

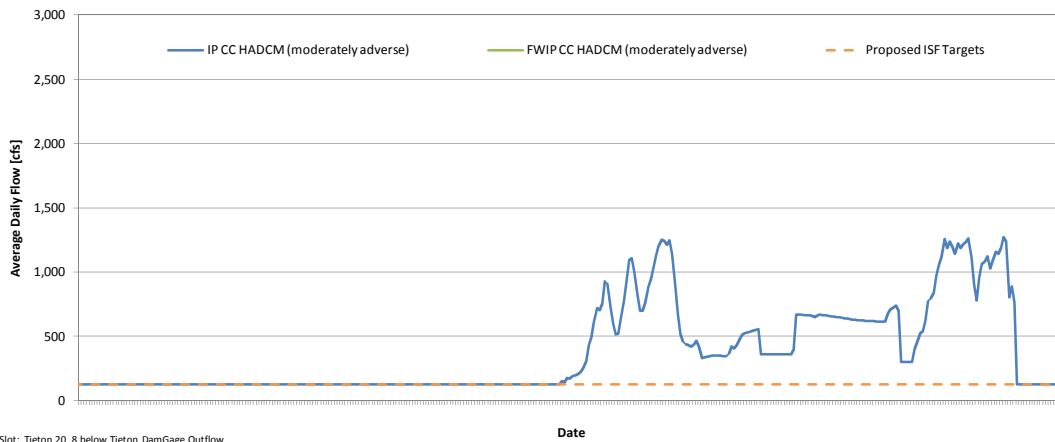
Resource indicator (measurement)	IP CC HADCM (moderately adverse)	FWIP CC HADCM (moderately adverse)
WATER RESOURCES		
<i>Average for water years 1981–2005 (maf)</i>		
Water supply		
April 1 total water supply available (TWSA)	2.49	2.33
Water distribution		
April–September Parker flow volume	0.42	0.45
April–September diversion	1.62	1.55
September 30 reservoir contents	0.15	0.09
April–September flow volume at mouth of Yakima River	0.82	0.71
<i>1994 dry-year (maf)</i>		
Water supply		
April 1 TWSA	1.59	1.51
Water distribution		
April–September Parker flow volume	0.26	0.27
April–September diversion	1.21	1.16
September 30 reservoir contents	-0.17	0.03
April–September flow volume at mouth of Yakima River	0.52	0.40
Irrigation proration level	26%	21%

Resource indicator (measurement)	IP CC HADCM (moderately adverse)	FWIP CC HADCM (moderately adverse)
ANADROMOUS FISH		
<i>Rate of change in flow during flip-flop (average cfs/day August 16–September 14)</i>		
Easton reach	-7	-16
Ellensburg reach	-52	-83
Lower Naches River reach	22	30
<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)	475	736
Post-flip-flop flow (cfs)	262	280
Absolute change in flow (cfs)	-212	-456
Ellensburg reach		
Pre-flip-flop flow (cfs)	2,585	3,397
Post-flip-flop flow (cfs)	1,077	990
Absolute change in flow (cfs)	-1,508	-2,407
Lower Naches River reach		
Pre-flip-flop flow (cfs)	1,019	697
Post-flip-flop flow (cfs)	1,647	1,566
Absolute change in flow (cfs)	629	870
Average, minimum, and maximum reservoir elevation (feet) during bull trout spawning migration: July 15–September 15 (feet)		
Kachess Lake	2182.72 2111.62-2260.83	2224.55 2195.33-2260.65
Keechelus Lake	2447.47 2428.15-2513.21	2447.75 2429.66-2512.51
Rimrock Lake	2898.85 2800.97-2925.79	2899.6 2811.25-2926

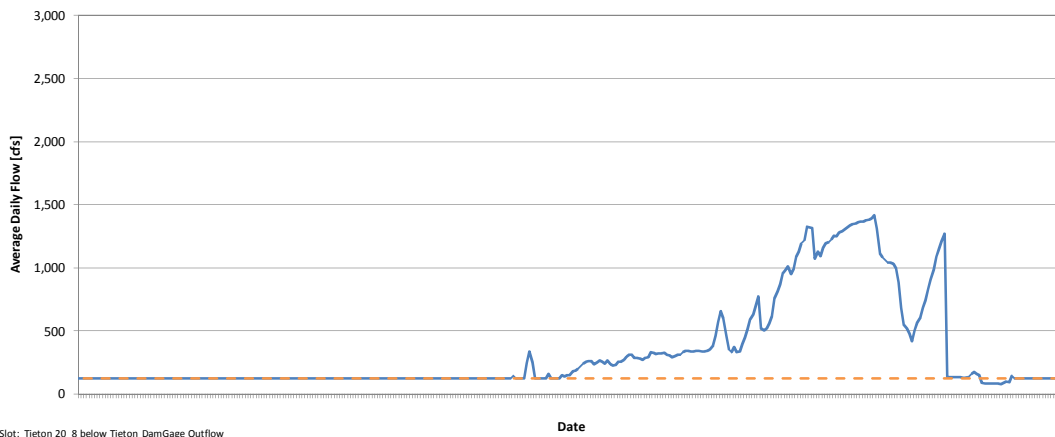
Hydrologic Indicator	IP CC HADCM (moderately adverse)					FWIP CC HADCM (moderately adverse)				
	Average 1981-2005	Drought Year 1994	Drought Year 2001	Drought Year 2005	Wet Year 1997	Average 1981-2005	Drought Year 1994	Drought Year 2001	Drought Year 2005	Wet Year 1997
April 1 TWSA (maf)	2.49	1.59	2.18	1.89	3.99	2.33	1.51	1.62	1.76	3.90
April-September flow volume at Parker gage (kaf)	420	258	230	267	1396	454	266	284	278	1444
March-October flow volume at Parker gage (kaf)	719	446	441	489	1879	756	463	481	523	1921
April-September diversion volume upstream of Parker gage (maf)	1.62	1.21	1.56	1.39	1.84	1.55	1.16	1.18	1.31	1.87
September 30 non- Bumping or Wymer reservoir contents (kaf)	21	-180	-150	-180	427	82	26	27	27	292
October 31 non- Bumping or Wymer reservoir contents (kaf)	10	-147	-154	-172	384	83	57	53	33	253
September 30 Bumping and Wymer reservoir contents (kaf)	122	10	39	13	234	8	3	2	2	16
April-September flow volume at mouth of Yakima River (kaf)	823	525	601	600	2183	706	403	508	469	2065
Irrigation proration level (percent) ¹	74%	26%	70%	50%	100%	64%	21%	24%	40%	100%

Item	FWIP CC HADCM (moderately adverse)	IP CC HADCM (moderately adverse)	Improvement
Average 1981-2005			
TWSA [April 1, kaf]	2327.4	2485.9	158.4
March-October flow volume at Parker gage [kaf]	756.5	718.5	-37.9
Drought Year 1994			
TWSA [April 1, kaf]	1513.3	1594.0	80.7
March-October flow volume at Parker gage [kaf]	463.2	446.2	-17.0
Drought Year 2001			
TWSA [April 1, kaf]	1618.3	2180.0	561.7
March-October flow volume at Parker gage [kaf]	481.0	440.7	-40.3
Drought Year 2005			
TWSA [April 1, kaf]	1764.2	1892.0	127.8
March-October flow volume at Parker gage [kaf]	523.2	489.2	-34.0
Wet Year 1997			
TWSA [April 1, kaf]	3900.7	3994.9	94.2
March-October flow volume at Parker gage [kaf]	1921.1	1879.0	-42.1

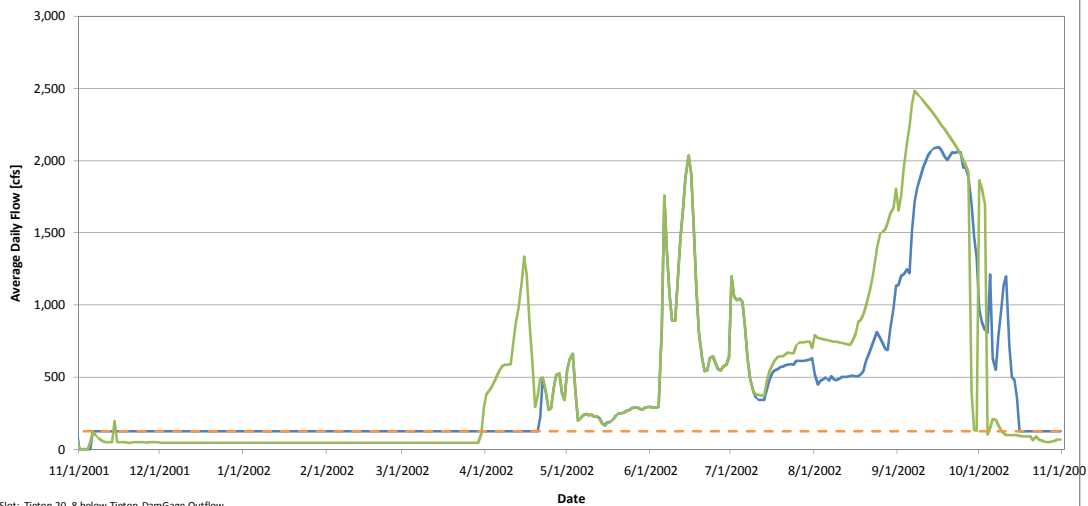
Tieton River Average Flows (WY 2003)

