

Summary of 01 May 2007 ESP Libby Operations - Standard Pulse

1-May-07

Assumptions:

- * Project will operate at 14.4 kcfs (first VARQ flow) through 08 May. After that, VARQ outflow is based on each ESP years volume.

- * VARQ outflow calculations were based on starting VARQ flows on 28 April.

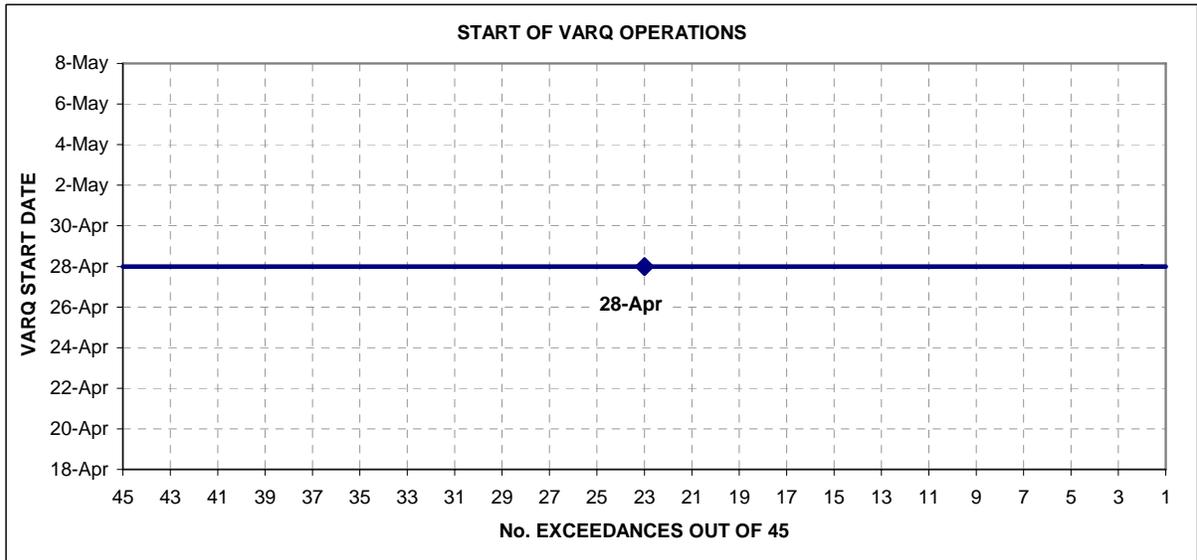
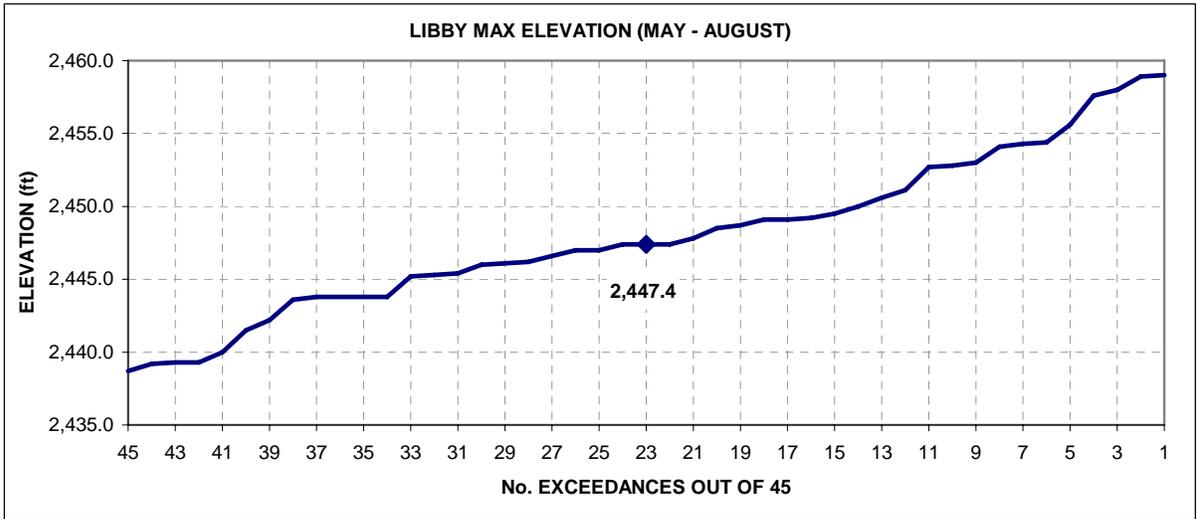
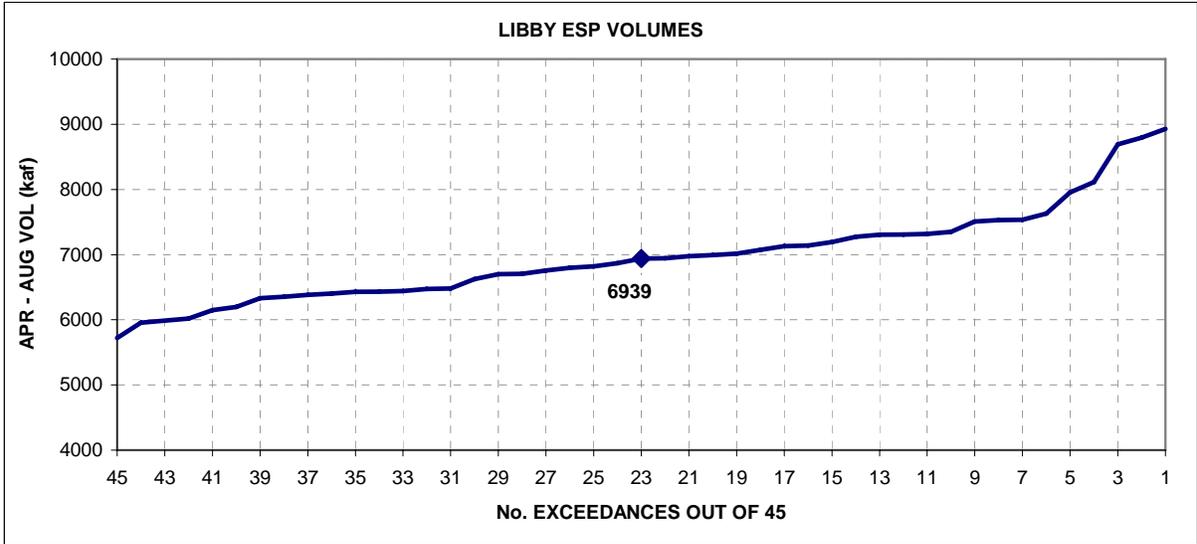
- * Sturgeon pulse begins on 25 May for all years. Volume of pulse is based on each years Apr - Aug volume. Pulse starts at 26 kcfs and holds until the volume is exhausted.

