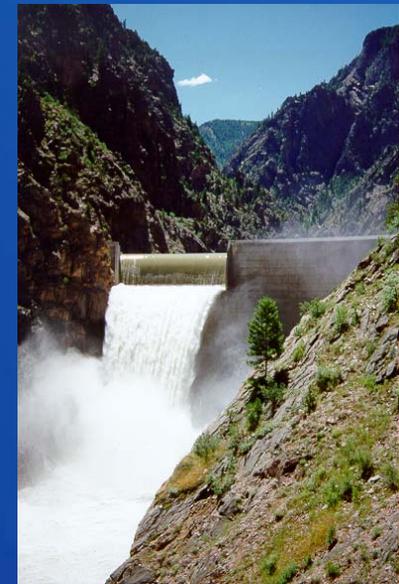
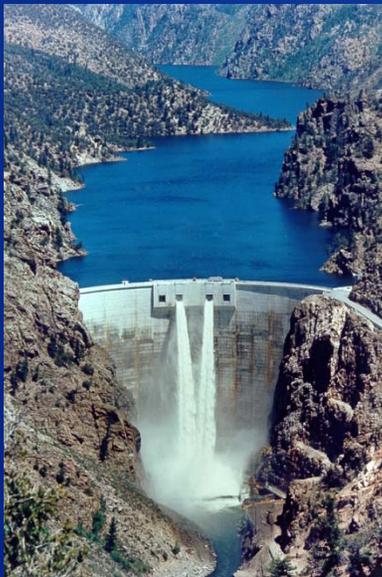


Aspinall Operations Meeting

September 2, 2010

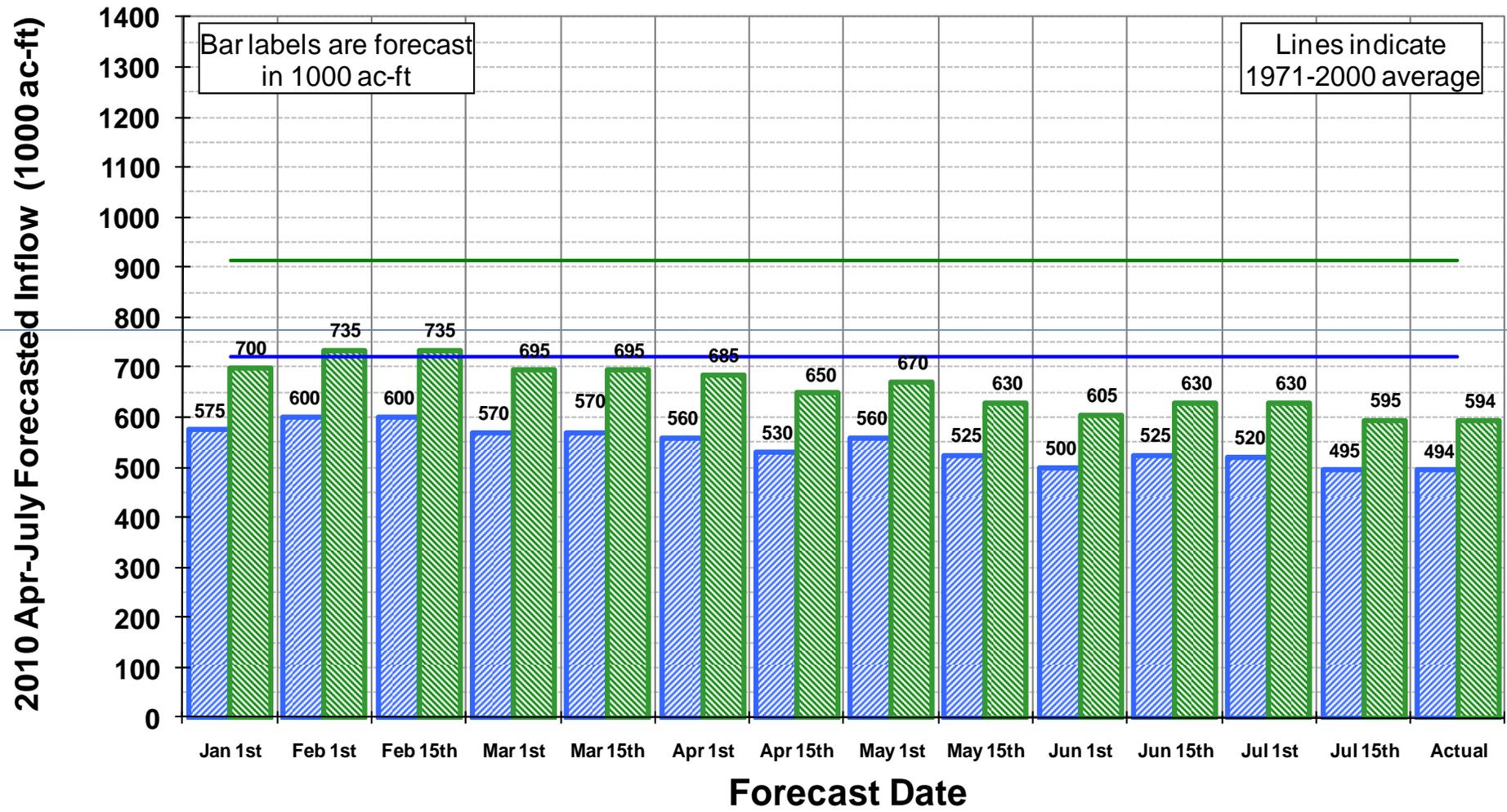


RECLAMATION

SPRING RUNOFF

RECLAMATION

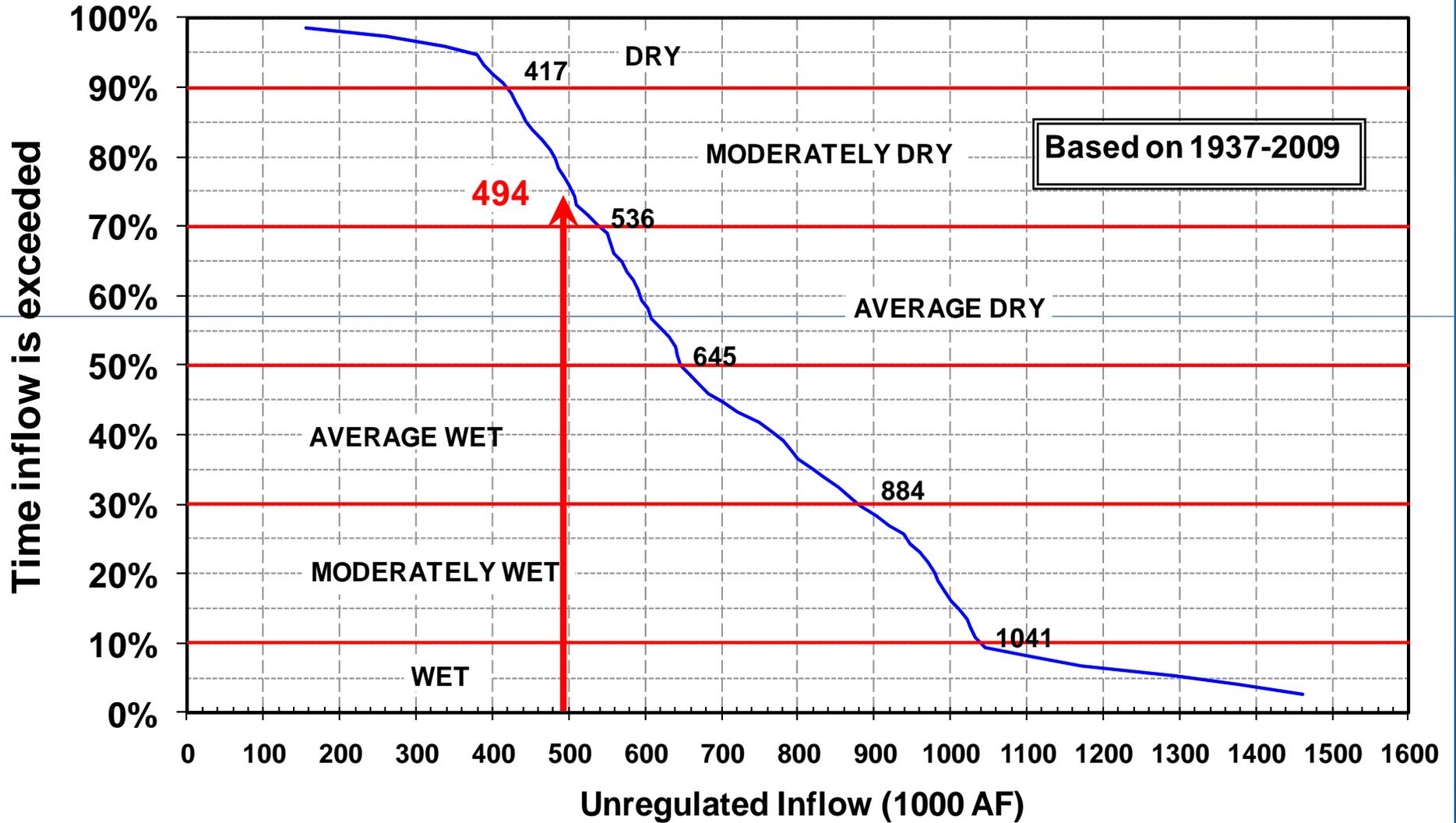
Aspinall Unit Forecasted Unregulated Inflow



