

Key assumptions in adjusting S12D+S333 concentrations for relative influence of canal vs. sheet flow

- West flows (S12abc) representative of sheet flow
- East flows (S12d+S333) representative of mixture of canal and sheet flow
- Sheet flow percentages estimated based upon water budget or RSM transect flows

<u>Variable *</u>	<u>Description</u>
Fs	Nominal sheet flow fraction for east basin = 1 - canal inflow fraction
Fs0	Nominal sheet flow fraction under current conditions (ECB)

Estimation of Nominal Sheet Flow Fraction

Flow Method:

Based on ratio of WCA3A canal inflow / East outflow

ECB & FWO $F_s = 1 - (S_9 + S_{9A} + S_8) / (S_{151} + S_{12D} + S_{333})$

ALT4R $F_s = 1 - (S_9 + S_{9A}) / (S_{151} + S_{12D} + S_{333} + S_{345DFG})$

Transect Method:

Ratio of RSM overland flow transects: north / south = $(T_5 + T_6) / (T_{12} + T_{15})$

RegWest	Conc vs. Stage regression for S12A+B+C **
RegEast	Conc vs. Stage regression for S12D+S333 **
Cwest	Csheet
Ceast	$(1 - F_s) \times C_{canal} + F_s \times C_{sheet}$
Csheet	Effective sheet flow conc = Regwest
Ccanal	Effective canal flow conc = $(RegEast - RegWest \times F_{s0}) / (1 - F_{s0})$ defined so that Ceast = RegEast for existing conditions (ECB)
Rw	Assumed reduction in west conc = 0%
Re	Assumed reduction in east conc = 0%
Tbase ***	Base Year (2013, 2020, 2025, 2030) hypothetical scenarios.

* All variables computed on water year basis (October-September)

** Regression models applied on daily basis and results flow-weighted over water year

*** Extrapolation of 2002-2012 decreasing trends (~1.3%/yr) to reflect WCA-3A marsh response to historical and future load reductions. Hypothetical scenarios for comparing CEPP alternatives under different concentration regimes. Not projections or forecasts!

<u>Regression Models (SFWMD)</u>					Trend Offset =	2002
<u>Coefficients</u>	<u>Intercept</u>	<u>Stage</u>	<u>Stage Inc</u>	<u>Stage^2 g</u>	<u>Gradient</u>	<u>Trend</u>
S12abc	12.544	-1.7	0.201	0.067	0.024	-0.013
S12dS333	19.388	-3.011	0.222	0.129	0.391	-0.012

Application Constrained to Calibration Ranges

Min	9.070	-0.860	82.265	0.093
Max	11.990	1.700	143.760	1.980

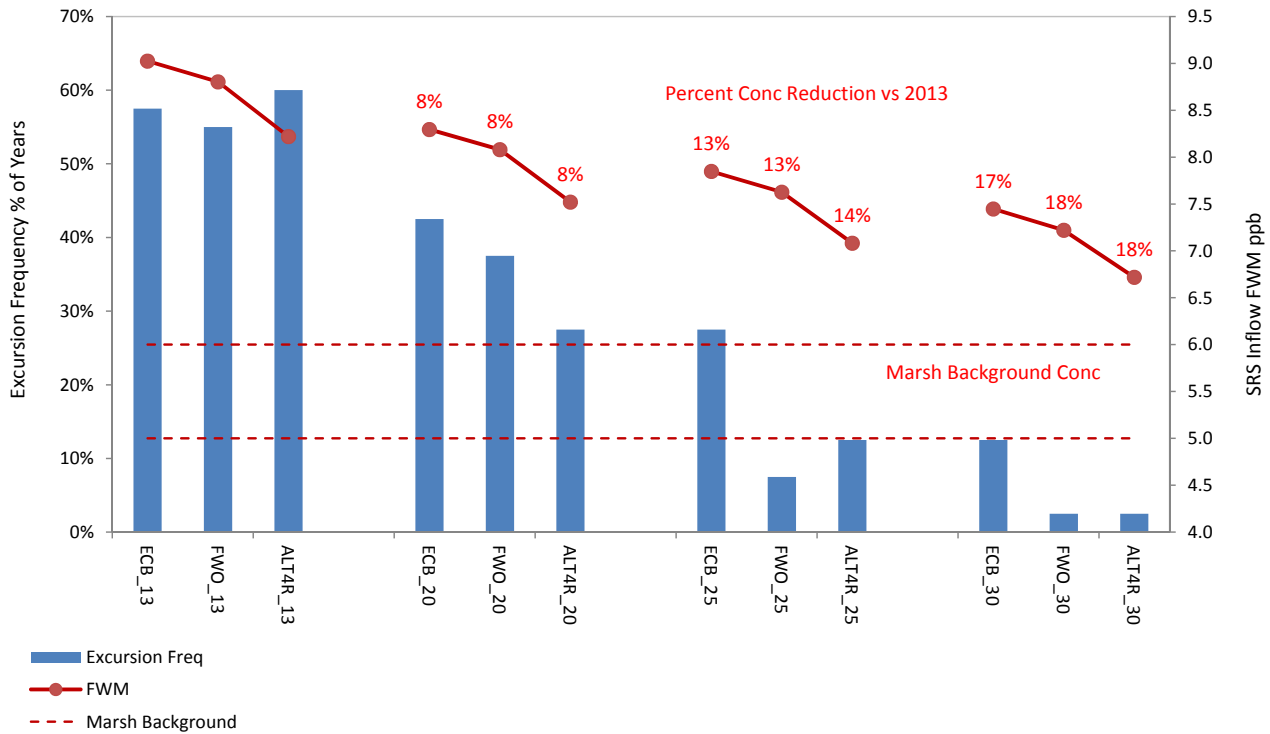
<u>Mass Balance</u>	<u>Flow & Load</u>	<u>Concentration</u>
East	S12D + S333 + S345G + S345F	Ceast x (1 - Re)
West	S12 A + B + C	Cwest x (1 - Rw)
3B	S355x+S356	Cwest x (1 - Rw)
S334	Min (S334, S333)	Ceast x (1 - Re)
ENP	Basin - S334	Load/Flow
Basin	East + West + 3B	Load/Flow

flow used to compute limit

Excursion Frequencies & SRS Inflow Concentration vs. CEPP Alternative & Base Year

D R A F T

Method: Flow



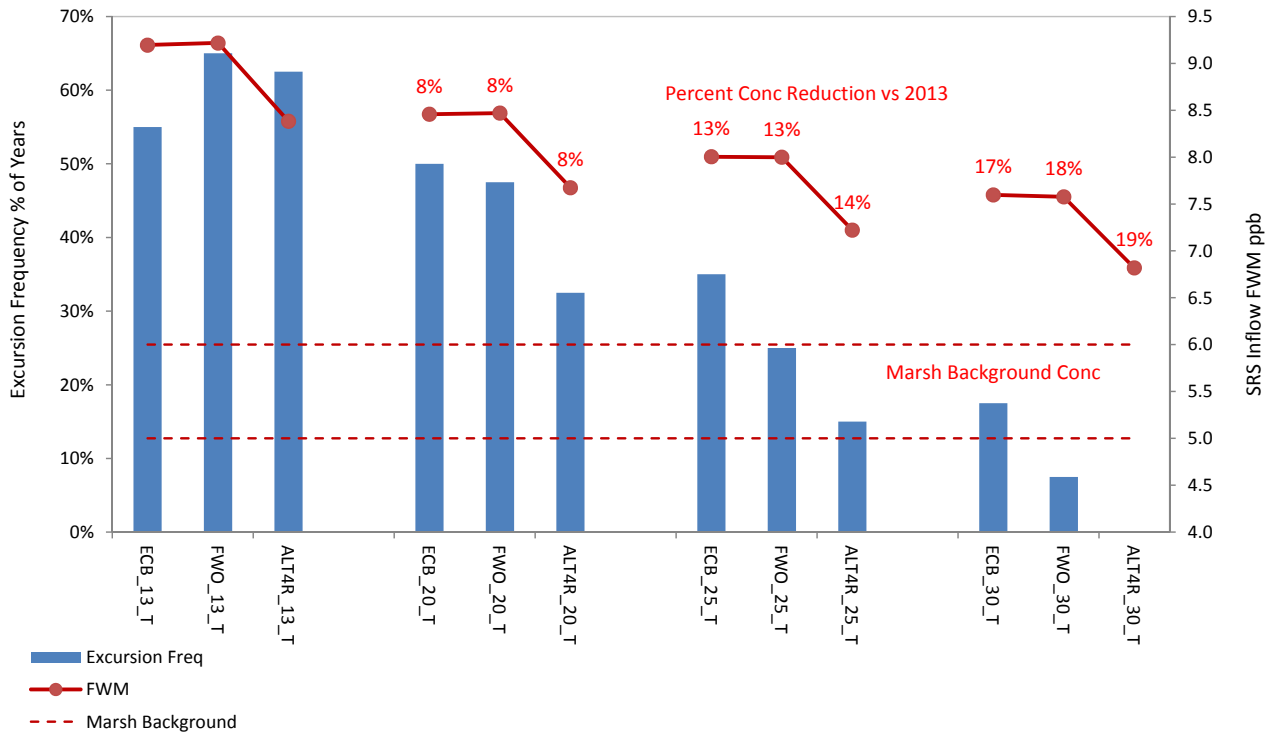
Input Assumptions	ECB_13	FWO_13	ALT4R_13	ECB_20	FWO_20	ALT4R_20	ECB_25	FWO_25	ALT4R_25	ECB_30	FWO_30	ALT4R_30
Base Year	2013	2013	2013	2020	2020	2020	2025	2025	2025	2030	2030	2030
C WCA-3B (0 = West)	0	0	0	0	0	0	0	0	0	0	0	0
East Conc Reduc	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
West Conc Reduc	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Use Annual Model	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Annual Method	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW	FLOW
Use SFWMD Equations	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Constrain Model Ranges	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Alternative	ECB	FWO	ALT4R	ECB	FWO	ALT4R	ECB	FWO	ALT4R	ECB	FWO	ALT4R
Excursion Freq	58%	55%	60%	43%	38%	28%	28%	8%	13%	13%	3%	3%
FWM ENP ppb	9.0	8.8	8.2	8.3	8.1	7.5	7.8	7.6	7.1	7.4	7.2	6.7
FWM East	10.2	9.9	8.5	9.3	9.0	7.8	8.8	8.5	7.3	8.3	8.0	6.9
FWM West	7.3	7.6	7.2	6.7	7.0	6.6	6.4	6.6	6.3	6.2	6.3	6.1
FWM 3B Out	7.5	8.1	7.7	6.9	7.4	7.0	6.5	6.9	6.6	6.1	6.5	6.4
FWM Total Basin	9.1	8.9	8.2	8.3	8.1	7.5	7.9	7.7	7.1	7.5	7.3	6.7
Basin Flow kac-ft	842	830	1155	842	830	1155	842	830	1155	842	830	1155
East Flow	519	461	886	519	461	886	519	461	886	519	461	886
West Flow	312	368	197	312	368	197	312	368	197	312	368	197
WCA3B Flow	11	2	71	11	2	71	11	2	71	11	2	71
S334 Flow	45	46	0	45	46	0	45	46	0	45	46	0
ENP Inflow	797	784	1155	797	784	1155	797	784	1155	797	784	1155
Sheet Flow %	18%	33%	88%	18%	33%	88%	18%	33%	88%	18%	33%	88%
West Flow %	36%	41%	12%	36%	41%	12%	36%	41%	12%	36%	41%	12%

Existing trends are extrapolated to 2020-2030 to provide basis for comparison of CEPP alternatives under different hypothetical concentration regimes. Concentration reductions are expected to result from existing trends & implementation of additional load-reduction measures over the 2013-2025 period. These are not "forecasts". The actual time frames and trajectories of the concentration trends are unknown.

Excursion Frequencies & SRS Inflow Concentration vs. CEPP Alternative & Base Year

D R A F T

Method: Transect

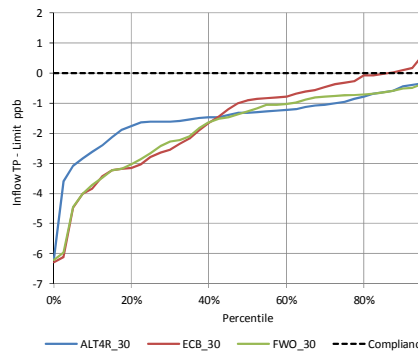
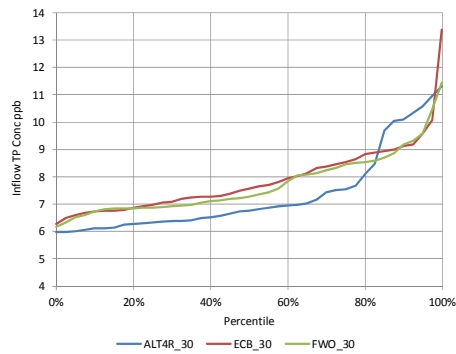
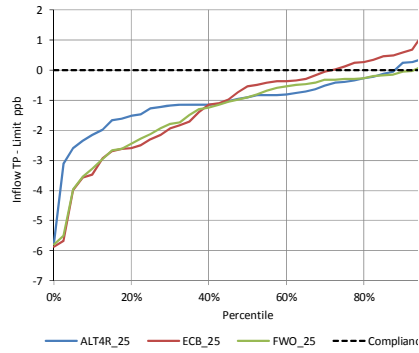
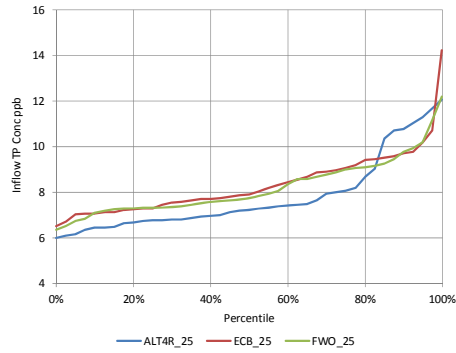
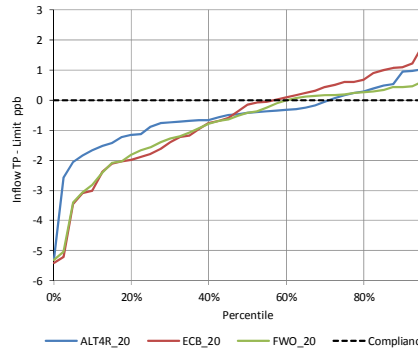
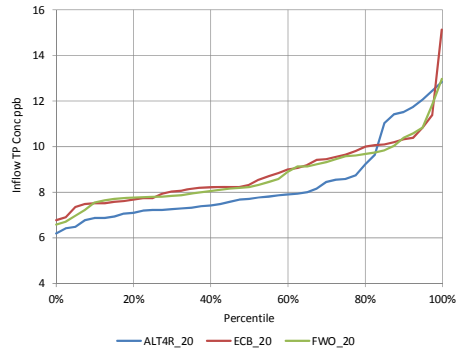
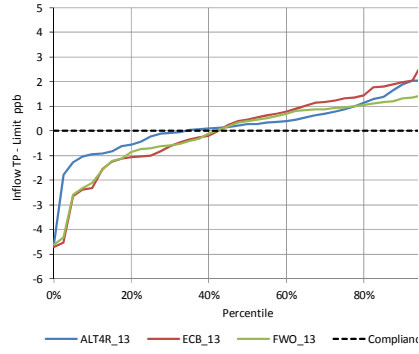
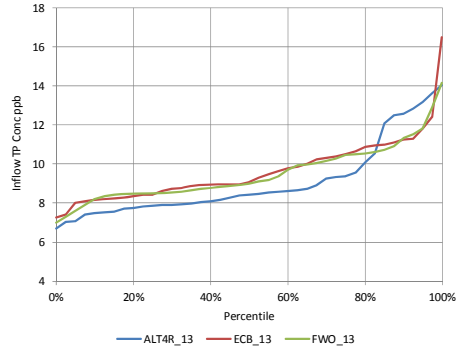
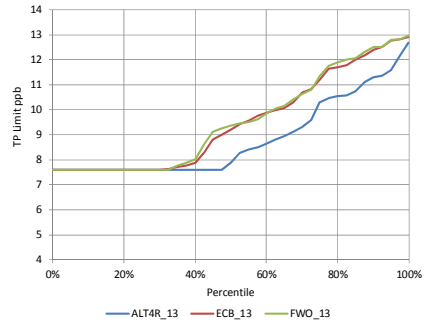
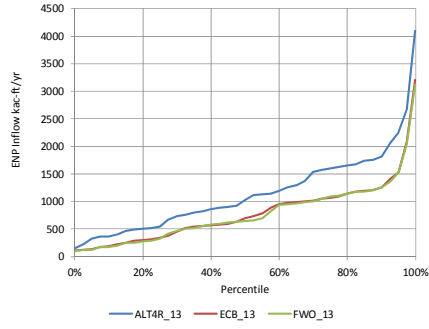


