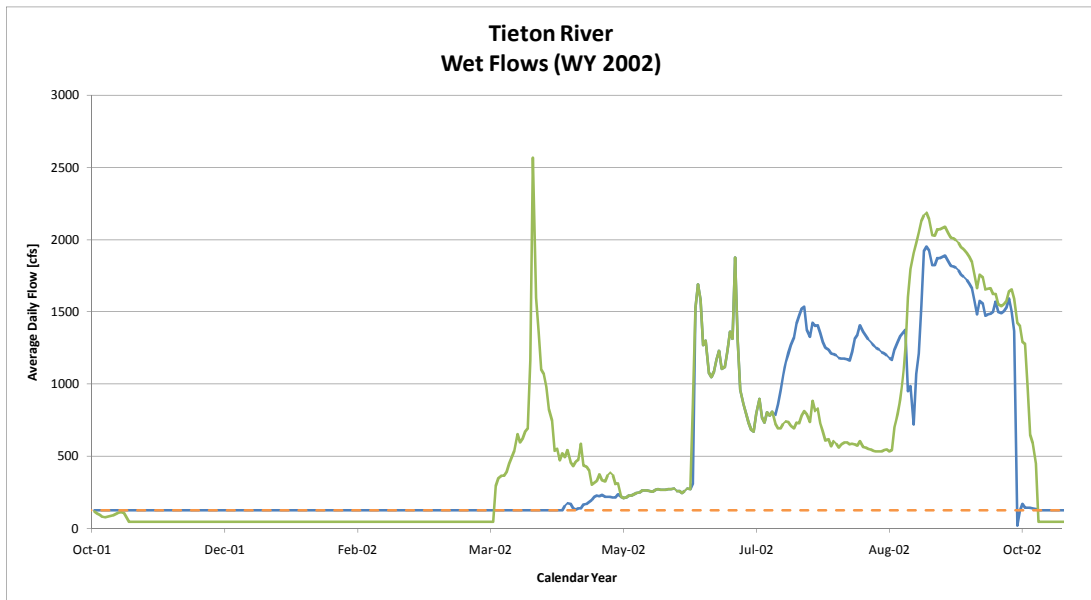
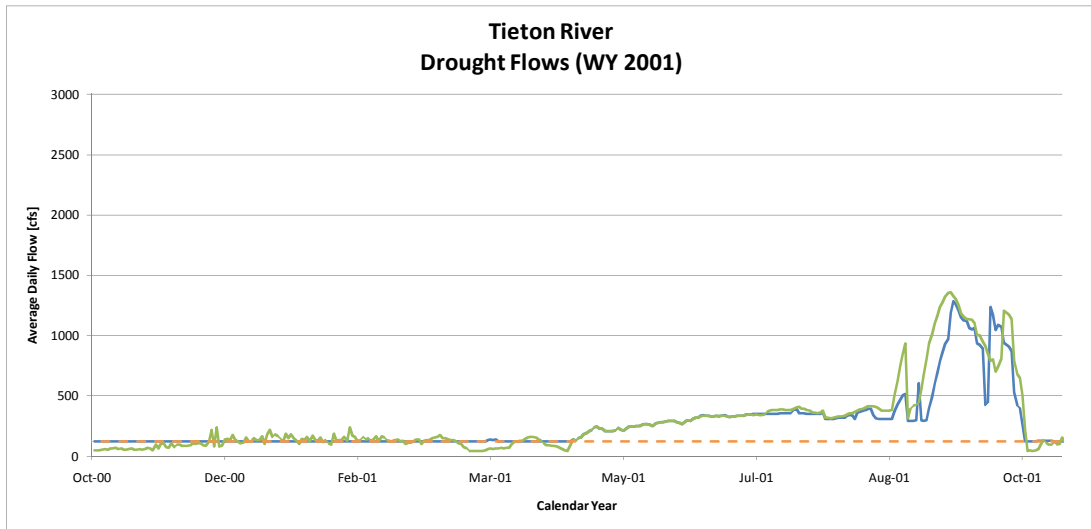
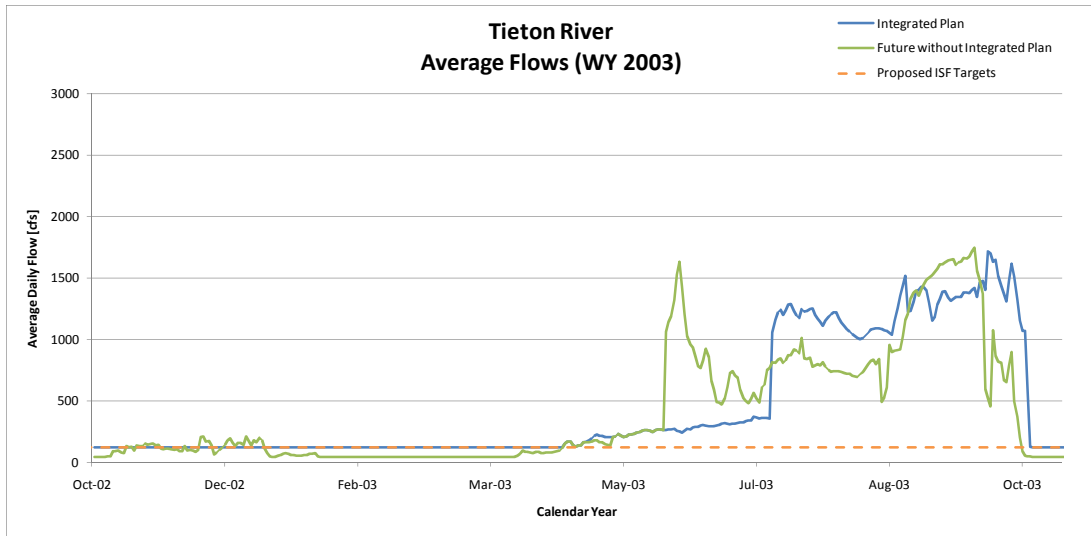


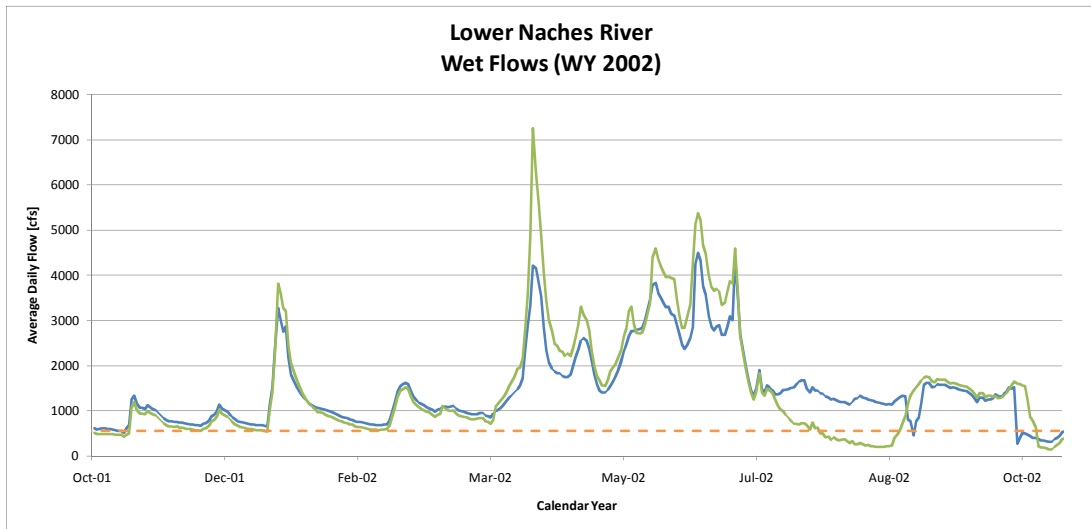
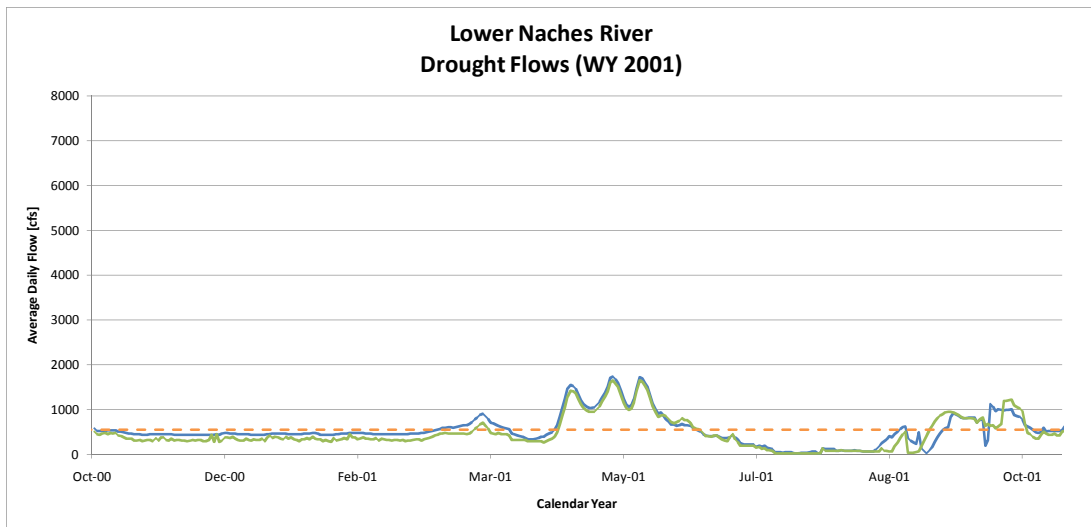
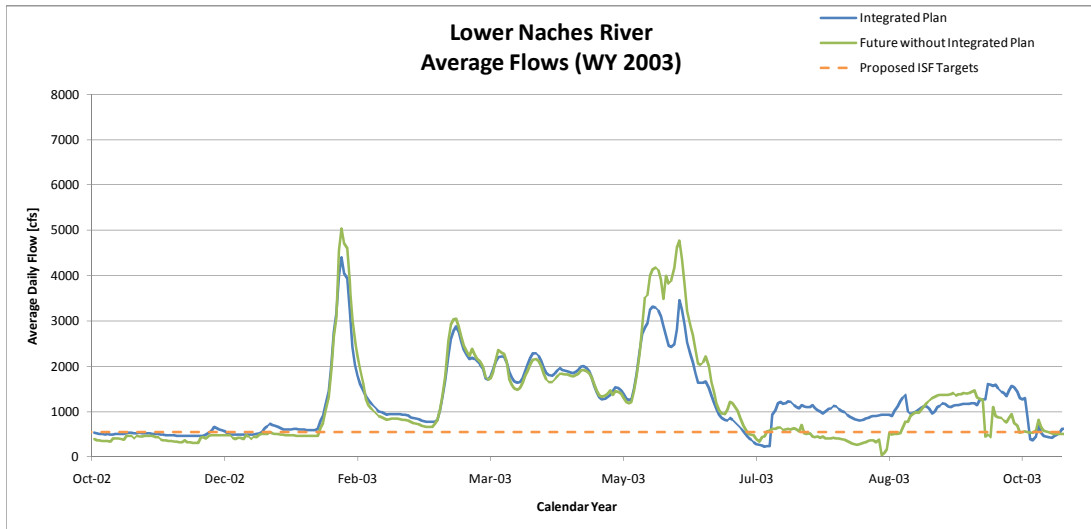
Resource indicator (measurement)	Integrated Plan	Future without Integrated Plan
WATER RESOURCES		
<i>Average for water years 1981–2005 (maf)</i>		
Water supply		
April 1 total water supply available (TWSA)	2.99	2.84
Water distribution		
April–September Parker flow volume	0.59	0.60
April–September diversion	1.64	1.62
September 30 reservoir contents	0.58	0.32
April–September flow volume at mouth of Yakima River	0.99	0.84
<i>1994 dry-year (maf)</i>		
Water supply		
April 1 TWSA	2.13	1.78
Water distribution		
April–September Parker flow volume	0.24	0.28
April–September diversion	1.51	1.25
September 30 reservoir contents	-0.11	0.12
April–September flow volume at mouth of Yakima River	0.47	0.35
Irrigation proration level	65%	26%

Resource indicator (measurement)	Integrated Plan	Future without Integrated Plan
ANADROMOUS FISH		
<i>Rate of change in flow during flip-flop (average cfs/day August 16–September 14)</i>		
Easton reach	2	-9
Ellensburg reach	-36	-78
Lower Naches River reach	-4	31
<i>Pre- (August 1-15) and post- (September 14-28) flip-flop flow and absolute change in flow</i>		
Easton reach		
Pre-flip-flop flow (cfs)	369	600
Post-flip-flop flow (cfs)	416	346
Absolute change in flow (cfs)	46	-254
Ellensburg reach		
Pre-flip-flop flow (cfs)	2,723	3,795
Post-flip-flop flow (cfs)	1,665	1,539
Absolute change in flow (cfs)	-1,058	-2,256
Lower Naches River reach		
Pre-flip-flop flow (cfs)	1,382	736
Post-flip-flop flow (cfs)	1,256	1,633
Absolute change in flow (cfs)	-126	897
Average, minimum, and maximum reservoir elevation (feet) during bull trout spawning migration: July 15–September 15 (feet)		
Kachess Lake	2238.53 2130.69-2261.96	2243.46 2202.99-2261.96
Keechelus Lake	2478.59 2432.52-2516.96	2470.11 2433.08-2516.88
Rimrock Lake	2896.99 2806.9-2926	2911.91 2870.33-2926