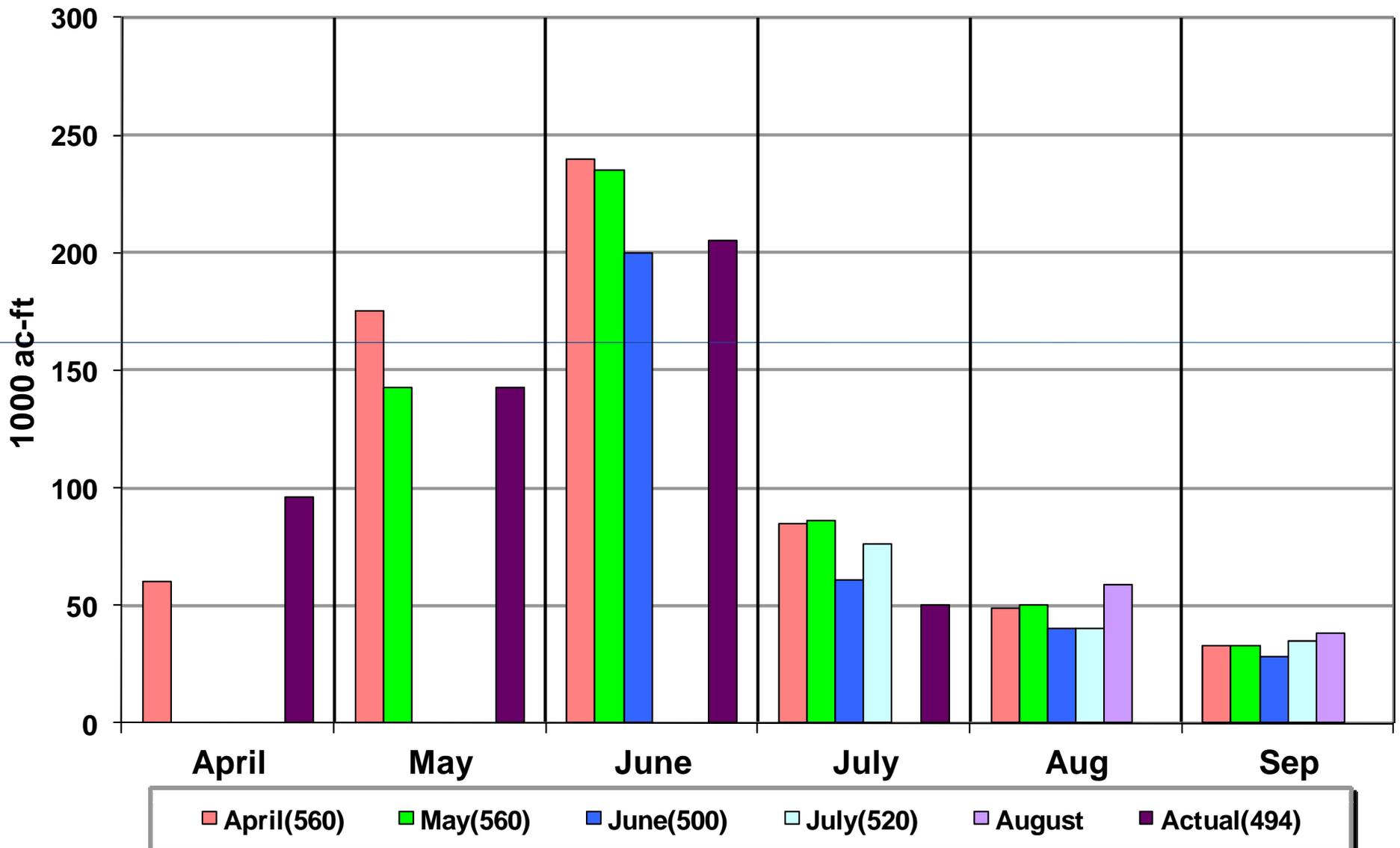
▨ Blue Mesa Inflow
 ▨ Crystal Inflow

Blue Mesa Reservoir

April - July Unregulated Inflow



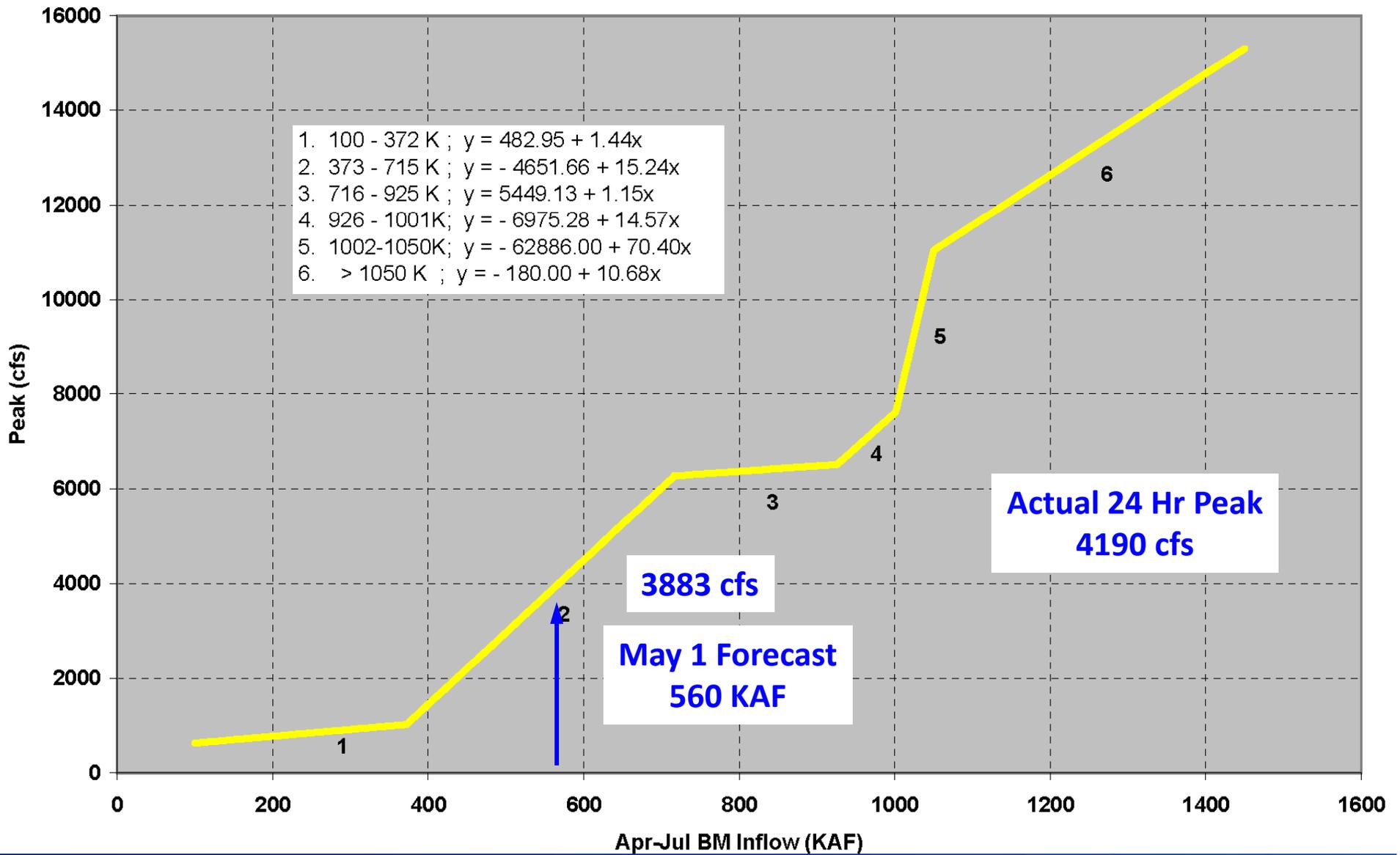
Blue Mesa Unregulated Monthly Inflow (with total Apr-July Blue Mesa inflow 1000 ac-ft)



BLACK CANYON PEAK OPERATION DISCUSSION

RECLAMATION

Black Canyon Peak Flow Determination based on Blue Mesa May 1 forecast



Updated: 18-May-2010

Note: All release changes at each dam is indicated by **red bolded** fonts. This schedule will be updated as changes to the reservoirs are affected by changes in runoff conditions. New reservoir operation directives will be issued as needed.

*1 Crystal Spill Release column is a computed mean daily release rate. This is based on forecasted daily upstream reservoir releases combined with flows from the Cimarron River which may vary. Therefore, this flow rate is an estimate of what it may be during this time period.