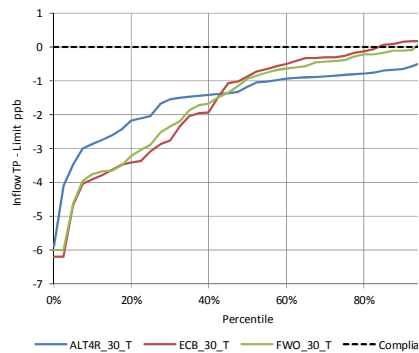
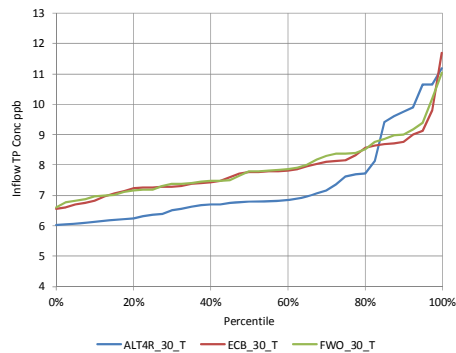
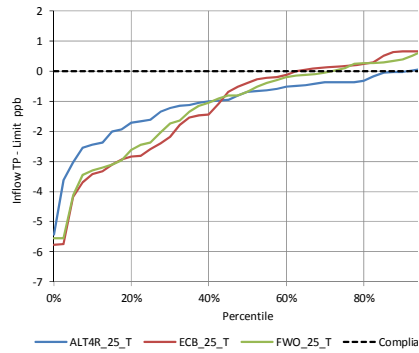
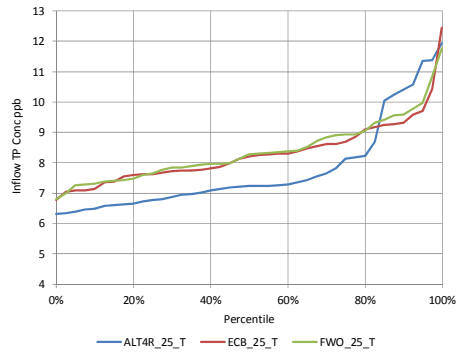
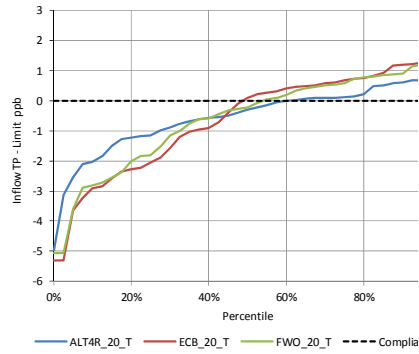
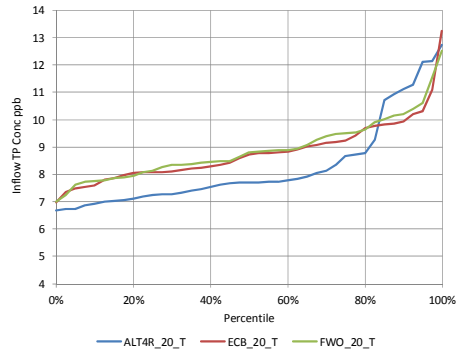
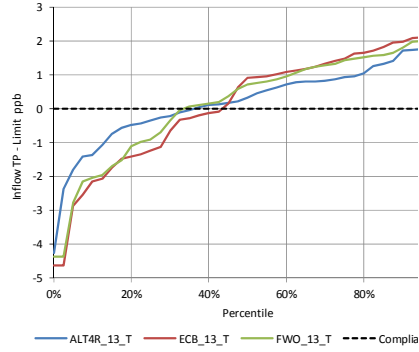
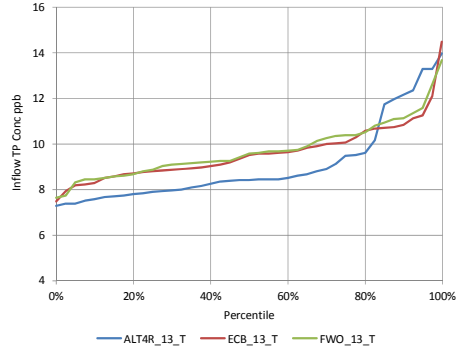
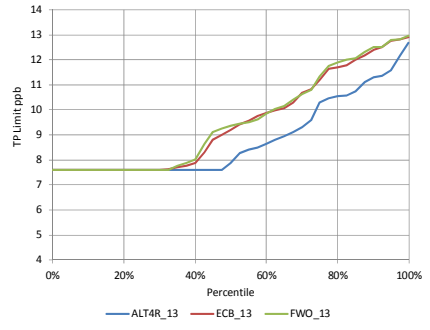
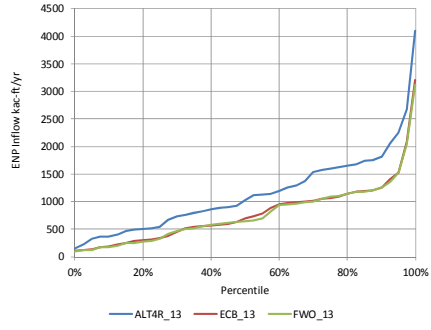
Input Assumptions	ECB_13_T	FWO_13_T	ALT4R_13_T	ECB_20_T	FWO_20_T	ALT4R_20_T	ECB_25_T	FWO_25_T	ALT4R_25_T	ECB_30_T	FWO_30_T	ALT4R_30_T
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Use Annual Model	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Annual Method	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS	TRANS
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Constrain Model Ranges	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE	TRUE
Alternative	ECB	FWO	ALT4R	ECB	FWO	ALT4R	ECB	FWO	ALT4R	ECB	FWO	ALT4R
Excursion Freq	55%	65%	63%	50%	48%	33%	35%	25%	15%	18%	8%	0%
FWM ENP ppb	9.2	9.2	8.4	8.5	8.5	7.7	8.0	8.0	7.2	7.6	7.6	6.8
FWM East	10.4	10.7	8.7	9.6	9.8	8.0	9.1	9.2	7.5	8.5	8.7	7.0
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Sheet Flow %	20%	22%	89%	20%	22%	89%	20%	22%	89%	20%	22%	89%
West Flow %	36%	41%	12%	36%	41%	12%	36%	41%	12%	36%	41%	12%

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Frequency Distributions for Flow Method

DRAFT 3/15/2013



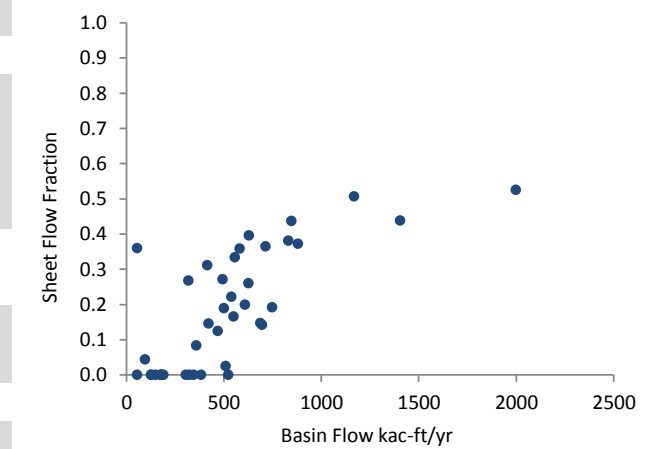
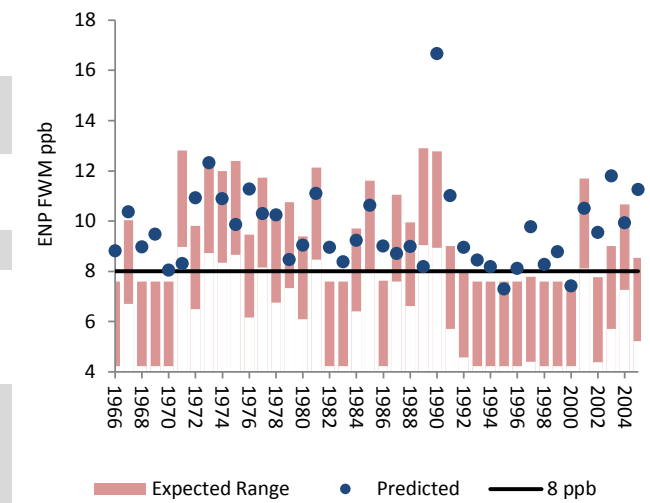
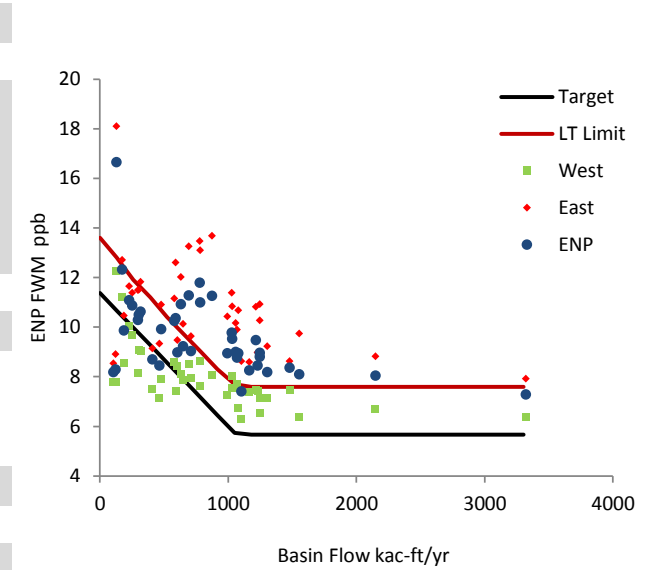


Alternative: ECB
 Sheet Flow Method: FLOW

Base Yr: 2013
 Scenario: ECB_13

Excursion Frequency: 58%
 ENP FWM Inflow Conc ppb: 9.0

Wtr Yr	Basin Flow		Sheet Fraction	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	
	kac-ft	East Flow kac-ft		RegWest	RegEast						C-Limit	C-Limit
1966	1249	688	15%	7.1	10.3	7.1	10.8	10.3	8.8	7.6	1.2	
1967	591	358	8%	7.4	12.6	7.4	13.1	12.6	10.4	10.0	0.3	
1968	1248	696	14%	6.5	10.9	6.5	11.7	10.9	9.0	7.6	1.4	
1969	1218	749	19%	7.5	10.8	7.5	11.6	10.8	9.5	7.6	1.9	
1970	2150	1404	44%	6.7	8.8	6.7	10.5	8.8	8.0	7.6	0.4	
1971	123	56	0%	7.8	8.9	7.8	8.9	8.9	8.3	12.8	-4.5	
1972	631	468	12%	8.1	12.0	8.1	12.6	12.0	10.9	9.8	1.1	
1973	173	128	0%	11.2	12.7	11.2	12.7	12.7	12.3	12.5	-0.2	
1974	255	179	0%	9.7	11.4	9.7	11.4	11.4	10.9	12.0	-1.1	
1975	188	129	0%	8.5	10.5	8.5	10.5	10.5	9.9	12.4	-2.5	
1976	695	422	15%	8.5	13.2	8.5	14.1	13.2	11.3	9.5	1.8	
1977	299	190	0%	8.2	11.5	8.2	11.5	11.5	10.3	11.7	-1.4	
1978	580	383	0%	8.6	11.2	8.6	11.2	11.2	10.2	10.1	0.1	
1979	465	306	0%	7.1	9.3	7.1	9.3	9.3	8.4	10.7	-2.3	
1980	711	494	27%	8.0	9.6	8.0	10.3	9.6	9.0	9.4	-0.4	
1981	231	149	0%	10.0	11.6	10.0	11.6	11.6	11.1	12.1	-1.1	
1982	1082	626	26%	6.7	10.7	6.7	12.1	10.7	8.9	7.6	1.3	
1983	1481	1169	51%	7.5	8.6	7.5	9.8	8.6	8.4	7.6	0.8	
1984	650	415	31%	7.9	10.1	7.9	11.1	10.1	9.2	9.7	-0.5	
1985	318	180	0%	9.0	11.8	9.0	11.8	11.8	10.6	11.6	-1.0	
1986	1060	628	40%	7.5	10.2	7.5	11.9	10.2	9.0	7.6	1.4	
1987	412	319	27%	7.5	9.1	7.5	9.7	9.1	8.7	11.1	-2.4	
1988	606	346	0%	8.4	9.5	8.4	9.5	9.5	9.0	9.9	-1.0	
1989	108	56	36%	7.8	8.5	7.8	9.0	8.5	8.2	12.9	-4.7	
1990	129	97	4%	12.3	18.1	12.3	18.4	18.1	16.6	12.8	3.9	
1991	782	501	19%	7.6	13.1	7.6	14.4	13.1	11.0	9.0	2.0	
1992	993	550	17%	7.3	10.4	7.3	11.1	10.4	8.9	7.9	1.0	
1993	1232	848	44%	7.4	9.0	7.4	10.2	9.0	8.4	7.6	0.8	
1994	1305	715	37%	7.1	9.2	7.1	10.4	9.2	8.2	7.6	0.6	
1995	3324	1997	52%	6.4	7.9	6.4	9.6	7.9	7.3	7.6	-0.3	
1996	1555	831	38%	6.4	9.7	6.4	11.8	9.7	8.1	7.6	0.5	
1997	1028	609	20%	7.5	11.4	7.5	12.3	11.4	9.8	7.8	2.0	
1998	1167	881	37%	7.4	8.6	7.4	9.3	8.6	8.3	7.6	0.7	
1999	1072	557	33%	7.7	9.9	7.7	11.0	9.9	8.8	7.6	1.2	
2000	1106	539	22%	6.3	8.6	6.3	9.3	8.6	7.4	7.6	-0.2	
2001	304	177	0%	9.1	11.5	9.1	11.5	11.5	10.5	11.7	-1.2	
2002	1031	582	36%	8.0	10.8	8.0	12.4	10.8	9.5	7.8	1.8	
2003	781	523	0%	8.6	13.5	8.6	13.5	13.5	11.8	9.0	2.8	
2004	479	323	0%	7.9	10.9	7.9	10.9	10.9	9.9	10.7	-0.8	
2005	874	510	2%	8.1	13.7	8.1	13.8	13.7	11.3	8.5	2.7	

