

Summary of 21 May 2007 ESP Libby Operations

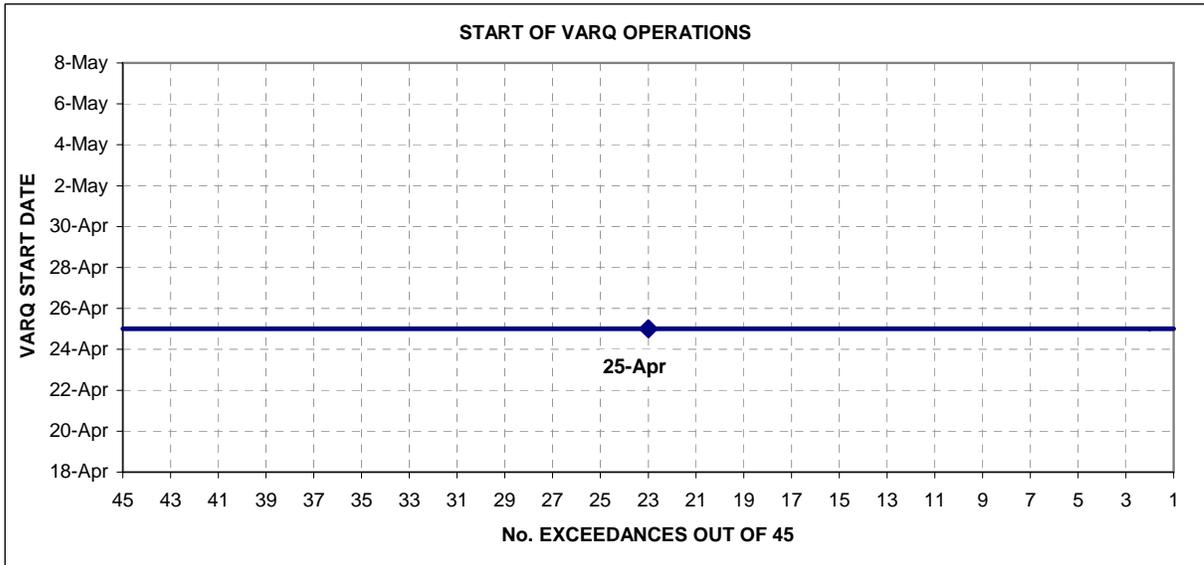