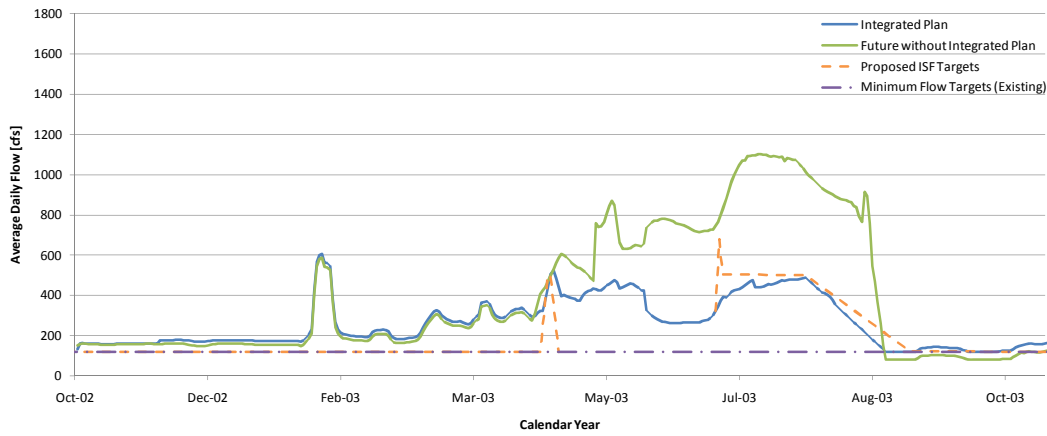
Hydrologic Indicator	Integrated Plan					Future without Integrated Plan				
	Average 1981-2005	Drought Year 1994	Drought Year 2001	Drought Year 2005	Wet Year 1997	Average 1981-2005	Drought Year 1994	Drought Year 2001	Drought Year 2005	Wet Year 1997
April 1 TWSA (maf)	2.99	2.13	2.09	2.37	4.73	2.84	1.78	1.85	1.81	4.56
April-September flow volume at Parker gage (kaf)	590	242	194	182	1915	599	276	208	200	1907
March-October flow volume at Parker gage (kaf)	907	396	346	301	2669	905	434	347	325	2602
April-September diversion volume upstream of Parker gage (maf)	1.64	1.51	1.52	1.55	1.68	1.62	1.25	1.33	1.31	1.71
September 30 non- Bumping or Wymer reservoir contents (kaf)	369	-180	125	60	731	299	102	132	153	589
October 31 non- Bumping or Wymer reservoir contents (kaf)	349	-153	120	56	802	286	95	129	143	698
September 30 Bumping and Wymer reservoir contents (kaf)	209	65	107	105	244	13	10	11	5	17
April-September flow volume at mouth of Yakima River (kaf)	993	471	392	418	2390	843	348	258	285	2216
Irrigation proration level (percent) ¹	91%	65%	64%	70%	100%	84%	26%	39%	38%	100%

Item	Future without Integrated Plan	Integrated Plan	Improvement
Average 1981-2005			
TWSA [April 1, kaf]	2835.4	2989.3	153.9
March-October flow volume at Parker gage [kaf]	905.4	906.6	1.2
Drought Year 1994			
TWSA [April 1, kaf]	1784.2	2127.5	343.3
March-October flow volume at Parker gage [kaf]	434.4	396.4	-37.9
Drought Year 2001			
TWSA [April 1, kaf]	1846.1	2089.8	243.7
March-October flow volume at Parker gage [kaf]	347.1	346.0	-1.1
Drought Year 2005			
TWSA [April 1, kaf]	1813.5	2369.6	556.1
March-October flow volume at Parker gage [kaf]	324.6	301.4	-23.2
Wet Year 1997			
TWSA [April 1, kaf]	4555.6	4727.5	171.9
March-October flow volume at Parker gage [kaf]	2601.5	2669.2	67.7

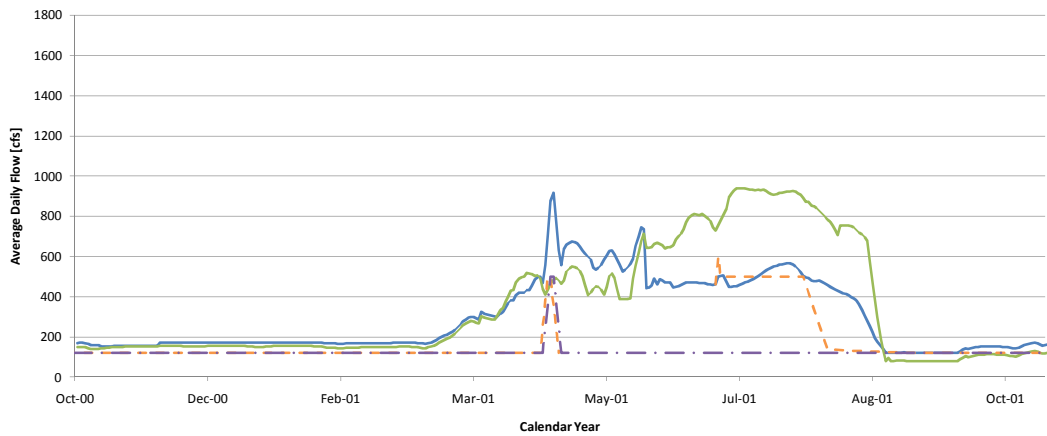




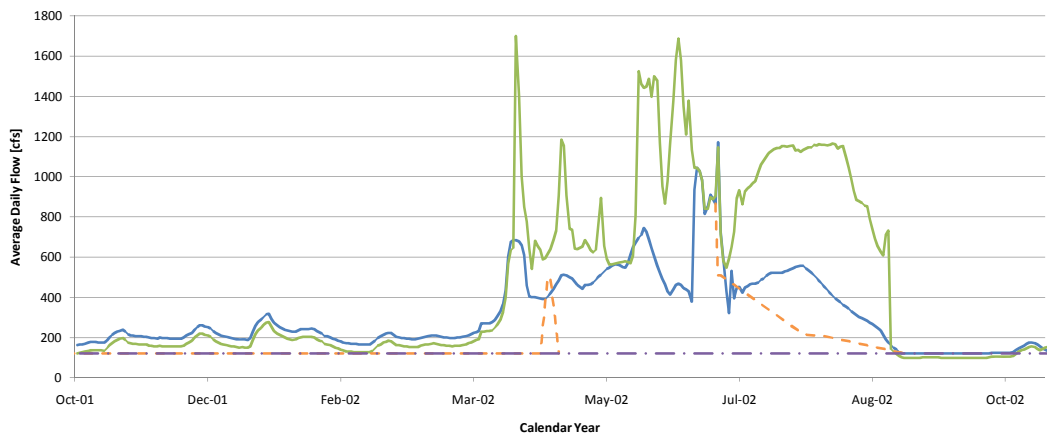
Yakima River, Keechelus Reservoir to Lake Easton Reach
Average Flows (WY 2003)

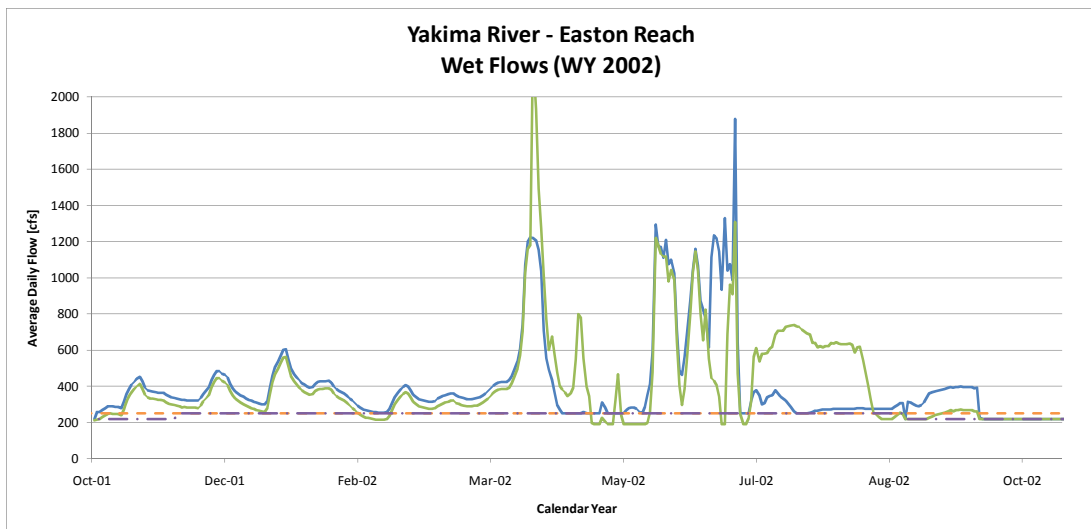
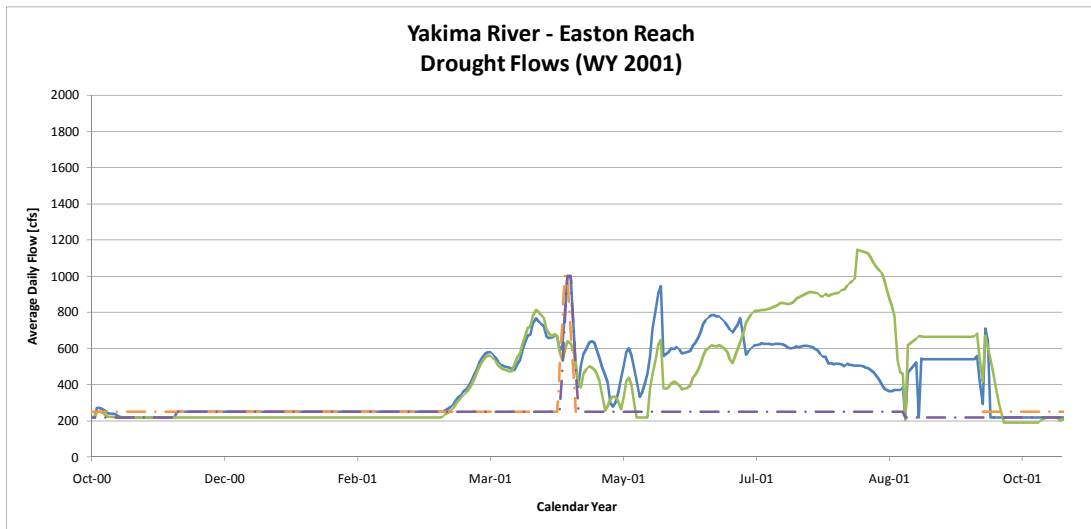
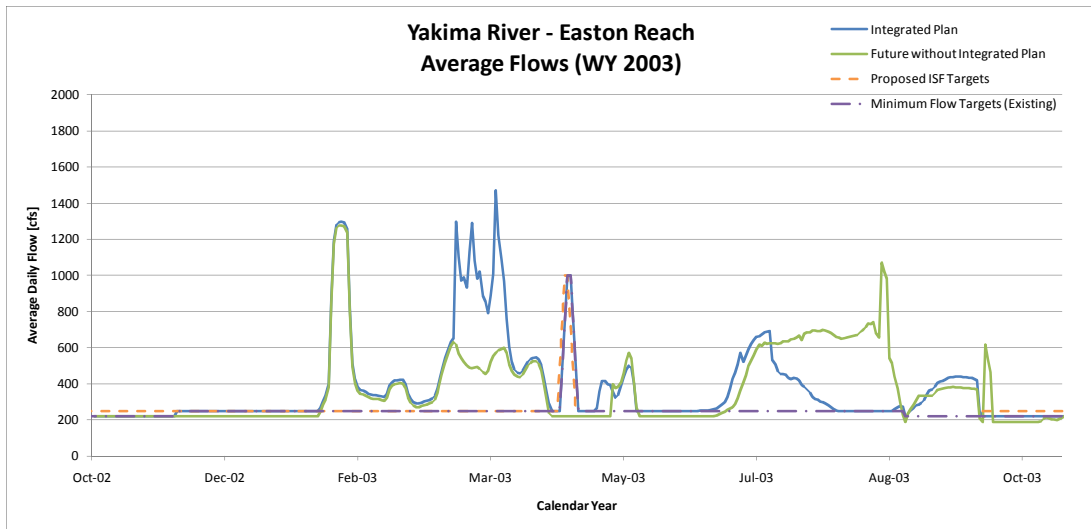