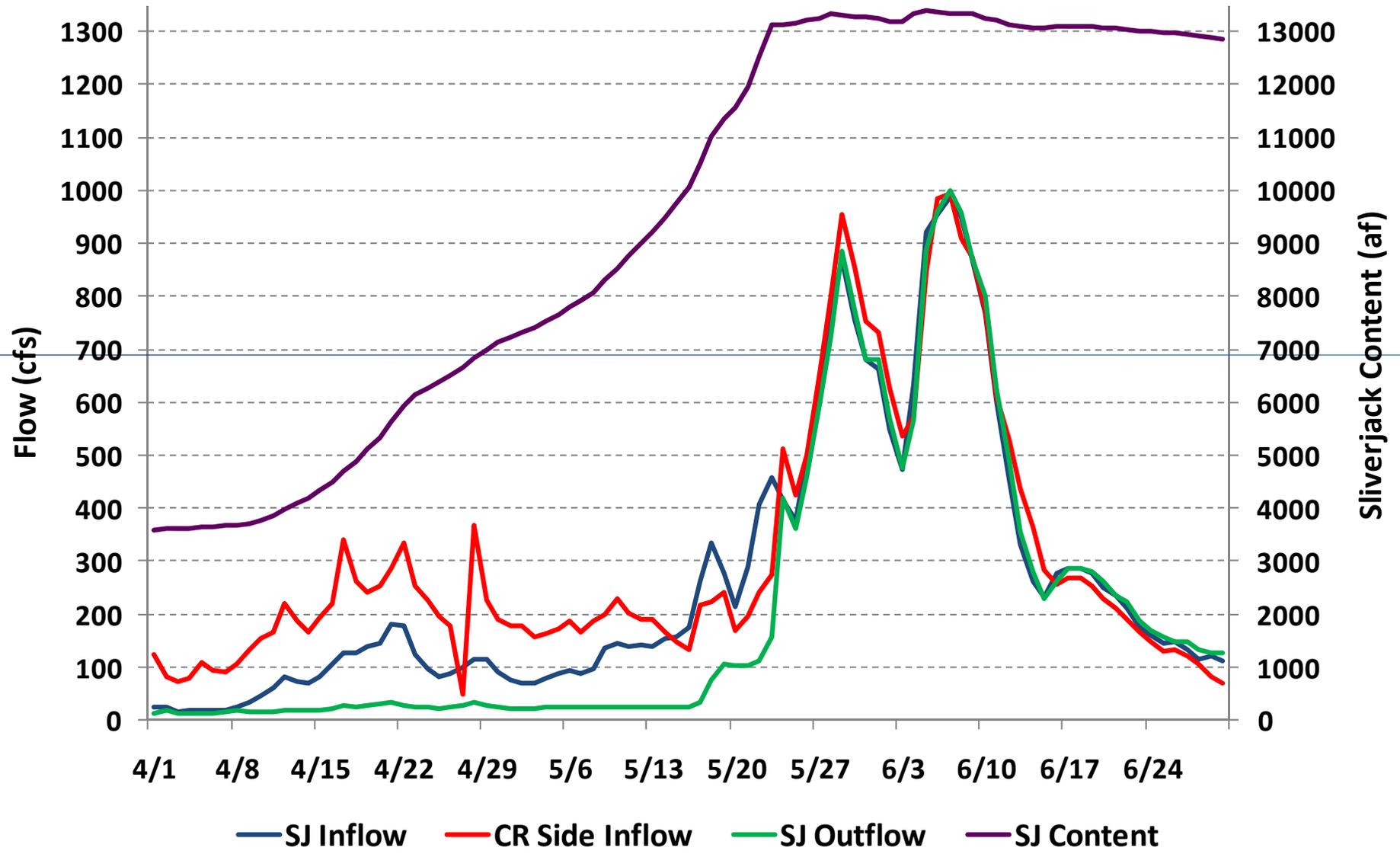
*2 Blue Mesa and Morrow Point Power release rates:
 i) Power releases are tentative so that the powerplants are at maximum rate when by-pass releases are initiated and are of sufficient flows to produce spill at Crystal Reservoir. Actual hourly power release rates will be determined by WAPA.
 ii) After by-pass releases have ended at Morrow Point and Blue Mesa, the total power release rate will be set by WAPA according to power needs and balancing the system storage at each reservoir.

*3 If Morrow Point Spill and Bypass Releases are needed: Reclamation will try to minimize these flows according to the flows from the Cimarron River in achieving the peak flow in the Gunnison River below the tunnel.

5/18/2010	Date	Time, Hrs	Blue Mesa			Morrow Point				Crystal Dam						
			By-Pass Change (CFS)	Total By-Pass Release (CFS)	Average Release (CFS) *2	By-Pass Change (CFS) *3	Total By-Pass Release (CFS) *3	Spillway Release (CFS) *3	Average Release (CFS) *2	Power Change (CFS)	Total Power Release (CFS)	By-Pass Change (CFS)	Total By-Pass Release (CFS)	Anticipated Spillway Release (CFS) *1	Total Release (CFS)	
Saturday	1-May	MDT	0	0	1,068	0	0	0	1,419	0	1,450	0	0	0	0	1,450
Sunday	2-May	8:00	0	0	1100	0	0	0	1400	0	1450	0	0	0	0	1450
Sunday	2-May	16:00	0	0	1100	0	0	0	1400	0	1450	0	0	0	0	1450
Monday	3-May	8:00	0	0	1100	0	0	0	1400	0	1450	0	0	0	0	1450
Monday	3-May	16:00	0	0	1100	0	0	0	1400	0	1450	0	0	0	0	1450
Tuesday	4-May	8:00	0	0	1100	0	0	0	1400	0	1450	0	0	0	0	1450
Tuesday	4-May	16:00	0	0	1200	0	0	0	1400	0	1450	0	0	0	0	1450
Wednesday	5-May	8:00	0	0	1200	0	0	0	1400	0	1450	0	0	0	0	1450
Wednesday	5-May	16:00	0	0	1200	0	0	0	1400	0	1450	0	0	0	0	1450
Thursday	6-May	8:00	0	0	1200	0	0	0	1400	0	1450	0	0	0	0	1450
Thursday	6-May	16:00	0	0	1100	0	0	0	1400	100	1550	0	0	0	0	1550
Friday	7-May	8:00	0	0	1200	0	0	0	1500	0	1550	0	0	0	0	1550
Friday	7-May	16:00	0	0	1200	0	0	0	1500	0	1550	0	0	0	0	1550
Saturday	8-May	8:00	0	0	1200	0	0	0	1500	0	1550	0	0	0	0	1550
Saturday	8-May	16:00	0	0	1200	0	0	0	1500	0	1550	0	0	0	0	1550
Sunday	9-May	8:00	0	0	1300	0	0	0	1500	0	1550	0	0	0	0	1550
Sunday	9-May	16:00	0	0	1300	0	0	0	1500	0	1550	0	0	0	0	1550
Monday	10-May	8:00	0	0	1400	0	0	0	1500	0	1550	0	0	0	0	1550
Monday	10-May	16:00	0	0	1400	0	0	0	1500	0	1550	0	0	0	0	1550
Tuesday	11-May	8:00	0	0	1600	0	0	0	1600	200	1750	0	0	0	0	1750
Tuesday	11-May	16:00	0	0	1800	0	0	0	1800	250	2000	0	0	0	0	2000
Wednesday	12-May	8:00	0	0	2000	0	0	0	2000	100	2100	150	150	0	0	2250
Wednesday	12-May	16:00	0	0	2200	0	0	0	2300	0	2100	250	400	0	0	2500
Thursday	13-May	8:00	0	0	2200	0	0	0	2600	0	2100	250	650	0	0	2750
Thursday	13-May	16:00	0	0	2300	0	0	0	2800	0	2100	250	900	0	0	3000
Friday	14-May	8:00	0	0	2400	0	0	0	3100	0	2100	250	1150	0	0	3250
Friday	14-May	16:00	0	0	2500	0	0	0	3300	0	2100	250	1400	0	0	3500
Saturday	15-May	8:00	0	0	3000	0	0	0	3700	0	2100	250	1650	0	0	3750
Saturday	15-May	16:00	0	0	3400	0	0	0	4000	0	2100	250	1900	0	0	4000
Sunday	16-May	8:00	400	400	3800	0	0	0	4400	0	2100	200	2100	0	0	4200
Sunday	16-May	16:00	400	800	4200	0	0	0	4900	0	2100	2100	2100	0	0	4200
Monday	17-May	8:00	200	1000	4400	0	0	0	4800	0	2100	2100	400	400	4600	
Monday	17-May	16:00	200	1200	4800	0	0	0	5200	0	2100	2100	1200	1200	5400	
Tuesday	18-May	8:00	-200	1000	4400	0	0	0	4700	0	2100	2100	1000	1000	5200	
Tuesday	18-May	16:00	-300	700	4100	0	0	0	4450	0	2100	2100	500	500	4700	
Wednesday	19-May	8:00	-200	500	3900	0	0	0	4100	0	2100	2100	300	300	4500	
Wednesday	19-May	16:00	-200	300	3700	0	0	0	3900	0	2100	2100	50	50	4250	
Thursday	20-May	8:00	-200	100	3500	0	0	0	3700	0	2100	-250	1850	7	7	3957
Thursday	20-May	16:00	-100	0	3200	0	0	0	3500	0	2100	-250	1800	7	7	3707
Friday	21-May	8:00	0	0	3100	0	0	0	3400	0	2100	-200	1400	0	0	3500
Friday	21-May	16:00	0	0	3100	0	0	0	3300	0	2100	-200	1200	0	0	3300
Saturday	22-May	8:00	0	0	2800	0	0	0	3100	0	2100	-200	1000	0	0	3100
Saturday	22-May	16:00	0	0	2600	0	0	0	2900	0	2100	-200	800	0	0	2900
Sunday	23-May	8:00	0	0	2400	0	0	0	2700	0	2100	-200	600	0	0	2700
Sunday	23-May	16:00	0	0	2200	0	0	0	2500	0	2100	-200	400	0	0	2500
Monday	24-May	8:00	0	0	1800	0	0	0	2200	0	2100	-200	200	0	0	2300
Monday	24-May	16:00	0	0	1500	0	0	0	1900	0	2100	-200	0	0	2100	
Tuesday	25-May	8:00	0	0	1200	0	0	0	1700	-200	1900	0	0	0	0	1900
Tuesday	25-May	16:00	0	0	900	0	0	0	1400	-200	1700	0	0	0	0	1700
Wednesday	26-May	8:00	0	0	700	0	0	0	1300	-100	1600	0	0	0	0	1600
Wednesday	26-May	16:00	0	0	600	0	0	0	1100	0	1600	0	0	0	0	1600
Thursday	27-May	8:00	0	0	600	0	0	0	1100	0	1600	0	0	0	0	1600
Thursday	27-May	16:00	0	0	700	0	0	0	1100	0	1600	0	0	0	0	1600
Friday	28-May	8:00	0	0	700	0	0	0	1100	0	1600	0	0	0	0	1600
Friday	28-May	16:00	0	0	700	0	0	0	1100	0	1600	0	0	0	0	1600
Saturday	29-May	8:00	0	0	800	0	0	0	1200	0	1600	0	0	0	0	1600