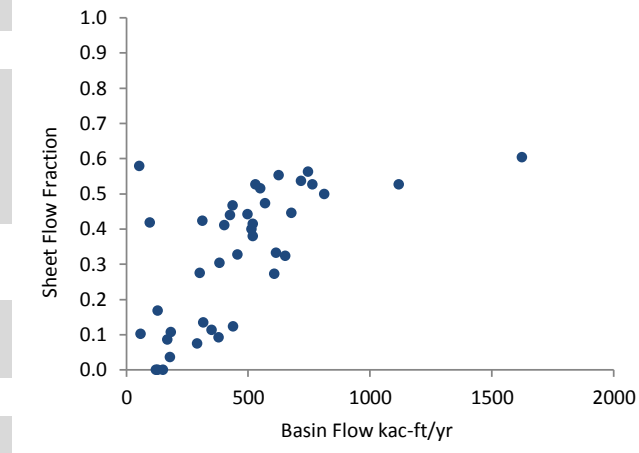
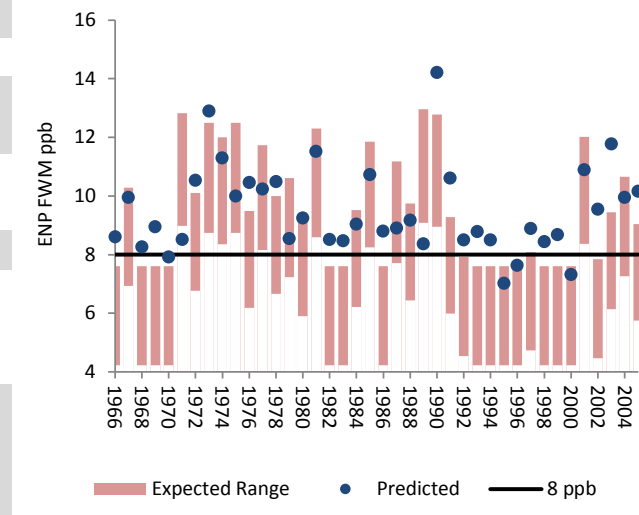
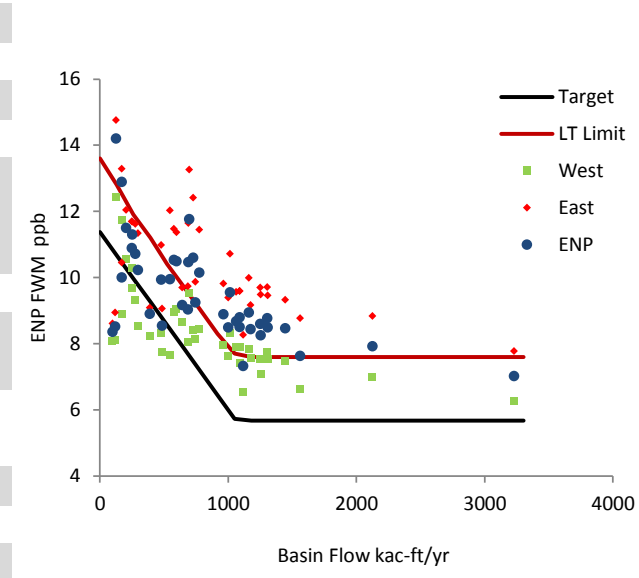


Alternative: FWO
 Sheet Flow Method: FLOW

Base Yr: 2013
 Scenario: FWO_13

Excursion Frequency: 55%
 ENP FWM Inflow Conc ppb: 8.8

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	C-Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast							
1966	1251	652	32%	7.5	10.3	7.5	10.7	9.7	8.6	7.6		1.0
1967	546	302	27%	7.7	13.2	7.7	13.7	12.0	9.9	10.3		-0.3
1968	1254	616	33%	7.1	10.2	7.1	10.7	9.5	8.3	7.6		0.7
1969	1163	608	27%	7.8	10.2	7.8	10.8	10.0	8.9	7.6		1.3
1970	2128	1119	53%	7.0	9.2	7.0	10.9	8.8	7.9	7.6		0.3
1971	121	58	10%	8.1	9.0	8.1	9.0	8.9	8.5	12.8		-4.3
1972	579	382	30%	8.9	12.1	8.9	12.6	11.5	10.5	10.1		0.4
1973	172	129	0%	11.7	13.3	11.7	13.3	13.3	12.9	12.5		0.4
1974	254	183	11%	10.3	11.9	10.3	11.9	11.7	11.3	12.0		-0.7
1975	173	122	0%	8.9	10.4	8.9	10.4	10.4	10.0	12.5		-2.5
1976	692	403	41%	9.0	12.8	9.0	13.4	11.6	10.5	9.5		1.0
1977	297	180	4%	8.5	11.4	8.5	11.4	11.3	10.2	11.7		-1.5
1978	599	379	9%	9.0	11.6	9.0	11.6	11.4	10.5	10.0		0.5
1979	487	316	13%	7.7	9.3	7.7	9.3	9.1	8.5	10.6		-2.1
1980	747	514	40%	8.1	10.2	8.1	11.0	9.9	9.2	9.2		0.0
1981	204	129	17%	10.6	12.3	10.6	12.3	12.0	11.5	12.3		-0.8
1982	1089	570	47%	7.4	10.5	7.4	11.5	9.6	8.5	7.6		0.9
1983	1447	812	50%	7.5	9.3	7.5	11.2	9.3	8.5	7.6		0.9
1984	686	436	47%	8.0	10.2	8.0	11.2	9.7	9.0	9.5		-0.5
1985	278	168	9%	9.3	11.8	9.3	11.8	11.6	10.7	11.9		-1.1
1986	1091	626	55%	7.9	10.2	7.9	11.7	9.6	8.8	7.6		1.2
1987	390	312	42%	8.2	9.3	8.2	9.7	9.1	8.9	11.2		-2.3
1988	643	350	11%	8.7	9.8	8.7	9.8	9.7	9.2	9.7		-0.6
1989	98	53	58%	8.1	8.9	8.1	9.3	8.6	8.4	13.0		-4.6
1990	127	96	42%	12.4	16.3	12.4	16.4	14.8	14.2	12.8		1.4
1991	729	426	44%	8.4	14.2	8.4	15.6	12.4	10.6	9.3		1.3
1992	1001	519	38%	7.6	10.0	7.6	10.5	9.4	8.5	7.9		0.6
1993	1306	747	56%	7.7	10.3	7.7	12.2	9.7	8.8	7.6		1.2
1994	1311	717	54%	7.5	10.2	7.5	11.7	9.5	8.5	7.6		0.9
1995	3230	1623	60%	6.3	8.1	6.3	10.0	7.8	7.0	7.6		-0.6
1996	1563	763	53%	6.6	9.4	6.6	11.2	8.8	7.6	7.6		0.0
1997	964	498	44%	7.9	10.6	7.9	11.3	9.8	8.9	8.1		0.8
1998	1175	678	45%	7.6	9.4	7.6	10.5	9.2	8.4	7.6		0.8
1999	1064	530	53%	7.9	10.2	7.9	11.4	9.6	8.7	7.6		1.1
2000	1120	520	41%	6.5	8.8	6.5	9.5	8.3	7.3	7.6		-0.3
2001	251	150	0%	9.7	11.7	9.7	11.7	11.7	10.9	12.0		-1.1
2002	1016	550	51%	8.3	11.5	8.3	13.3	10.7	9.5	7.8		1.7
2003	699	439	12%	9.5	13.8	9.5	13.8	13.3	11.8	9.4		2.3
2004	480	291	7%	8.3	11.2	8.3	11.2	11.0	9.9	10.7		-0.7
2005	775	457	33%	8.4	12.8	8.4	12.9	11.4	10.1	9.0		1.1

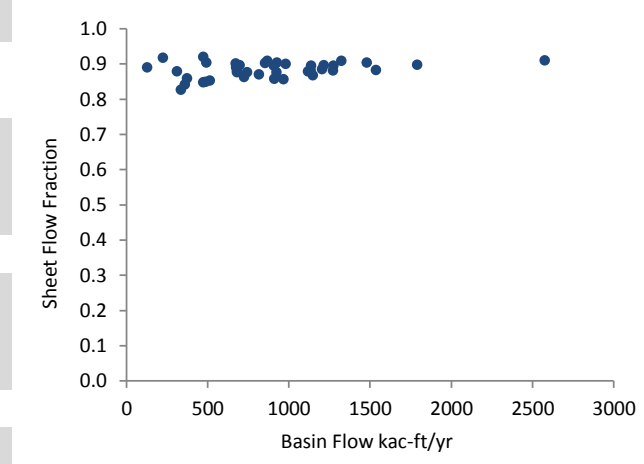
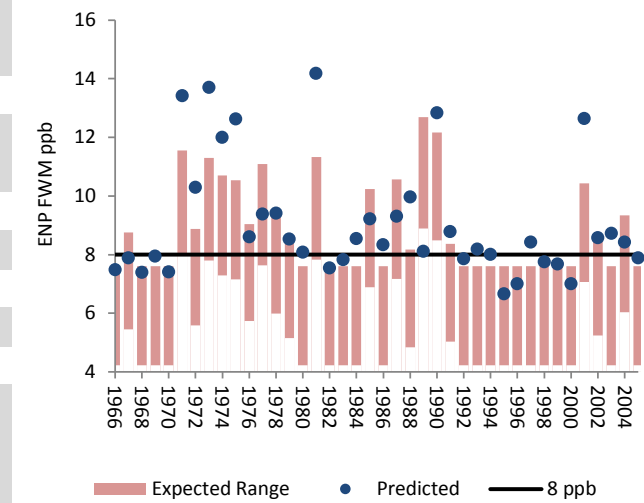
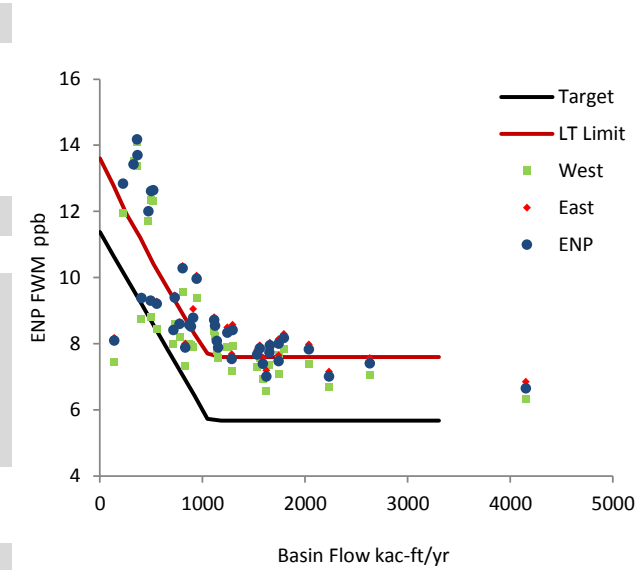


Alternative: ALT4R
 Sheet Flow Method: FLOW

Base Yr: 2013
 Scenario: ALT4R_13

Excursion Frequency: 60%
 ENP FWM Inflow Conc ppb: 8.2

Wtr Yr	Basin Flow		Sheet Fraction	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	C-Limit
	kac-ft	East Flow kac-ft		RegWest	RegEast							
1966	1744	1205	88%	7.1	11.2	7.1	12.0	7.6	7.5	7.6		-0.1
1967	832	681	88%	7.3	12.4	7.3	12.8	8.0	7.9	8.8		-0.9
1968	1589	1118	88%	6.9	11.5	6.9	12.3	7.6	7.4	7.6		-0.2
1969	1660	1216	90%	7.7	10.0	7.7	10.6	8.0	7.9	7.6		0.3
1970	2633	1790	90%	7.1	9.8	7.1	12.0	7.6	7.4	7.6		-0.2
1971	329	313	88%	13.5	12.6	13.5	12.6	13.4	13.4	11.5		1.9
1972	807	743	88%	9.6	15.1	9.6	15.9	10.3	10.3	8.9		1.4
1973	370	361	84%	13.4	15.5	13.4	15.5	13.7	13.7	11.3		2.4
1974	474	474	92%	11.7	15.4	11.7	15.4	12.0	12.0	10.7		1.3
1975	502	494	90%	12.3	15.3	12.3	15.3	12.6	12.6	10.5		2.1
1976	777	682	88%	8.2	11.5	8.2	12.1	8.7	8.6	9.0		-0.4
1977	406	375	86%	8.8	13.4	8.8	13.4	9.4	9.4	11.1		-1.7
1978	730	675	90%	8.6	17.4	8.6	17.4	9.5	9.4	9.3		0.1
1979	888	854	90%	7.9	14.1	7.9	14.1	8.5	8.5	8.5		0.1
1980	1142	982	90%	7.8	10.3	7.8	11.3	8.1	8.1	7.6		0.5
1981	364	335	83%	14.1	14.7	14.1	14.7	14.2	14.2	11.3		2.8
1982	1288	926	90%	7.2	11.0	7.2	12.4	7.7	7.5	7.6		-0.1
1983	2038	1537	88%	7.4	9.9	7.4	12.5	8.0	7.8	7.6		0.2
1984	1126	925	88%	8.2	10.3	8.2	11.3	8.6	8.5	7.6		0.9
1985	554	513	85%	8.5	14.0	8.5	14.0	9.3	9.2	10.2		-1.0
1986	1246	911	86%	7.9	10.4	7.9	12.0	8.5	8.3	7.6		0.7
1987	498	475	85%	8.8	11.4	8.8	12.3	9.3	9.3	10.6		-1.3
1988	946	818	87%	9.4	14.5	9.4	14.5	10.0	10.0	8.2		1.8
1989	141	128	89%	7.4	11.7	7.4	14.1	8.2	8.1	12.7		-4.6
1990	226	225	92%	12.0	22.1	12.0	22.6	12.8	12.8	12.2		0.7
1991	909	697	90%	7.9	16.9	7.9	19.0	9.0	8.8	8.4		0.4
1992	1562	1148	87%	7.6	10.0	7.6	10.5	7.9	7.8	7.6		0.2
1993	1794	1325	91%	7.8	10.6	7.8	12.7	8.3	8.2	7.6		0.6
1994	1744	1273	88%	7.6	10.3	7.6	11.8	8.1	8.0	7.6		0.4
1995	4155	2576	91%	6.3	9.1	6.3	12.2	6.8	6.6	7.6		-1.0
1996	2235	1480	90%	6.7	9.6	6.7	11.4	7.2	7.0	7.6		-0.6
1997	1294	969	86%	7.9	11.4	7.9	12.3	8.6	8.4	7.6		0.8
1998	1652	1276	89%	7.4	10.2	7.4	12.0	7.8	7.7	7.6		0.1
1999	1533	1139	89%	7.3	10.4	7.3	12.0	7.8	7.7	7.6		0.1
2000	1622	1136	88%	6.5	10.7	6.5	11.9	7.2	7.0	7.6		-0.6
2001	520	488	85%	12.3	14.5	12.3	14.5	12.7	12.6	10.4		2.2
2002	871	724	86%	8.0	11.2	8.0	13.0	8.7	8.6	8.6		0.0
2003	1114	909	90%	8.4	12.2	8.4	12.2	8.8	8.7	7.6		1.1
2004	719	677	89%	8.0	12.2	8.0	12.2	8.4	8.4	9.3		-0.9
2005	1154	869	91%	7.6	12.2	7.6	12.3	8.0	7.9	7.6		0.3