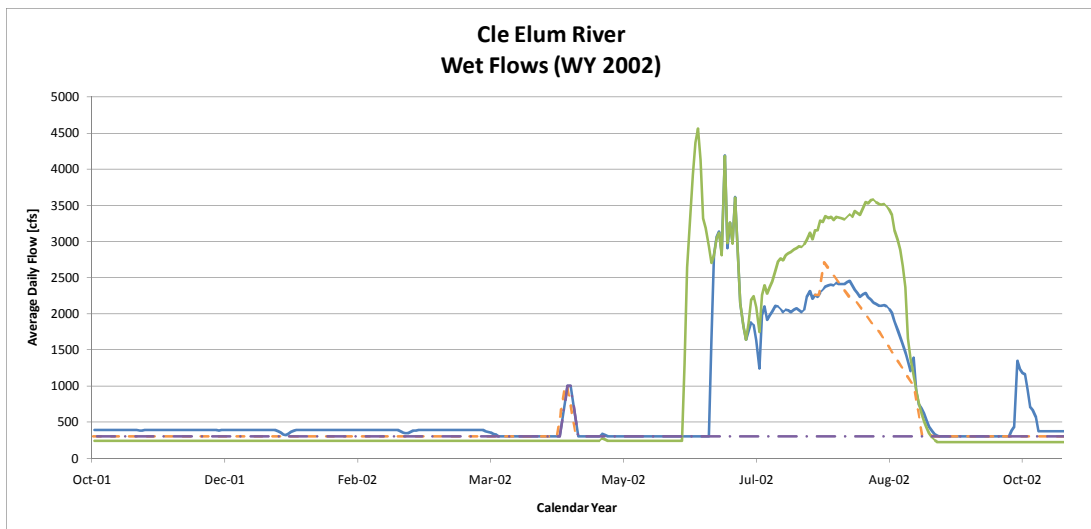
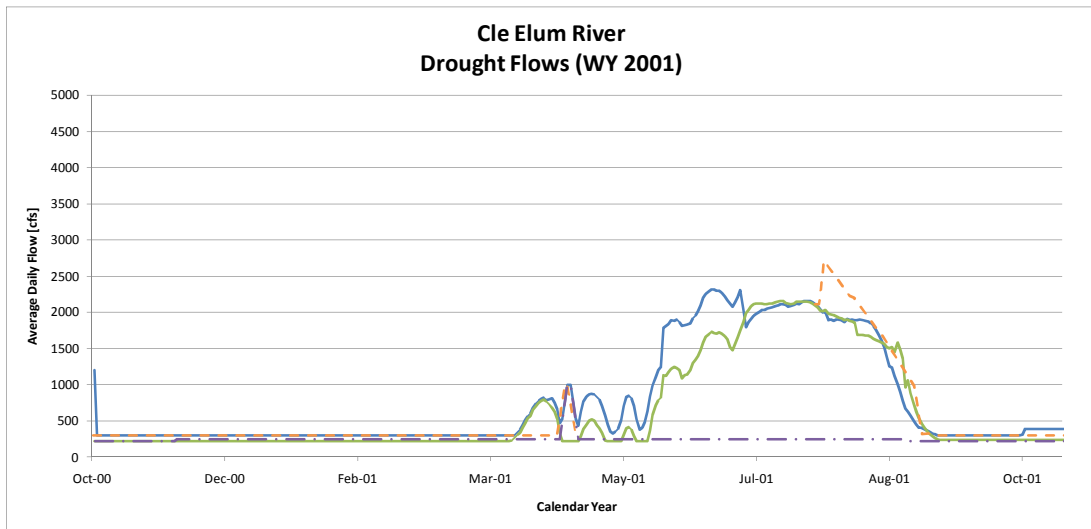
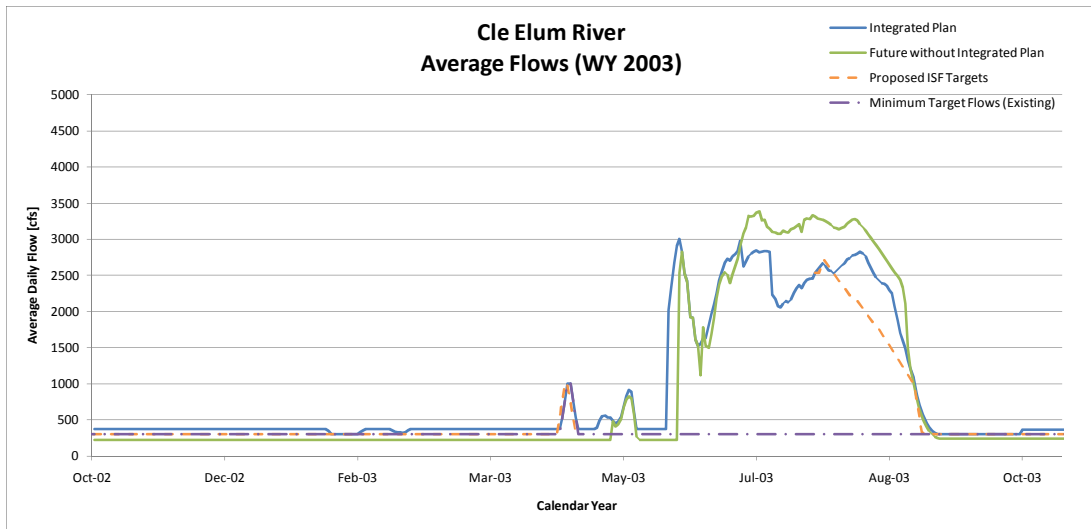
Yakima River, Keechelus Reservoir to Lake Easton Reach
Drought Flows (WY 2001)

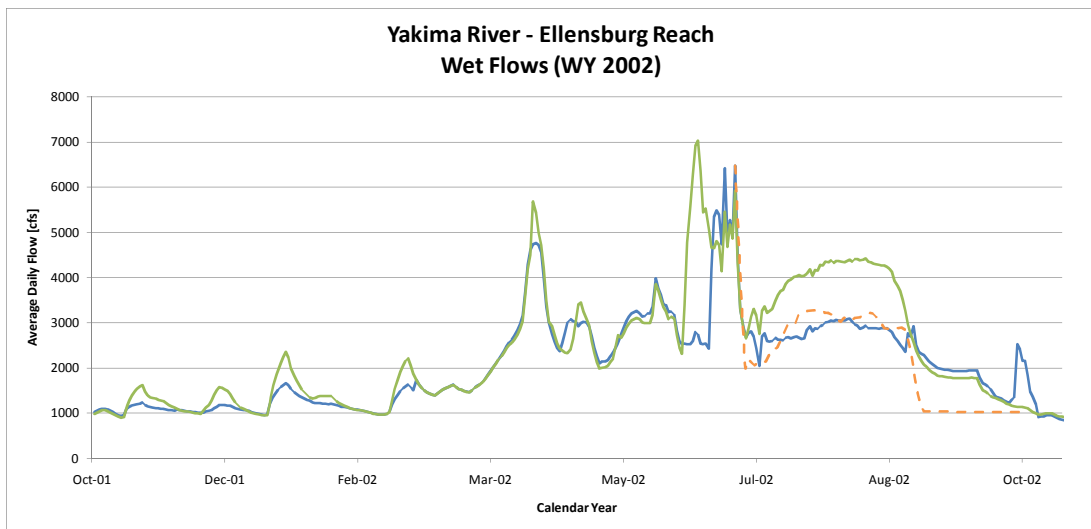
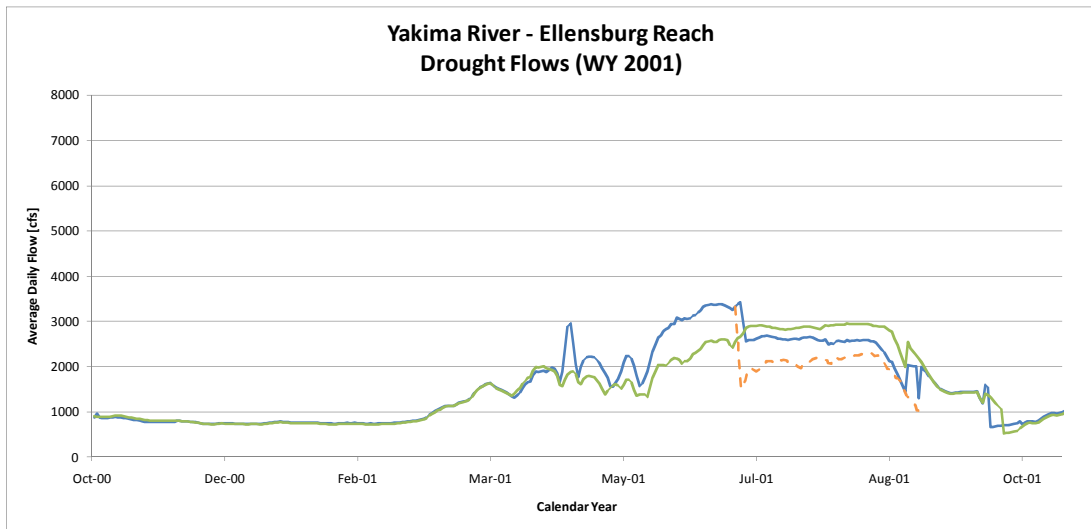
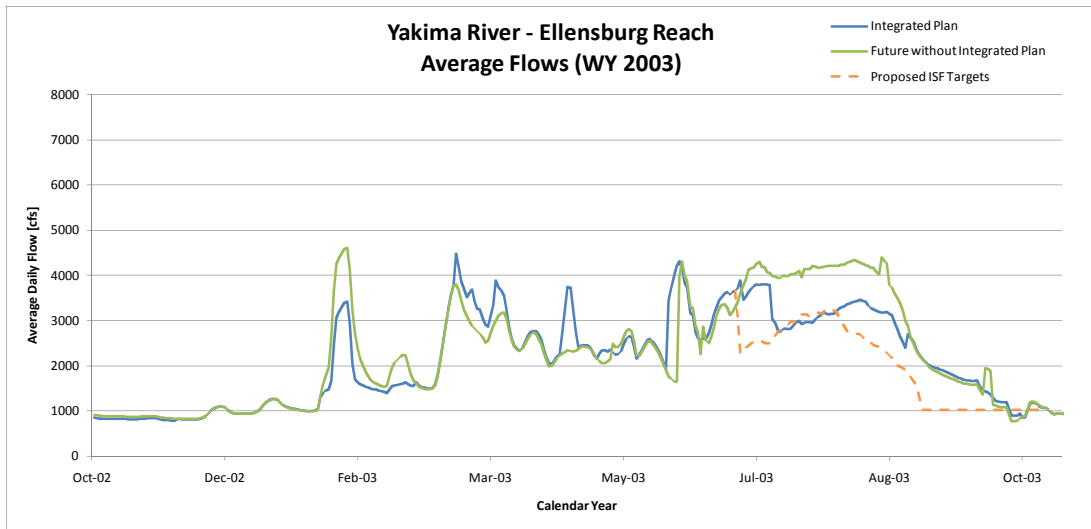


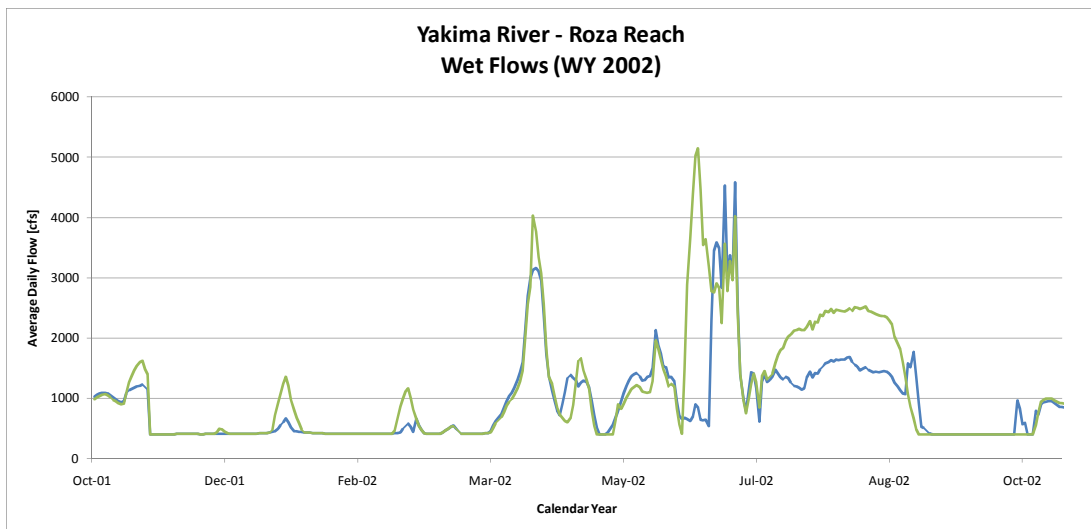
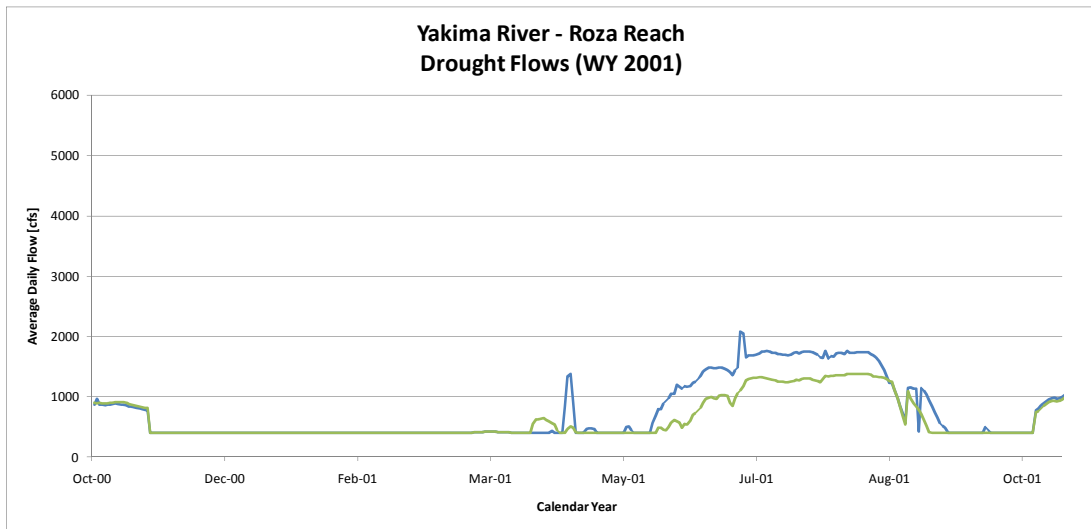
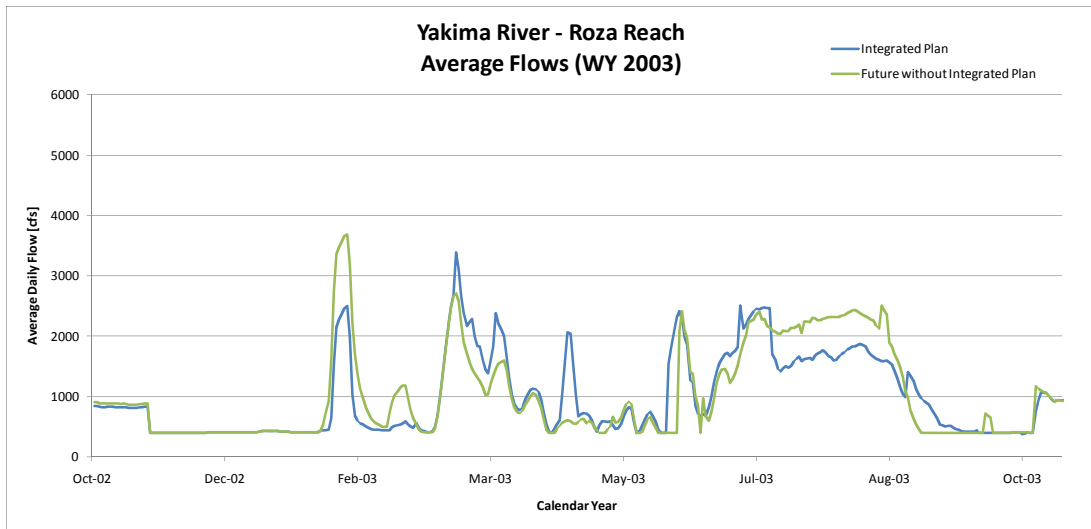
Yakima River, Keechelus Reservoir to Lake Easton Reach
Wet Flows (WY 2002)