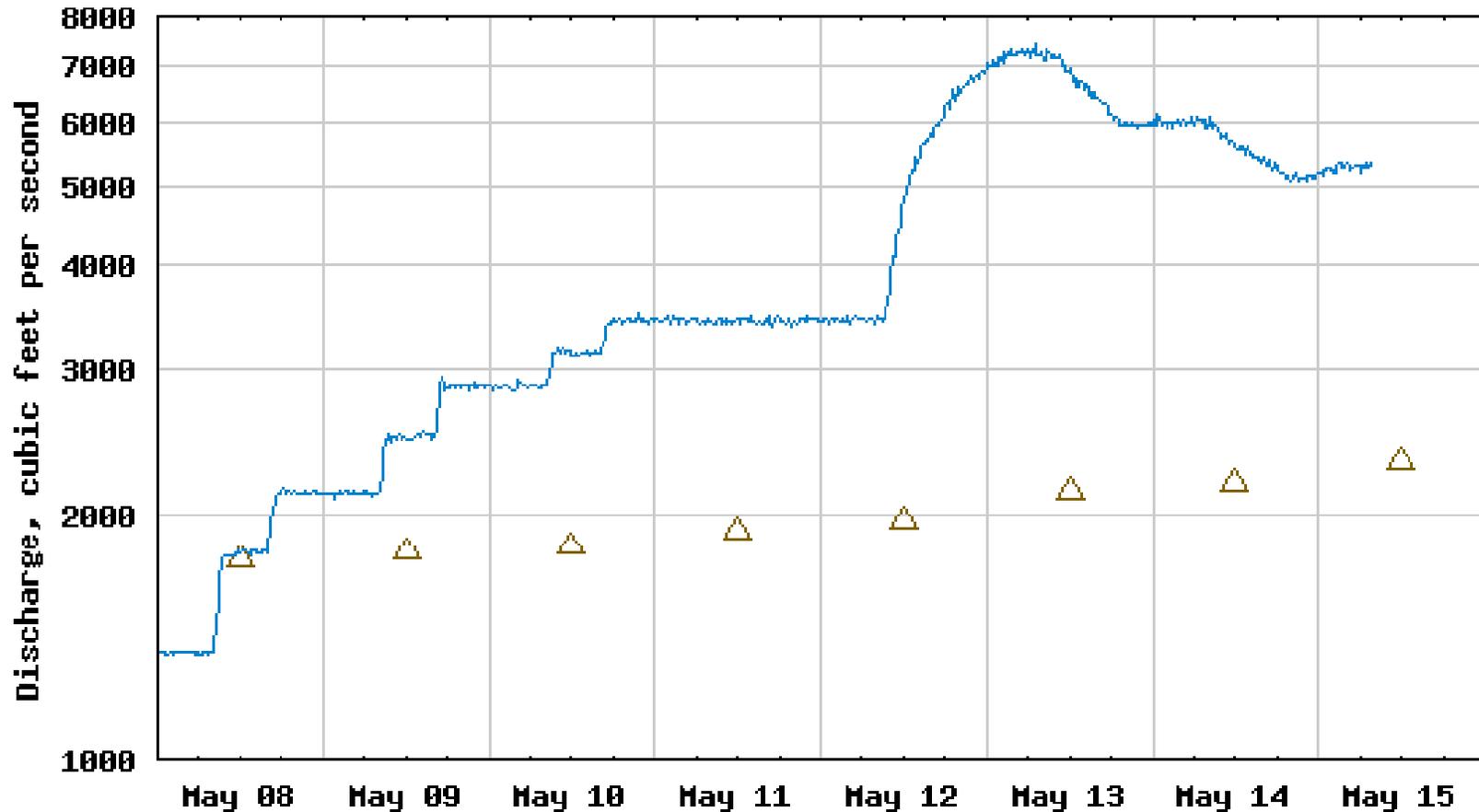
RECLAMATION

Cimarron River Flows to Aspinall Unit



Gunnison River Below Tunnel

USGS 09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO



---- Provisional Data Subject to Revision ----

△ Median daily statistic (98 years) — Discharge

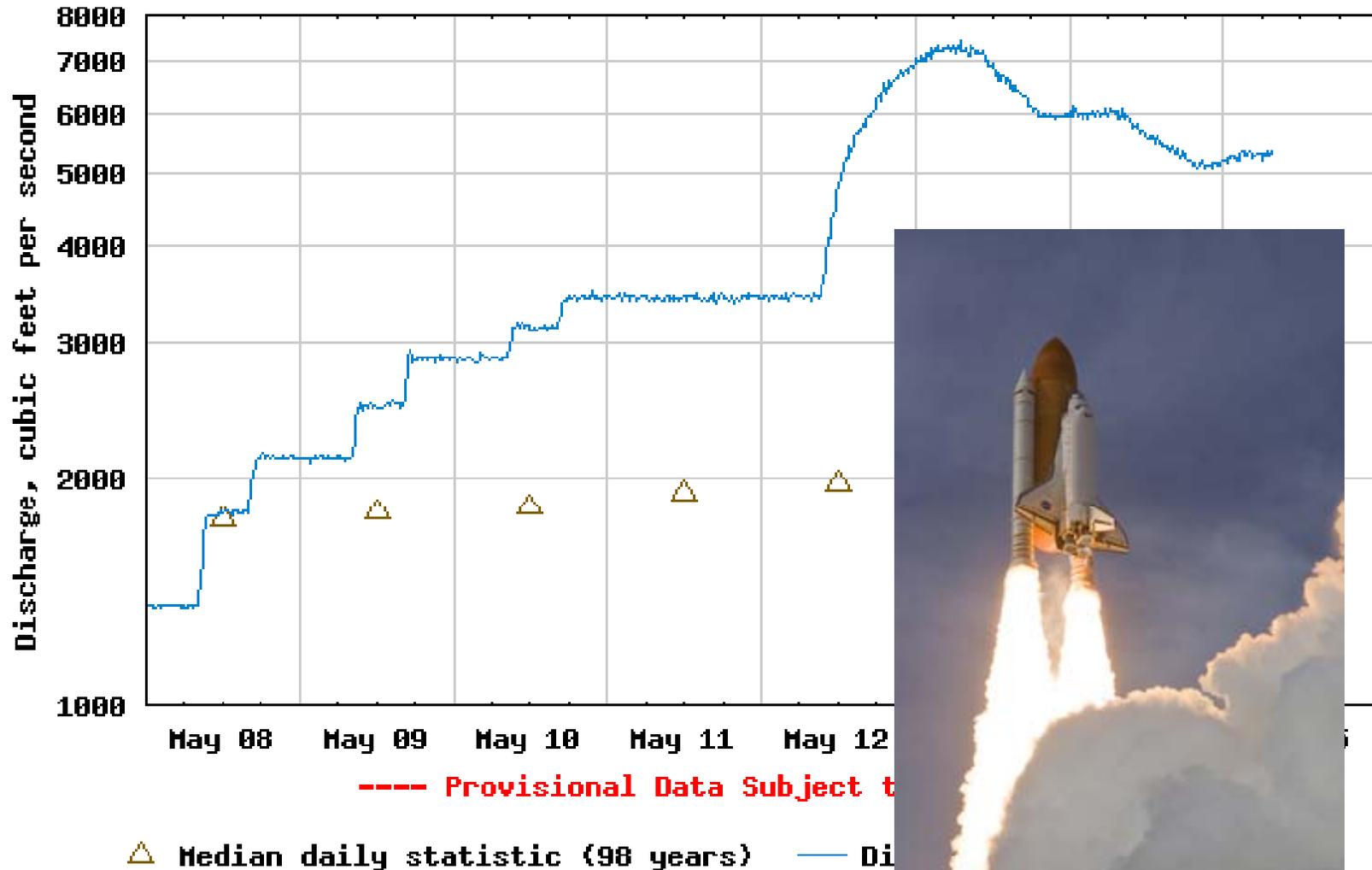
[Create presentation-quality graph](#)