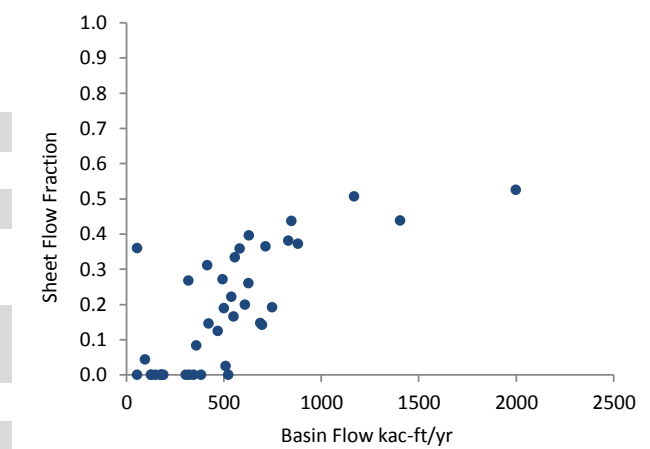
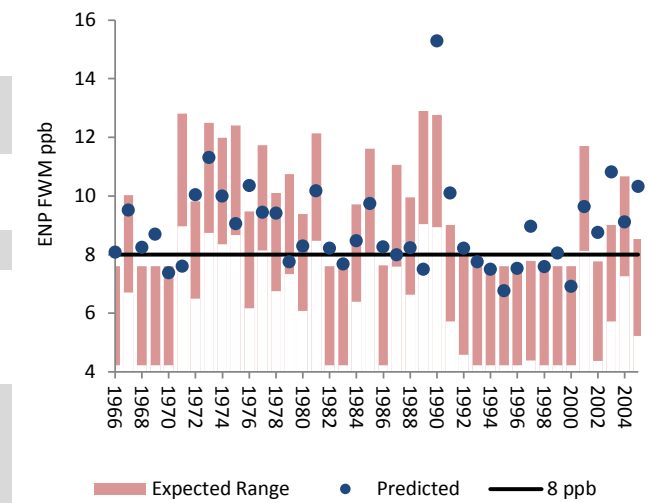
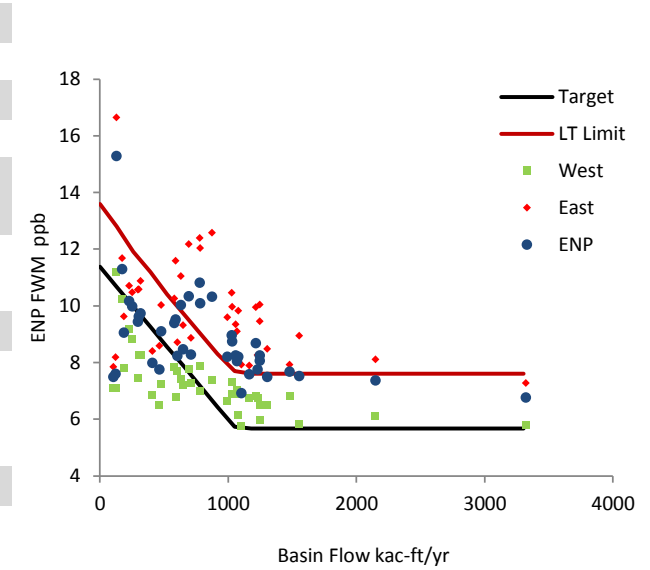


Alternative: ECB
 Sheet Flow Method: FLOW

Base Yr: 2020
 Scenario: ECB_20

Excursion Frequency: 43%
 ENP FWM Inflow Conc ppb: 8.3

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1249	688	15%	6.5	9.4	6.5	10.0	9.4	8.1	7.6	0.5
1967	591	358	8%	6.8	11.6	6.8	12.0	11.6	9.5	10.0	-0.5
1968	1248	696	14%	6.0	10.0	6.0	10.7	10.0	8.2	7.6	0.6
1969	1218	749	19%	6.8	9.9	6.8	10.7	9.9	8.7	7.6	1.1
1970	2150	1404	44%	6.1	8.1	6.1	9.7	8.1	7.4	7.6	-0.2
1971	123	56	0%	7.1	8.2	7.1	8.2	8.2	7.6	12.8	-5.2
1972	631	468	12%	7.4	11.1	7.4	11.6	11.1	10.0	9.8	0.2
1973	173	128	0%	10.2	11.7	10.2	11.7	11.7	11.3	12.5	-1.2
1974	255	179	0%	8.8	10.5	8.8	10.5	10.5	10.0	12.0	-2.0
1975	188	129	0%	7.8	9.6	7.8	9.6	9.6	9.0	12.4	-3.4
1976	695	422	15%	7.8	12.2	7.8	12.9	12.2	10.3	9.5	0.9
1977	299	190	0%	7.4	10.6	7.4	10.6	10.6	9.4	11.7	-2.3
1978	580	383	0%	7.8	10.3	7.8	10.3	10.3	9.4	10.1	-0.7
1979	465	306	0%	6.5	8.6	6.5	8.6	8.6	7.7	10.7	-3.0
1980	711	494	27%	7.3	8.9	7.3	9.5	8.9	8.3	9.4	-1.1
1981	231	149	0%	9.2	10.7	9.2	10.7	10.7	10.2	12.1	-2.0
1982	1082	626	26%	6.1	9.8	6.1	11.1	9.8	8.2	7.6	0.6
1983	1481	1169	51%	6.8	7.9	6.8	9.1	7.9	7.7	7.6	0.1
1984	650	415	31%	7.2	9.3	7.2	10.3	9.3	8.5	9.7	-1.2
1985	318	180	0%	8.2	10.9	8.2	10.9	10.9	9.7	11.6	-1.9
1986	1060	628	40%	6.9	9.3	6.9	10.9	9.3	8.2	7.6	0.6
1987	412	319	27%	6.8	8.4	6.8	9.0	8.4	8.0	11.1	-3.1
1988	606	346	0%	7.7	8.7	7.7	8.7	8.7	8.2	9.9	-1.7
1989	108	56	36%	7.1	7.9	7.1	8.3	7.9	7.5	12.9	-5.4
1990	129	97	4%	11.2	16.6	11.2	16.9	16.6	15.3	12.8	2.5
1991	782	501	19%	7.0	12.0	7.0	13.2	12.0	10.1	9.0	1.1
1992	993	550	17%	6.6	9.6	6.6	10.2	9.6	8.2	7.9	0.2
1993	1232	848	44%	6.8	8.3	6.8	9.4	8.3	7.7	7.6	0.1
1994	1305	715	37%	6.5	8.5	6.5	9.6	8.5	7.5	7.6	-0.1
1995	3324	1997	52%	5.8	7.3	5.8	8.9	7.3	6.8	7.6	-0.8
1996	1555	831	38%	5.8	8.9	5.8	10.9	8.9	7.5	7.6	-0.1
1997	1028	609	20%	6.9	10.5	6.9	11.4	10.5	9.0	7.8	1.2
1998	1167	881	37%	6.7	7.9	6.7	8.6	7.9	7.6	7.6	0.0
1999	1072	557	33%	7.0	9.1	7.0	10.1	9.1	8.0	7.6	0.4
2000	1106	539	22%	5.8	7.9	5.8	8.5	7.9	6.9	7.6	-0.7
2001	304	177	0%	8.3	10.6	8.3	10.6	10.6	9.6	11.7	-2.1
2002	1031	582	36%	7.3	10.0	7.3	11.4	10.0	8.7	7.8	1.0
2003	781	523	0%	7.9	12.4	7.9	12.4	12.4	10.8	9.0	1.8
2004	479	323	0%	7.2	10.0	7.2	10.0	10.0	9.1	10.7	-1.6
2005	874	510	2%	7.4	12.6	7.4	12.7	12.6	10.3	8.5	1.8

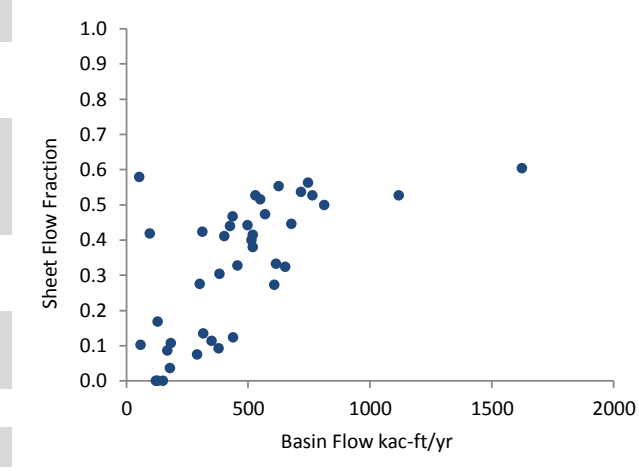
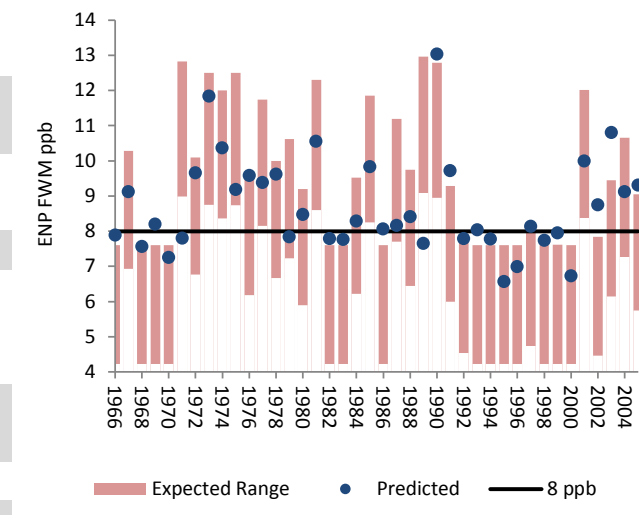
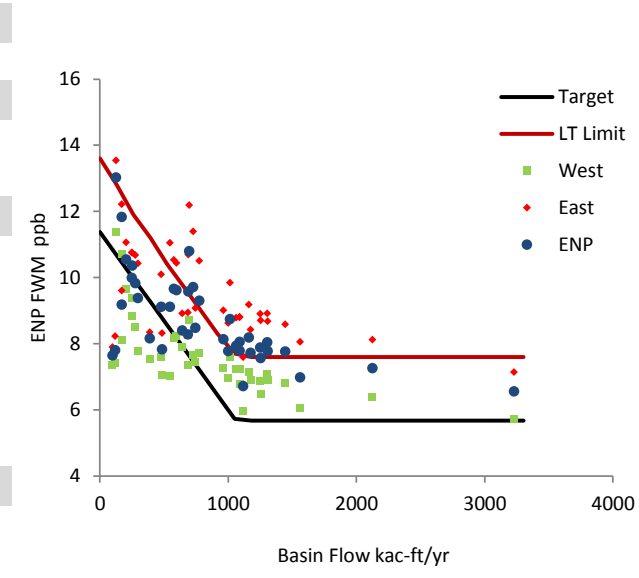


Alternative: FWO
 Sheet Flow Method: FLOW

Base Yr: 2020
 Scenario: FWO_20

Excursion Frequency: 38%
 ENP FWM Inflow Conc ppb: 8.1

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	C-Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast							
1966	1251	652	32%	6.9	9.4	6.9	9.9	8.9	7.9	7.6		0.3
1967	546	302	27%	7.0	12.1	7.0	12.6	11.0	9.1	10.3		-1.2
1968	1254	616	33%	6.5	9.3	6.5	9.8	8.7	7.6	7.6		0.0
1969	1163	608	27%	7.2	9.4	7.2	9.9	9.2	8.2	7.6		0.6
1970	2128	1119	53%	6.4	8.4	6.4	10.1	8.1	7.2	7.6		-0.4
1971	121	58	10%	7.4	8.3	7.4	8.3	8.2	7.8	12.8		-5.0
1972	579	382	30%	8.2	11.1	8.2	11.6	10.5	9.6	10.1		-0.5
1973	172	129	0%	10.7	12.2	10.7	12.2	12.2	11.8	12.5		-0.7
1974	254	183	11%	9.4	10.9	9.4	10.9	10.7	10.4	12.0		-1.6
1975	173	122	0%	8.1	9.6	8.1	9.6	9.6	9.2	12.5		-3.3
1976	692	403	41%	8.3	11.8	8.3	12.4	10.7	9.6	9.5		0.1
1977	297	180	4%	7.8	10.5	7.8	10.5	10.4	9.4	11.7		-2.4
1978	599	379	9%	8.2	10.7	8.2	10.7	10.4	9.6	10.0		-0.4
1979	487	316	13%	7.1	8.5	7.1	8.5	8.3	7.8	10.6		-2.8
1980	747	514	40%	7.4	9.4	7.4	10.2	9.1	8.5	9.2		-0.7
1981	204	129	17%	9.7	11.4	9.7	11.4	11.1	10.5	12.3		-1.8
1982	1089	570	47%	6.8	9.6	6.8	10.6	8.8	7.8	7.6		0.2
1983	1447	812	50%	6.8	8.5	6.8	10.3	8.6	7.8	7.6		0.2
1984	686	436	47%	7.3	9.4	7.3	10.3	8.9	8.3	9.5		-1.2
1985	278	168	9%	8.5	10.9	8.5	10.9	10.7	9.8	11.9		-2.0
1986	1091	626	55%	7.2	9.3	7.2	10.7	8.8	8.1	7.6		0.5
1987	390	312	42%	7.5	8.6	7.5	9.0	8.3	8.2	11.2		-3.0
1988	643	350	11%	7.9	9.0	7.9	9.0	8.9	8.4	9.7		-1.4
1989	98	53	58%	7.4	8.2	7.4	8.6	7.9	7.6	13.0		-5.3
1990	127	96	42%	11.4	14.9	11.4	15.1	13.5	13.0	12.8		0.2
1991	729	426	44%	7.7	13.1	7.7	14.3	11.4	9.7	9.3		0.4
1992	1001	519	38%	7.0	9.2	7.0	9.6	8.6	7.8	7.9		-0.1
1993	1306	747	56%	7.1	9.4	7.1	11.3	8.9	8.0	7.6		0.4
1994	1311	717	54%	6.9	9.3	6.9	10.8	8.7	7.8	7.6		0.2
1995	3230	1623	60%	5.7	7.4	5.7	9.3	7.1	6.6	7.6		-1.0
1996	1563	763	53%	6.0	8.7	6.0	10.3	8.0	7.0	7.6		-0.6
1997	964	498	44%	7.3	9.8	7.3	10.4	9.0	8.1	8.1		0.0
1998	1175	678	45%	6.9	8.6	6.9	9.6	8.4	7.7	7.6		0.1
1999	1064	530	53%	7.2	9.4	7.2	10.5	8.8	7.9	7.6		0.3
2000	1120	520	41%	6.0	8.1	6.0	8.7	7.6	6.7	7.6		-0.9
2001	251	150	0%	8.8	10.8	8.8	10.8	10.8	10.0	12.0		-2.0
2002	1016	550	51%	7.6	10.6	7.6	12.2	9.8	8.7	7.8		0.9
2003	699	439	12%	8.7	12.7	8.7	12.7	12.2	10.8	9.4		1.3
2004	480	291	7%	7.6	10.3	7.6	10.3	10.1	9.1	10.7		-1.5
2005	775	457	33%	7.7	11.8	7.7	11.9	10.5	9.3	9.0		0.3

