

Figure 1. Gunnison River Basin

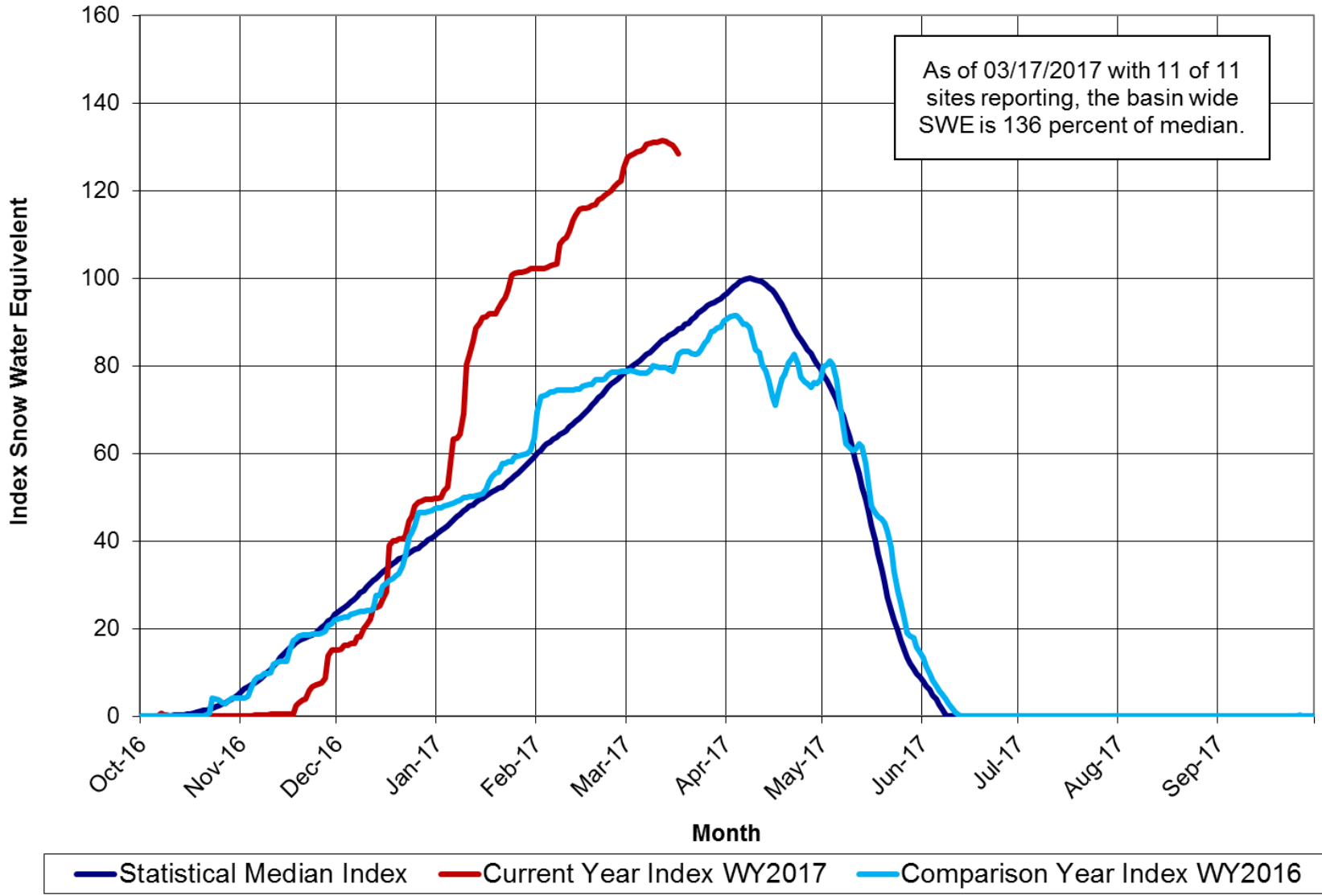
Aspinall Unit

Seasonal Operation Goals

- Fill Blue Mesa Reservoir before end of runoff.
- Operate to the 2012 Aspinall ROD at the Whitewater Gage.
- Meet the NPS Black Canyon water right peak flow.
- Meet all state water right needs on the river downstream.
- Maximize hydropower production.
