Elevation	Mean Volume (kaf)	Median Volume (kaf)
May 1 - 15	13.3					
May 16 - 31	25.4	2397.5				
Jun 1 - 15	20.6					
Jun 16 - 30	19.8	2441.0				
Jul 1 - 15	20.1					
Jul 16 - 31	19.2	2449.4				
Aug 1 - 31	19.2	2439.0				
Sep 1 - 30	6.1	2441.1				
Entire Runoff			19-Apr	2451.0	7327	7215