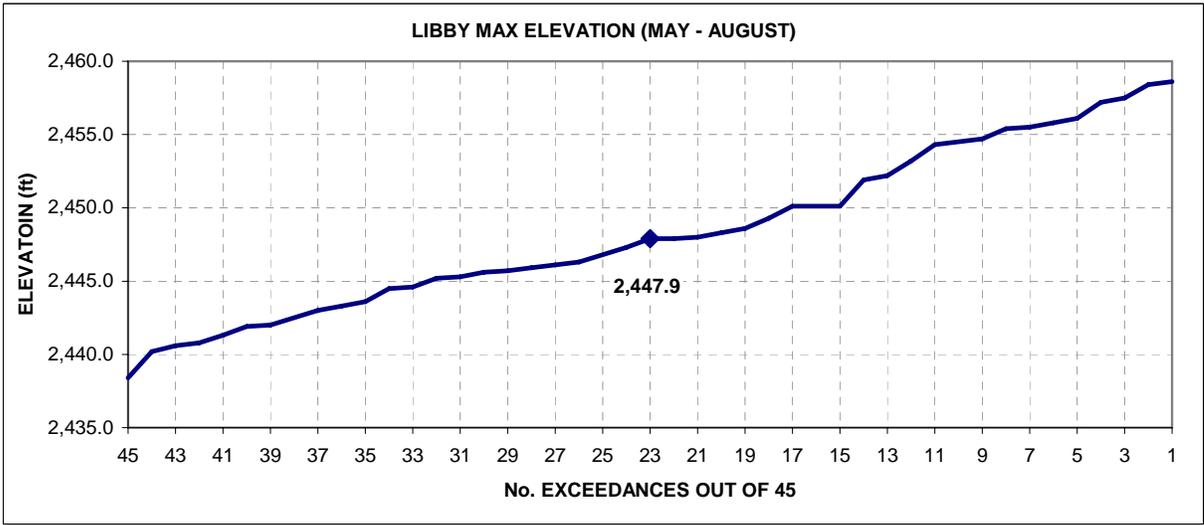
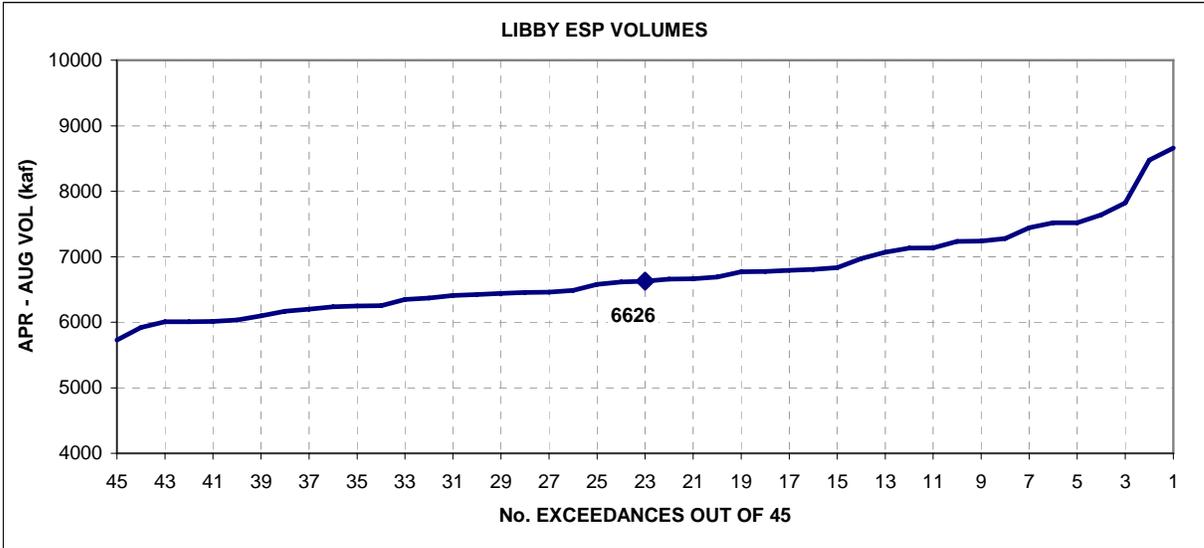
22-May-07

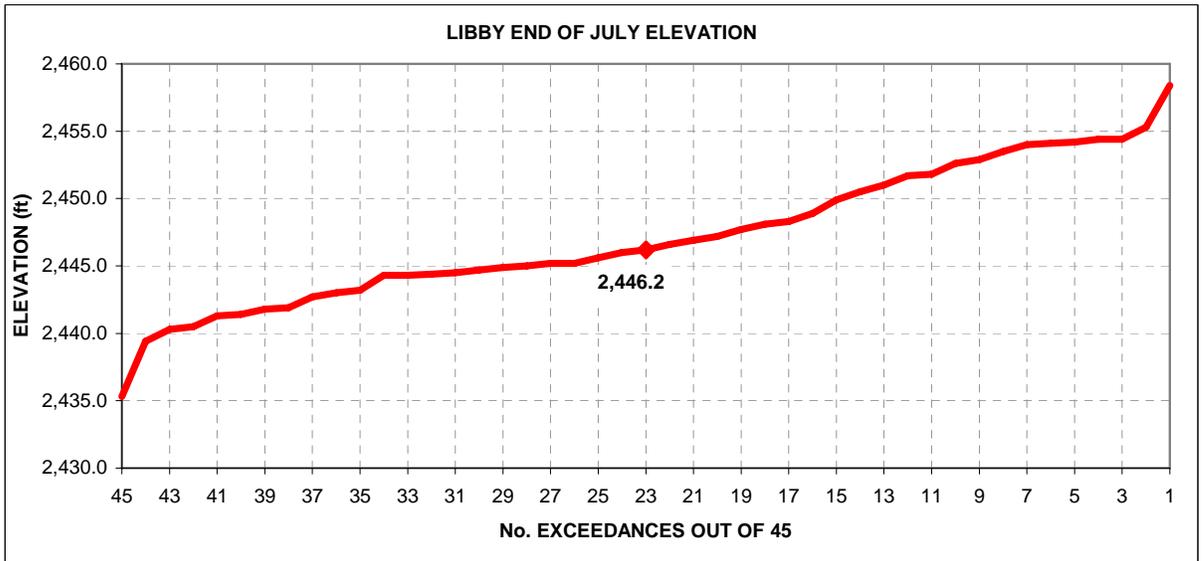