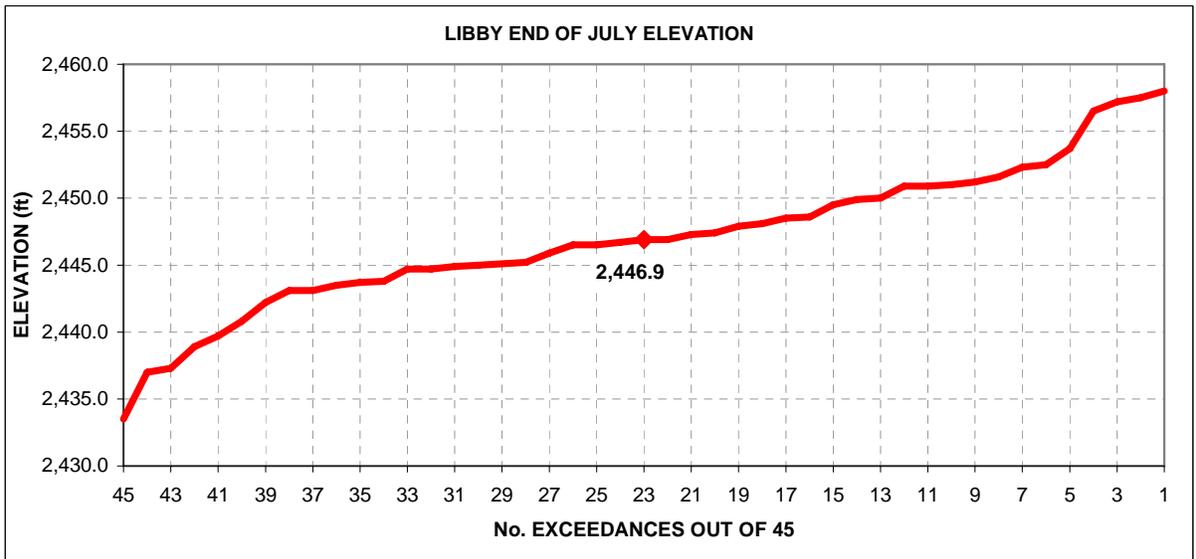
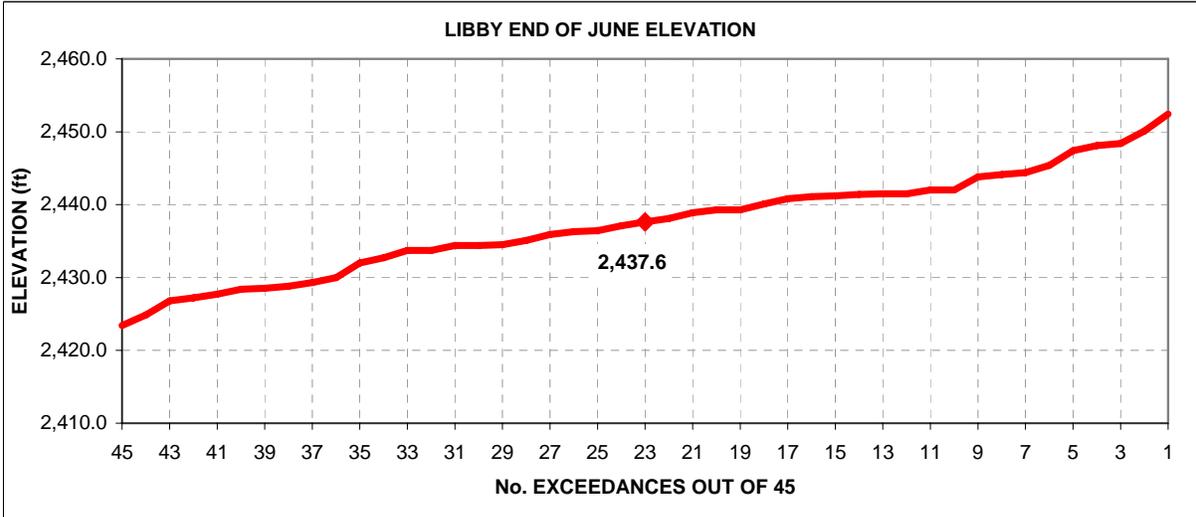
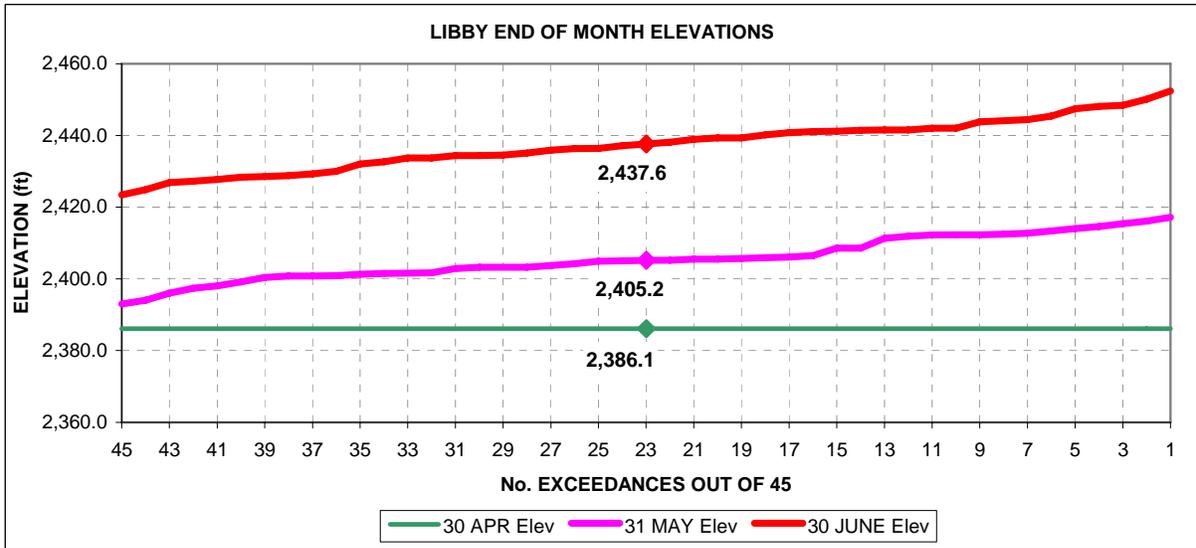
- * VARQ flows continue through the end of June as a minimum.