Parameter 00

RECLAMATION

Gunnison River Below Tunnel

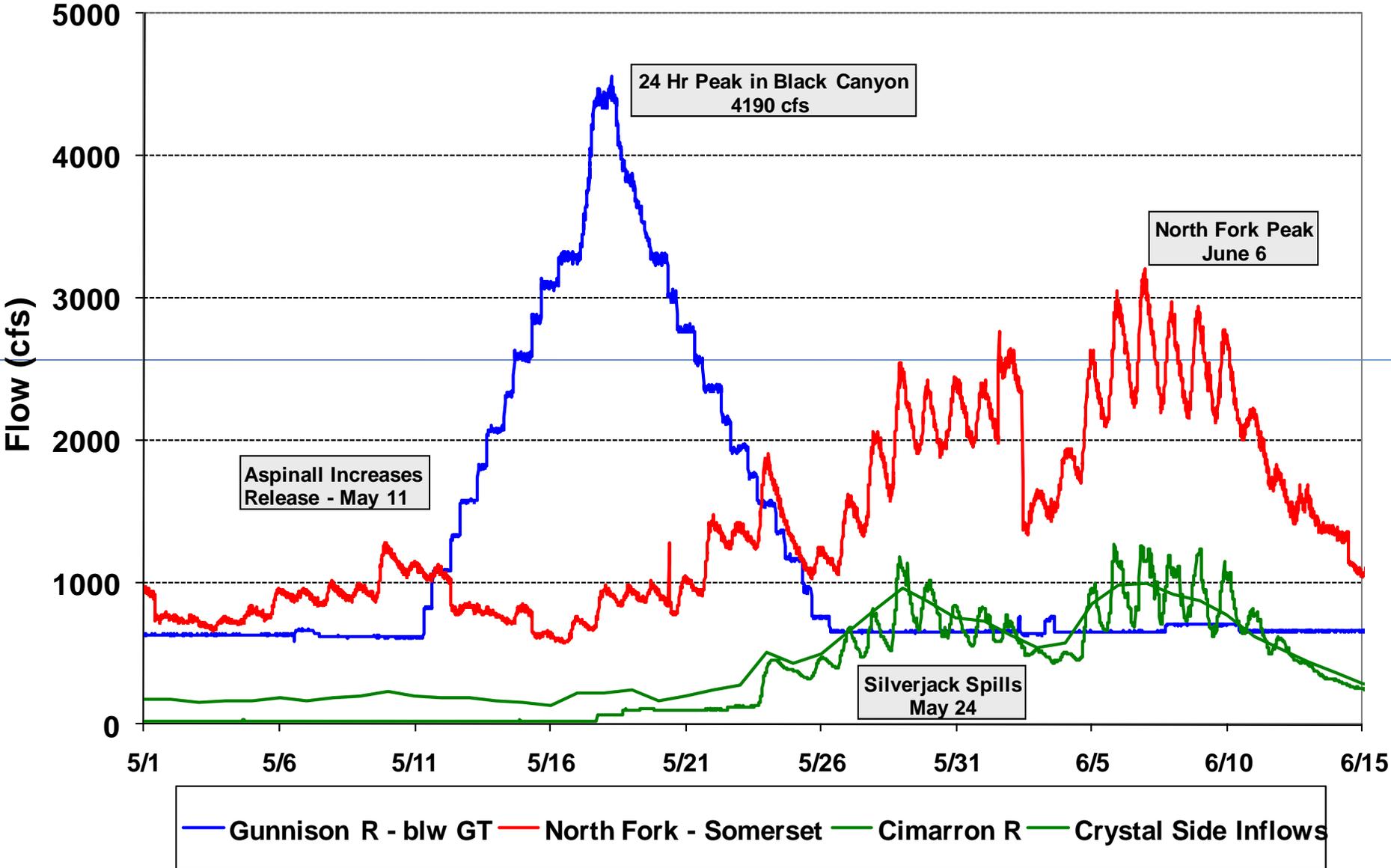
USGS 09128000 GUNNISON RIVER BELOW GUNNISON TUNNEL, CO



[Create presentation-quality graph](#)