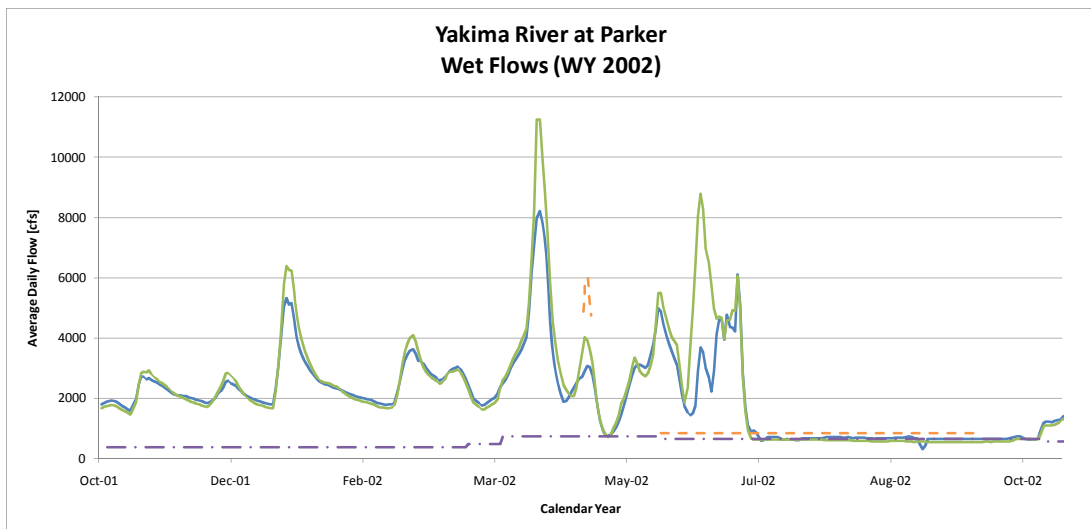
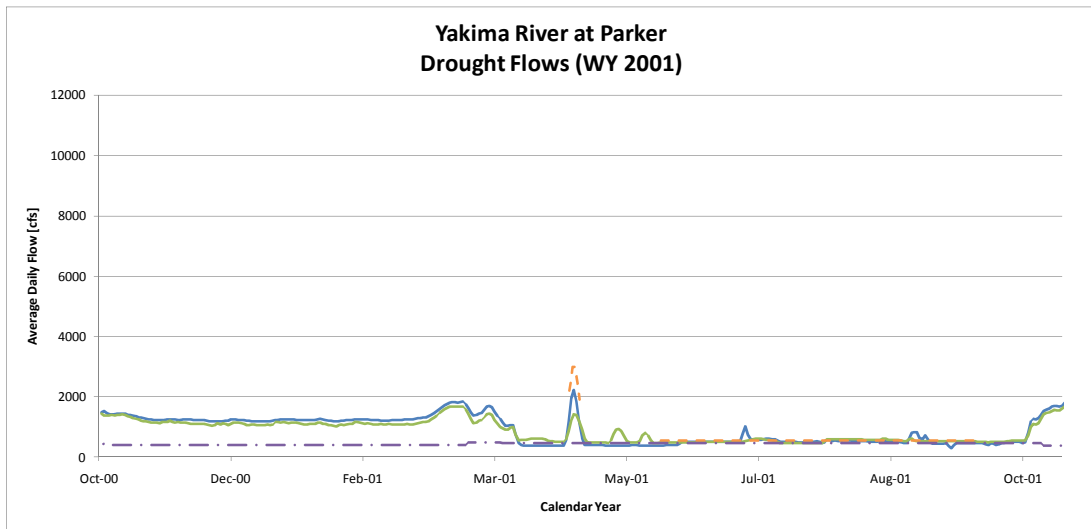
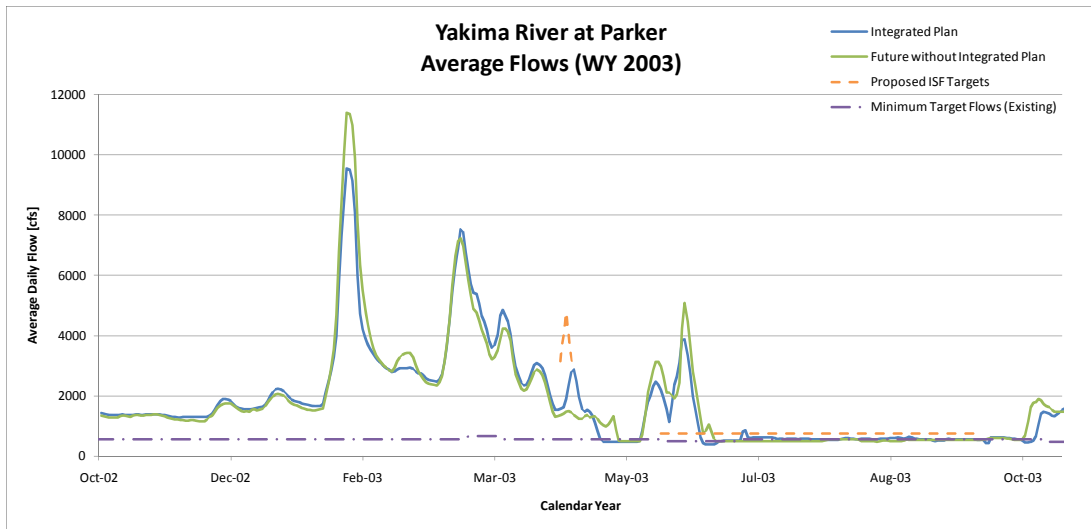




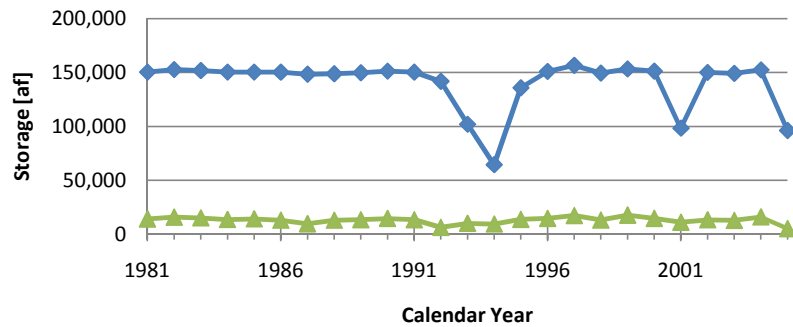




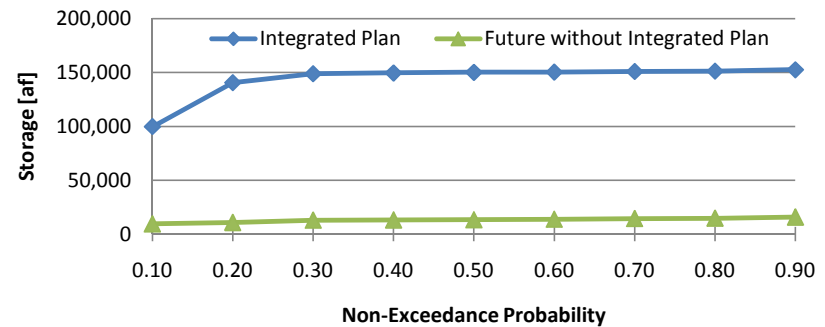




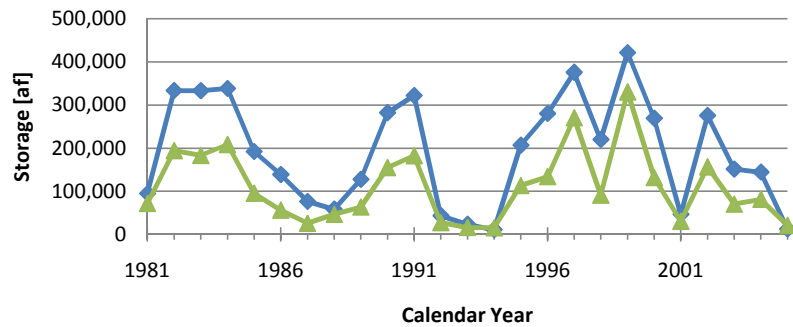
**Bumping Reservoir
September End of Month Storage**



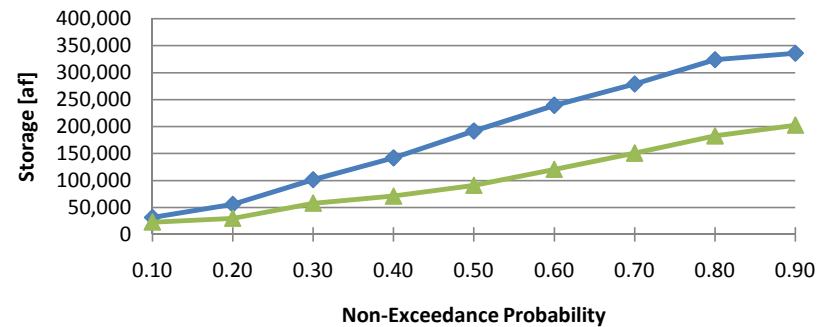
**Bumping Reservoir
September End of Month Storage**



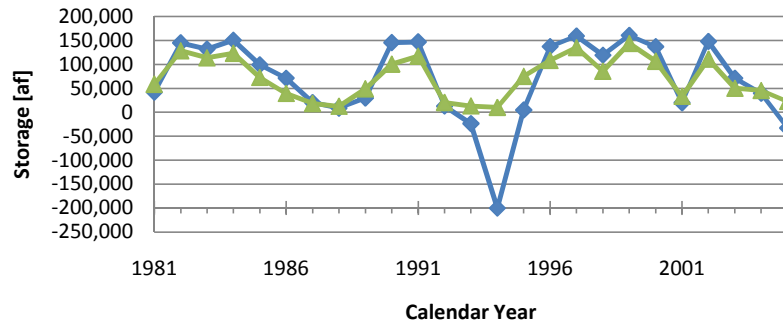
**Cle Elum Reservoir
September End of Month Storage**



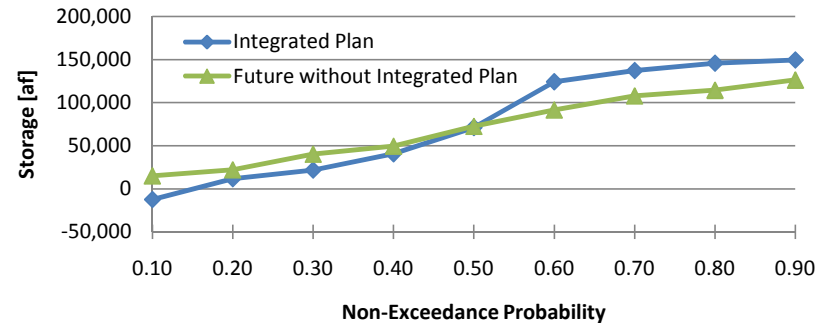
**Cle Elum Reservoir
September End of Month Storage**