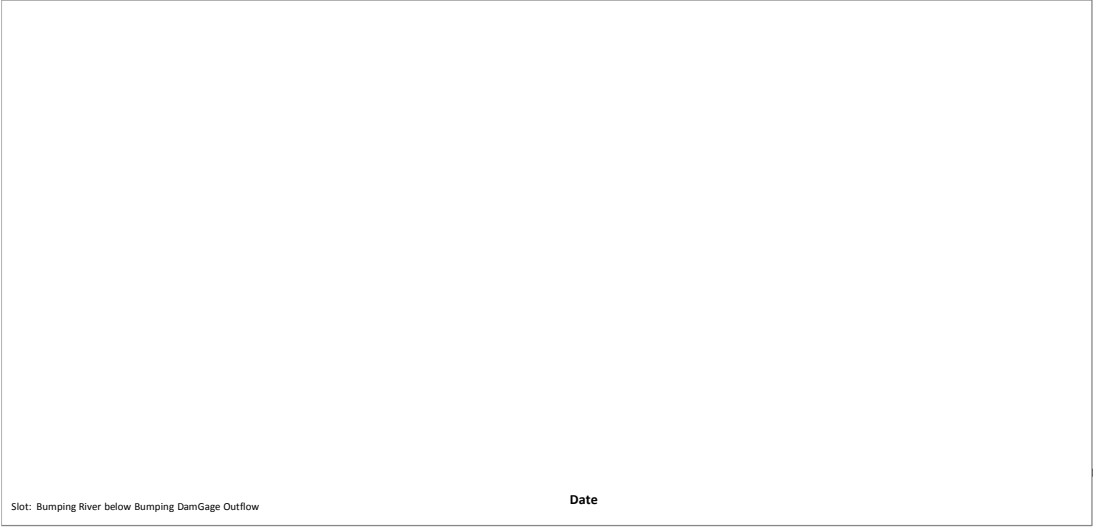
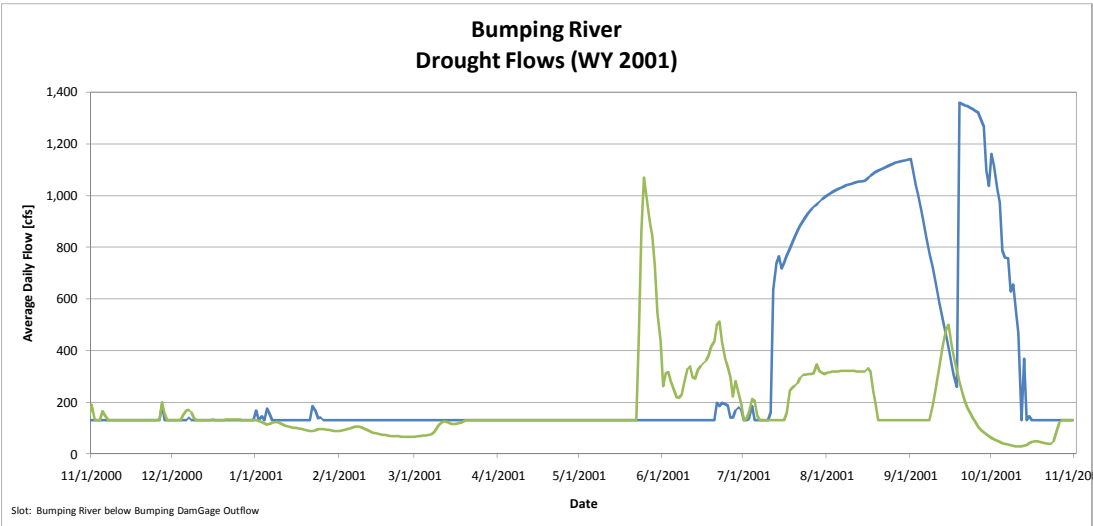
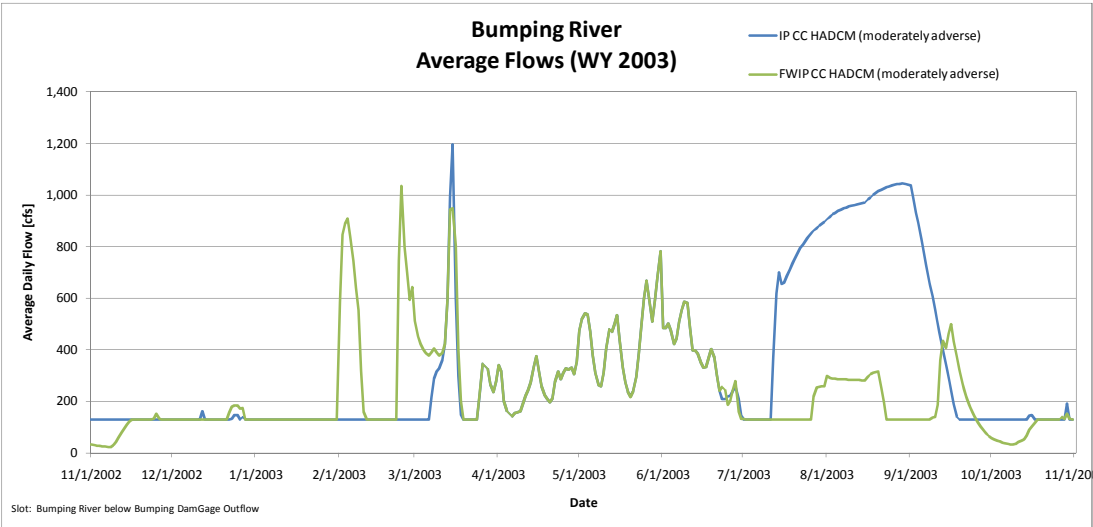


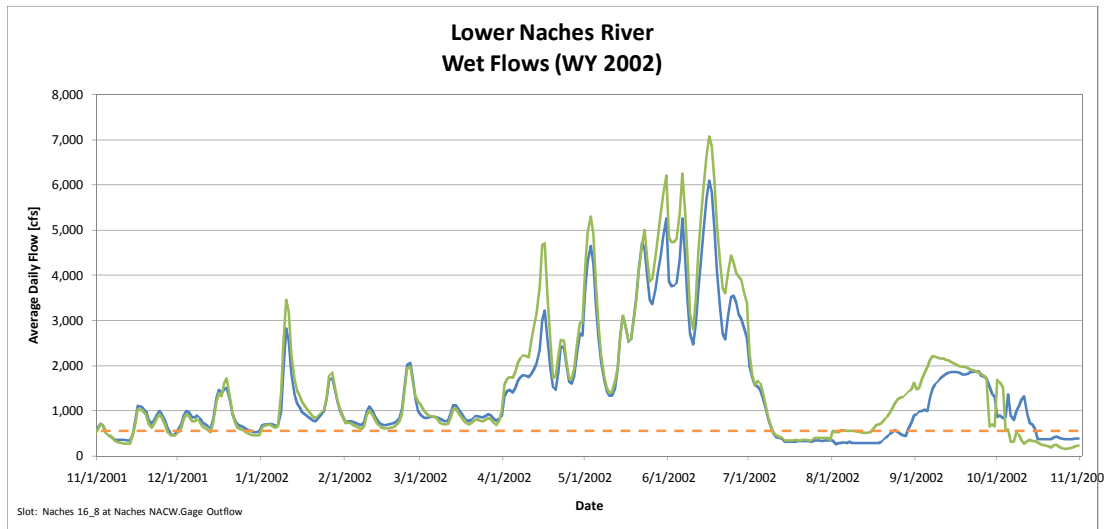
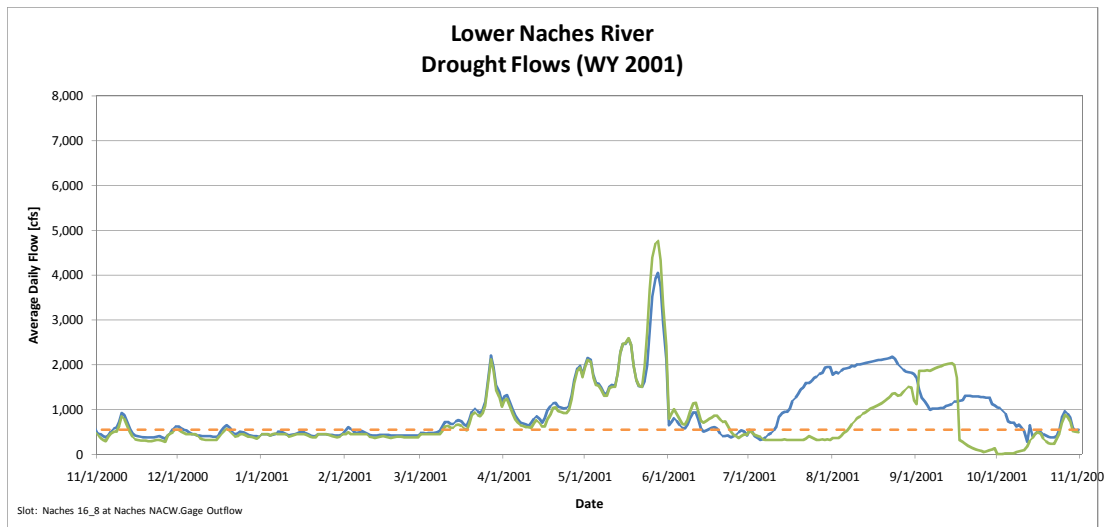
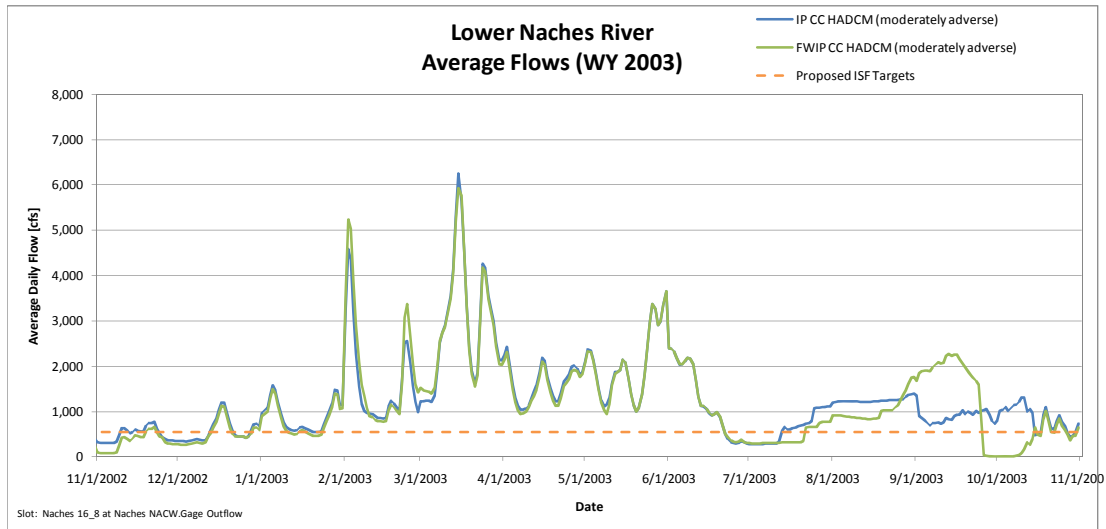
Tieton River Drought Flows (WY 2001)