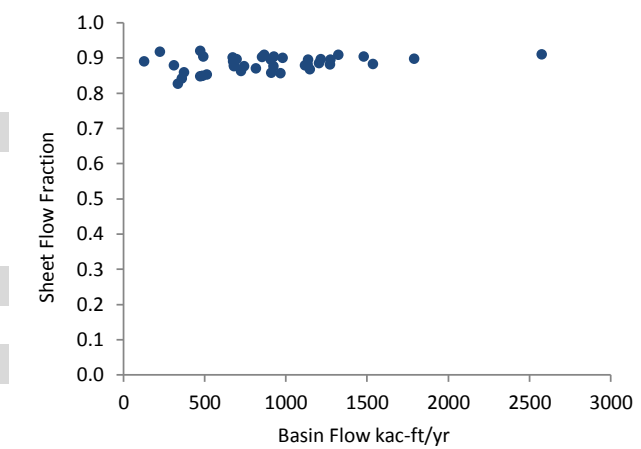
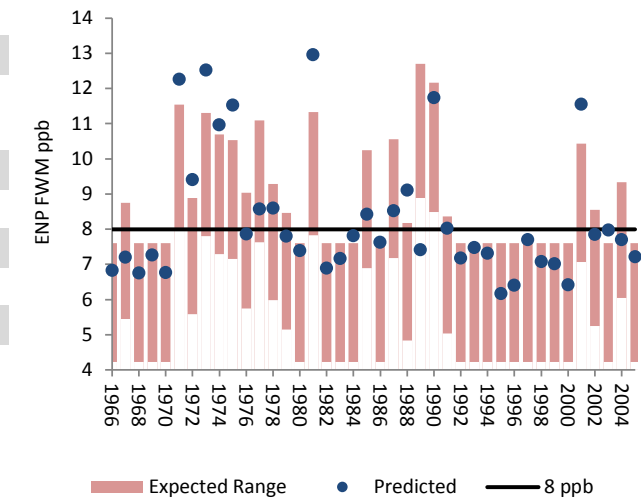
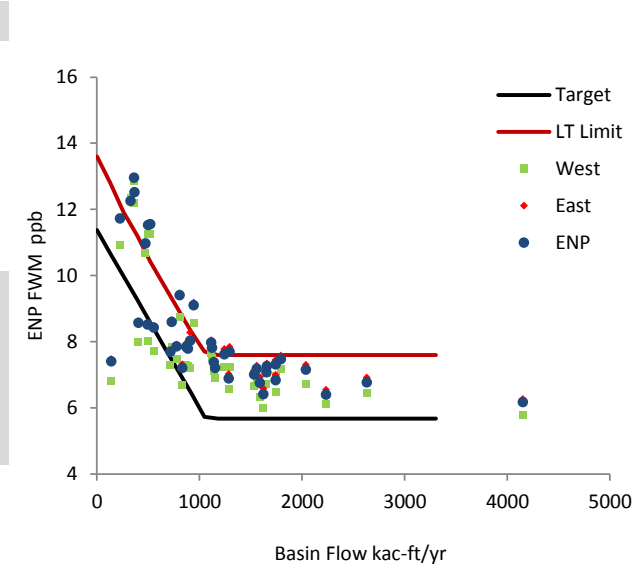


Alternative: ALT4R
 Sheet Flow Method: FLOW

Base Yr: 2020
 Scenario: ALT4R_20

Excursion Frequency: 28%
 ENP FWM Inflow Conc ppb: 7.5

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	C-Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						
1966	1744	1205	88%	6.5	10.3	6.5	11.0	7.0	6.8	7.6	-0.8
1967	832	681	88%	6.7	11.4	6.7	11.8	7.3	7.2	8.8	-1.6
1968	1589	1118	88%	6.3	10.6	6.3	11.3	6.9	6.7	7.6	-0.9
1969	1660	1216	90%	7.1	9.2	7.1	9.7	7.3	7.3	7.6	-0.3
1970	2633	1790	90%	6.4	9.1	6.4	11.1	6.9	6.8	7.6	-0.8
1971	329	313	88%	12.3	11.6	12.3	11.6	12.3	12.3	11.5	0.7
1972	807	743	88%	8.7	13.9	8.7	14.6	9.5	9.4	8.9	0.5
1973	370	361	84%	12.2	14.3	12.2	14.3	12.5	12.5	11.3	1.2
1974	474	474	92%	10.7	14.2	10.7	14.2	11.0	11.0	10.7	0.3
1975	502	494	90%	11.3	14.0	11.3	14.0	11.5	11.5	10.5	1.0
1976	777	682	88%	7.5	10.6	7.5	11.1	7.9	7.9	9.0	-1.2
1977	406	375	86%	8.0	12.4	8.0	12.4	8.6	8.6	11.1	-2.5
1978	730	675	90%	7.8	16.0	7.8	16.0	8.6	8.6	9.3	-0.7
1979	888	854	90%	7.2	13.0	7.2	13.0	7.8	7.8	8.5	-0.7
1980	1142	982	90%	7.1	9.5	7.1	10.4	7.4	7.4	7.6	-0.2
1981	364	335	83%	12.9	13.5	12.9	13.5	13.0	13.0	11.3	1.6
1982	1288	926	90%	6.5	10.1	6.5	11.4	7.0	6.9	7.6	-0.7
1983	2038	1537	88%	6.7	9.1	6.7	11.5	7.3	7.2	7.6	-0.4
1984	1126	925	88%	7.5	9.5	7.5	10.4	7.9	7.8	7.6	0.2
1985	554	513	85%	7.7	12.8	7.7	12.8	8.5	8.4	10.2	-1.8
1986	1246	911	86%	7.2	9.5	7.2	11.1	7.8	7.6	7.6	0.0
1987	498	475	85%	8.0	10.5	8.0	11.3	8.5	8.5	10.6	-2.1
1988	946	818	87%	8.6	13.3	8.6	13.3	9.2	9.1	8.2	0.9
1989	141	128	89%	6.8	10.7	6.8	13.0	7.5	7.4	12.7	-5.3
1990	226	225	92%	10.9	20.4	10.9	20.8	11.7	11.7	12.2	-0.4
1991	909	697	90%	7.2	15.6	7.2	17.5	8.3	8.0	8.4	-0.3
1992	1562	1148	87%	6.9	9.2	6.9	9.6	7.3	7.2	7.6	-0.4
1993	1794	1325	91%	7.2	9.7	7.2	11.7	7.6	7.5	7.6	-0.1
1994	1744	1273	88%	7.0	9.5	7.0	10.9	7.4	7.3	7.6	-0.3
1995	4155	2576	91%	5.8	8.4	5.8	11.3	6.3	6.2	7.6	-1.4
1996	2235	1480	90%	6.1	8.9	6.1	10.5	6.5	6.4	7.6	-1.2
1997	1294	969	86%	7.2	10.5	7.2	11.3	7.8	7.7	7.6	0.1
1998	1652	1276	89%	6.7	9.4	6.7	11.0	7.2	7.1	7.6	-0.5
1999	1533	1139	89%	6.7	9.6	6.7	11.1	7.1	7.0	7.6	-0.6
2000	1622	1136	88%	6.0	9.9	6.0	11.0	6.6	6.4	7.6	-1.2
2001	520	488	85%	11.2	13.3	11.2	13.3	11.6	11.5	10.4	1.1
2002	871	724	86%	7.3	10.3	7.3	12.0	7.9	7.8	8.6	-0.7
2003	1114	909	90%	7.7	11.3	7.7	11.3	8.0	8.0	7.6	0.4
2004	719	677	89%	7.3	11.2	7.3	11.2	7.7	7.7	9.3	-1.6
2005	1154	869	91%	6.9	11.2	6.9	11.3	7.3	7.2	7.6	-0.4

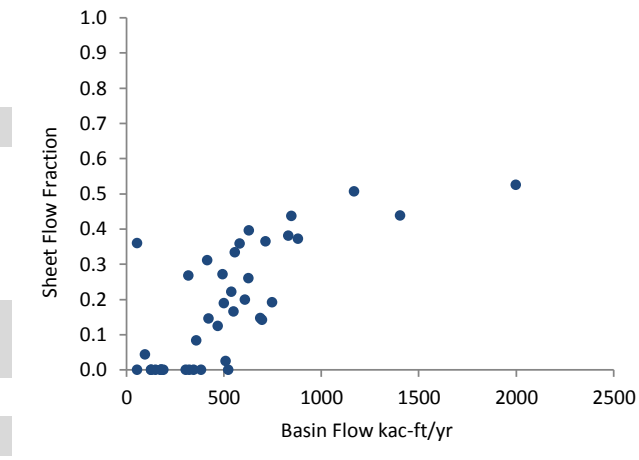
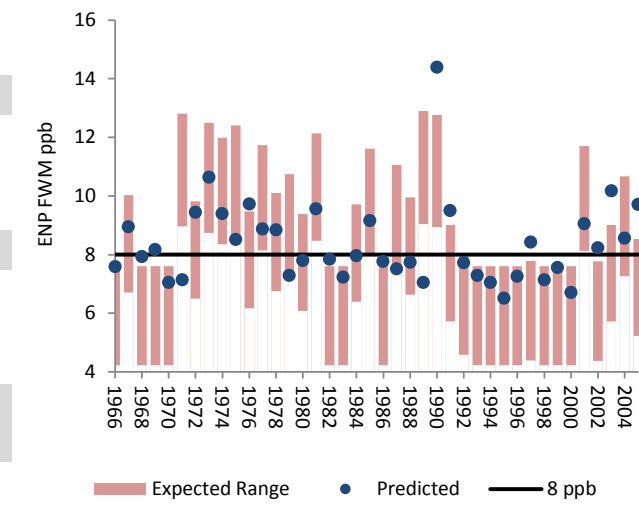
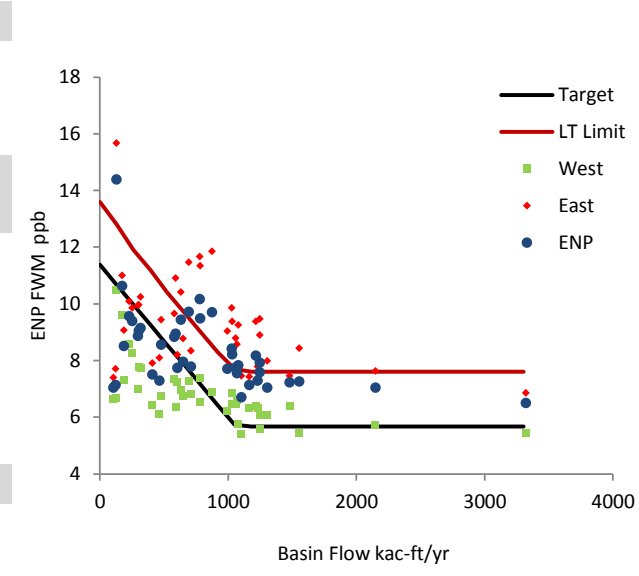


Alternative: ECB
 Sheet Flow Method: FLOW

Base Yr: 2025
 Scenario: ECB_25

Excursion Frequency: 28%
 ENP FWM Inflow Conc ppb: 7.8

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1249	688	15%	6.1	8.9	6.1	9.4	8.9	7.6	7.6	0.0
1967	591	358	8%	6.3	10.9	6.3	11.3	10.9	8.9	10.0	-1.1
1968	1248	696	14%	5.6	9.5	5.6	10.1	9.5	7.9	7.6	0.3
1969	1218	749	19%	6.4	9.4	6.4	10.1	9.4	8.2	7.6	0.6
1970	2150	1404	44%	5.7	7.6	5.7	9.1	7.6	7.0	7.6	-0.6
1971	123	56	0%	6.7	7.7	6.7	7.7	7.7	7.1	12.8	-5.7
1972	631	468	12%	6.9	10.4	6.9	10.9	10.4	9.4	9.8	-0.4
1973	173	128	0%	9.6	11.0	9.6	11.0	11.0	10.6	12.5	-1.9
1974	255	179	0%	8.3	9.9	8.3	9.9	9.9	9.4	12.0	-2.6
1975	188	129	0%	7.3	9.1	7.3	9.1	9.1	8.5	12.4	-3.9
1976	695	422	15%	7.3	11.5	7.3	12.2	11.5	9.7	9.5	0.3
1977	299	190	0%	7.0	9.9	7.0	9.9	9.9	8.9	11.7	-2.9
1978	580	383	0%	7.3	9.7	7.3	9.7	9.7	8.8	10.1	-1.3
1979	465	306	0%	6.1	8.1	6.1	8.1	8.1	7.3	10.7	-3.5
1980	711	494	27%	6.8	8.3	6.8	8.9	8.3	7.8	9.4	-1.6
1981	231	149	0%	8.6	10.1	8.6	10.1	10.1	9.6	12.1	-2.6
1982	1082	626	26%	5.7	9.2	5.7	10.5	9.2	7.8	7.6	0.2
1983	1481	1169	51%	6.4	7.5	6.4	8.6	7.5	7.2	7.6	-0.4
1984	650	415	31%	6.7	8.8	6.7	9.7	8.8	8.0	9.7	-1.8
1985	318	180	0%	7.7	10.2	7.7	10.2	10.2	9.1	11.6	-2.5
1986	1060	628	40%	6.5	8.8	6.5	10.3	8.8	7.8	7.6	0.1
1987	412	319	27%	6.4	7.9	6.4	8.5	7.9	7.5	11.1	-3.5
1988	606	346	0%	7.2	8.2	7.2	8.2	8.2	7.7	9.9	-2.2
1989	108	56	36%	6.7	7.4	6.7	7.8	7.4	7.0	12.9	-5.9
1990	129	97	4%	10.5	15.7	10.5	15.9	15.7	14.4	12.8	1.6
1991	782	501	19%	6.5	11.3	6.5	12.5	11.3	9.5	9.0	0.5
1992	993	550	17%	6.2	9.0	6.2	9.6	9.0	7.7	7.9	-0.2
1993	1232	848	44%	6.3	7.8	6.3	8.9	7.8	7.3	7.6	-0.3
1994	1305	715	37%	6.1	8.0	6.1	9.1	8.0	7.0	7.6	-0.6
1995	3324	1997	52%	5.4	6.9	5.4	8.4	6.9	6.5	7.6	-1.1
1996	1555	831	38%	5.4	8.4	5.4	10.3	8.4	7.2	7.6	-0.4
1997	1028	609	20%	6.5	9.9	6.5	10.7	9.9	8.4	7.8	0.6
1998	1167	881	37%	6.3	7.4	6.3	8.1	7.4	7.1	7.6	-0.5
1999	1072	557	33%	6.6	8.6	6.6	9.6	8.6	7.6	7.6	0.0
2000	1106	539	22%	5.4	7.5	5.4	8.0	7.5	6.7	7.6	-0.9
2001	304	177	0%	7.8	10.0	7.8	10.0	10.0	9.0	11.7	-2.7
2002	1031	582	36%	6.8	9.4	6.8	10.8	9.4	8.2	7.8	0.4
2003	781	523	0%	7.4	11.7	7.4	11.7	11.7	10.2	9.0	1.2
2004	479	323	0%	6.8	9.4	6.8	9.4	9.4	8.6	10.7	-2.1
2005	874	510	2%	6.9	11.8	6.9	12.0	11.8	9.7	8.5	1.2