- Meet Blue Mesa Reservoir End of December ice target of 7490.0 ft
- Meet flood control needs of storing water in Blue Mesa Reservoir and to avoid flooding down river in the town of Delta.
- Adjust river flows for diversion needs through the Gunnison Diversion Tunnel.
- Adjust flows for trout spawning needs in the fall and spring months.

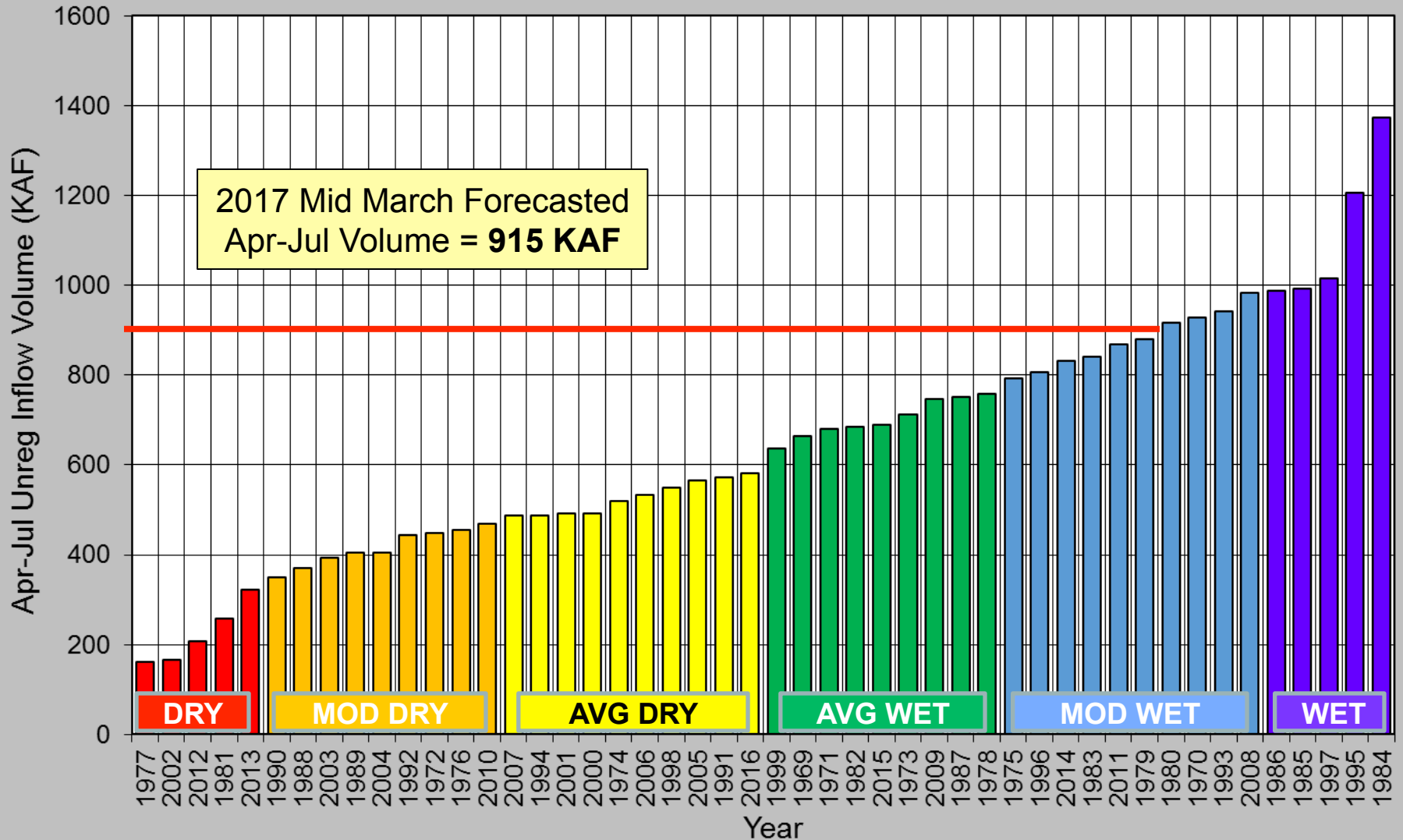
Upper Gunnison River Basin Snotel Tracking