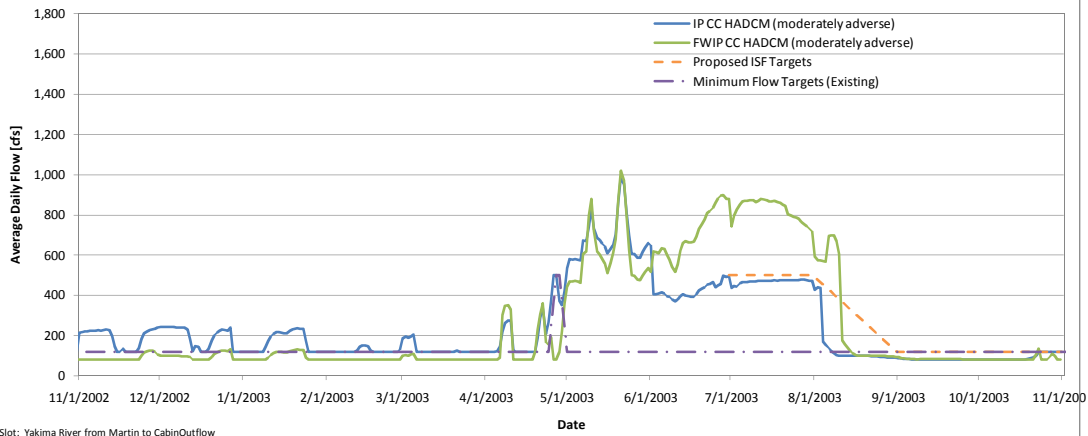
Tieton River Wet Flows (WY 2002)



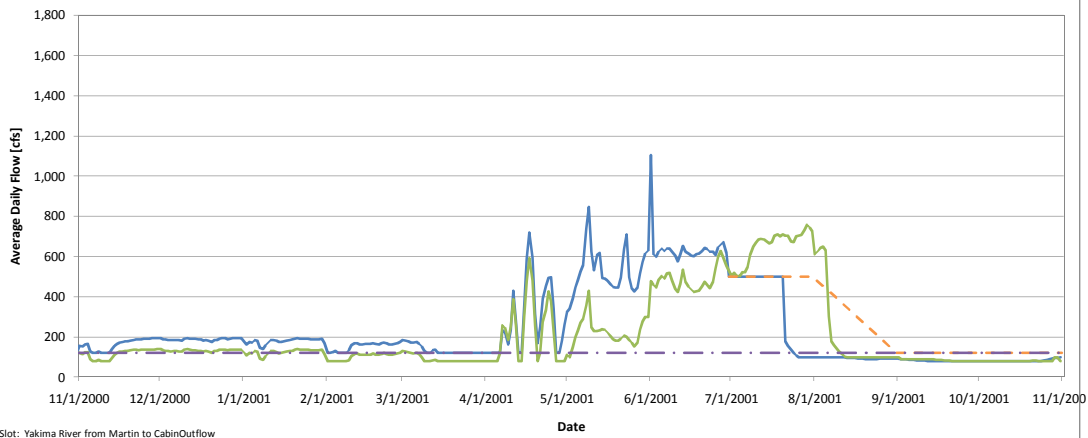




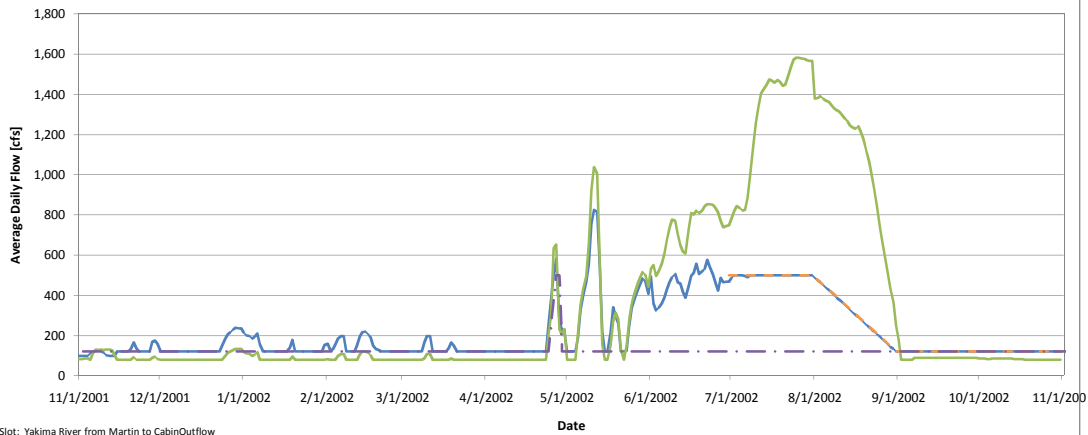
Yakima River, Keechelus Reservoir to Lake Easton Reach Average Flows (WY 2003)

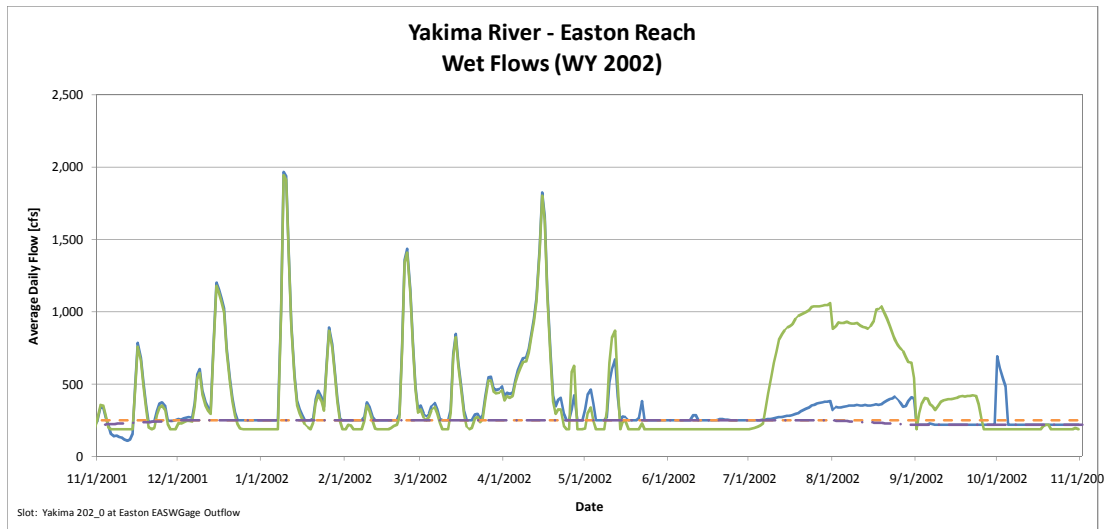
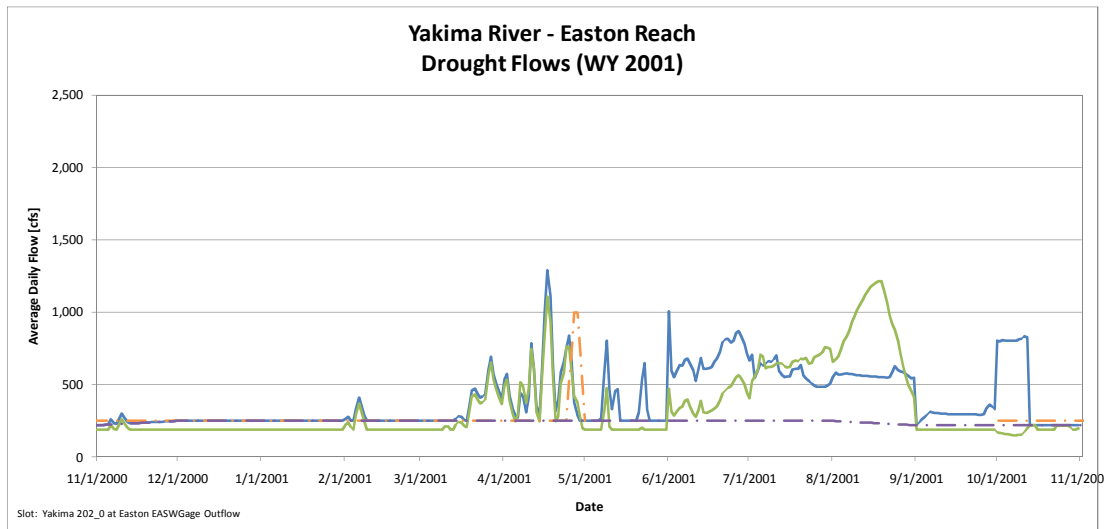
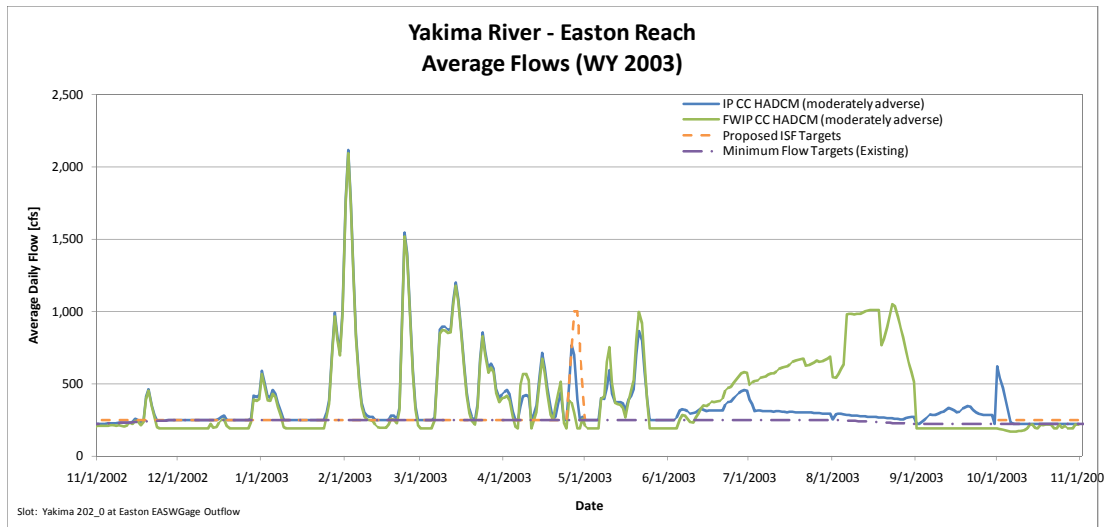