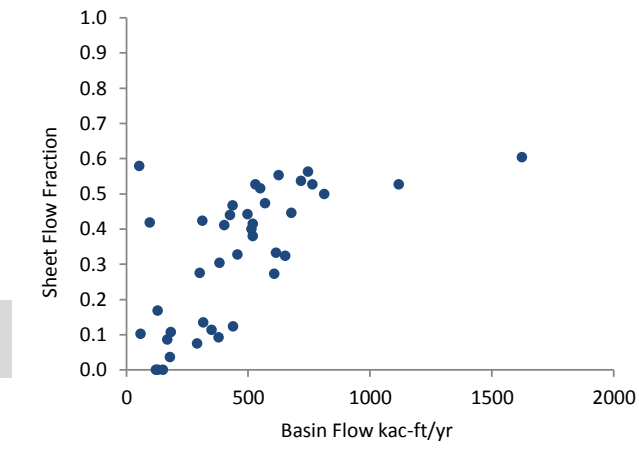
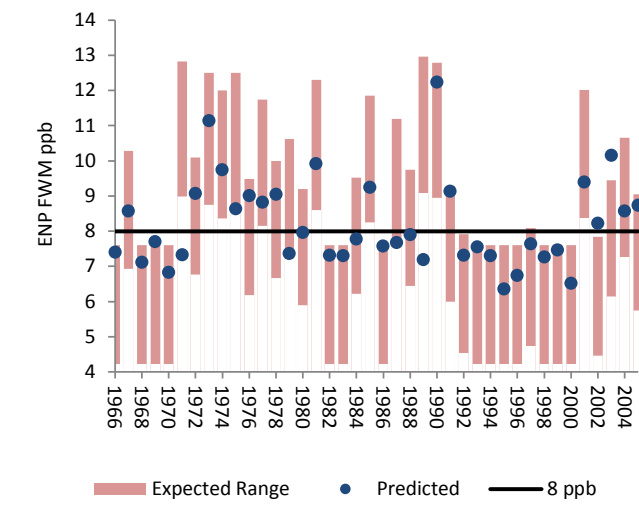
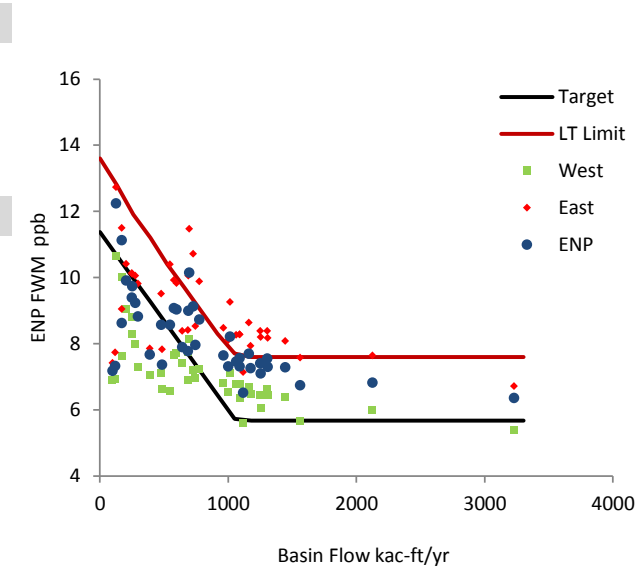


Alternative: FWO
 Sheet Flow Method: FLOW

Base Yr: 2025
 Scenario: FWO_25

Excursion Frequency: 8%
 ENP FWM Inflow Conc ppb: 7.6

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	C-Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						
1966	1251	652	32%	6.4	8.9	6.4	9.3	8.4	7.4	7.6	-0.2
1967	546	302	27%	6.6	11.4	6.6	11.9	10.4	8.6	10.3	-1.7
1968	1254	616	33%	6.1	8.8	6.1	9.3	8.2	7.1	7.6	-0.5
1969	1163	608	27%	6.7	8.9	6.7	9.4	8.6	7.7	7.6	0.1
1970	2128	1119	53%	6.0	8.0	6.0	9.5	7.6	6.8	7.6	-0.8
1971	121	58	10%	6.9	7.8	6.9	7.8	7.7	7.3	12.8	-5.5
1972	579	382	30%	7.7	10.5	7.7	10.9	9.9	9.1	10.1	-1.0
1973	172	129	0%	10.0	11.5	10.0	11.5	11.5	11.1	12.5	-1.4
1974	254	183	11%	8.8	10.3	8.8	10.3	10.1	9.7	12.0	-2.3
1975	173	122	0%	7.6	9.0	7.6	9.0	9.0	8.6	12.5	-3.9
1976	692	403	41%	7.7	11.1	7.7	11.7	10.0	9.0	9.5	-0.5
1977	297	180	4%	7.3	9.9	7.3	9.9	9.8	8.8	11.7	-2.9
1978	599	379	9%	7.7	10.0	7.7	10.0	9.8	9.0	10.0	-1.0
1979	487	316	13%	6.6	8.0	6.6	8.0	7.8	7.4	10.6	-3.3
1980	747	514	40%	7.0	8.9	7.0	9.6	8.5	8.0	9.2	-1.2
1981	204	129	17%	9.0	10.7	9.0	10.7	10.4	9.9	12.3	-2.4
1982	1089	570	47%	6.3	9.1	6.3	10.0	8.3	7.3	7.6	-0.3
1983	1447	812	50%	6.4	8.0	6.4	9.8	8.1	7.3	7.6	-0.3
1984	686	436	47%	6.9	8.9	6.9	9.7	8.4	7.8	9.5	-1.7
1985	278	168	9%	8.0	10.2	8.0	10.2	10.1	9.2	11.9	-2.6
1986	1091	626	55%	6.8	8.8	6.8	10.1	8.3	7.6	7.6	0.0
1987	390	312	42%	7.0	8.1	7.0	8.4	7.9	7.7	11.2	-3.5
1988	643	350	11%	7.4	8.5	7.4	8.5	8.4	7.9	9.7	-1.9
1989	98	53	58%	6.9	7.7	6.9	8.1	7.4	7.2	13.0	-5.8
1990	127	96	42%	10.6	14.1	10.6	14.2	12.7	12.2	12.8	-0.6
1991	729	426	44%	7.2	12.3	7.2	13.5	10.7	9.1	9.3	-0.2
1992	1001	519	38%	6.5	8.7	6.5	9.1	8.1	7.3	7.9	-0.6
1993	1306	747	56%	6.6	8.9	6.6	10.7	8.4	7.5	7.6	-0.1
1994	1311	717	54%	6.4	8.8	6.4	10.1	8.2	7.3	7.6	-0.3
1995	3230	1623	60%	5.4	7.0	5.4	8.8	6.7	6.4	7.6	-1.2
1996	1563	763	53%	5.7	8.2	5.7	9.7	7.6	6.7	7.6	-0.9
1997	964	498	44%	6.8	9.2	6.8	9.8	8.5	7.6	8.1	-0.5
1998	1175	678	45%	6.5	8.1	6.5	9.1	7.9	7.3	7.6	-0.3
1999	1064	530	53%	6.8	8.9	6.8	9.9	8.3	7.5	7.6	-0.2
2000	1120	520	41%	5.6	7.7	5.6	8.2	7.1	6.5	7.6	-1.1
2001	251	150	0%	8.3	10.1	8.3	10.1	10.1	9.4	12.0	-2.6
2002	1016	550	51%	7.1	9.9	7.1	11.5	9.3	8.2	7.8	0.4
2003	699	439	12%	8.1	11.9	8.1	11.9	11.5	10.1	9.4	0.7
2004	480	291	7%	7.1	9.7	7.1	9.7	9.5	8.6	10.7	-2.1
2005	775	457	33%	7.2	11.1	7.2	11.2	9.9	8.7	9.0	-0.3

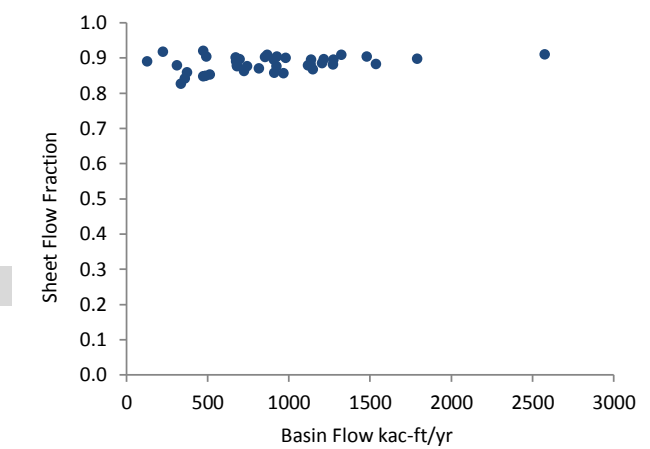
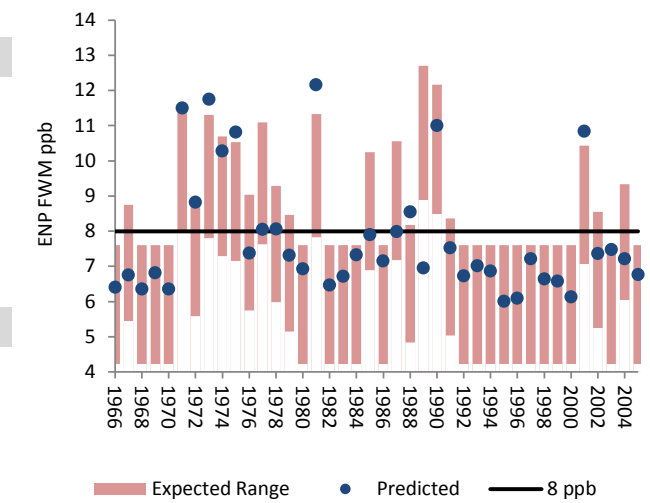
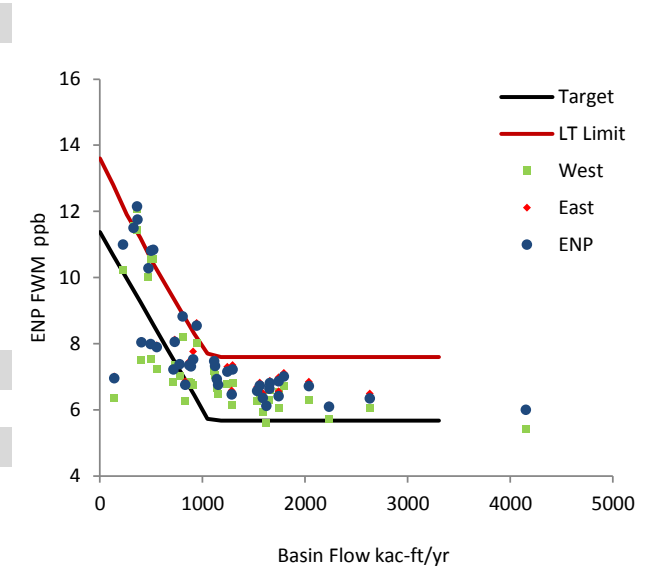


Alternative: ALT4R
 Sheet Flow Method: FLOW

Base Yr: 2025
 Scenario: ALT4R_25

Excursion Frequency: 13%
 ENP FWM Inflow Conc ppb: 7.1

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	C-Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast							
1966	1744	1205	88%	6.1	9.7	6.1	10.4	6.6	6.4	7.6	-1.2	
1967	832	681	88%	6.3	10.7	6.3	11.1	6.9	6.8	8.8	-2.0	
1968	1589	1118	88%	5.9	10.0	5.9	10.7	6.5	6.4	7.6	-1.2	
1969	1660	1216	90%	6.6	8.7	6.6	9.2	6.9	6.8	7.6	-0.8	
1970	2633	1790	90%	6.0	8.5	6.0	10.5	6.5	6.3	7.6	-1.3	
1971	329	313	88%	11.6	10.9	11.6	10.9	11.5	11.5	11.5	-0.1	
1972	807	743	88%	8.2	13.1	8.2	13.8	8.9	8.8	8.9	-0.1	
1973	370	361	84%	11.4	13.4	11.4	13.4	11.7	11.7	11.3	0.4	
1974	474	474	92%	10.0	13.4	10.0	13.4	10.3	10.3	10.7	-0.4	
1975	502	494	90%	10.6	13.2	10.6	13.2	10.8	10.8	10.5	0.3	
1976	777	682	88%	7.0	10.0	7.0	10.5	7.4	7.4	9.0	-1.7	
1977	406	375	86%	7.5	11.6	7.5	11.6	8.1	8.0	11.1	-3.1	
1978	730	675	90%	7.3	15.1	7.3	15.1	8.1	8.1	9.3	-1.2	
1979	888	854	90%	6.8	12.2	6.8	12.2	7.3	7.3	8.5	-1.2	
1980	1142	982	90%	6.6	8.9	6.6	9.8	7.0	6.9	7.6	-0.7	
1981	364	335	83%	12.0	12.7	12.0	12.7	12.2	12.1	11.3	0.8	
1982	1288	926	90%	6.1	9.5	6.1	10.8	6.6	6.5	7.6	-1.1	
1983	2038	1537	88%	6.3	8.6	6.3	10.9	6.8	6.7	7.6	-0.9	
1984	1126	925	88%	7.0	9.0	7.0	9.8	7.4	7.3	7.6	-0.3	
1985	554	513	85%	7.2	12.1	7.2	12.1	7.9	7.9	10.2	-2.3	
1986	1246	911	86%	6.8	9.0	6.8	10.4	7.3	7.1	7.6	-0.5	
1987	498	475	85%	7.5	9.8	7.5	10.7	8.0	8.0	10.6	-2.6	
1988	946	818	87%	8.0	12.5	8.0	12.5	8.6	8.5	8.2	0.4	
1989	141	128	89%	6.4	10.1	6.4	12.2	7.0	6.9	12.7	-5.7	
1990	226	225	92%	10.2	19.2	10.2	19.6	11.0	11.0	12.2	-1.2	
1991	909	697	90%	6.7	14.7	6.7	16.5	7.8	7.5	8.4	-0.8	
1992	1562	1148	87%	6.5	8.7	6.5	9.1	6.8	6.7	7.6	-0.9	
1993	1794	1325	91%	6.7	9.2	6.7	11.0	7.1	7.0	7.6	-0.6	
1994	1744	1273	88%	6.5	8.9	6.5	10.3	7.0	6.9	7.6	-0.7	
1995	4155	2576	91%	5.4	7.9	5.4	10.6	6.0	6.0	7.6	-1.6	
1996	2235	1480	90%	5.7	8.3	5.7	10.0	6.1	6.1	7.6	-1.5	
1997	1294	969	86%	6.8	9.9	6.8	10.7	7.4	7.2	7.6	-0.4	
1998	1652	1276	89%	6.3	8.9	6.3	10.4	6.7	6.6	7.6	-1.0	
1999	1533	1139	89%	6.2	9.0	6.2	10.4	6.7	6.6	7.6	-1.0	
2000	1622	1136	88%	5.6	9.3	5.6	10.3	6.2	6.1	7.6	-1.5	
2001	520	488	85%	10.5	12.6	10.5	12.6	10.8	10.8	10.4	0.4	
2002	871	724	86%	6.8	9.7	6.8	11.3	7.5	7.4	8.6	-1.2	
2003	1114	909	90%	7.2	10.6	7.2	10.6	7.5	7.5	7.6	-0.1	
2004	719	677	89%	6.8	10.5	6.8	10.5	7.2	7.2	9.3	-2.1	
2005	1154	869	91%	6.5	10.5	6.5	10.6	6.8	6.8	7.6	-0.8	