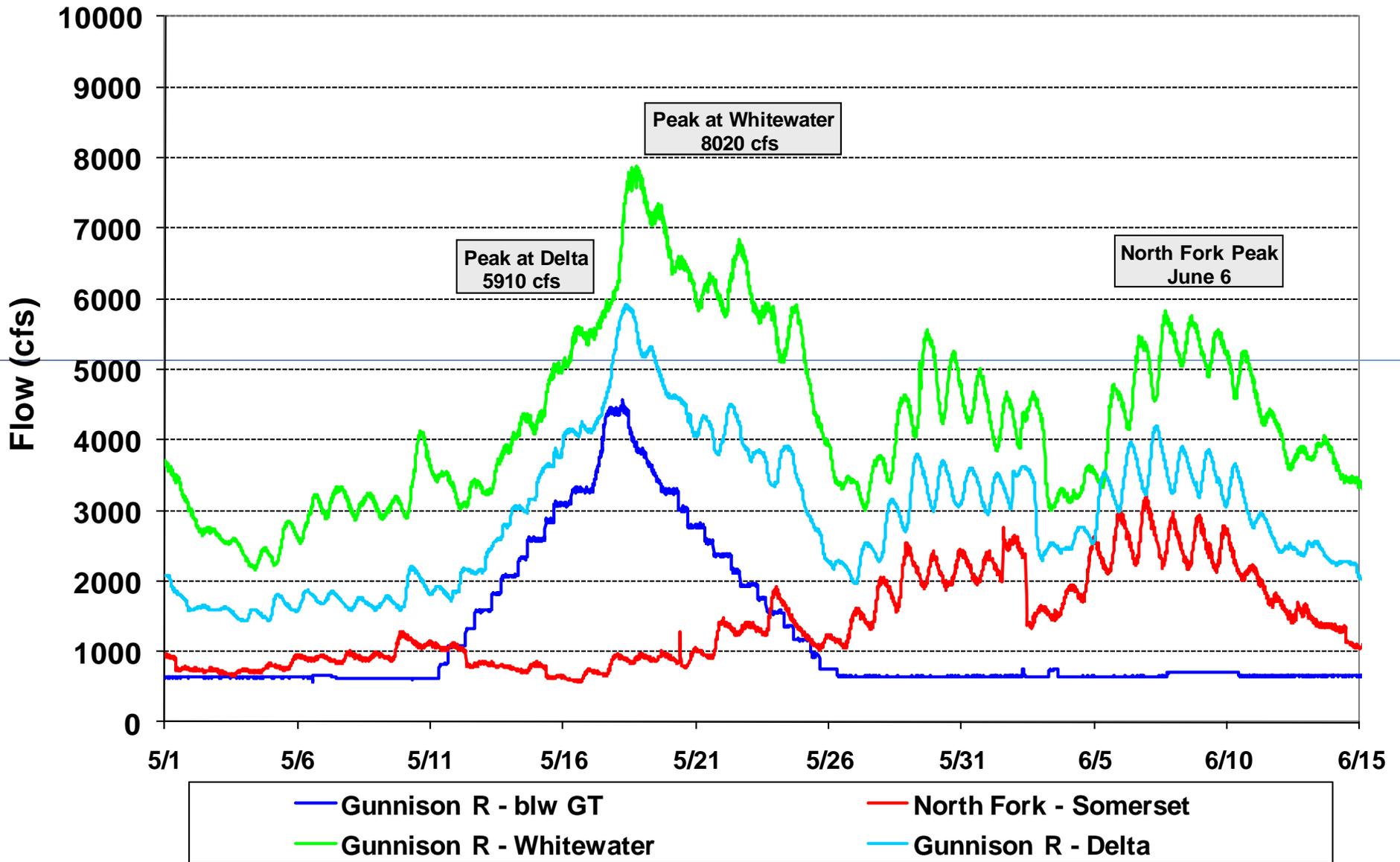
Parameter 00

Gunnison River - Black Canyon



RECLAMATION

Gunnison River @ Whitewater

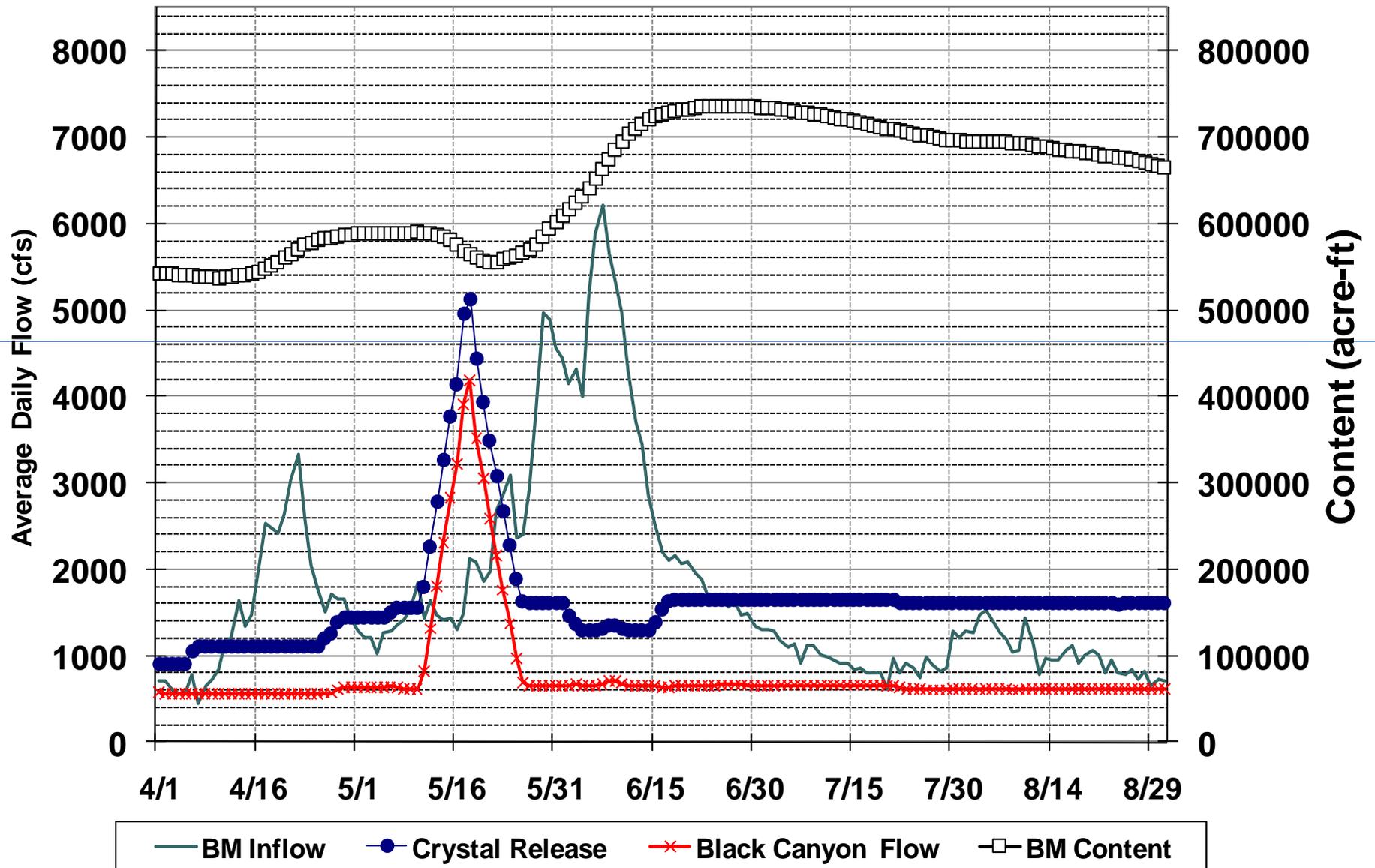


RECLAMATION

SPRING/SUMMER CONDITIONS

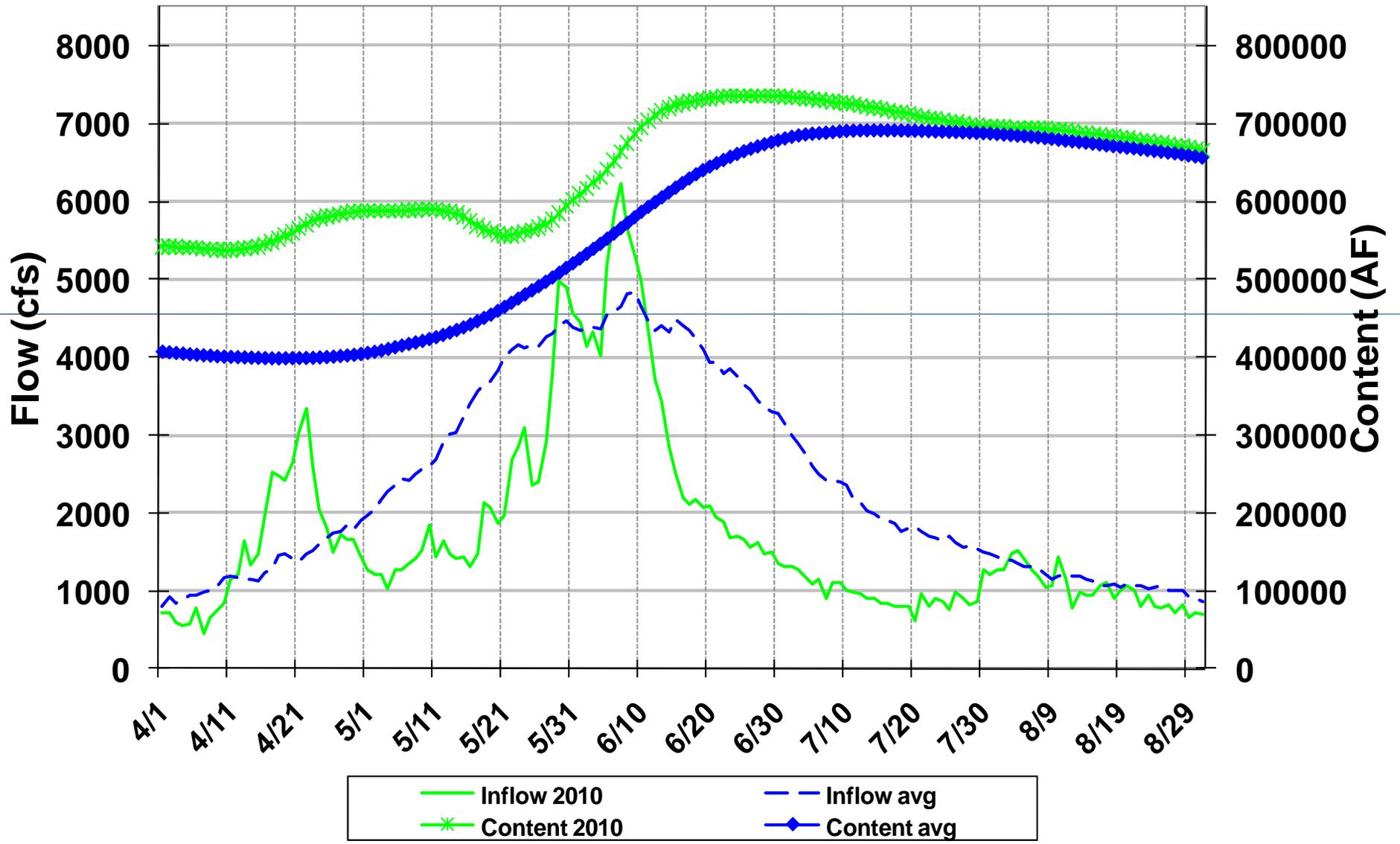
RECLAMATION

April - August



RECLAMATION

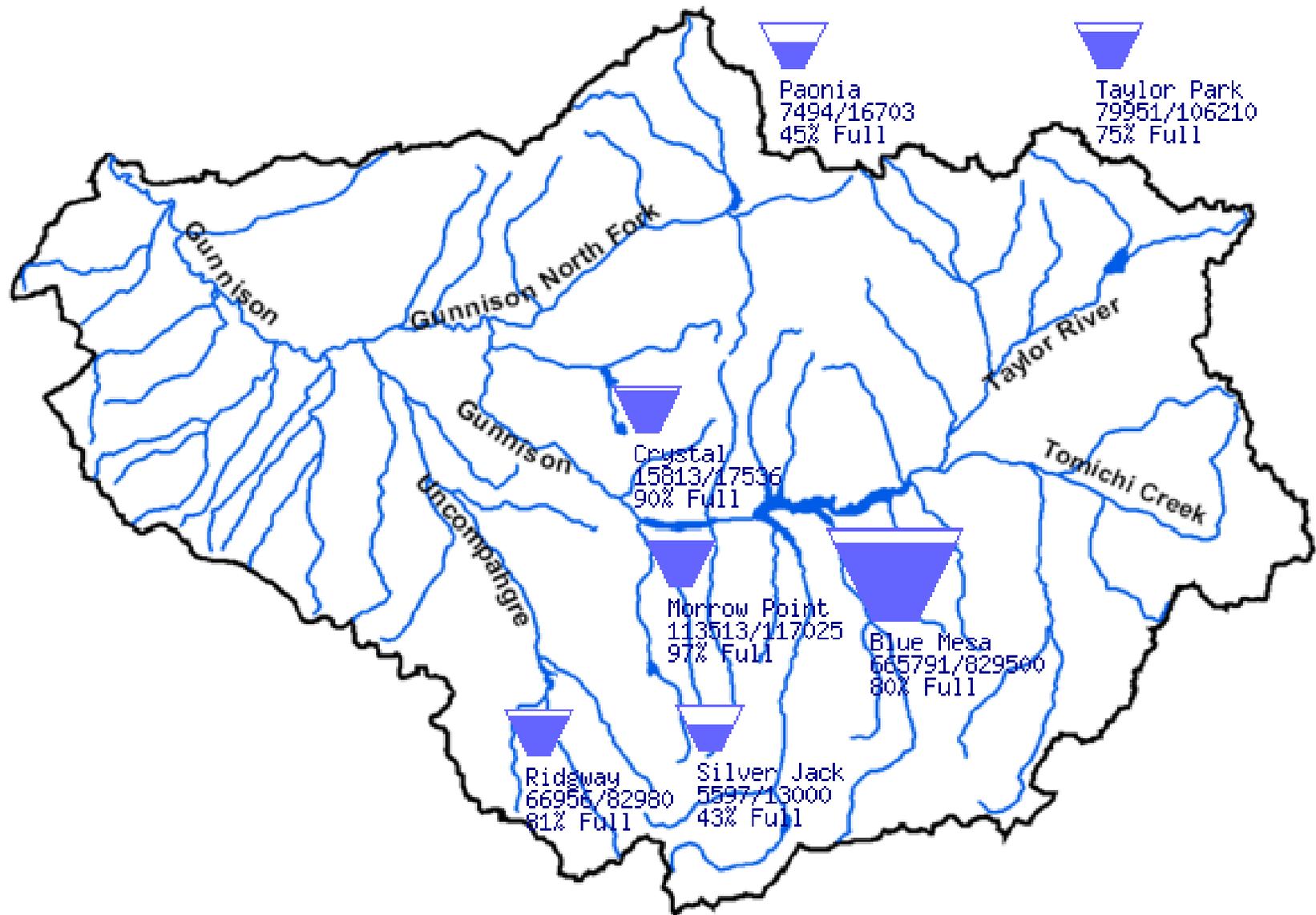
April - August Blue Mesa Comparison with Long Term Average