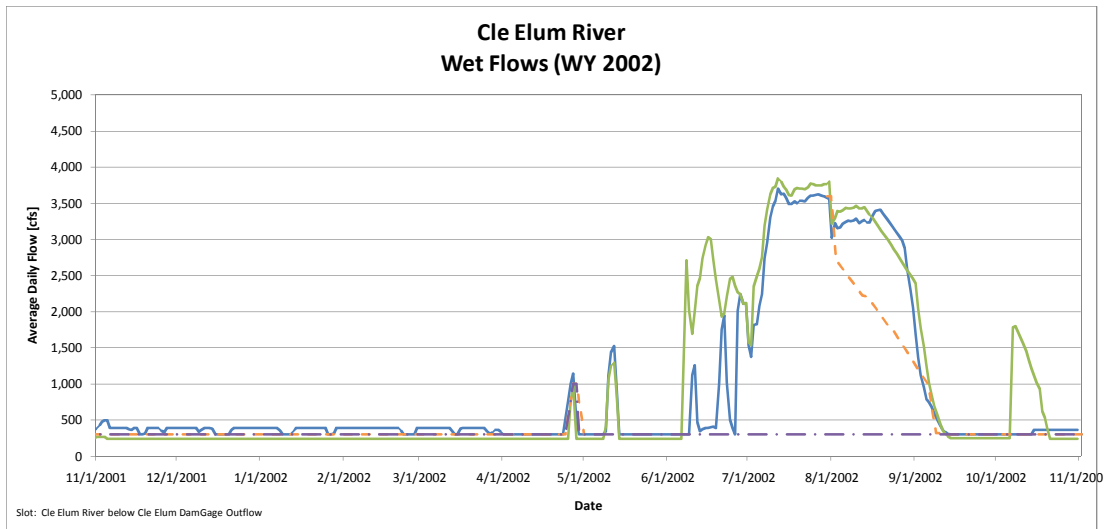
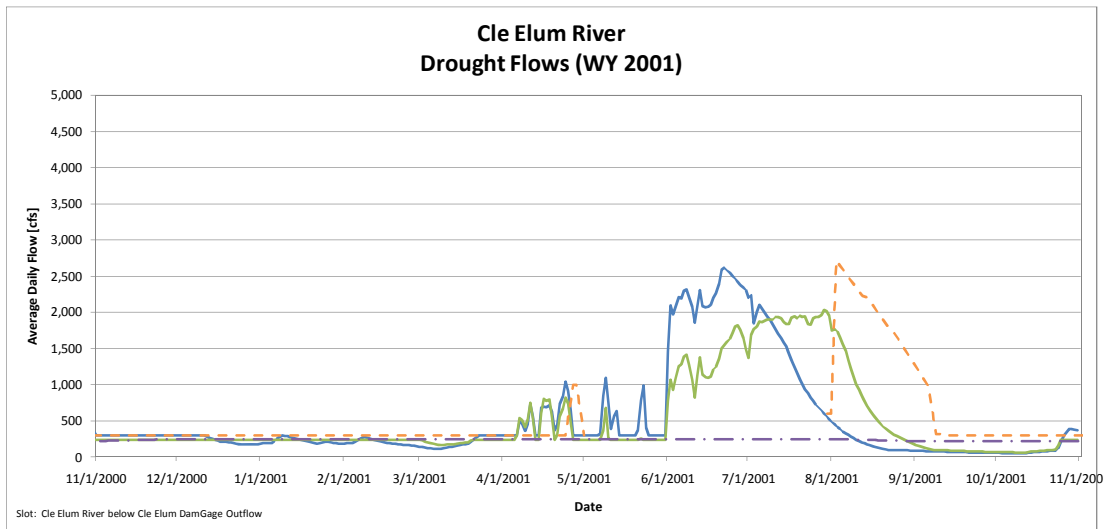
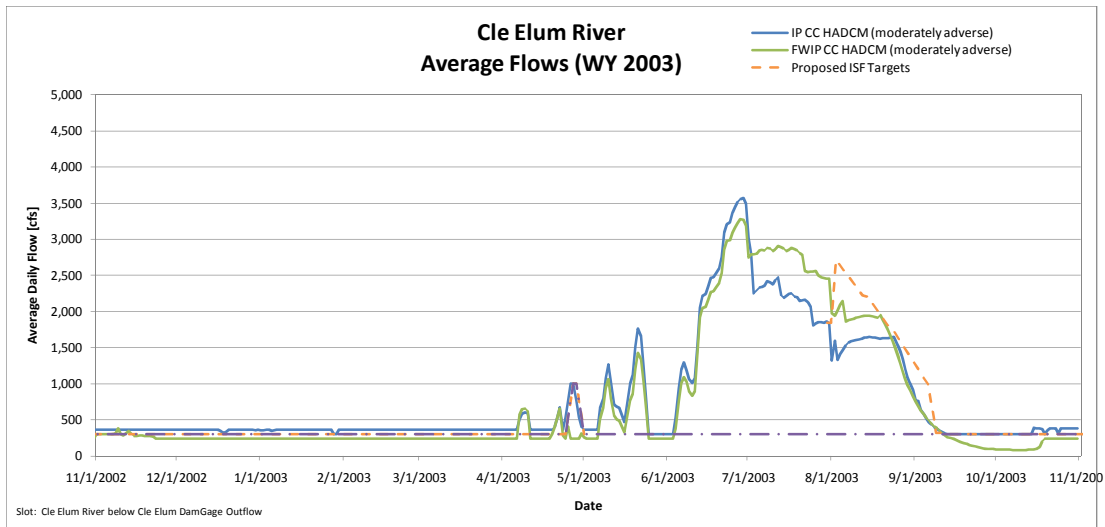
Yakima River, Keechelus Reservoir to Lake Easton Reach Drought Flows (WY 2001)