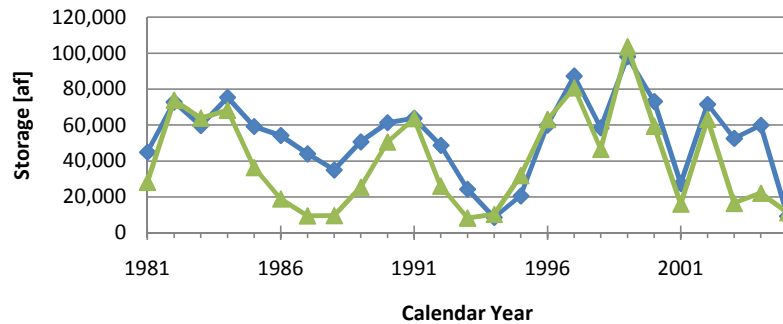
Kachess Reservoir September End of Month Storage



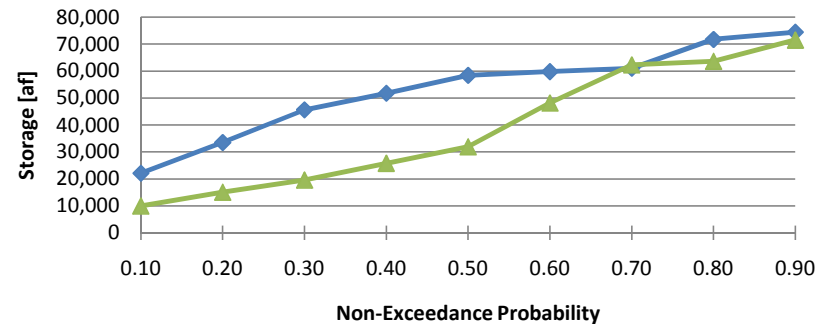
Kachess Reservoir September End of Month Storage



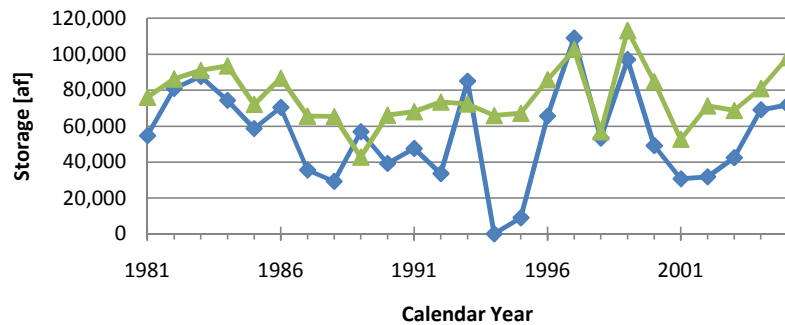
Keechelus Reservoir September End of Month Storage



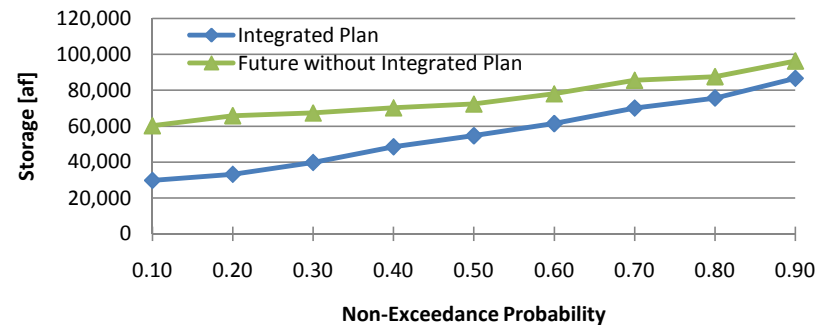
Keechelus Reservoir September End of Month Storage



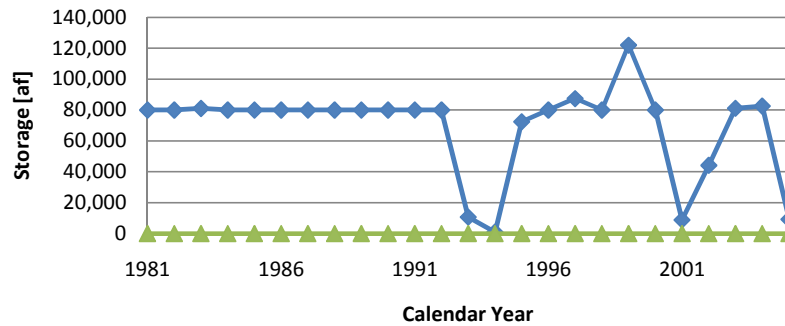
Rimrock Reservoir
September End of Month Storage



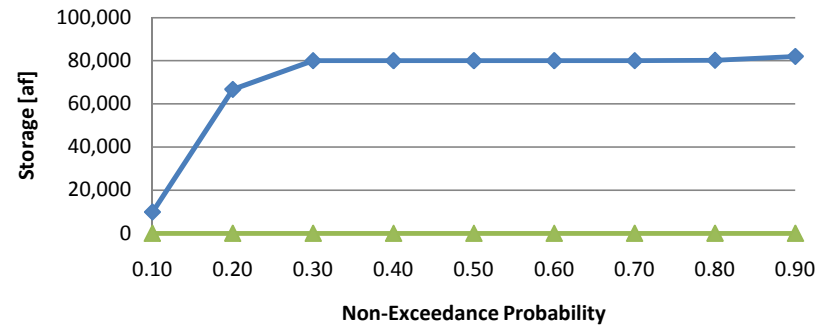
Rimrock Reservoir
September End of Month Storage



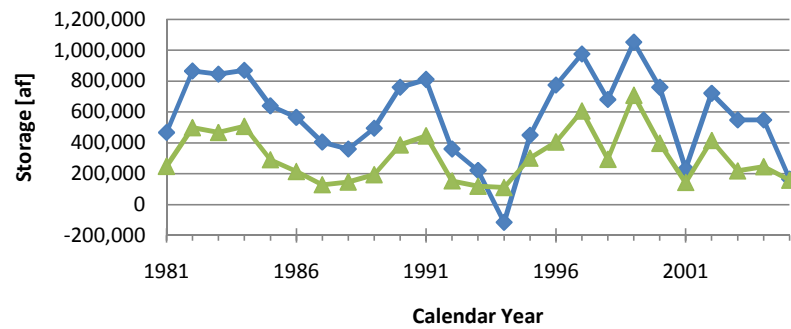
Wymer Reservoir
September End of Month Storage



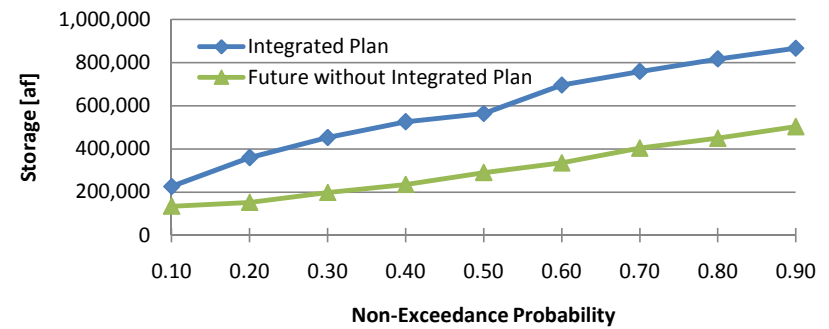
Wymer Reservoir
September End of Month Storage



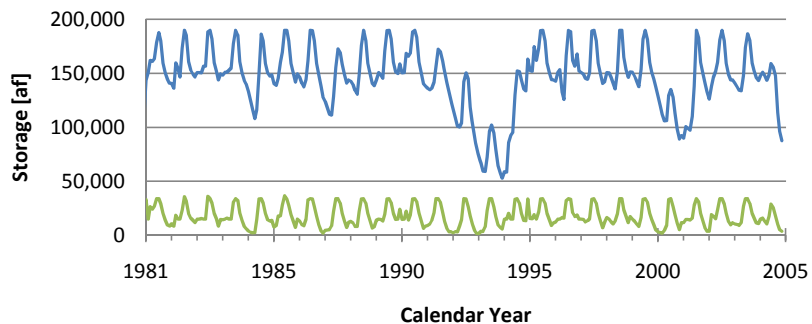
All Reservoirs September End of Month Storage



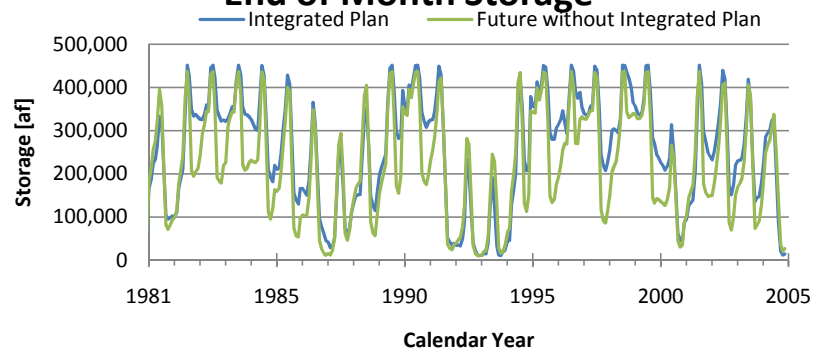
All Reservoirs September End of Month Storage



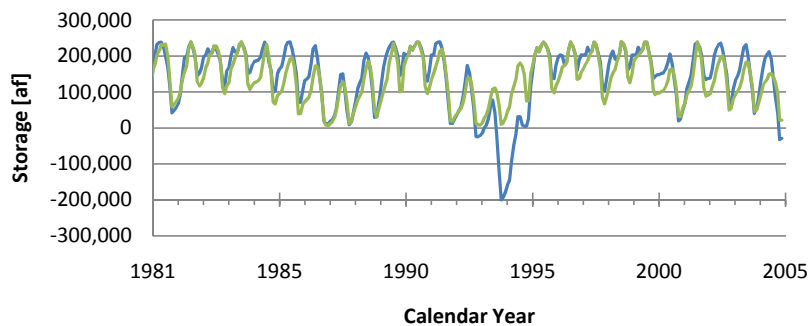
Bumping Reservoir End of Month Storage



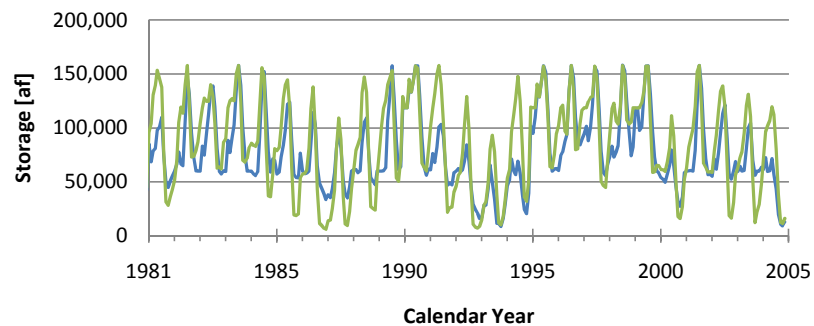
Cle Elum Reservoir End of Month Storage



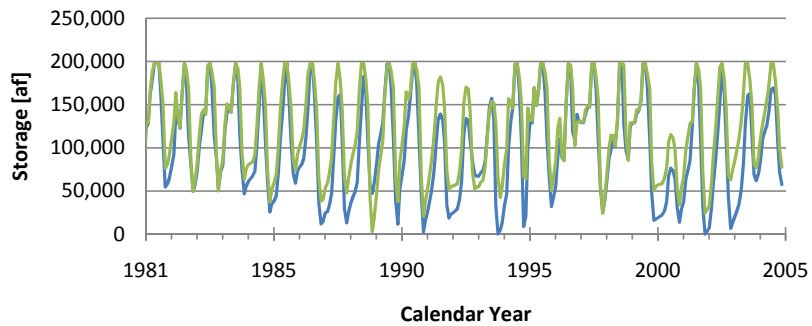
Kachess Reservoir End of Month Storage



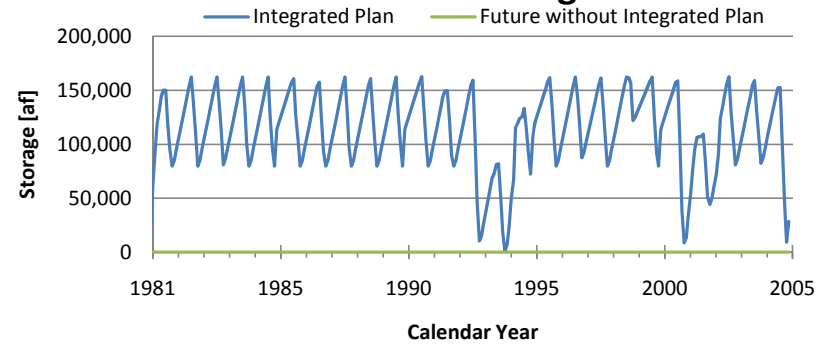
Keechelus Reservoir End of Month Storage