RECLAMATION

Data Current as of:
08/31/2010

Gunnison River Basin, CO

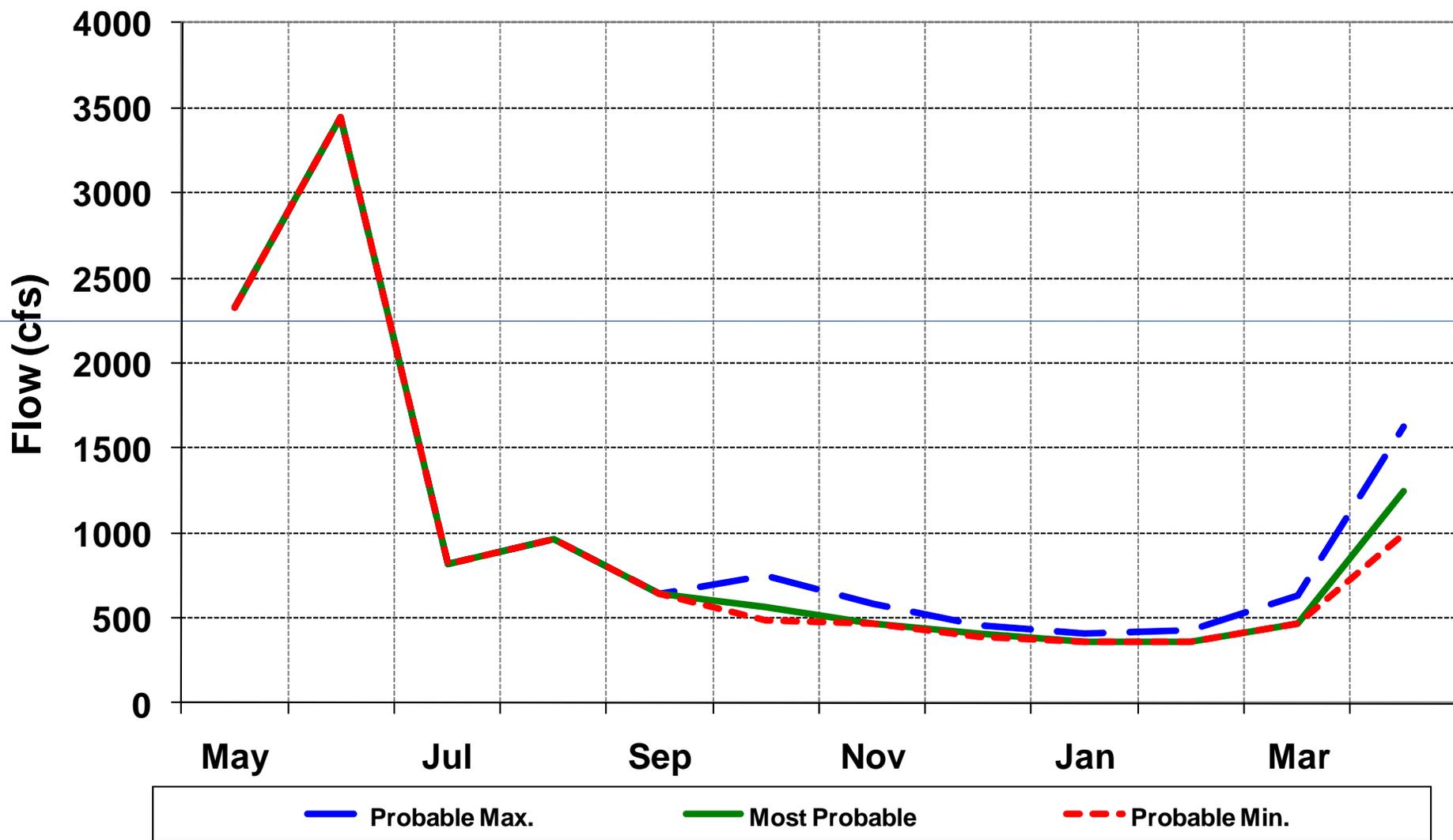


RECLAMATION

24 MONTH STUDY

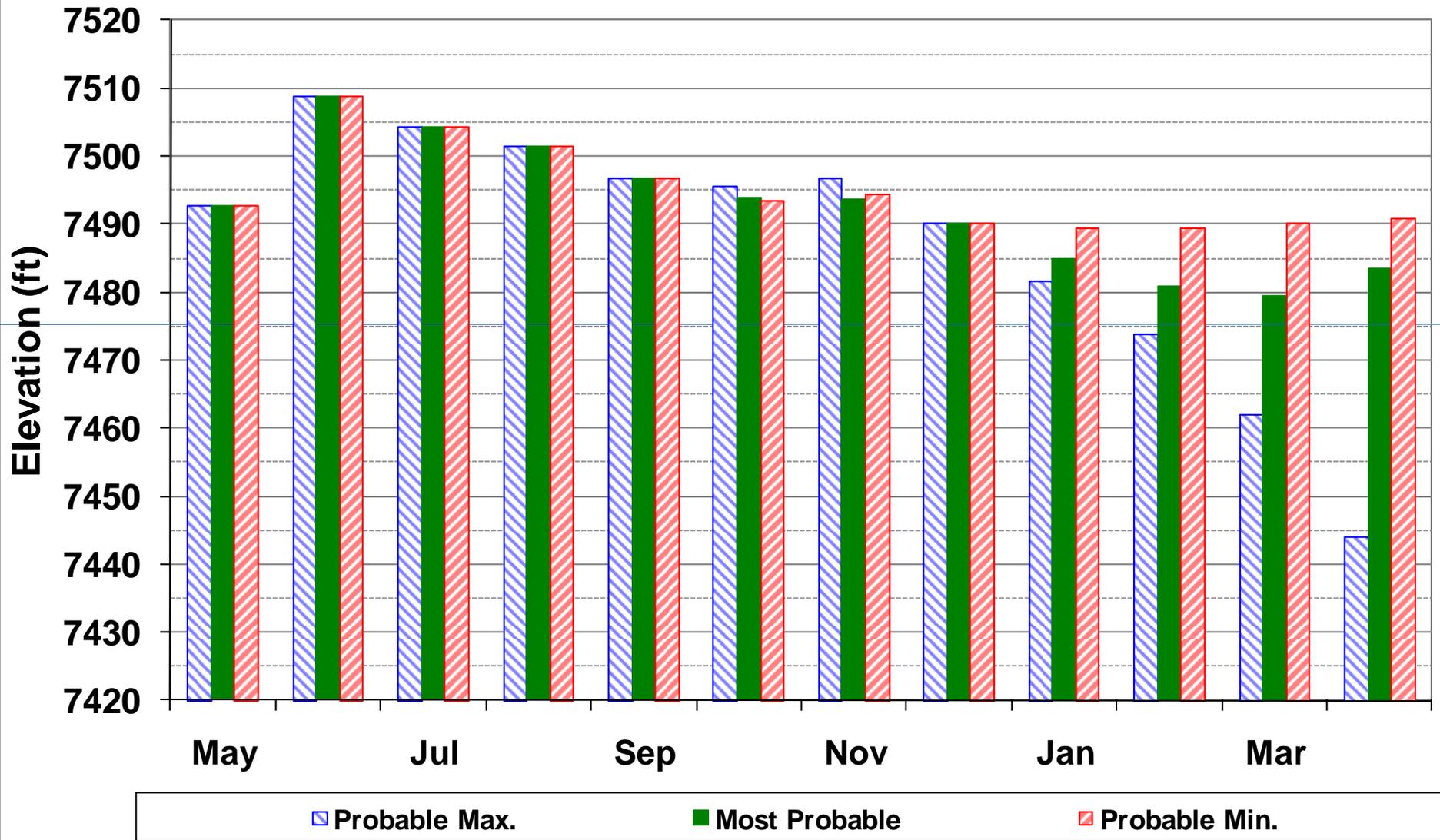
RECLAMATION

Unregulated Blue Mesa Inflow Monthly Average



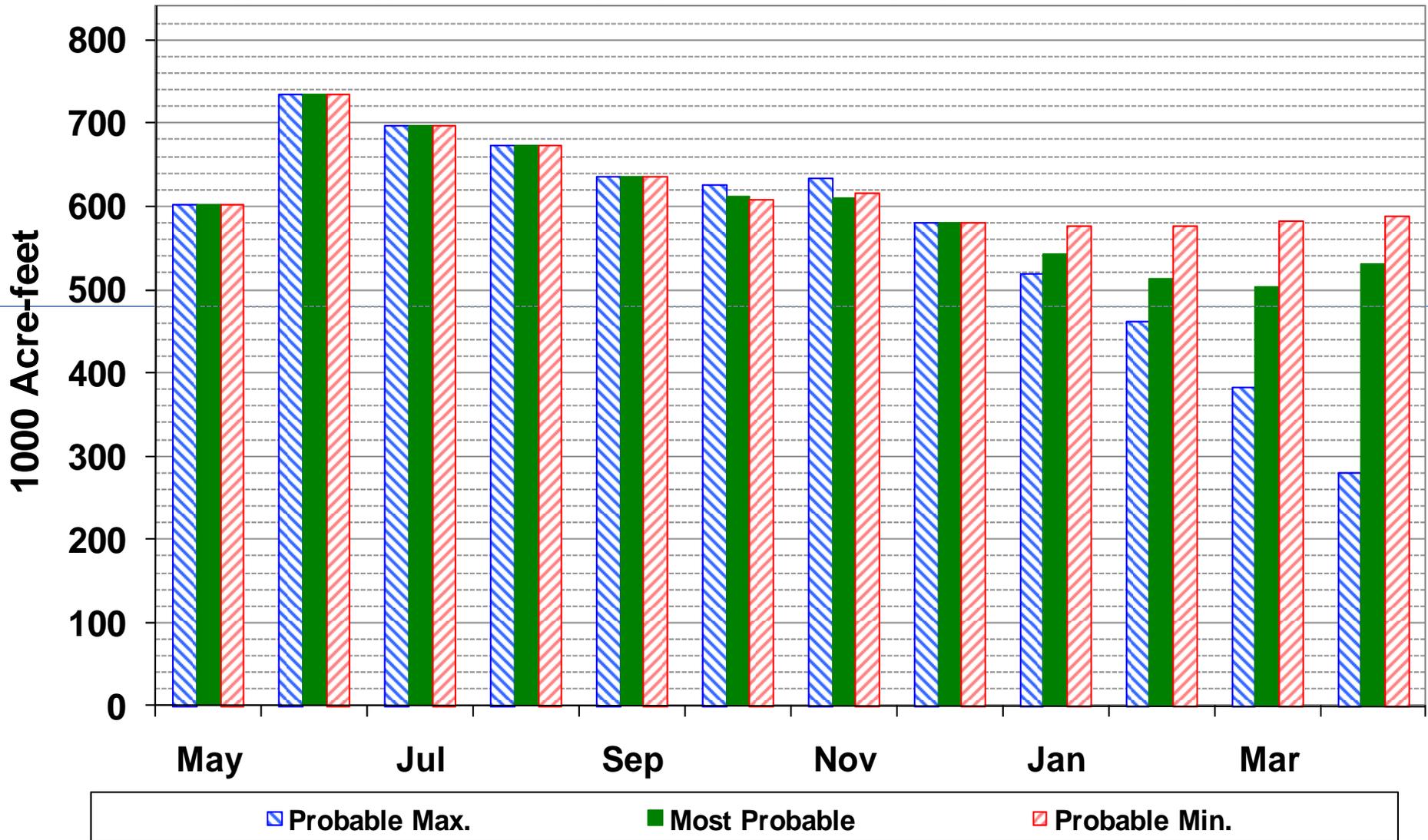