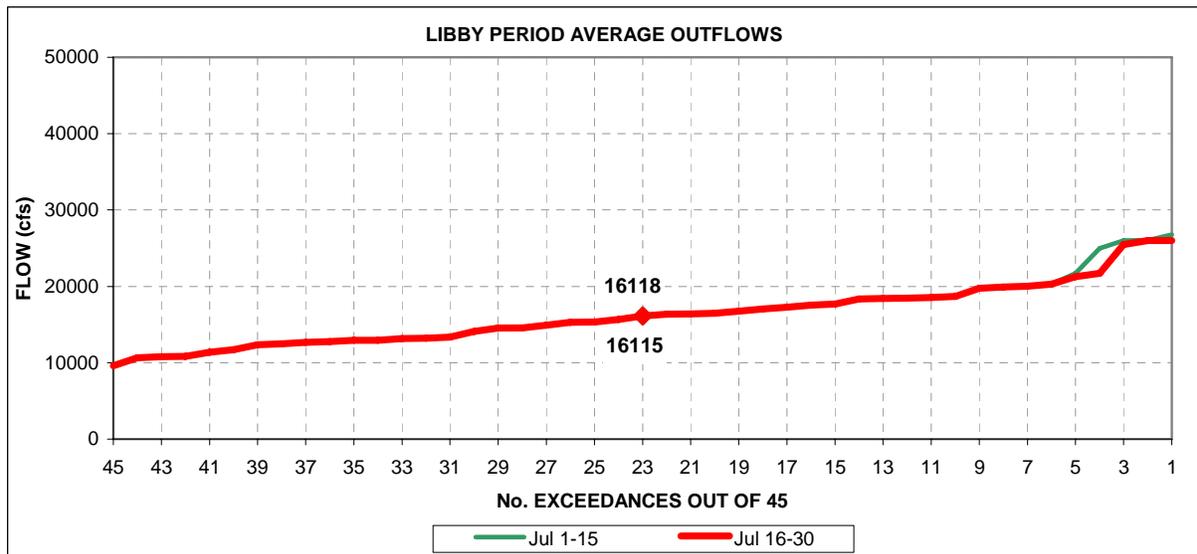
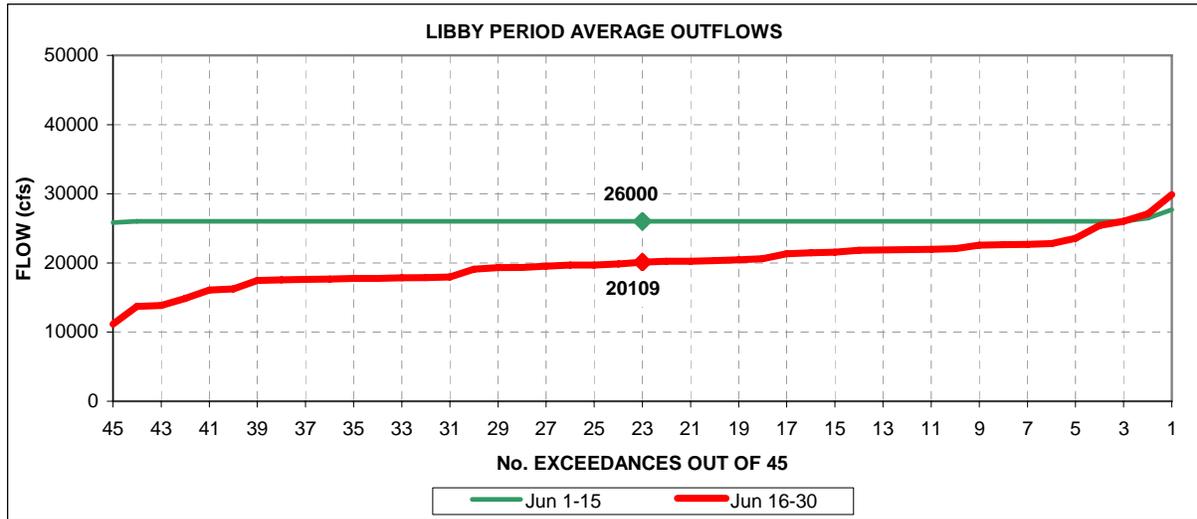
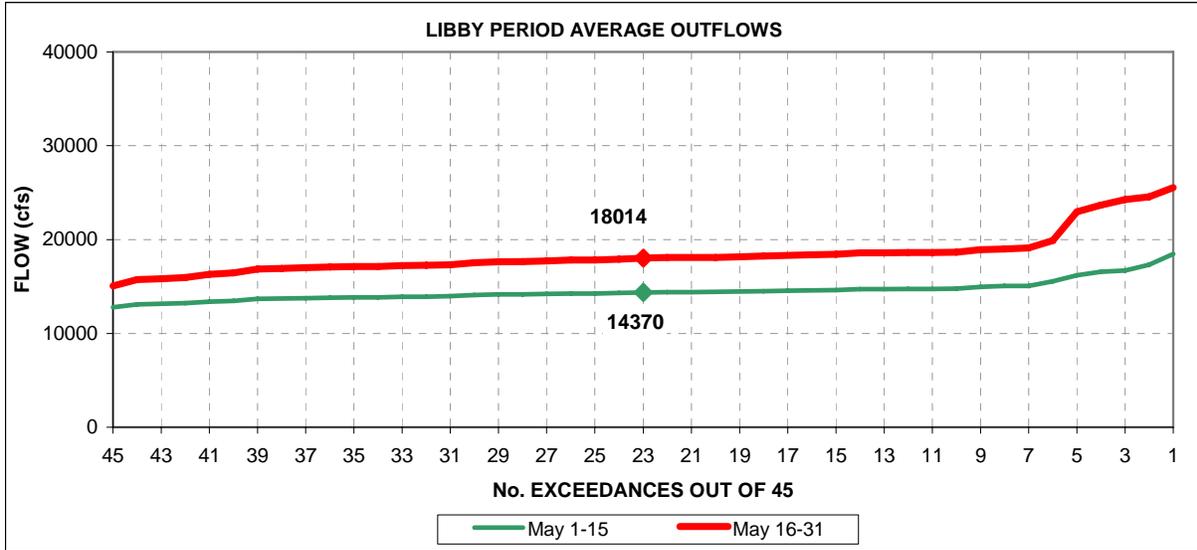
- * No double peaking after the sturgeon pulse was allowed unless needed to avoid filling and spilling. Starting after the Sturgeon pulse a flat flow was targeted to reach elevation 2439.0 feet by the end of August.