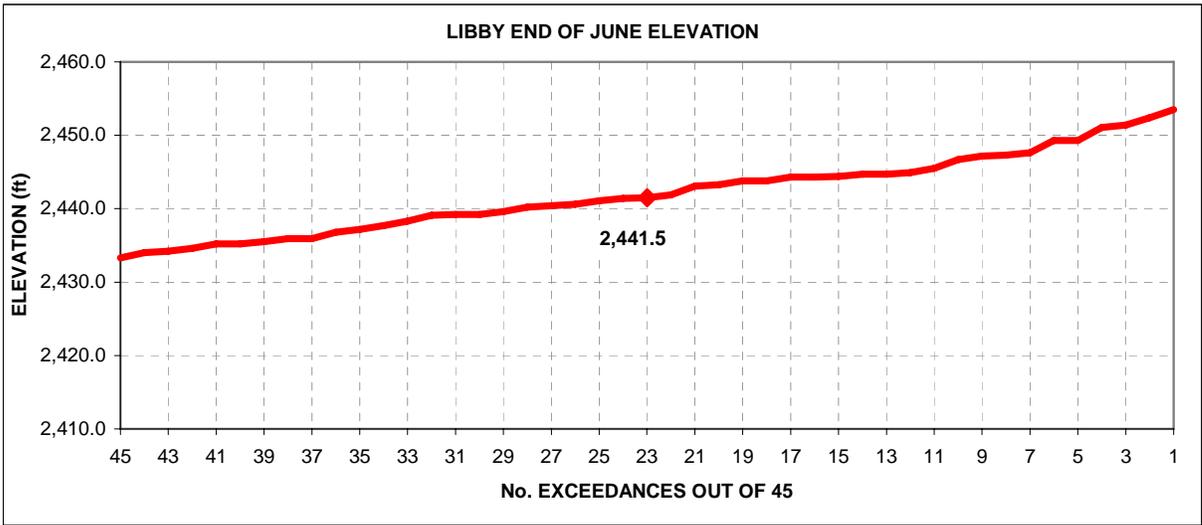
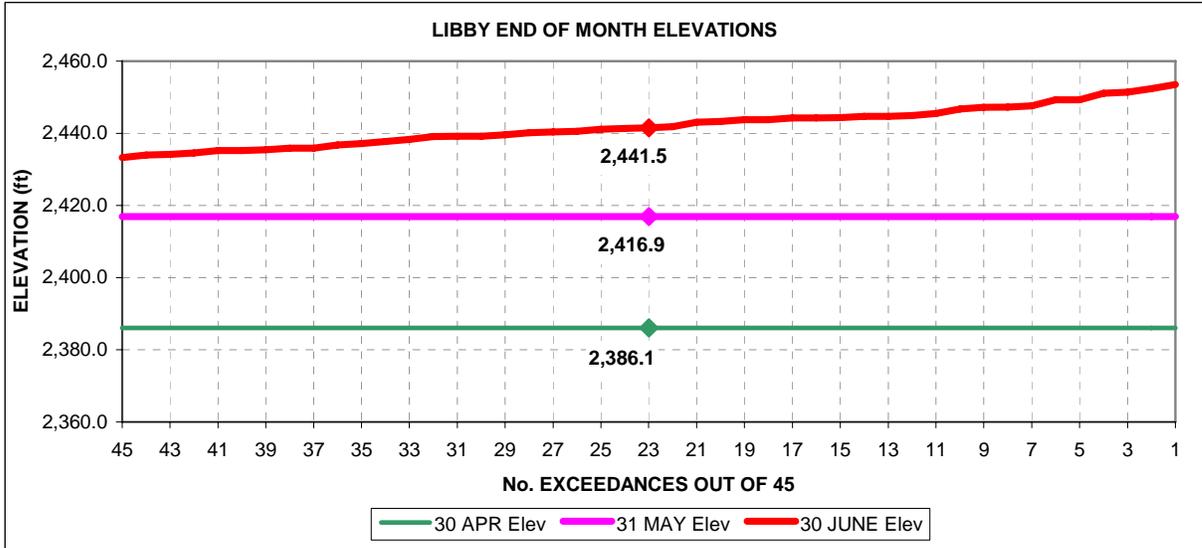
Assumptions:

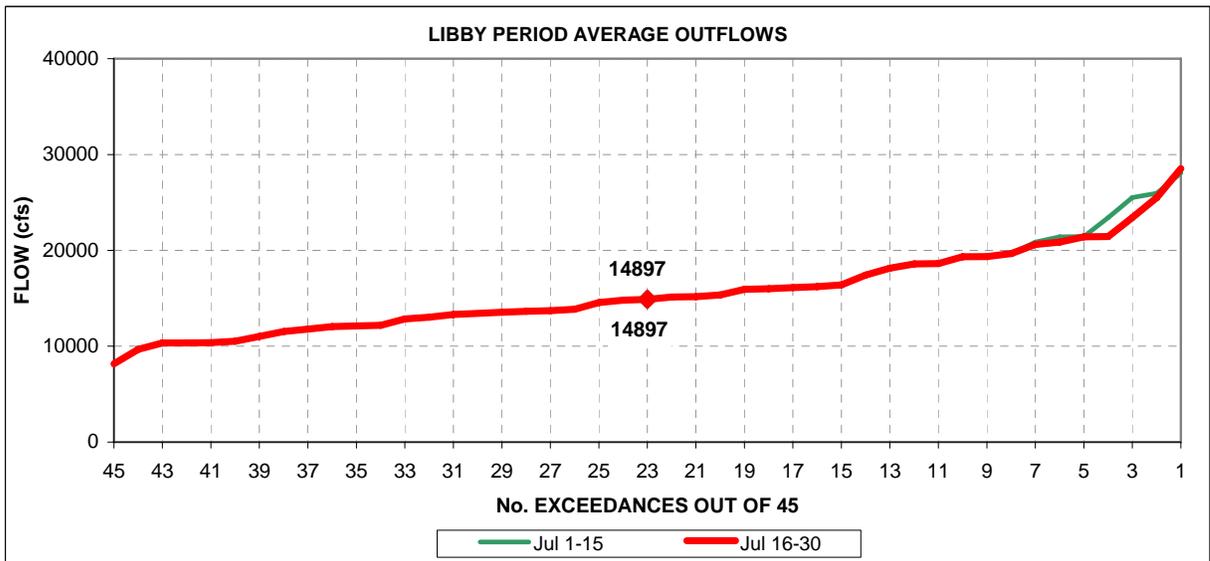
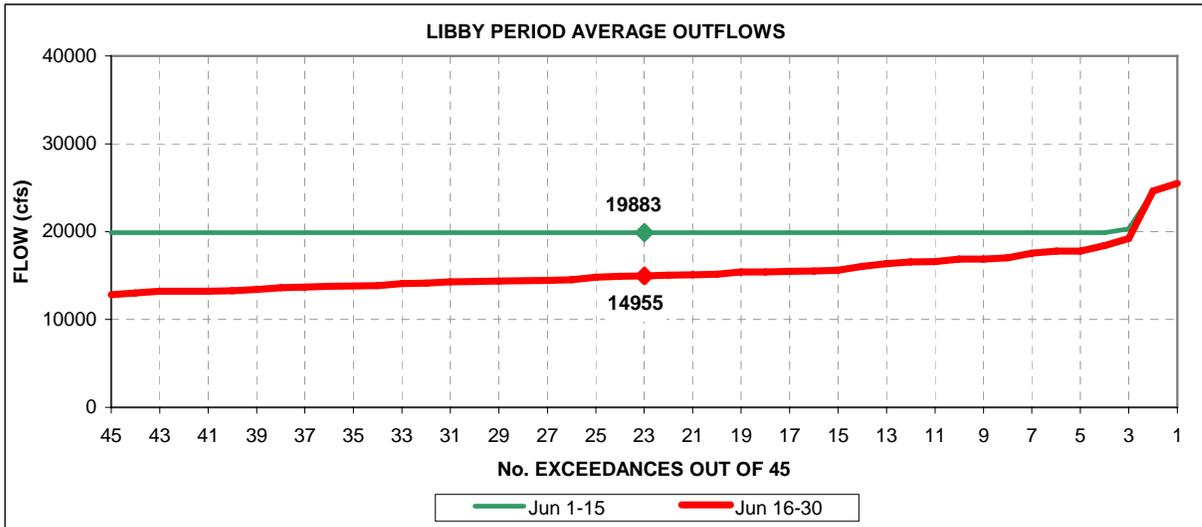
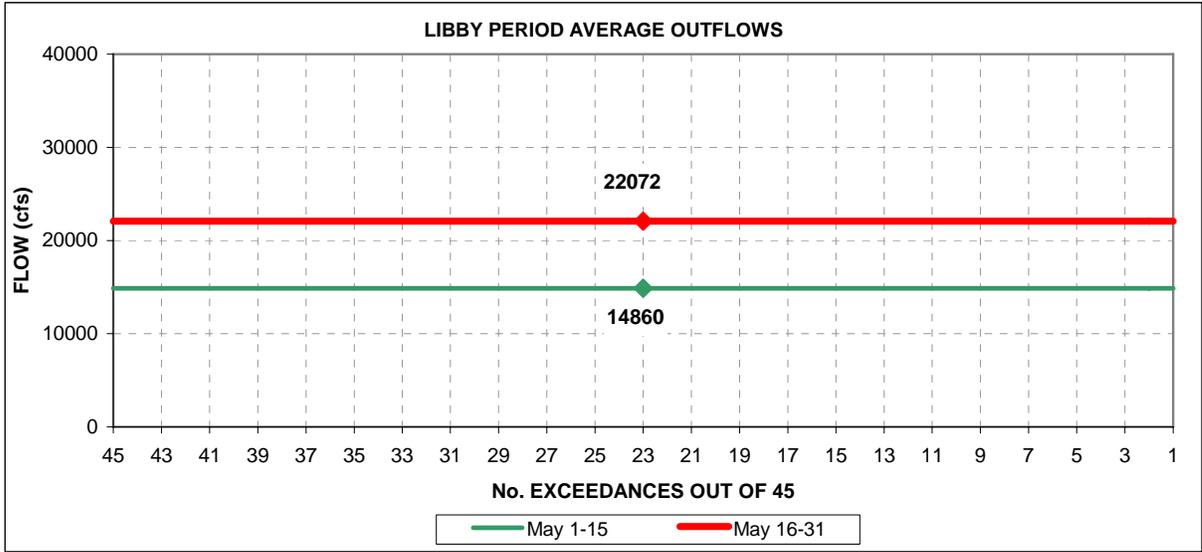
- * Project operated to VARQ flows in April and May based on the official water supply forecasts.