RECLAMATION

Blue Mesa Elevation End of Month

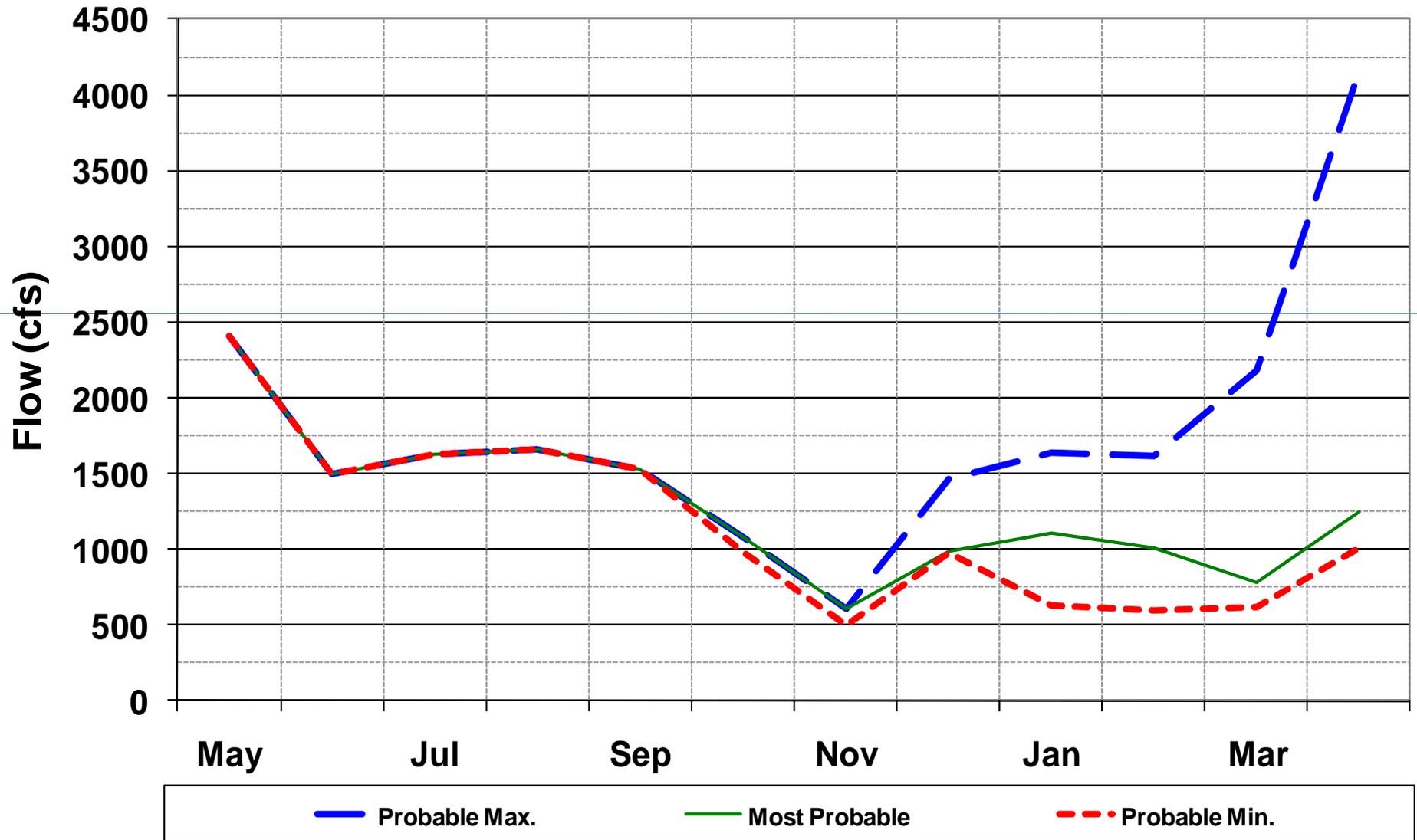


RECLAMATION

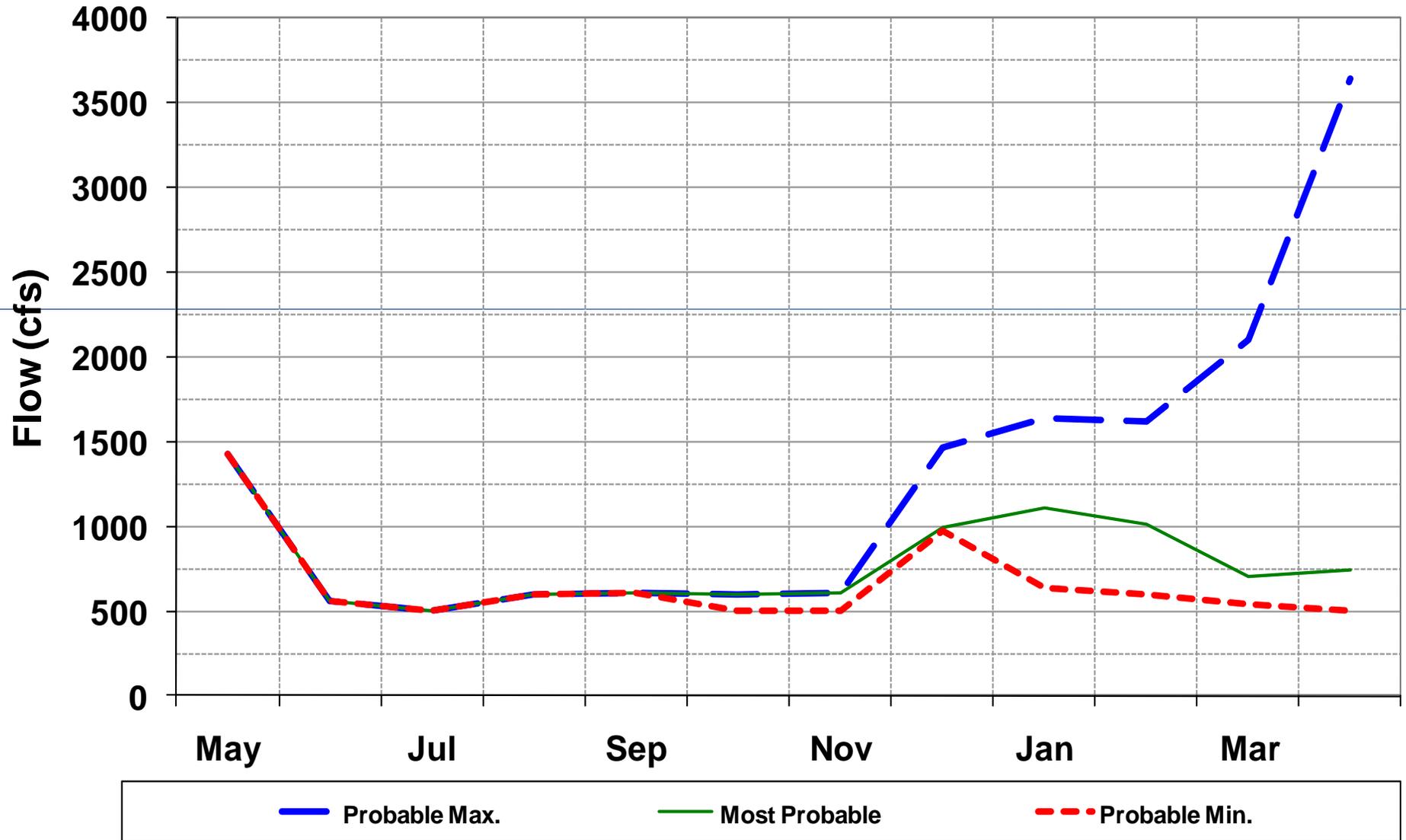
Blue Mesa Content End of Month



Crystal Release Monthly Average



Black Canyon Monthly Average



RECLAMATION



RECLAMATION