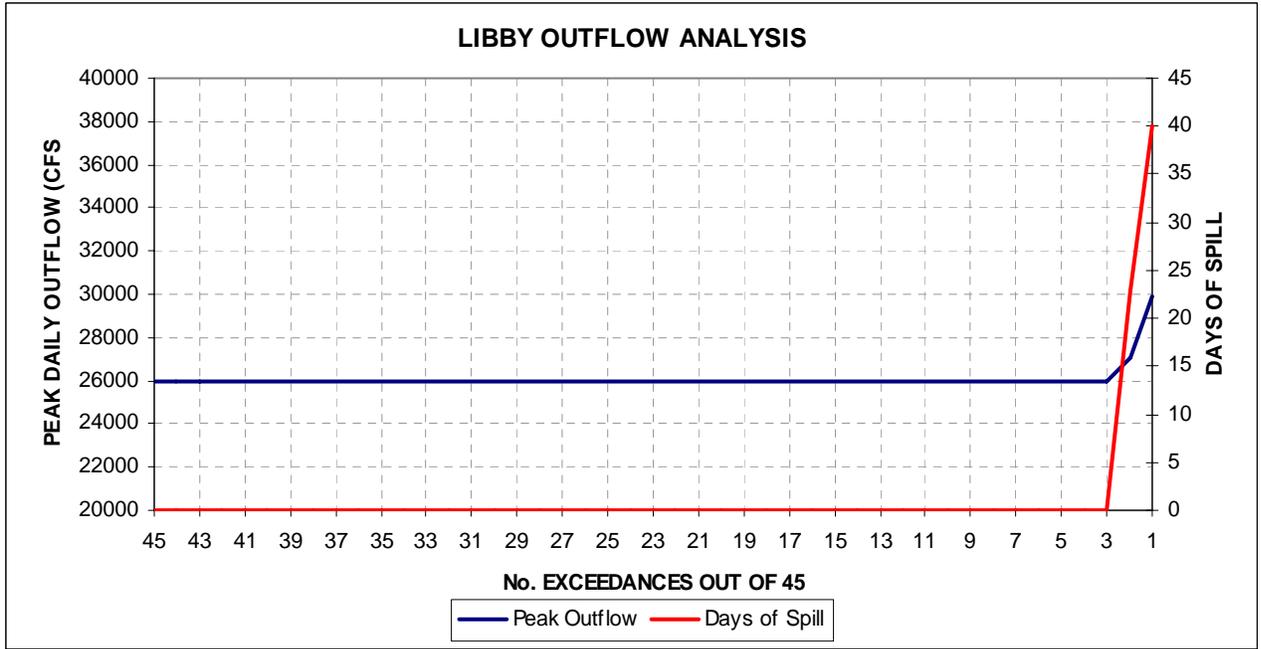
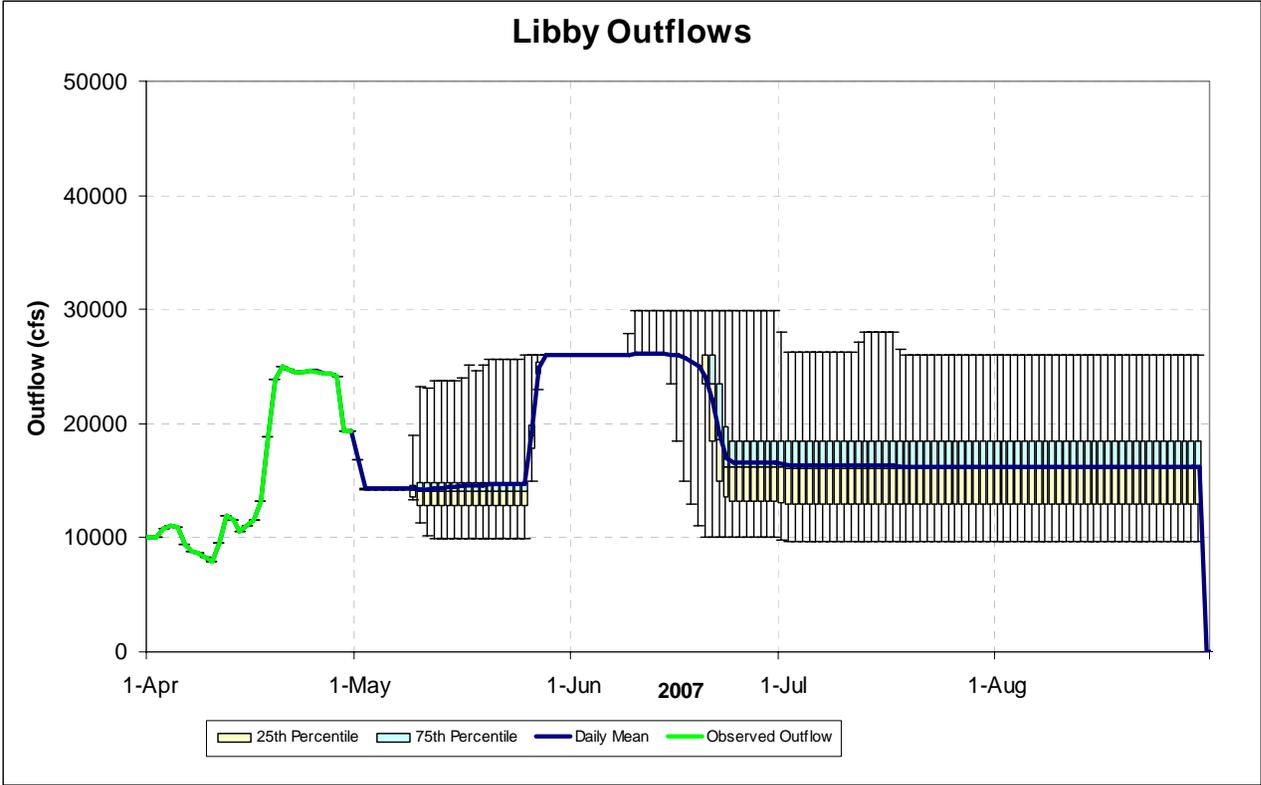
Results for all 45 Years:

	Mean Flow	Mean Elevation	Median Start VARQ	Mean Max Elevation	Mean Volume (kaf)	Median Volume (kaf)
May 1 - 15	14.5					
May 16 - 31	18.4	2405.7				
Jun 1 - 15	26.0					
Jun 16 - 30	20.0	2437.3				
Jul 1 - 15	16.3					
Jul 16 - 31	16.2	2447.0				
Aug 1 - 31	16.2	2439.5				
Sep 1 - 30	---	-----				
Entire Runoff			28-Apr	2448.0	6970	6939









BONNERS FERRY STAGES
Maximum Simulated Stage