Aggregate of 11 Snotel Sites above Crystal Reservoir

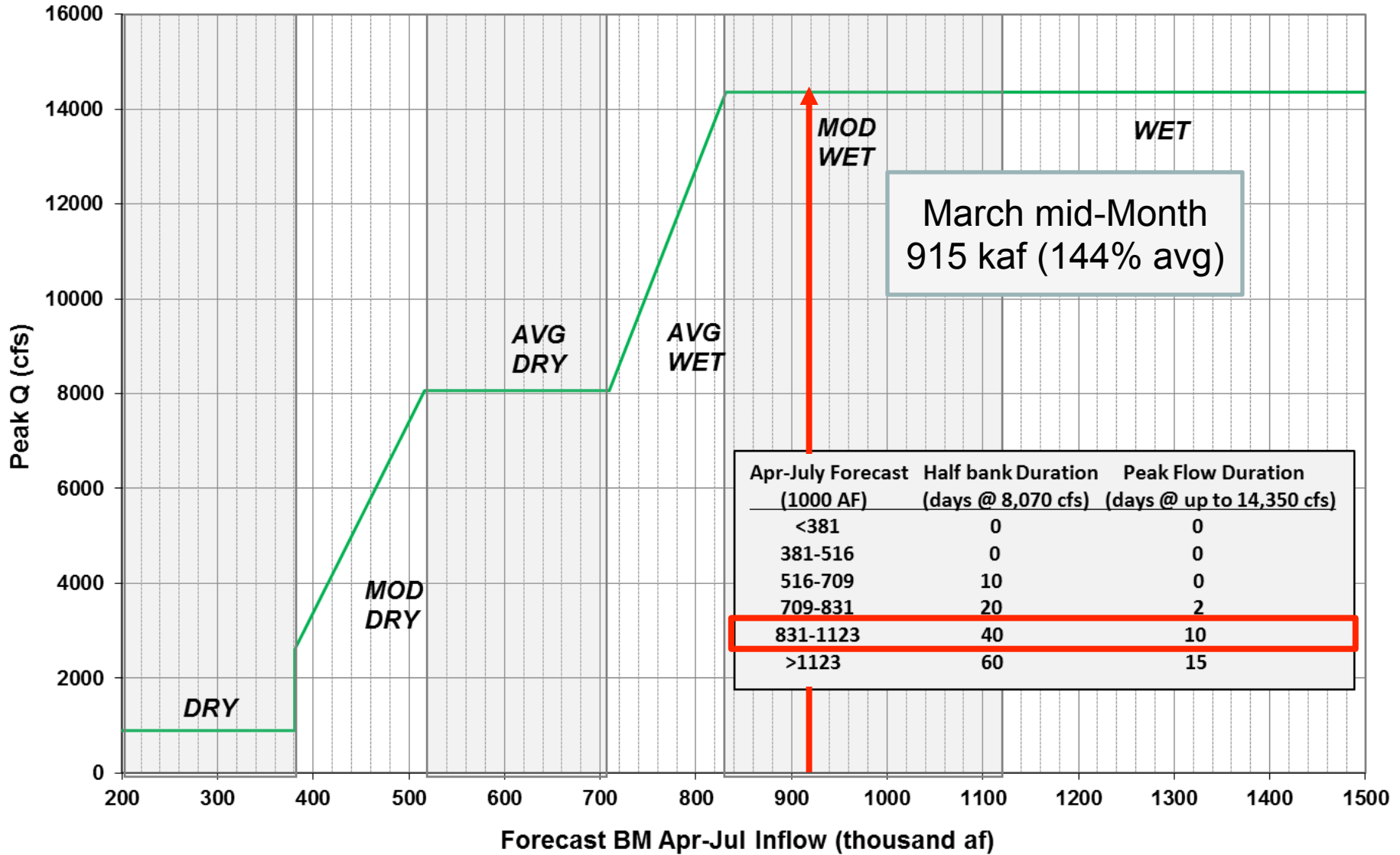


Data Provided by the Natural