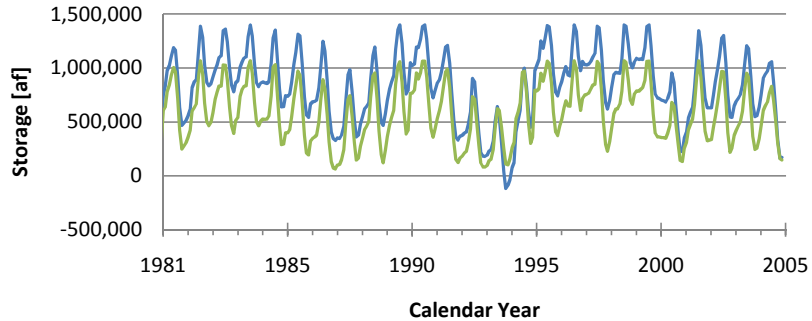
Rimrock Reservoir End of Month Storage



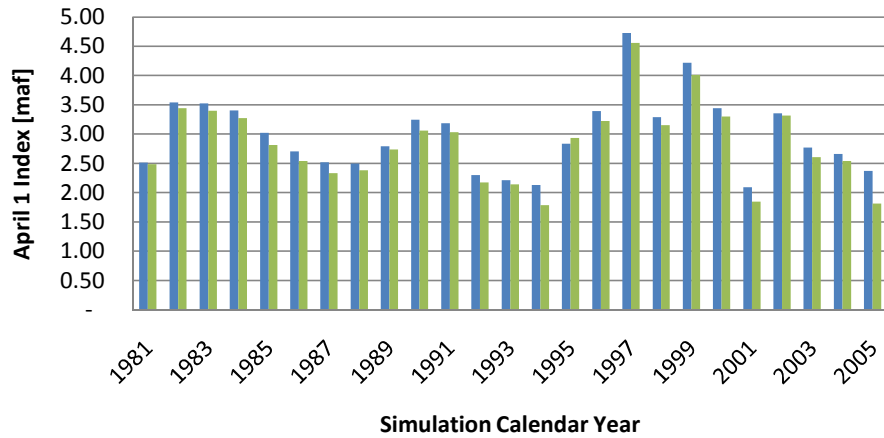
Wymer Reservoir End of Month Storage



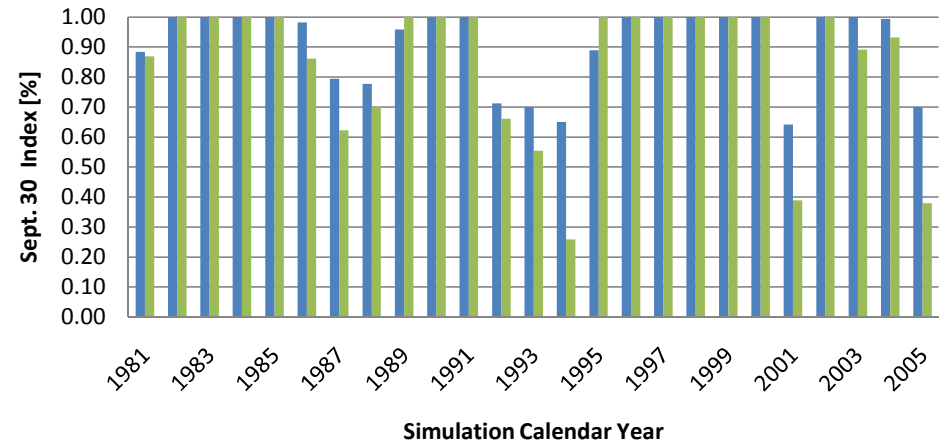
All Reservoirs End of Month Storage



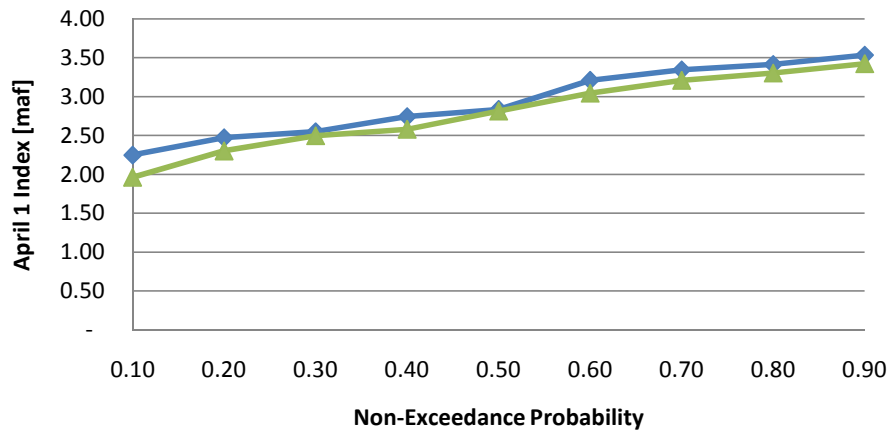
Water Supply Index: TWSA



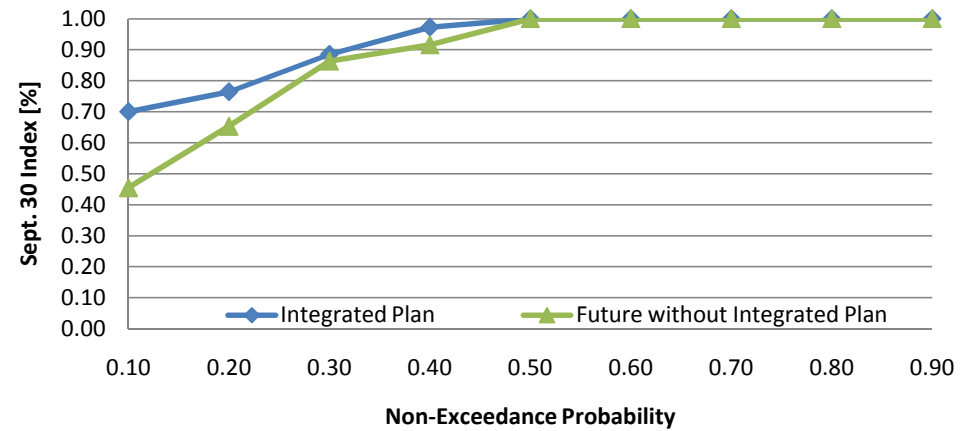
Water Supply Index: Proration

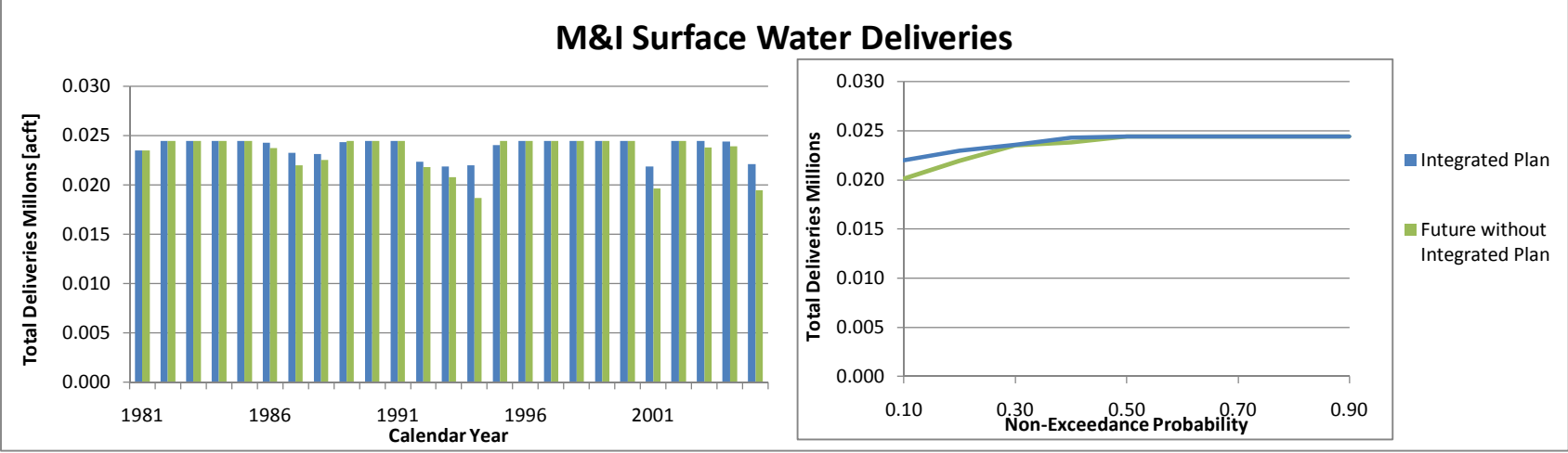
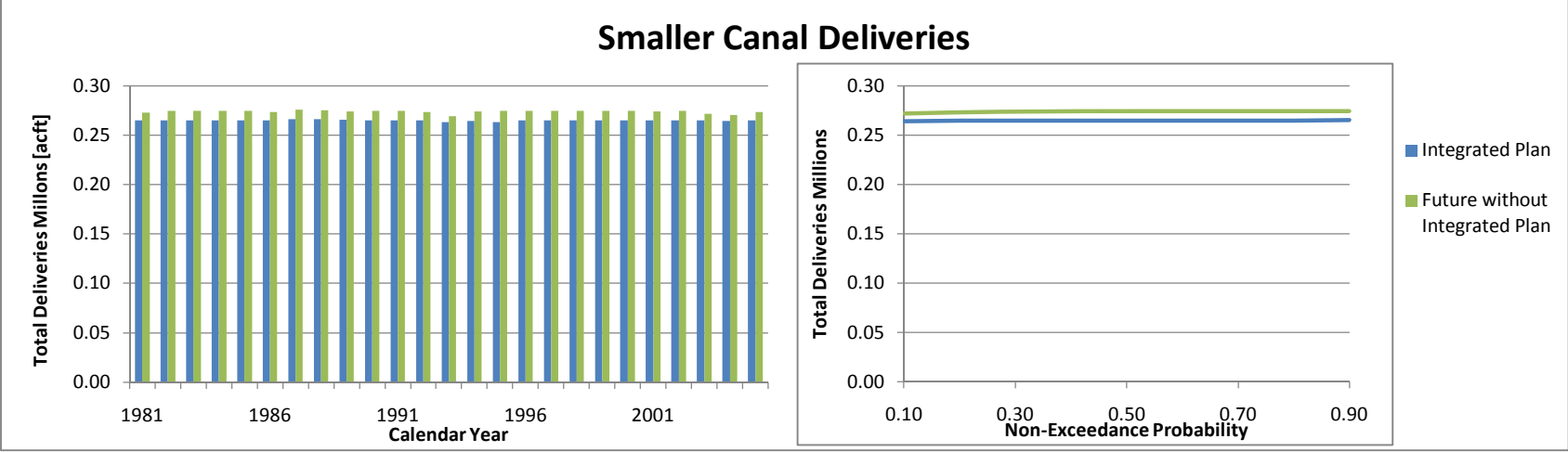
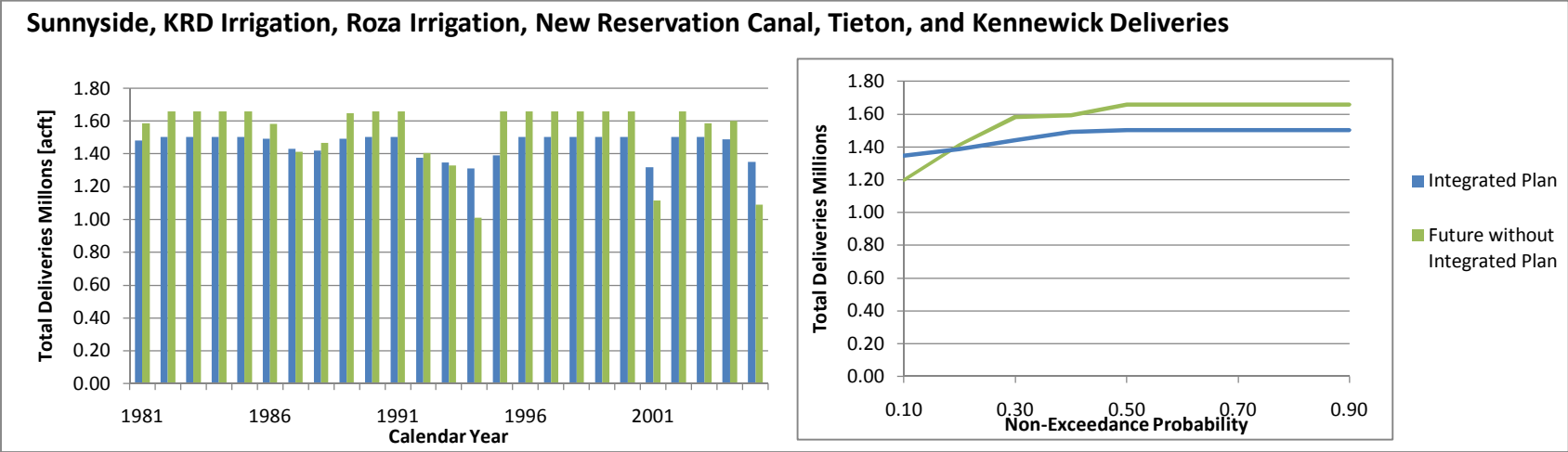
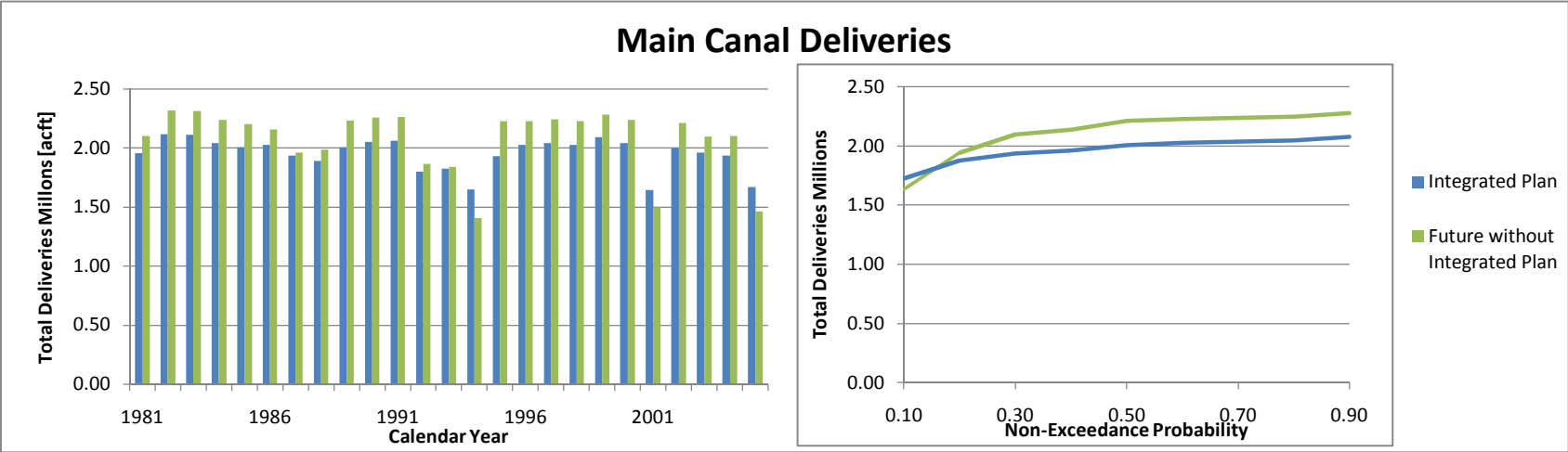