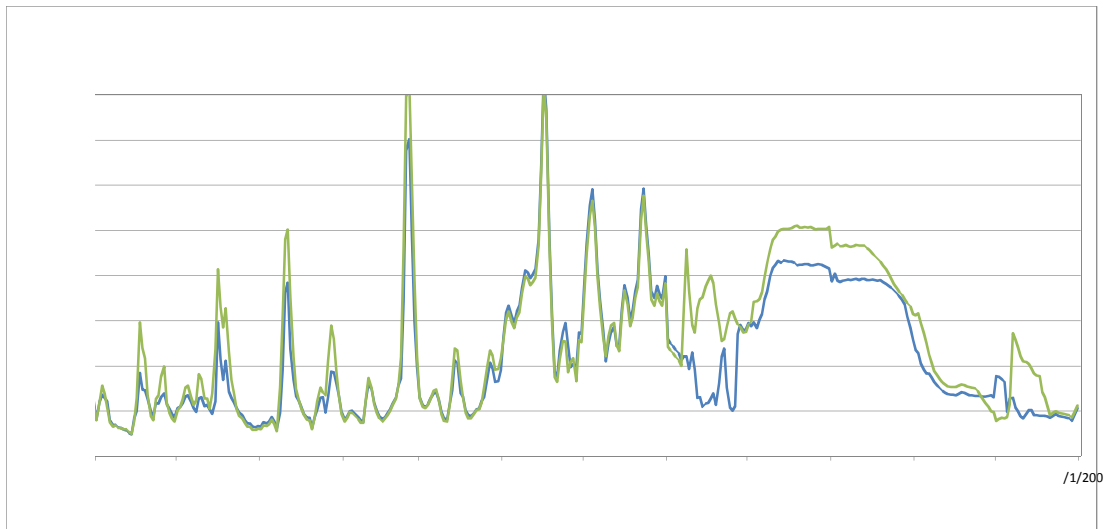
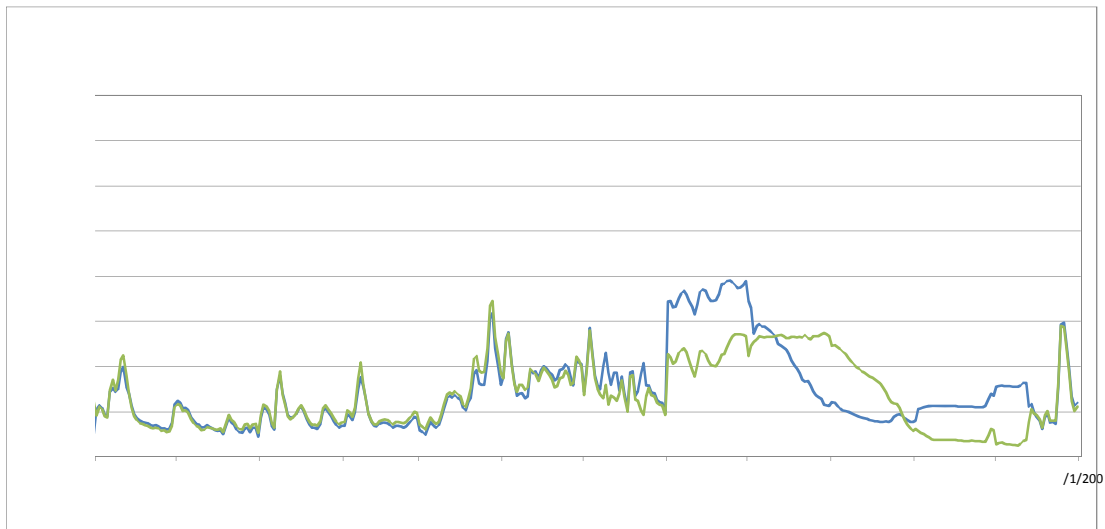
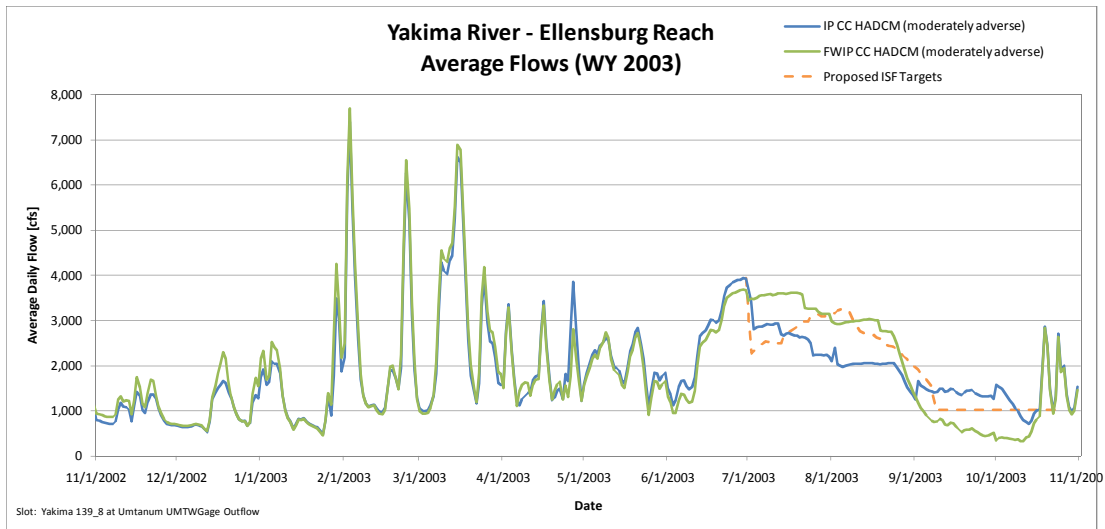


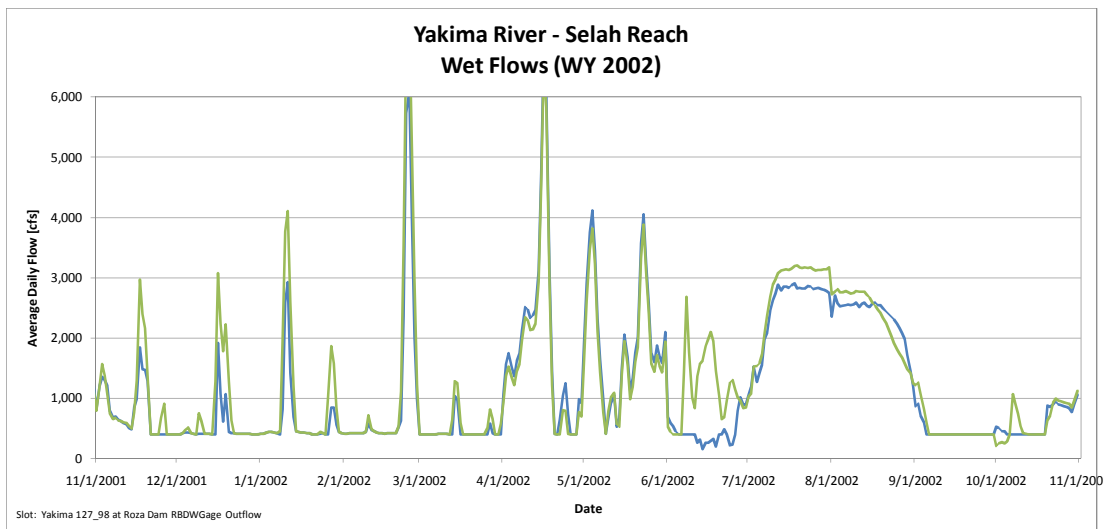
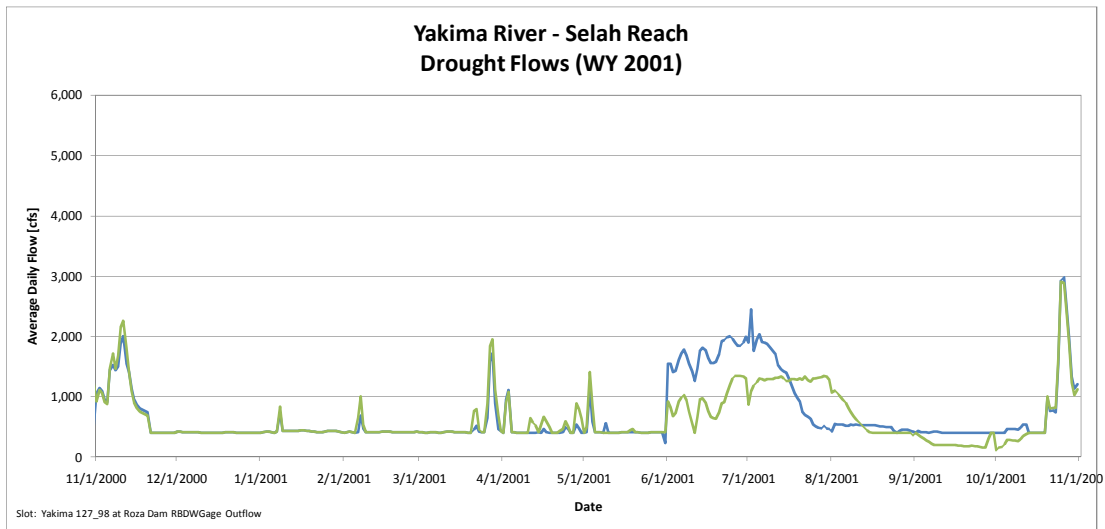
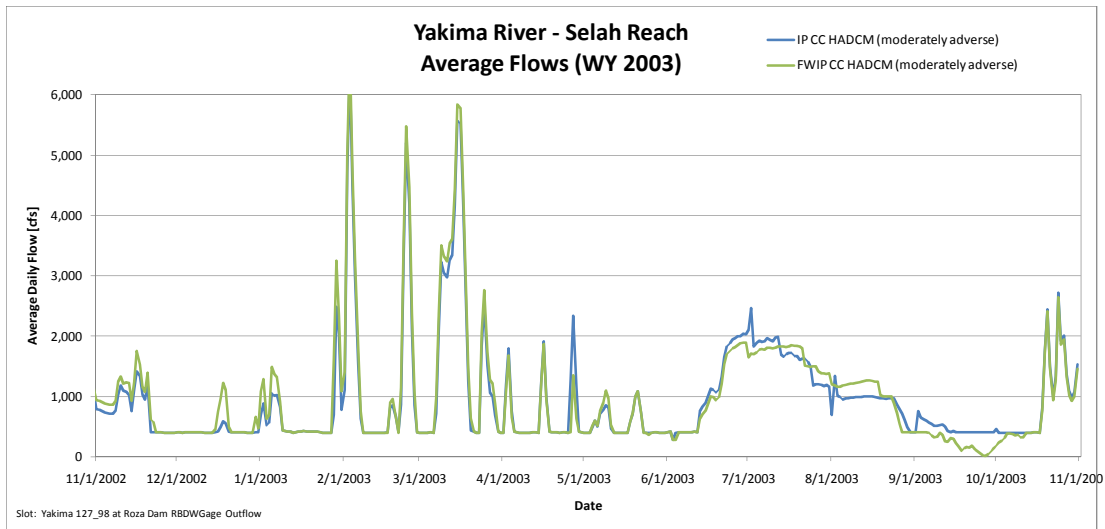
Yakima River, Keechelus Reservoir to Lake Easton Reach Wet Flows (WY 2002)