Resource Conservation Service

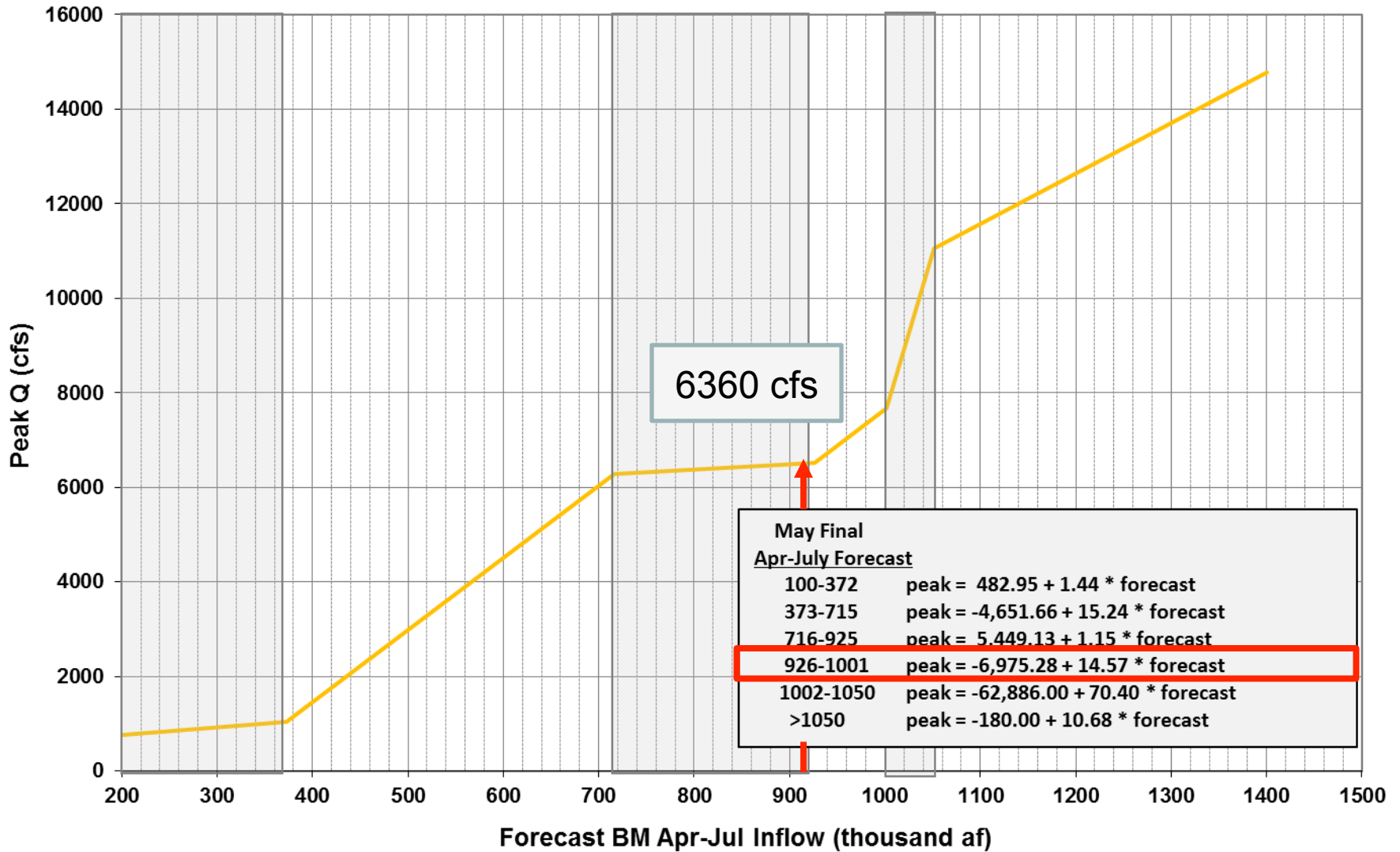
Blue Mesa Unregulated Inflow (Apr-Jul) Ranking 1969 to 2016