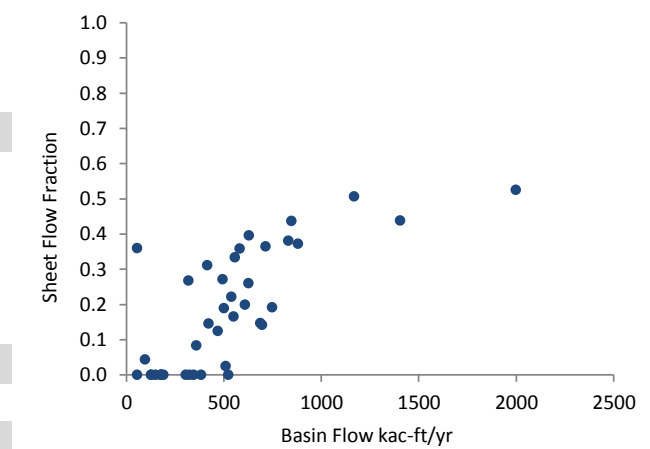
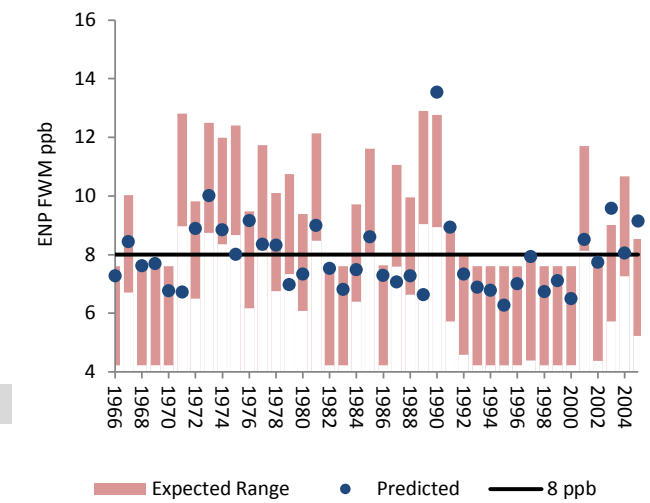
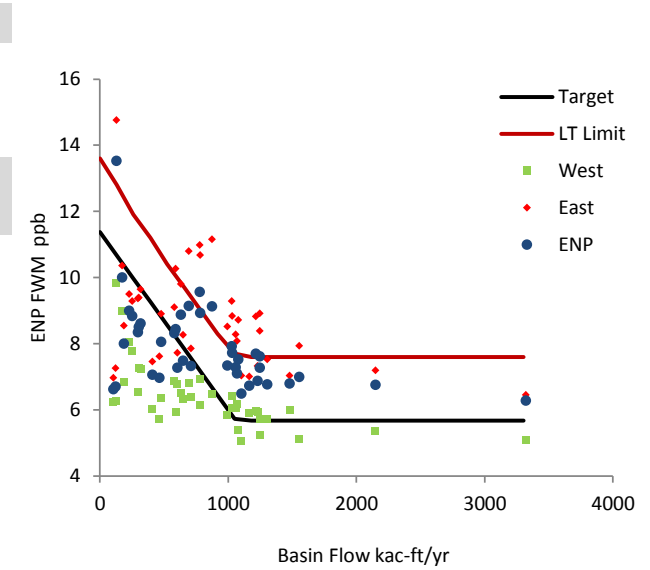


Alternative: ECB
 Sheet Flow Method: FLOW

Base Yr: 2030
 Scenario: ECB_30

Excursion Frequency: 13%
 ENP FWM Inflow Conc ppb: 7.4

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	C-Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast							
1966	1249	688	15%	5.7	8.4	5.7	8.8	8.4	7.3	7.6	-0.3	
1967	591	358	8%	5.9	10.3	5.9	10.7	10.3	8.4	10.0	-1.6	
1968	1248	696	14%	5.2	8.9	5.2	9.5	8.9	7.6	7.6	0.0	
1969	1218	749	19%	6.0	8.8	6.0	9.5	8.8	7.7	7.6	0.1	
1970	2150	1404	44%	5.4	7.2	5.4	8.6	7.2	6.8	7.6	-0.8	
1971	123	56	0%	6.2	7.3	6.2	7.3	7.3	6.7	12.8	-6.1	
1972	631	468	12%	6.5	9.8	6.5	10.3	9.8	8.9	9.8	-0.9	
1973	173	128	0%	9.0	10.4	9.0	10.4	10.4	10.0	12.5	-2.5	
1974	255	179	0%	7.8	9.3	7.8	9.3	9.3	8.8	12.0	-3.2	
1975	188	129	0%	6.8	8.5	6.8	8.5	8.5	8.0	12.4	-4.4	
1976	695	422	15%	6.8	10.8	6.8	11.5	10.8	9.1	9.5	-0.3	
1977	299	190	0%	6.5	9.4	6.5	9.4	9.4	8.3	11.7	-3.4	
1978	580	383	0%	6.9	9.1	6.9	9.1	9.1	8.3	10.1	-1.8	
1979	465	306	0%	5.7	7.6	5.7	7.6	7.6	7.0	10.7	-3.8	
1980	711	494	27%	6.4	7.9	6.4	8.4	7.9	7.3	9.4	-2.1	
1981	231	149	0%	8.1	9.5	8.1	9.5	9.5	9.0	12.1	-3.2	
1982	1082	626	26%	5.4	8.7	5.4	9.9	8.7	7.5	7.6	-0.1	
1983	1481	1169	51%	6.0	7.0	6.0	8.1	7.0	6.8	7.6	-0.8	
1984	650	415	31%	6.3	8.3	6.3	9.1	8.3	7.5	9.7	-2.2	
1985	318	180	0%	7.2	9.6	7.2	9.6	9.6	8.6	11.6	-3.0	
1986	1060	628	40%	6.0	8.3	6.0	9.8	8.3	7.3	7.6	-0.3	
1987	412	319	27%	6.0	7.5	6.0	8.0	7.5	7.1	11.1	-4.0	
1988	606	346	0%	6.8	7.7	6.8	7.7	7.7	7.3	9.9	-2.7	
1989	108	56	36%	6.2	7.0	6.2	7.4	7.0	6.6	12.9	-6.3	
1990	129	97	4%	9.8	14.8	9.8	15.0	14.8	13.5	12.8	0.8	
1991	782	501	19%	6.1	10.7	6.1	11.7	10.7	8.9	9.0	-0.1	
1992	993	550	17%	5.8	8.5	5.8	9.0	8.5	7.3	7.9	-0.6	
1993	1232	848	44%	5.9	7.3	5.9	8.4	7.3	6.9	7.6	-0.7	
1994	1305	715	37%	5.7	7.5	5.7	8.6	7.5	6.8	7.6	-0.8	
1995	3324	1997	52%	5.1	6.5	5.1	7.9	6.5	6.3	7.6	-1.3	
1996	1555	831	38%	5.1	7.9	5.1	9.7	7.9	7.0	7.6	-0.6	
1997	1028	609	20%	6.0	9.3	6.0	10.1	9.3	7.9	7.8	0.1	
1998	1167	881	37%	5.9	7.0	5.9	7.6	7.0	6.7	7.6	-0.9	
1999	1072	557	33%	6.2	8.1	6.2	9.0	8.1	7.1	7.6	-0.5	
2000	1106	539	22%	5.1	7.0	5.1	7.6	7.0	6.5	7.6	-1.1	
2001	304	177	0%	7.3	9.4	7.3	9.4	9.4	8.5	11.7	-3.2	
2002	1031	582	36%	6.4	8.8	6.4	10.2	8.8	7.7	7.8	0.0	
2003	781	523	0%	6.9	11.0	6.9	11.0	11.0	9.6	9.0	0.6	
2004	479	323	0%	6.3	8.9	6.3	8.9	8.9	8.0	10.7	-2.6	
2005	874	510	2%	6.5	11.2	6.5	11.3	11.2	9.1	8.5	0.6	

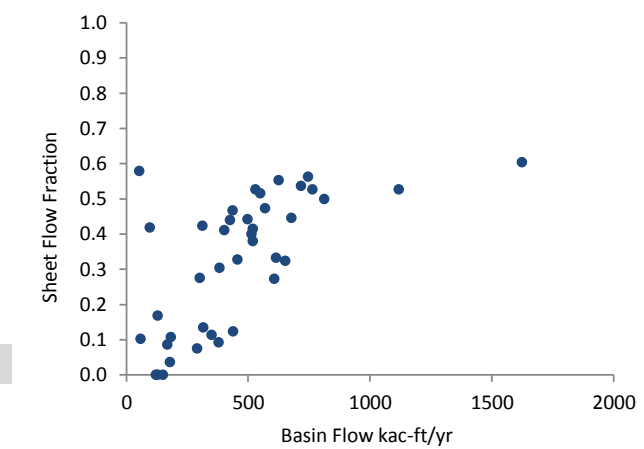
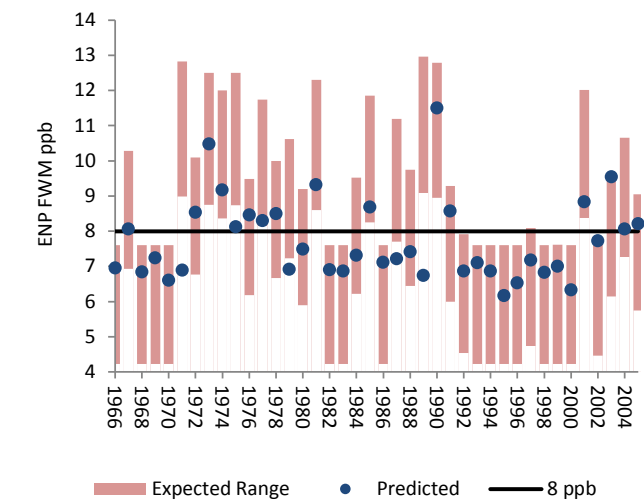
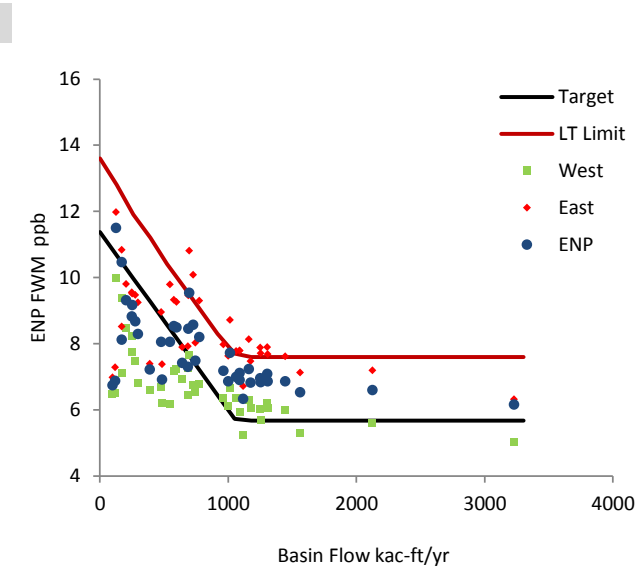


Alternative: FWO
 Sheet Flow Method: FLOW

Base Yr: 2030
 Scenario: FWO_30

Excursion Frequency: 3%
 ENP FWM Inflow Conc ppb: 7.2

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit	C-Limit
1966	1251	652	32%	6.0	8.4	6.0	8.8	7.9	6.9	7.6	-0.7	
1967	546	302	27%	6.1	10.7	6.1	11.2	9.8	8.0	10.3	-2.2	
1968	1254	616	33%	5.7	8.3	5.7	8.7	7.7	6.8	7.6	-0.8	
1969	1163	608	27%	6.3	8.3	6.3	8.8	8.1	7.2	7.6	-0.4	
1970	2128	1119	53%	5.6	7.5	5.6	9.0	7.2	6.6	7.6	-1.0	
1971	121	58	10%	6.5	7.4	6.5	7.4	7.3	6.9	12.8	-5.9	
1972	579	382	30%	7.2	9.9	7.2	10.3	9.3	8.5	10.1	-1.6	
1973	172	129	0%	9.4	10.8	9.4	10.8	10.8	10.5	12.5	-2.0	
1974	254	183	11%	8.2	9.7	8.2	9.7	9.5	9.2	12.0	-2.8	
1975	173	122	0%	7.1	8.5	7.1	8.5	8.5	8.1	12.5	-4.4	
1976	692	403	41%	7.2	10.4	7.2	11.0	9.5	8.4	9.5	-1.0	
1977	297	180	4%	6.8	9.3	6.8	9.3	9.2	8.3	11.7	-3.4	
1978	599	379	9%	7.2	9.5	7.2	9.5	9.2	8.5	10.0	-1.5	
1979	487	316	13%	6.2	7.6	6.2	7.6	7.4	6.9	10.6	-3.7	
1980	747	514	40%	6.5	8.4	6.5	9.0	8.0	7.5	9.2	-1.7	
1981	204	129	17%	8.5	10.1	8.5	10.1	9.8	9.3	12.3	-3.0	
1982	1089	570	47%	5.9	8.5	5.9	9.4	7.8	6.9	7.6	-0.7	
1983	1447	812	50%	6.0	7.6	6.0	9.2	7.6	6.9	7.6	-0.7	
1984	686	436	47%	6.4	8.3	6.4	9.2	7.9	7.3	9.5	-2.2	
1985	278	168	9%	7.5	9.7	7.5	9.7	9.5	8.7	11.9	-3.2	
1986	1091	626	55%	6.3	8.3	6.3	9.6	7.8	7.1	7.6	-0.5	
1987	390	312	42%	6.6	7.6	6.6	8.0	7.4	7.2	11.2	-4.0	
1988	643	350	11%	6.9	8.0	6.9	8.0	7.9	7.4	9.7	-2.3	
1989	98	53	58%	6.5	7.2	6.5	7.7	7.0	6.7	13.0	-6.2	
1990	127	96	42%	10.0	13.3	10.0	13.4	12.0	11.5	12.8	-1.3	
1991	729	426	44%	6.7	11.6	6.7	12.7	10.1	8.6	9.3	-0.7	
1992	1001	519	38%	6.1	8.1	6.1	8.6	7.6	6.9	7.9	-1.1	
1993	1306	747	56%	6.2	8.4	6.2	10.1	7.9	7.1	7.6	-0.5	
1994	1311	717	54%	6.0	8.3	6.0	9.6	7.7	6.9	7.6	-0.7	
1995	3230	1623	60%	5.0	6.6	5.0	8.3	6.3	6.2	7.6	-1.4	
1996	1563	763	53%	5.3	7.7	5.3	9.2	7.1	6.5	7.6	-1.1	
1997	964	498	44%	6.4	8.7	6.4	9.2	8.0	7.2	8.1	-0.9	
1998	1175	678	45%	6.1	7.6	6.1	8.6	7.5	6.8	7.6	-0.8	
1999	1064	530	53%	6.3	8.4	6.3	9.4	7.8	7.0	7.6	-0.6	
2000	1120	520	41%	5.2	7.2	5.2	7.8	6.7	6.3	7.6	-1.3	
2001	251	150	0%	7.7	9.5	7.7	9.5	9.5	8.8	12.0	-3.2	
2002	1016	550	51%	6.7	9.4	6.7	10.9	8.7	7.7	7.8	-0.1	
2003	699	439	12%	7.6	11.2	7.6	11.2	10.8	9.5	9.4	0.1	
2004	480	291	7%	6.7	9.1	6.7	9.1	8.9	8.1	10.7	-2.6	
2005	775	457	33%	6.8	10.4	6.8	10.5	9.3	8.2	9.0	-0.8	