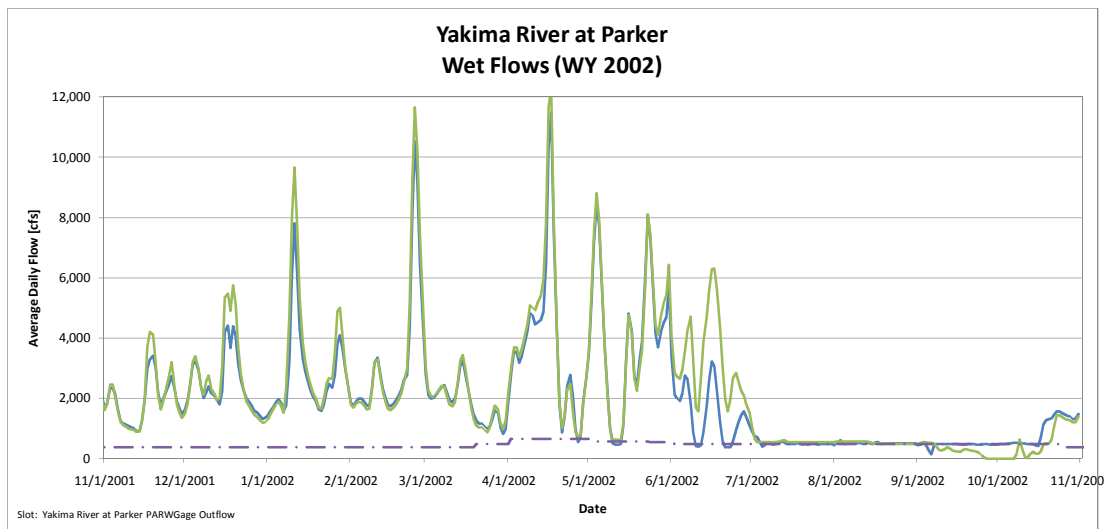
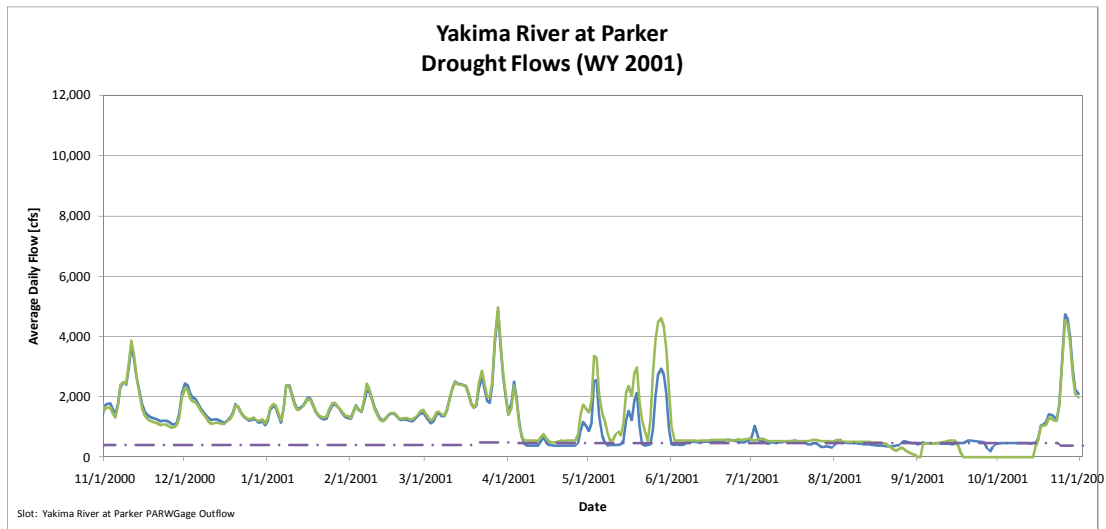
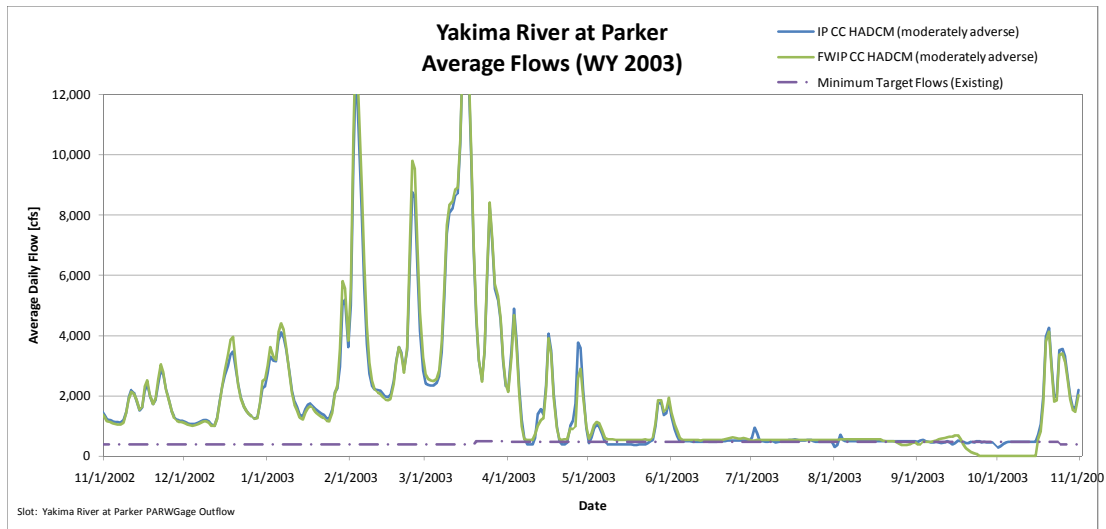




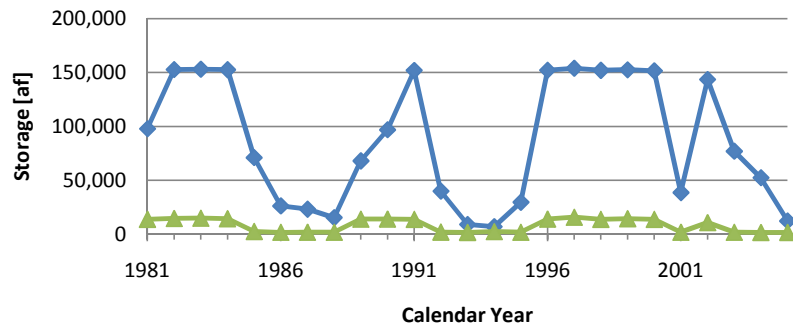






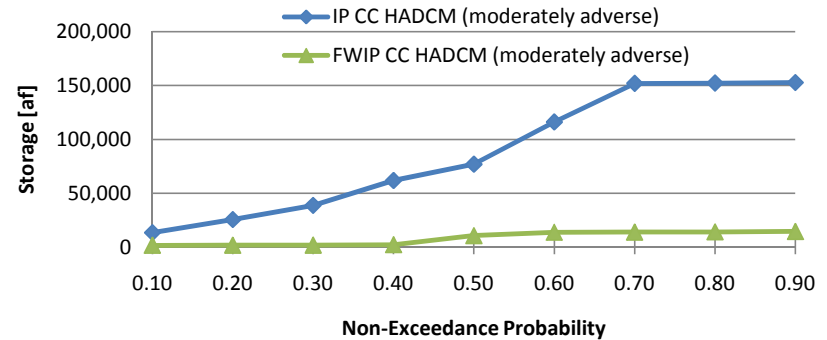


Bumping Reservoir September End of Month Storage



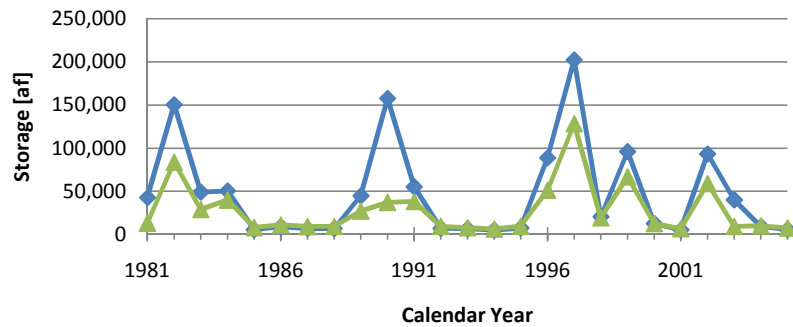
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Bumping Reservoir September End of Month Storage



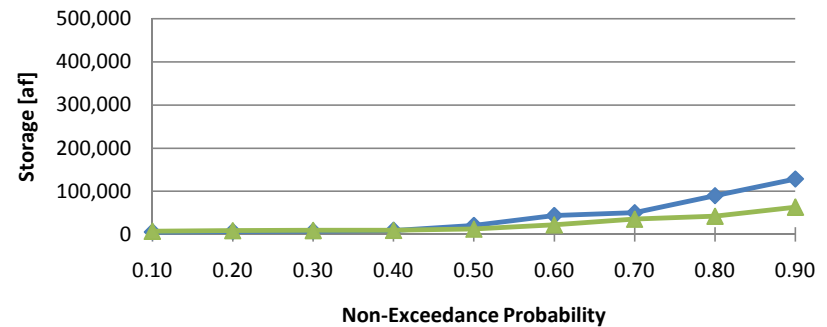
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Cle Elum Reservoir September End of Month Storage



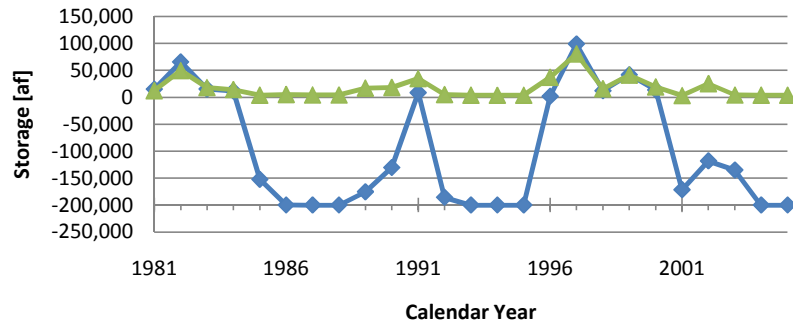
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Cle Elum Reservoir September End of Month Storage



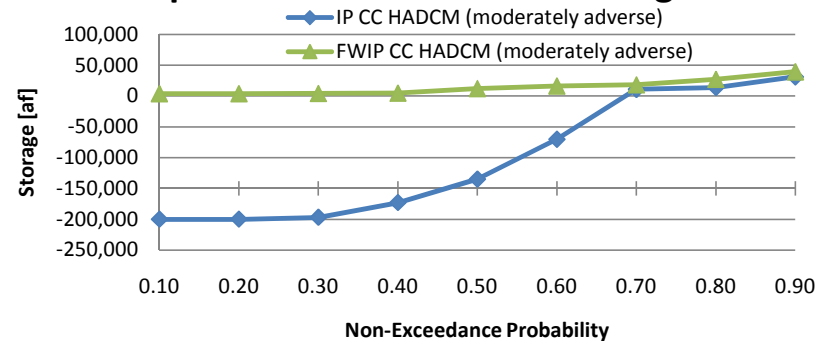
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Kachess Reservoir September End of Month Storage