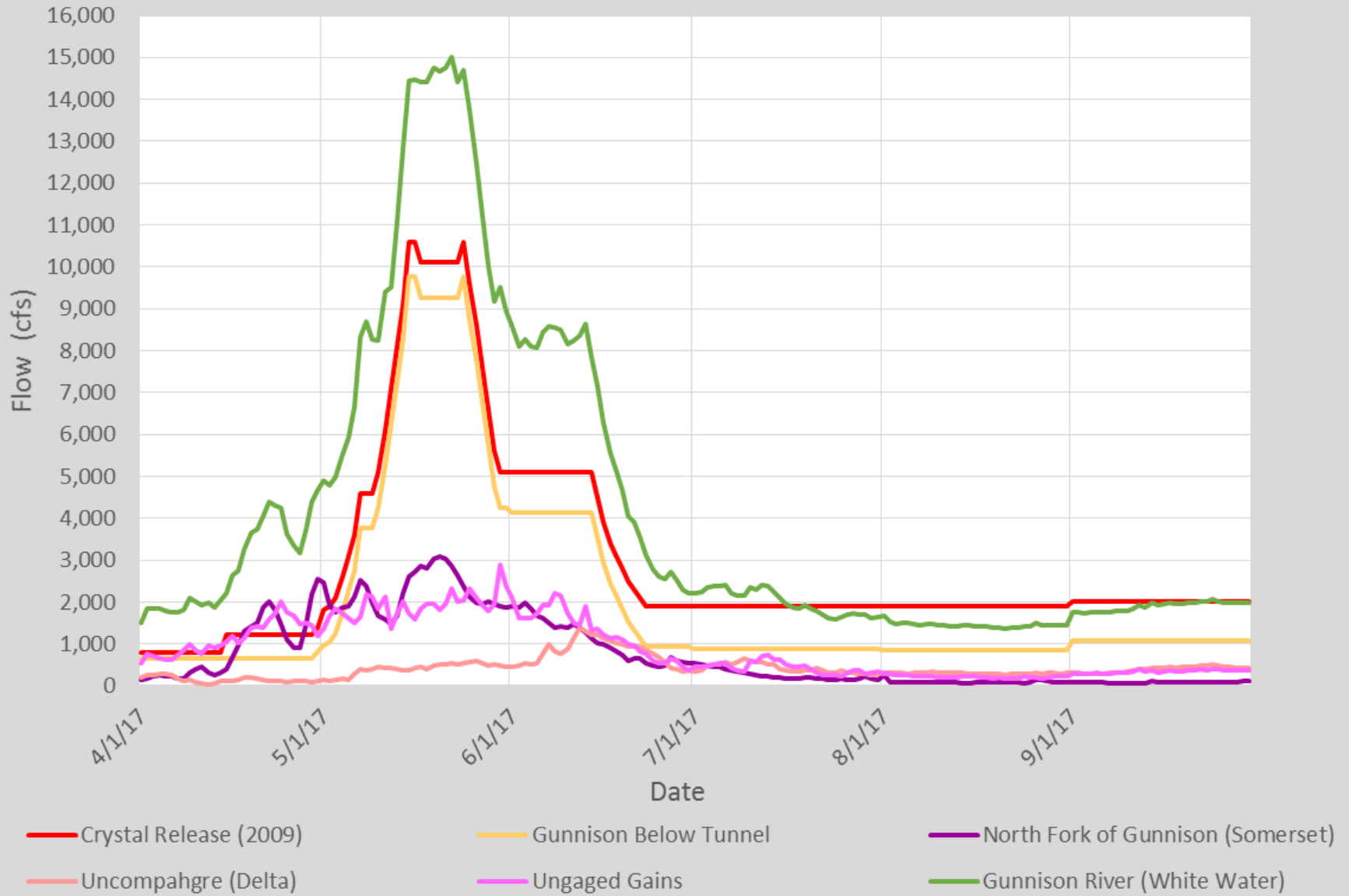
Peak Flow Target at Whitewater



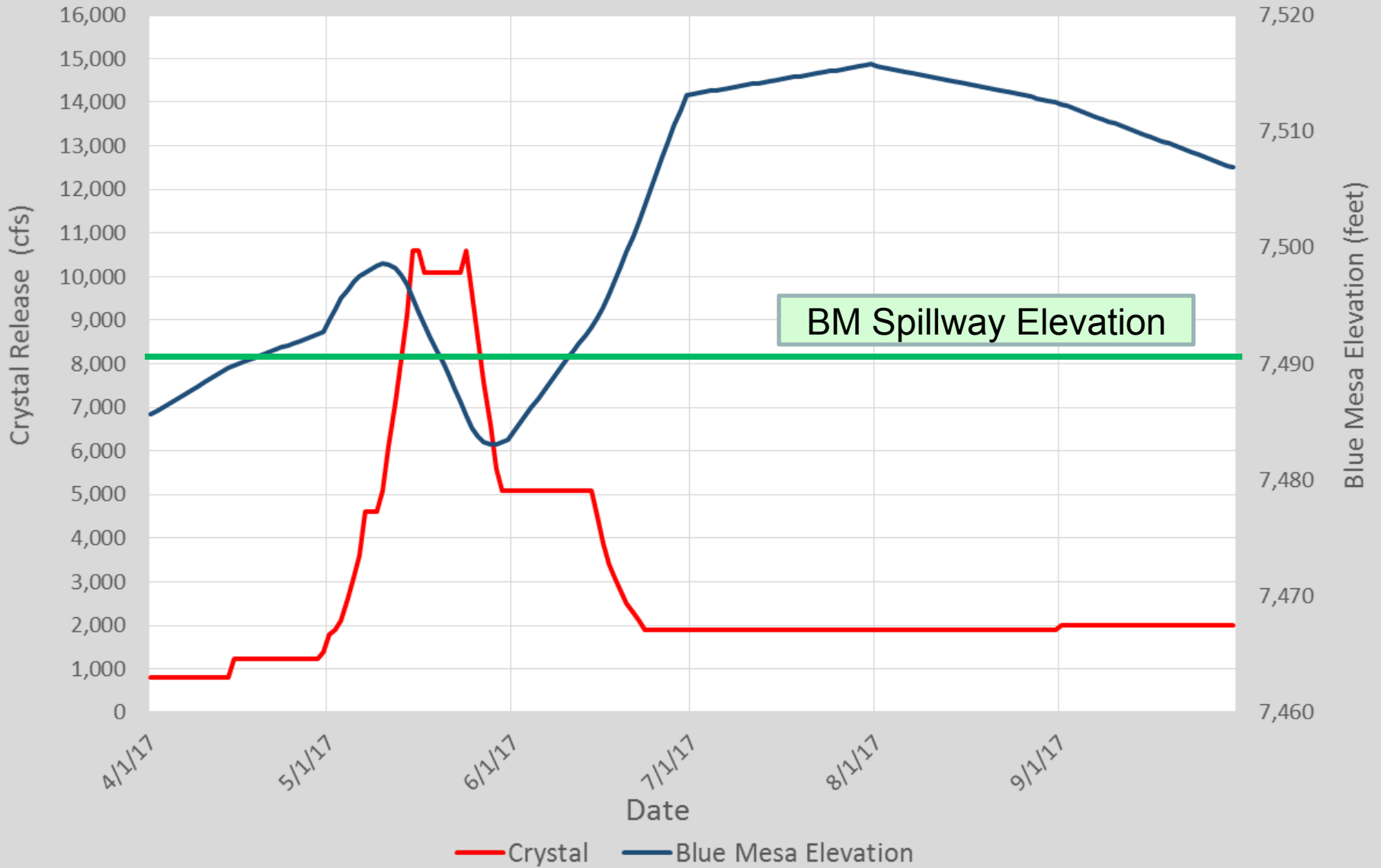
Peak Flow Target at Black Canyon



Crystal Release and Gunnison River Flows



Aspinall Unit Operations



	A	B	C	D	E	F
1	North Fork - Somerset					
2	Daily Average Forecast Flow for period ending 12z on date indicated					
3	Units: CFSD					
4					Daily Model	
5		No Paonia	Paonia Passes		First 10 Days	
6	DATE	Contribution	All Flow			
7	5/11/2016	804.39	1426.99		1730.9	Daily Model
8	5/12/2016	646.38	1146.27		1529.6	First 10 Days
9	5/13/2016	656.73	1109.08		1436.9	uses current
10	5/14/2016	893.55	1420.69		1603.8	paonia release
11	5/15/2016	1173.14	1777.34		1932.7	
12	5/16/2016	1304.73	1951.57		1998.5	Actual Forecast
13	5/17/2016	1226.77	1877.9		1828.6	on CBRFC