- * The start of VARQ for all flow calculations is 25 April.
- * Sturgeon pulse began on 18 May for all years. Volume of pulse is 1.17 MAF and was calculated using the May final forecast. Pulse starts at 20 kcfs and held for 4 days. Outflow is increased to full load (25.5 kcfs) and held for 14 days. Outflow is then decreased to 20 kcfs for 3 days and then to 15 kcfs to exhaust the remaining volume.
- * VARQ flows continue through the end of June as a minimum.
- * 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:

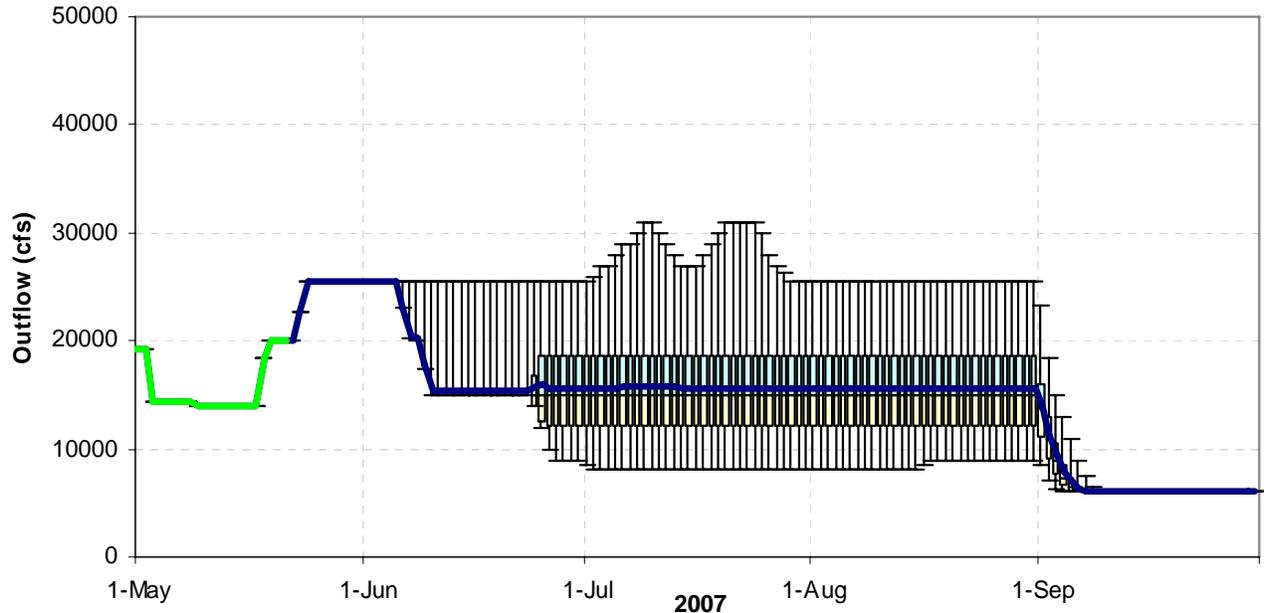
	Mean Flow	Mean Elevation	Median Start VARQ	Mean Max Elevation	Mean Volume (kaf)	Median Volume (kaf)
May 1 - 15	14.9					
May 16 - 31	22.1	2416.9				
Jun 1 - 15	20.1					
Jun 16 - 30	15.6	2442.0				
Jul 1 - 15	15.7					
Jul 16 - 31	15.6	2447.2				
Aug 1 - 31	15.5	2438.4				
Sep 1 - 30	6.7	2438.7				
Entire Runoff			25-Apr	2448.4	6739	6626







Libby Outflows



25th Percentile 75th Percentile Daily Mean Observed Outflow