Water Supply Index: TWSA

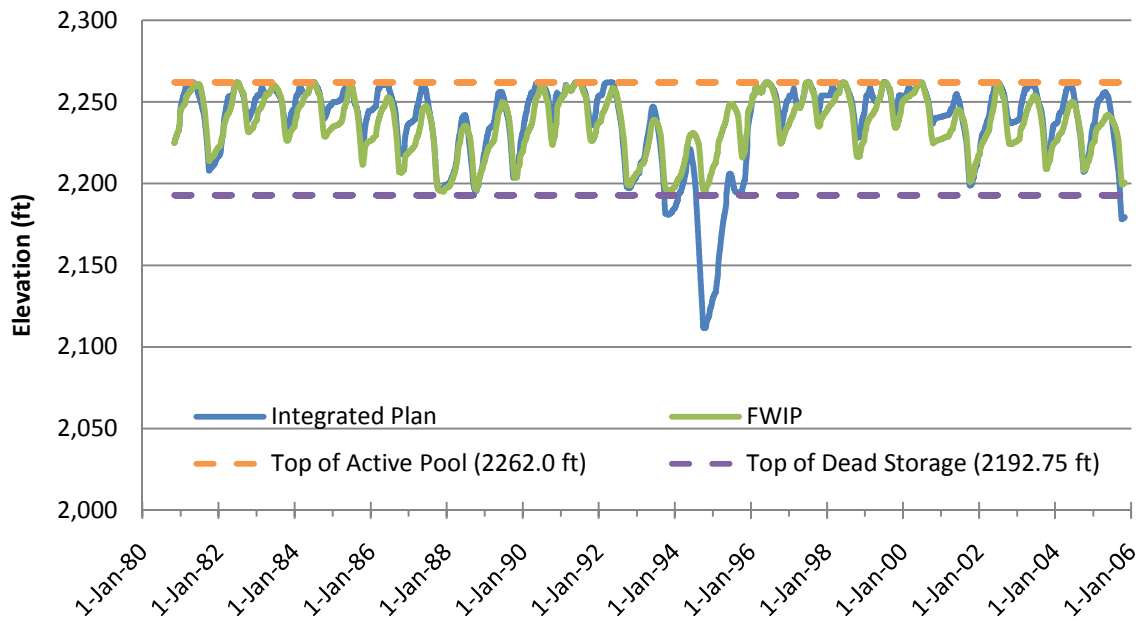


Water Supply Index: Proration

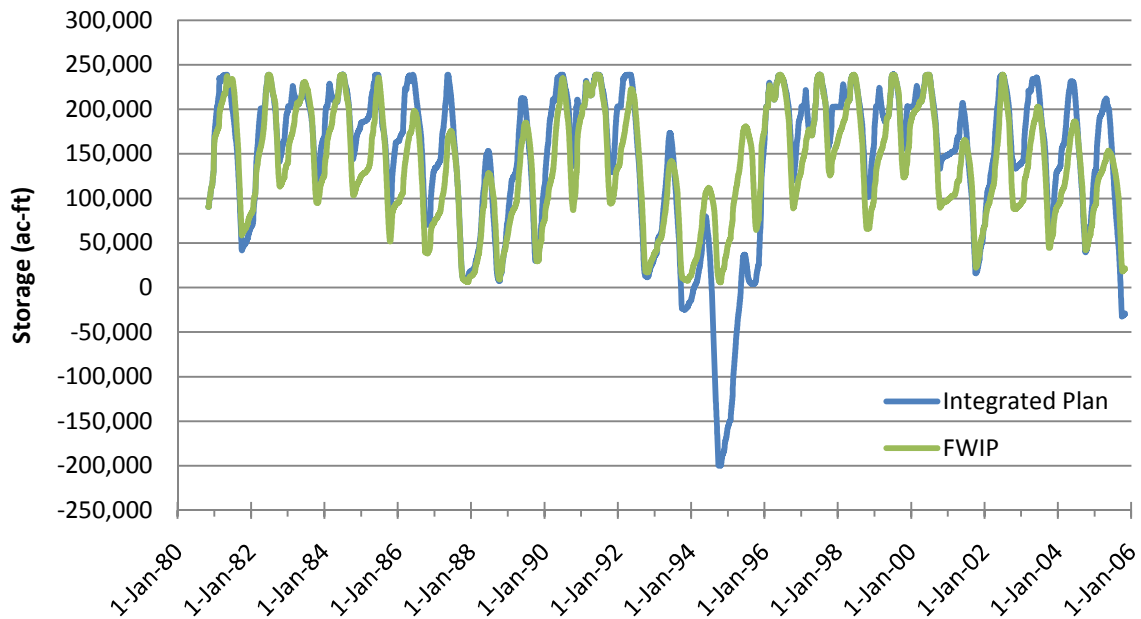




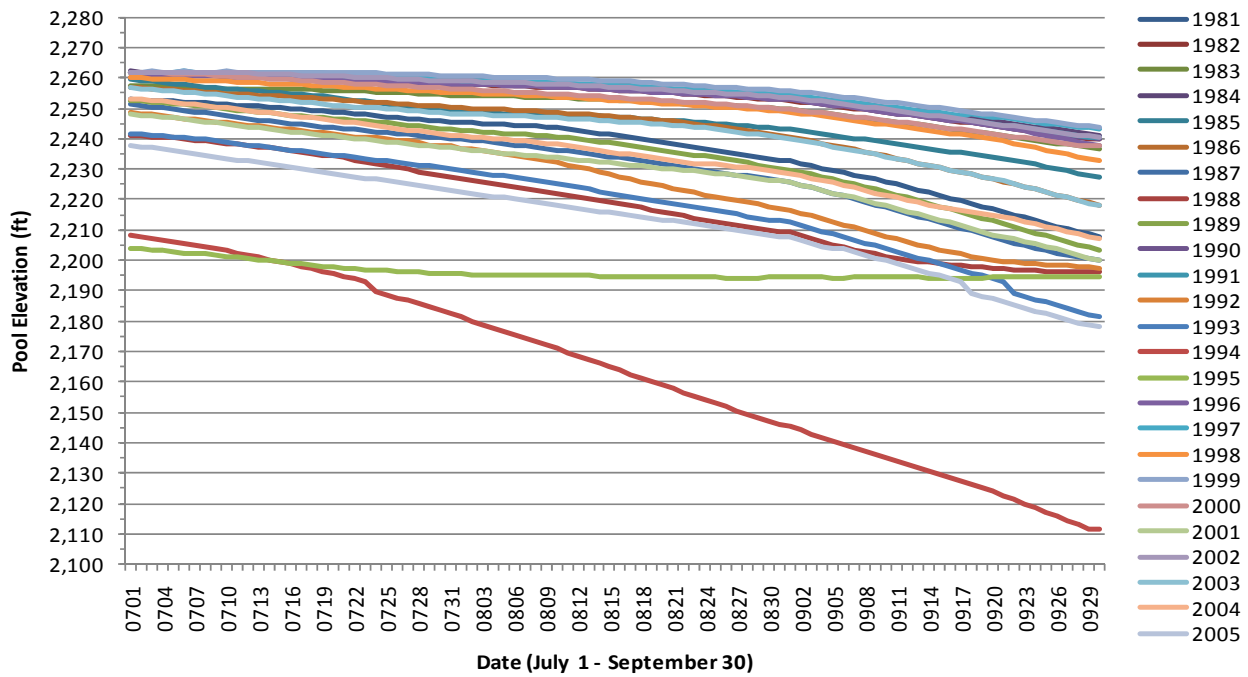
Kachess Reservoir Pool Elevation



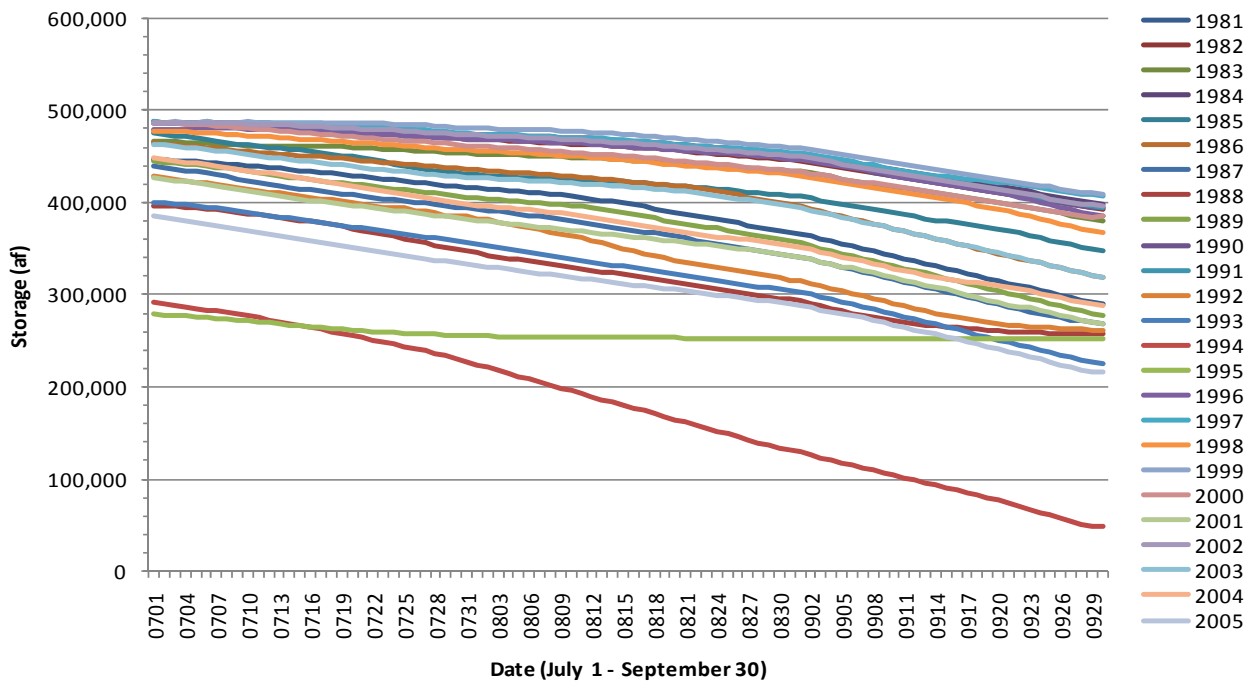
KachessReservoirStorage



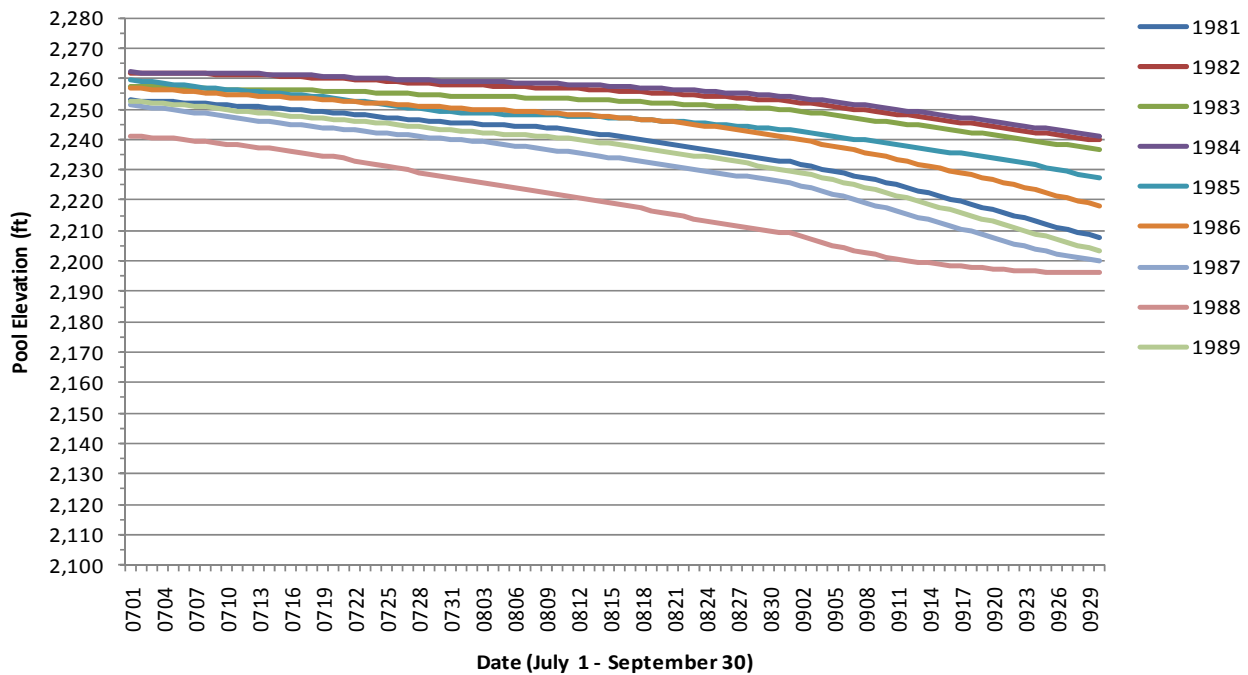
Kachess Reservoir Pool Elevation 1981-2005