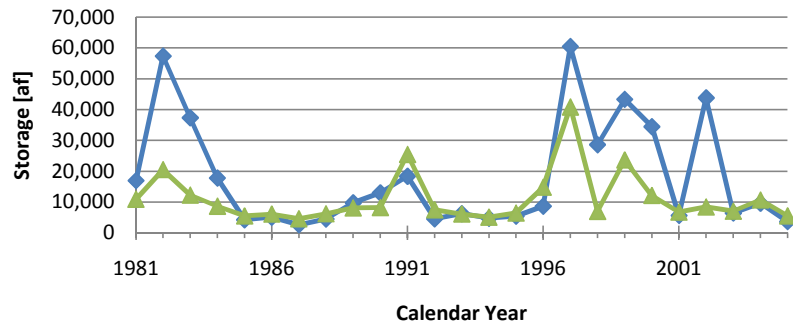
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Kachess Reservoir September End of Month Storage



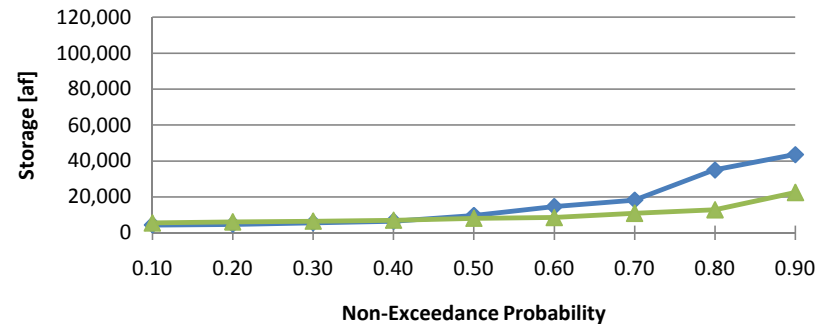
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Keechelus Reservoir September End of Month Storage



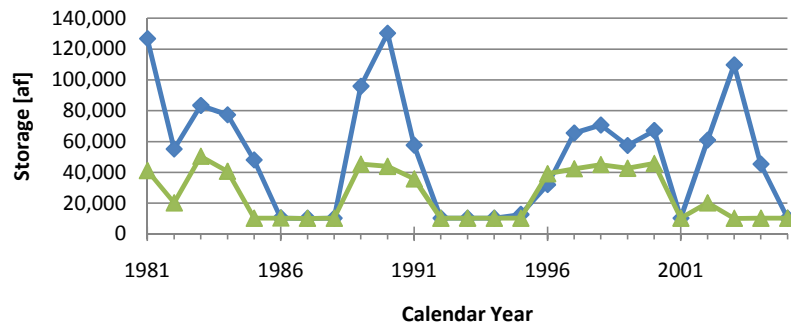
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Keechelus Reservoir September End of Month Storage



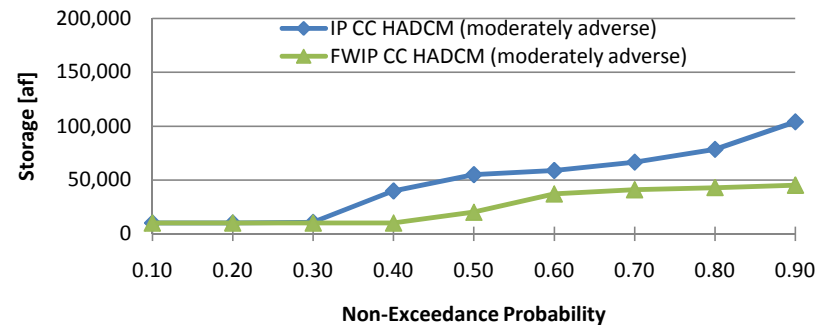
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Rimrock Reservoir September End of Month Storage



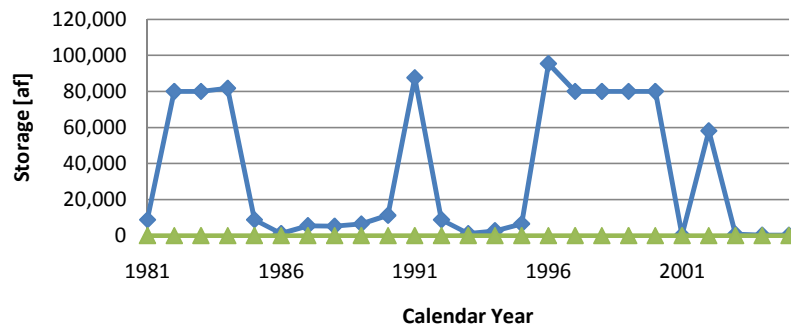
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Rimrock Reservoir September End of Month Storage



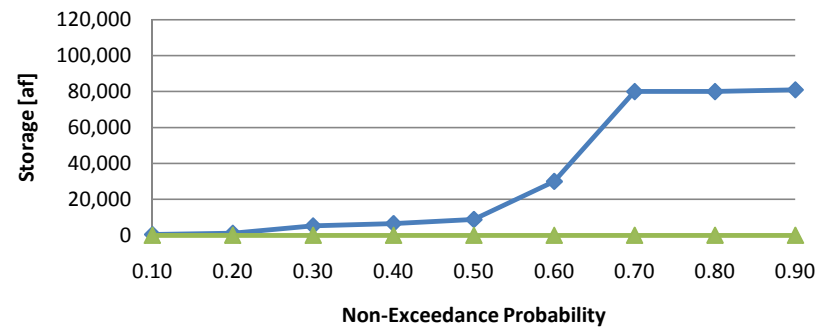
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Wymer Reservoir September End of Month Storage



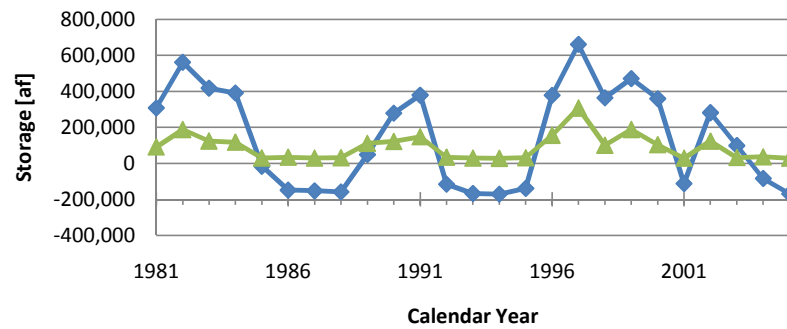
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Wymer Reservoir September End of Month Storage

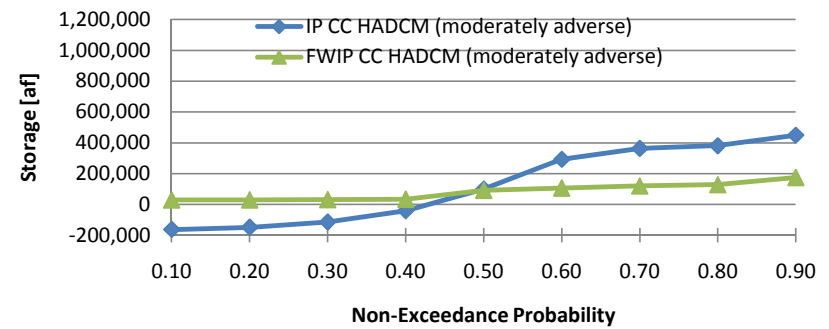


Slot: WymerReservoirStorage

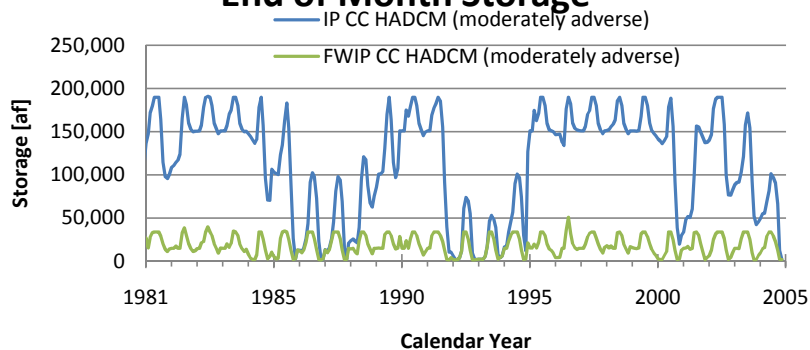
All Reservoirs September End of Month Storage



All Reservoirs September End of Month Storage

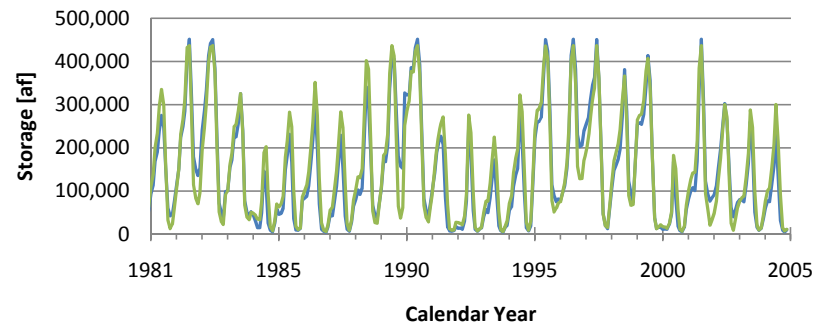


Bumping Reservoir End of Month Storage



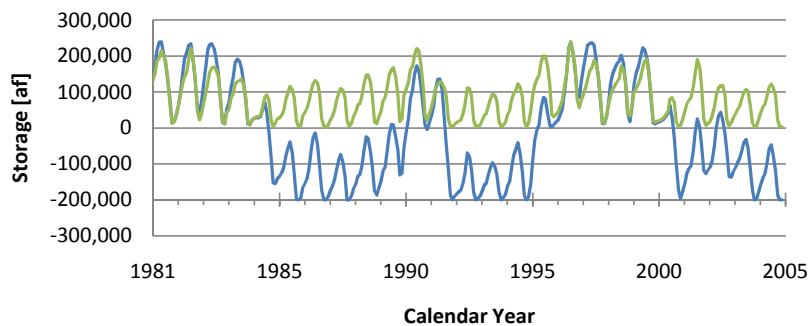
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Cle Elum Reservoir End of Month Storage