14	5/18/2016	1158.02	1696.46		1638.8	web site
15	5/19/2016	1199.26	1740.04		1563.6	
16	5/20/2016	1236.64	1828.69		1592.9	
17	5/21/2016	1269.55	1862.61		1862.61	ESP Model
18	5/22/2016	1247.4	1825.65		1825.65	Based on
19	5/23/2016	1242.75	1838.87		1838.87	Climatology
20	5/24/2016	1172.32	1726.89		1726.89	and Paonia
21	5/25/2016	1156.66	1773.03		1773.03	Passes All
22	5/26/2016	1096.83	1666.86		1666.86	Flow
23	5/27/2016	1038.68	1530.35		1530.35	
24	5/28/2016	1030.65	1586.2		1586.2	
25	5/29/2016	1006.58	1543.13		1543.13	

Browser tabs: [#331] Re: Sof, Re: Spring Co, DEPARTMENT, UC Snow Map, BMDC2 Wate

Address bar: www.cbrfc.noaa.gov/product/hydrofcst/csv2table.php?fname=somc2_peak/somc2_dly.csv

Navigation: Apps, Personal, Work

North Fork - Somerset

Daily Average Forecast Flow (ending 12z on given date)
Units: CFSD

DAILY LOCAL: deterministic forecast flow with no contribution from Paonia
DAILY TOTAL: deterministic forecast flow with Paonia passing flow (official forecast on CBRFC website)
ESP LOCAL: 50% exceedance forecast flow based on climatology with no contribution from Paonia
ESP TOTAL: 50% exceedance forecast flow based on climatology with Paonia passing flow

DATE	LOCAL	TOTAL	
2016-05-25	1197.1	1759.4	Daily Model Output
2016-05-26	1085.7	1624.4	
2016-05-27	938.7	1384.3	
2016-05-28	1077.4	1223.8	
2016-05-29	1168.8	1218.8	
2016-05-30	1021.2	1071.2	
2016-05-31	963.8	1013.8	
2016-06-01	954.6	1004.6	
2016-06-02	964.6	1014.7	
2016-06-03	931.6	981.6	
2016-06-04	1038.3	1595.1	ESP Model Output
2016-06-05	1042.6	1602.9	
2016-06-06	1015.7	1536.2	
2016-06-07	1072.7	1595.5	