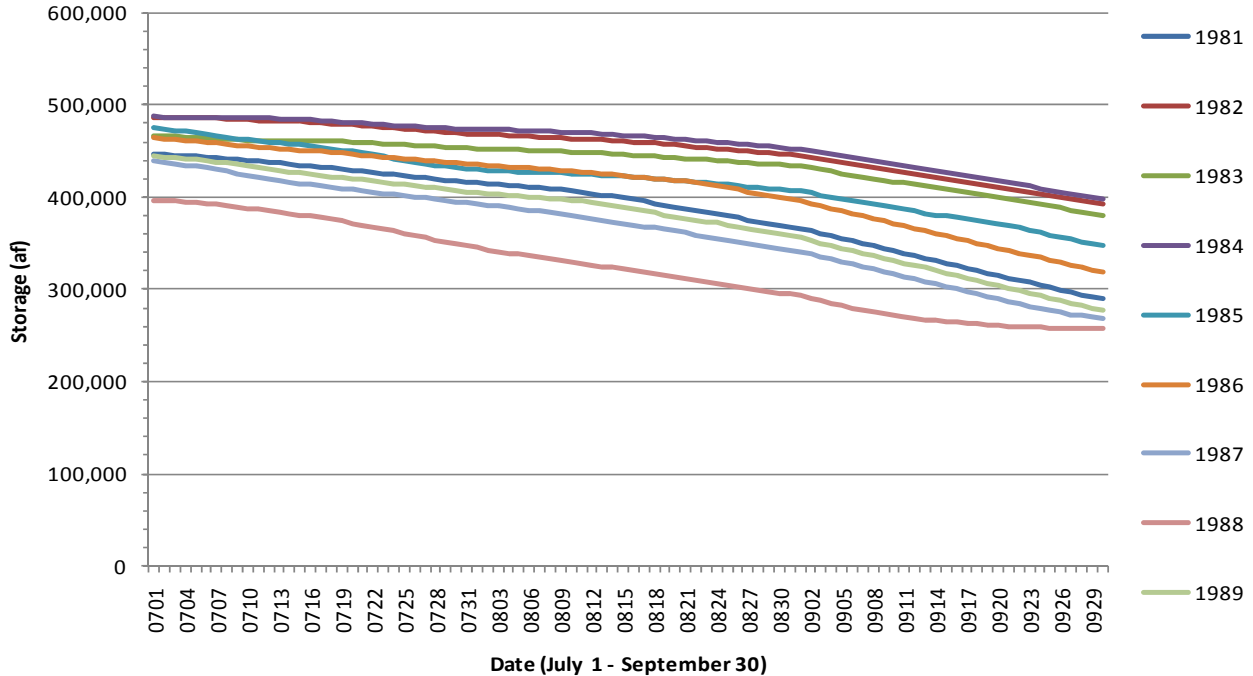
Kachess Reservoir Storage 1981-2005



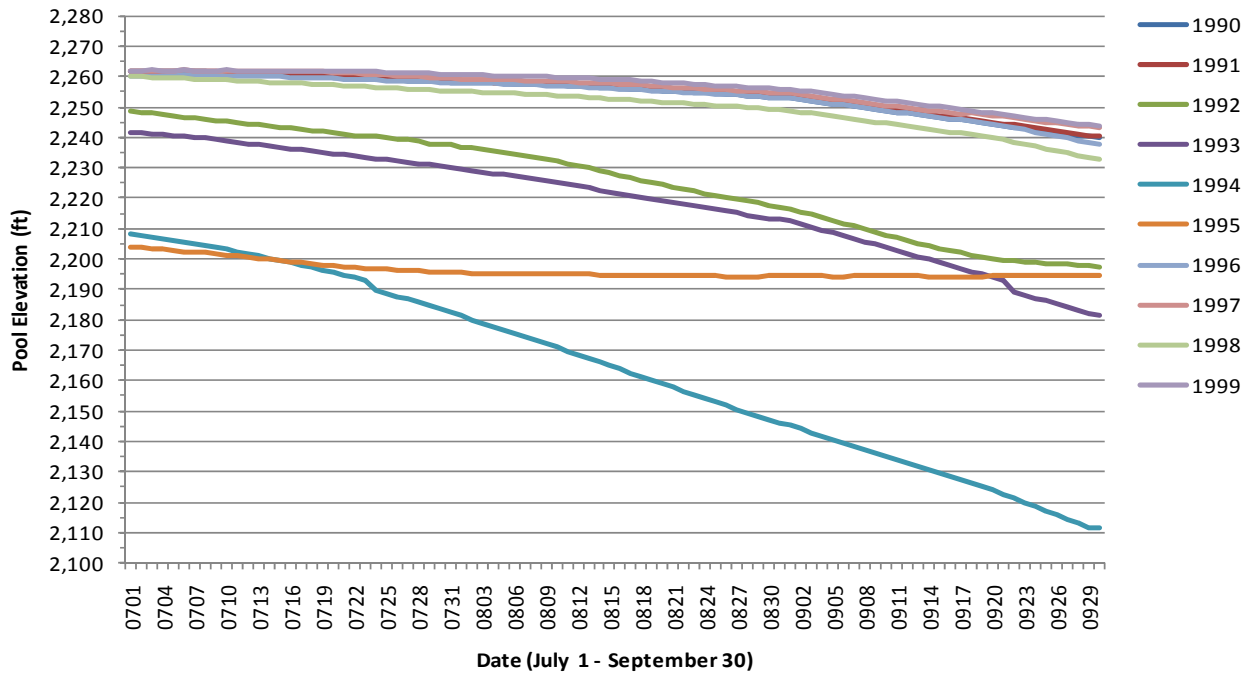
Kachess Reservoir Pool Elevation 1980s



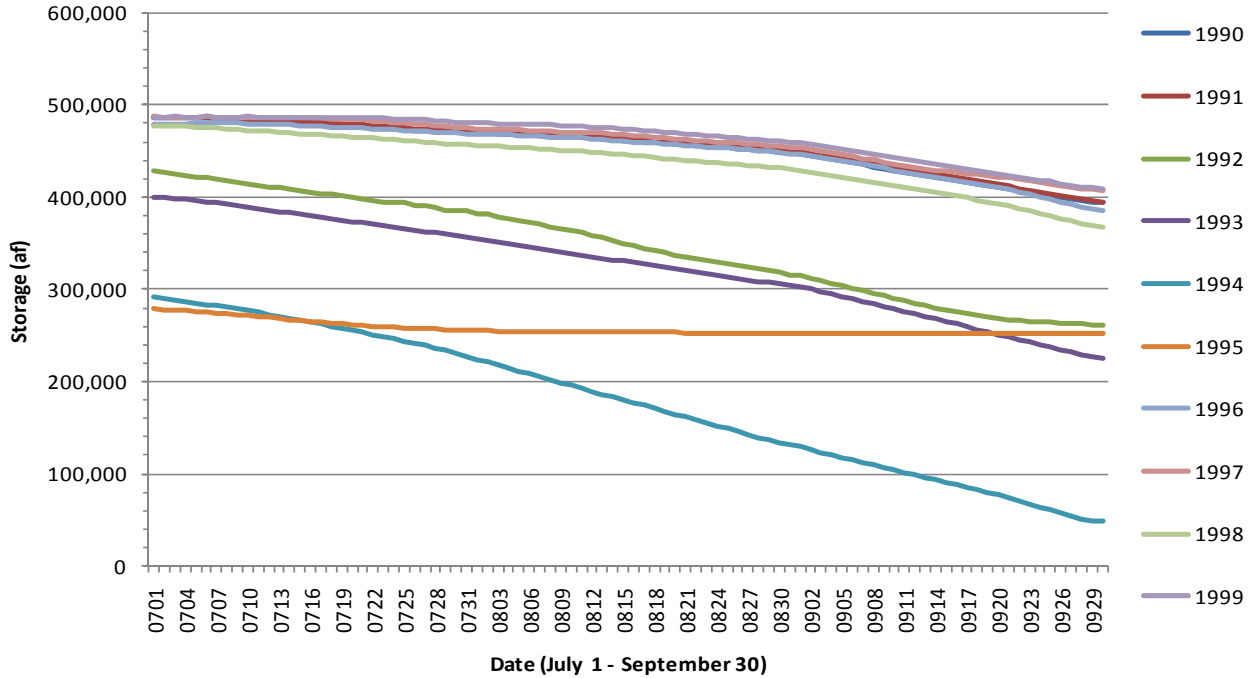
Kachess Reservoir Storage 1980s



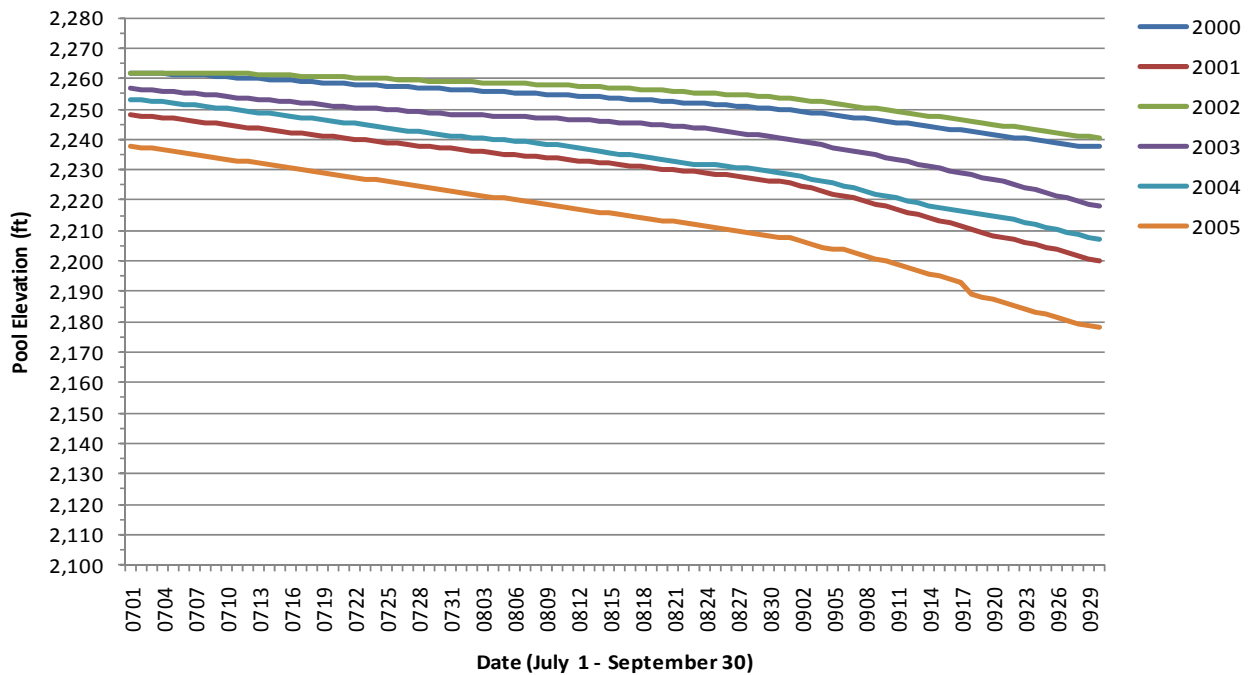
Kachess Reservoir Pool Elevation 1990s



Kachess Reservoir Storage 1990s



Kachess Reservoir Pool Elevation 2000-2005



Kachess Reservoir Storage 2000-2005