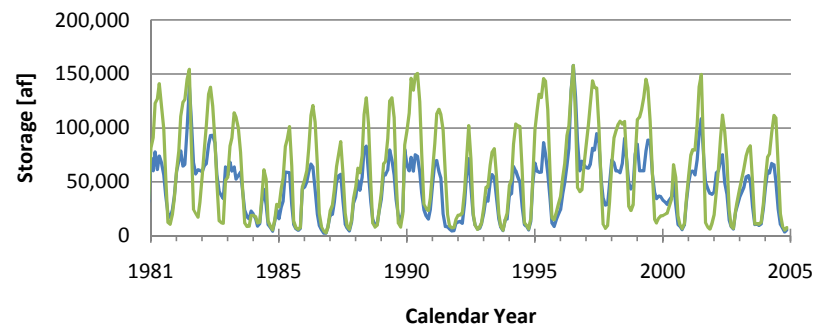
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Kachess Reservoir End of Month Storage



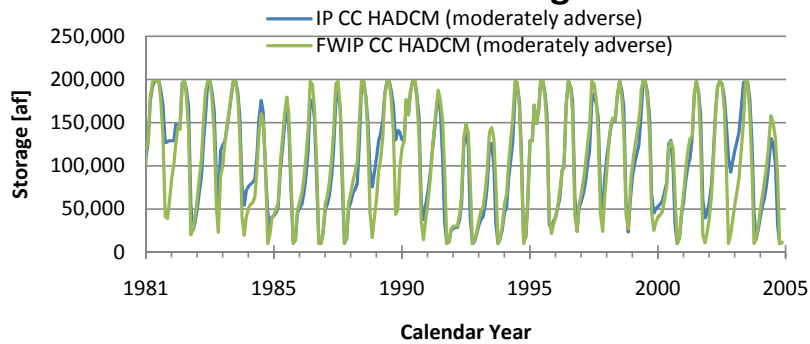
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Keechelus Reservoir End of Month Storage



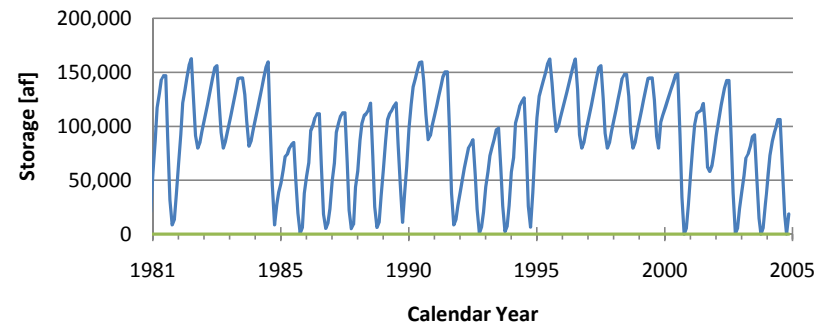
Slot: KeechelusReservoirStorage

Rimrock Reservoir End of Month Storage



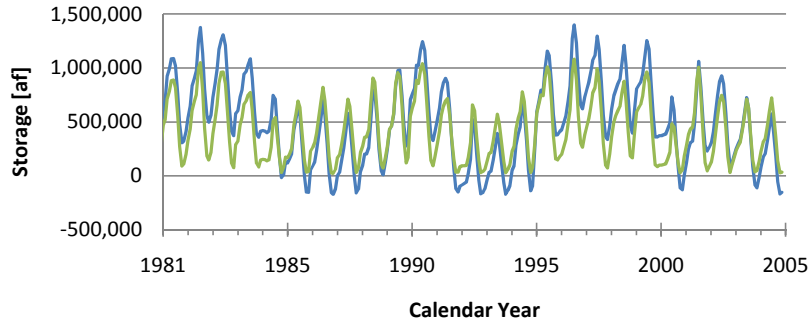
Slot: RimrockReservoirStorage

Wymer Reservoir End of Month Storage

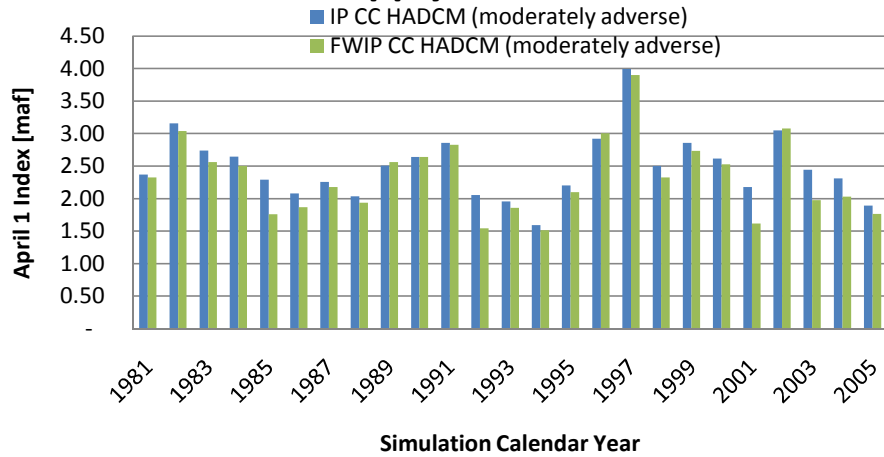


Slot: WymerReservoirStorage

All Reservoirs End of Month Storage

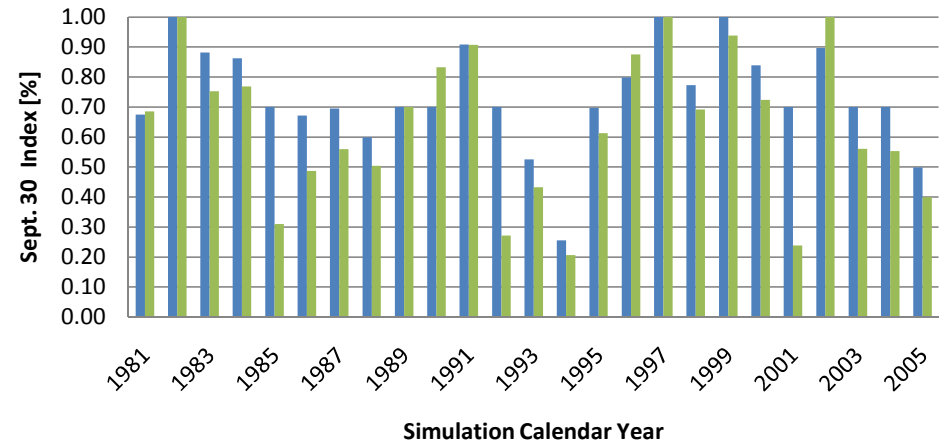


Water Supply Index: TWSA



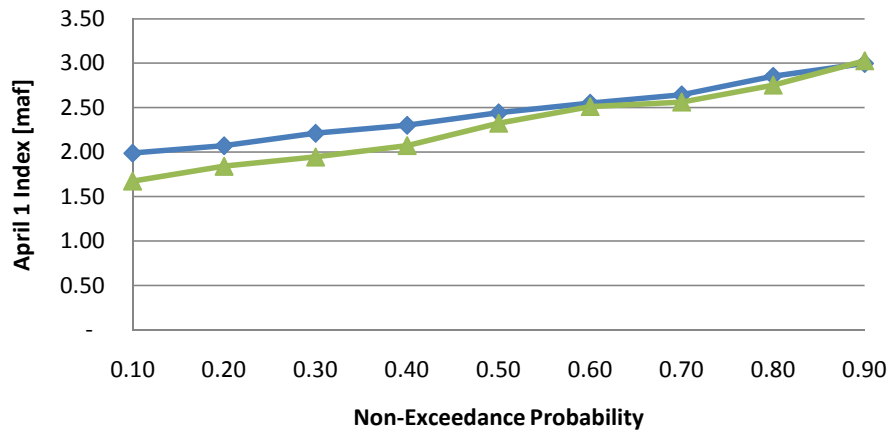
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Water Supply Index: Proration



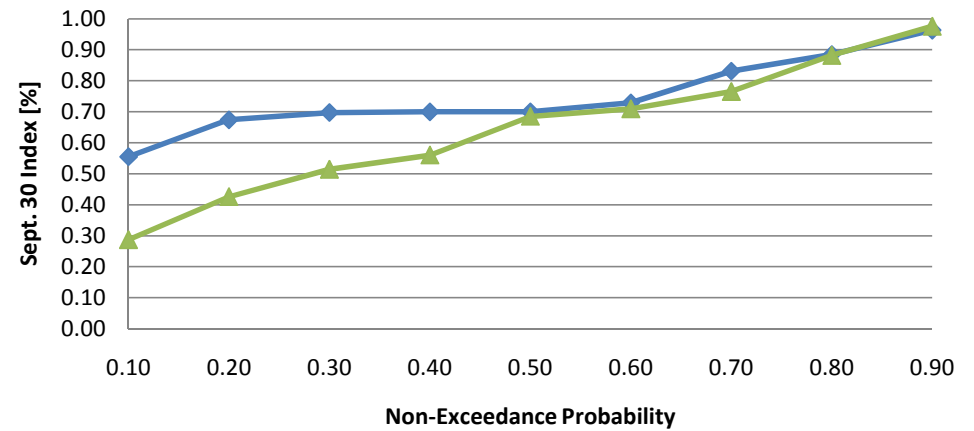
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Water Supply Index: TWSA



Slot: TWSA PARW_DataDaily TWSA

Water Supply Index: Proration



Slot: TWSA PARW_DataDaily Proration Level