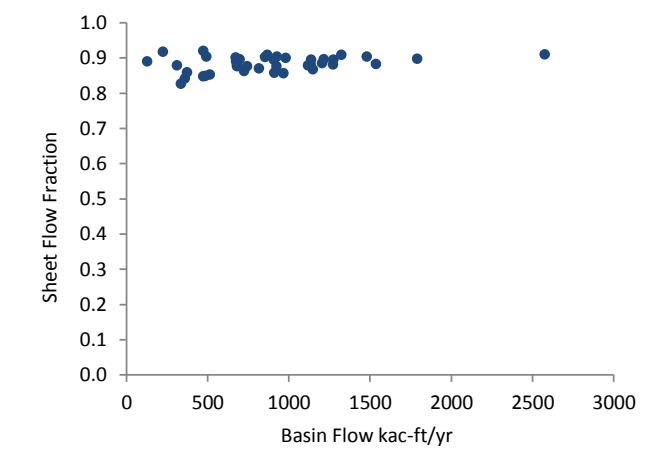
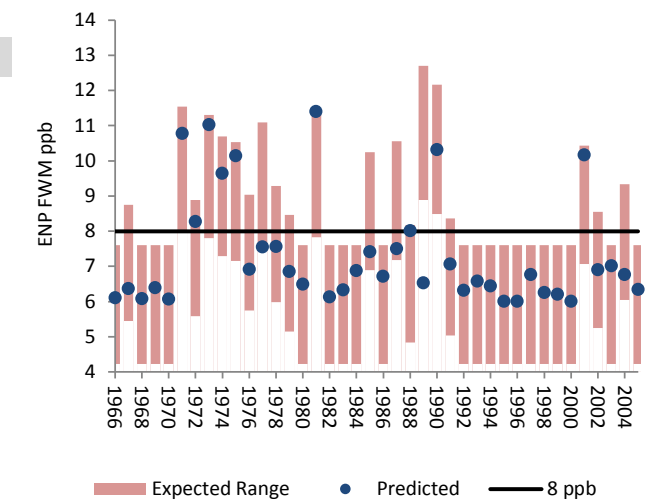
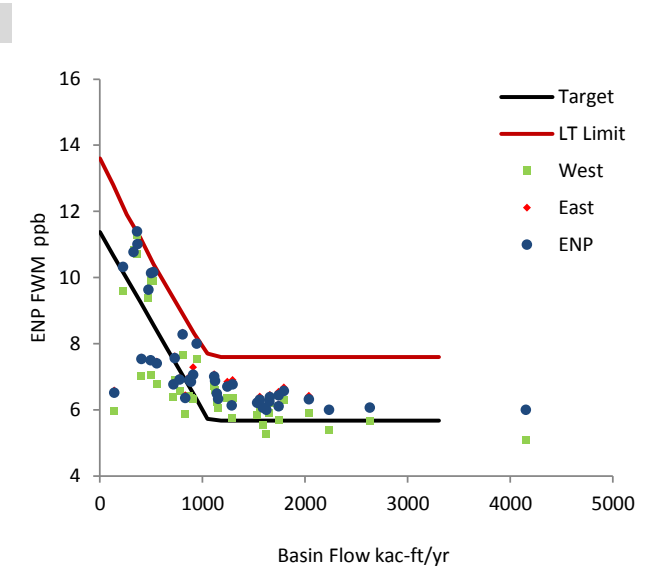


Alternative: ALT4R
 Sheet Flow Method: FLOW

Base Yr: 2030
 Scenario: ALT4R_30

Excursion Frequency: 3%
 ENP FWM Inflow Conc ppb: 6.7

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit	
1966	1744	1205	88%	5.7	9.2	5.7	9.8	6.1	6.1	7.6	-1.5	
1967	832	681	88%	5.9	10.1	5.9	10.5	6.4	6.4	8.8	-2.4	
1968	1589	1118	88%	5.5	9.4	5.5	10.1	6.1	6.1	7.6	-1.5	
1969	1660	1216	90%	6.2	8.2	6.2	8.6	6.4	6.4	7.6	-1.2	
1970	2633	1790	90%	5.7	8.0	5.7	9.9	6.1	6.1	7.6	-1.5	
1971	329	313	88%	10.8	10.3	10.8	10.3	10.8	10.8	11.5	-0.8	
1972	807	743	88%	7.7	12.3	7.7	13.0	8.3	8.3	8.9	-0.6	
1973	370	361	84%	10.7	12.7	10.7	12.7	11.0	11.0	11.3	-0.3	
1974	474	474	92%	9.4	12.6	9.4	12.6	9.6	9.6	10.7	-1.1	
1975	502	494	90%	9.9	12.5	9.9	12.5	10.1	10.1	10.5	-0.4	
1976	777	682	88%	6.6	9.4	6.6	9.9	7.0	6.9	9.0	-2.1	
1977	406	375	86%	7.0	11.0	7.0	11.0	7.6	7.5	11.1	-3.6	
1978	730	675	90%	6.9	14.2	6.9	14.2	7.6	7.6	9.3	-1.7	
1979	888	854	90%	6.4	11.5	6.4	11.5	6.9	6.8	8.5	-1.6	
1980	1142	982	90%	6.2	8.4	6.2	9.2	6.5	6.5	7.6	-1.1	
1981	364	335	83%	11.3	11.9	11.3	11.9	11.4	11.4	11.3	0.1	
1982	1288	926	90%	5.7	9.0	5.7	10.1	6.2	6.1	7.6	-1.5	
1983	2038	1537	88%	5.9	8.1	5.9	10.3	6.4	6.3	7.6	-1.3	
1984	1126	925	88%	6.6	8.4	6.6	9.3	6.9	6.9	7.6	-0.7	
1985	554	513	85%	6.8	11.4	6.8	11.4	7.5	7.4	10.2	-2.8	
1986	1246	911	86%	6.3	8.5	6.3	9.9	6.8	6.7	7.6	-0.9	
1987	498	475	85%	7.0	9.3	7.0	10.1	7.5	7.5	10.6	-3.1	
1988	946	818	87%	7.5	11.8	7.5	11.8	8.1	8.0	8.2	-0.2	
1989	141	128	89%	6.0	9.5	6.0	11.5	6.6	6.5	12.7	-6.2	
1990	226	225	92%	9.6	18.1	9.6	18.4	10.3	10.3	12.2	-1.9	
1991	909	697	90%	6.3	13.8	6.3	15.5	7.3	7.1	8.4	-1.3	
1992	1562	1148	87%	6.1	8.2	6.1	8.6	6.4	6.3	7.6	-1.3	
1993	1794	1325	91%	6.3	8.6	6.3	10.4	6.7	6.6	7.6	-1.0	
1994	1744	1273	88%	6.1	8.4	6.1	9.7	6.5	6.4	7.6	-1.2	
1995	4155	2576	91%	5.1	7.4	5.1	10.0	6.0	6.0	7.6	-1.6	
1996	2235	1480	90%	5.4	7.9	5.4	9.4	6.0	6.0	7.6	-1.6	
1997	1294	969	86%	6.4	9.3	6.4	10.1	6.9	6.8	7.6	-0.8	
1998	1652	1276	89%	5.9	8.4	5.9	9.8	6.3	6.2	7.6	-1.4	
1999	1533	1139	89%	5.9	8.5	5.9	9.8	6.3	6.2	7.6	-1.4	
2000	1622	1136	88%	5.3	8.8	5.3	9.8	6.0	6.0	7.6	-1.6	
2001	520	488	85%	9.9	11.8	9.9	11.8	10.2	10.2	10.4	-0.3	
2002	871	724	86%	6.4	9.1	6.4	10.7	7.0	6.9	8.6	-1.7	
2003	1114	909	90%	6.7	10.0	6.7	10.0	7.1	7.0	7.6	-0.6	
2004	719	677	89%	6.4	9.9	6.4	9.9	6.8	6.8	9.3	-2.6	
2005	1154	869	91%	6.1	9.9	6.1	10.0	6.4	6.3	7.6	-1.3	

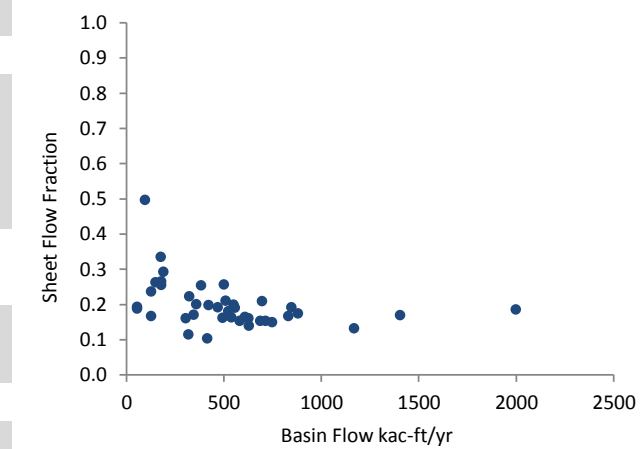
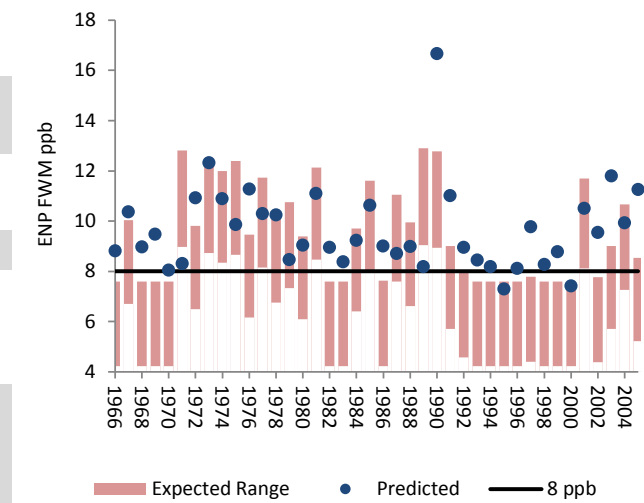
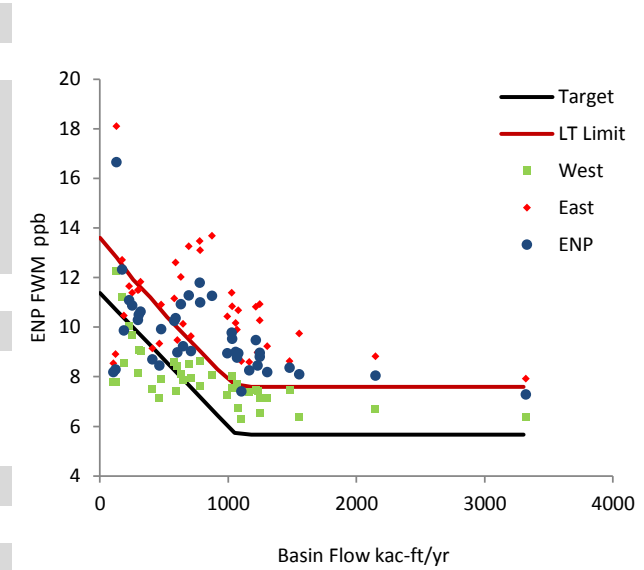


Alternative: ECB
 Sheet Flow Method: TRANS

Base Yr: 2013
 Scenario: ECB_13_T

Excursion Frequency: 58%
 ENP FWM Inflow Conc ppb: 9.0

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1249	688	15%	7.1	10.3	7.1	10.8	10.3	8.8	7.6	1.2
1967	591	358	20%	7.4	12.6	7.4	13.9	12.6	10.4	10.0	0.3
1968	1248	696	21%	6.5	10.9	6.5	12.1	10.9	9.0	7.6	1.4
1969	1218	749	15%	7.5	10.8	7.5	11.4	10.8	9.5	7.6	1.9
1970	2150	1404	17%	6.7	8.8	6.7	9.2	8.8	8.0	7.6	0.4
1971	123	56	19%	7.8	8.9	7.8	9.2	8.9	8.3	12.8	-4.5
1972	631	468	19%	8.1	12.0	8.1	12.9	12.0	10.9	9.8	1.1
1973	173	128	24%	11.2	12.7	11.2	13.2	12.7	12.3	12.5	-0.2
1974	255	179	26%	9.7	11.4	9.7	12.0	11.4	10.9	12.0	-1.1
1975	188	129	17%	8.5	10.5	8.5	10.9	10.5	9.9	12.4	-2.5
1976	695	422	20%	8.5	13.2	8.5	14.4	13.2	11.3	9.5	1.8
1977	299	190	29%	8.2	11.5	8.2	12.9	11.5	10.3	11.7	-1.4
1978	580	383	25%	8.6	11.2	8.6	12.0	11.2	10.2	10.1	0.1
1979	465	306	16%	7.1	9.3	7.1	9.8	9.3	8.4	10.7	-2.3
1980	711	494	16%	8.0	9.6	8.0	10.0	9.6	9.0	9.4	-0.4
1981	231	149	26%	10.0	11.6	10.0	12.2	11.6	11.1	12.1	-1.1
1982	1082	626	16%	6.7	10.7	6.7	11.4	10.7	8.9	7.6	1.3
1983	1481	1169	13%	7.5	8.6	7.5	8.8	8.6	8.4	7.6	0.8
1984	650	415	10%	7.9	10.1	7.9	10.4	10.1	9.2	9.7	-0.5
1985	318	180	26%	9.0	11.8	9.0	12.8	11.8	10.6	11.6	-1.0
1986	1060	628	14%	7.5	10.2	7.5	10.6	10.2	9.0	7.6	1.4
1987	412	319	12%	7.5	9.1	7.5	9.3	9.1	8.7	11.1	-2.4
1988	606	346	17%	8.4	9.5	8.4	9.7	9.5	9.0	9.9	-1.0
1989	108	56	19%	7.8	8.5	7.8	8.7	8.5	8.2	12.9	-4.7
1990	129	97	50%	12.3	18.1	12.3	23.9	18.1	16.6	12.8	3.9
1991	782	501	26%	7.6	13.1	7.6	15.0	13.1	11.0	9.0	2.0
1992	993	550	20%	7.3	10.4	7.3	11.2	10.4	8.9	7.9	1.0
1993	1232	848	19%	7.4	9.0	7.4	9.4	9.0	8.4	7.6	0.8
1994	1305	715	15%	7.1	9.2	7.1	9.6	9.2	8.2	7.6	0.6
1995	3324	1997	19%	6.4	7.9	6.4	8.3	7.9	7.3	7.6	-0.3
1996	1555	831	17%	6.4	9.7	6.4	10.4	9.7	8.1	7.6	0.5
1997	1028	609	16%	7.5	11.4	7.5	12.1	11.4	9.8	7.8	2.0
1998	1167	881	17%	7.4	8.6	7.4	8.8	8.6	8.3	7.6	0.7
1999	1072	557	19%	7.7	9.9	7.7	10.4	9.9	8.8	7.6	1.2
2000	1106	539	16%	6.3	8.6	6.3	9.1	8.6	7.4	7.6	-0.2
2001	304	177	33%	9.1	11.5	9.1	12.7	11.5	10.5	11.7	-1.2
2002	1031	582	15%	8.0	10.8	8.0	11.3	10.8	9.5	7.8	1.8
2003	781	523	18%	8.6	13.5	8.6	14.5	13.5	11.8	9.0	2.8
2004	479	323	22%	7.9	10.9	7.9	11.8	10.9	9.9	10.7	-0.8
2005	874	510	21%	8.1	13.7	8.1	15.2	13.7	11.3	8.5	2.7

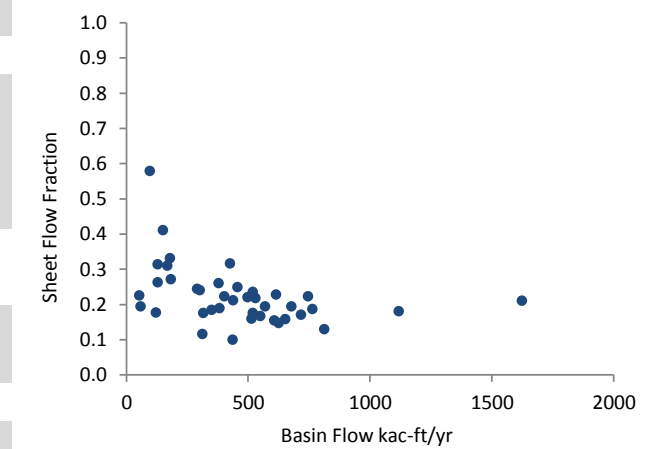
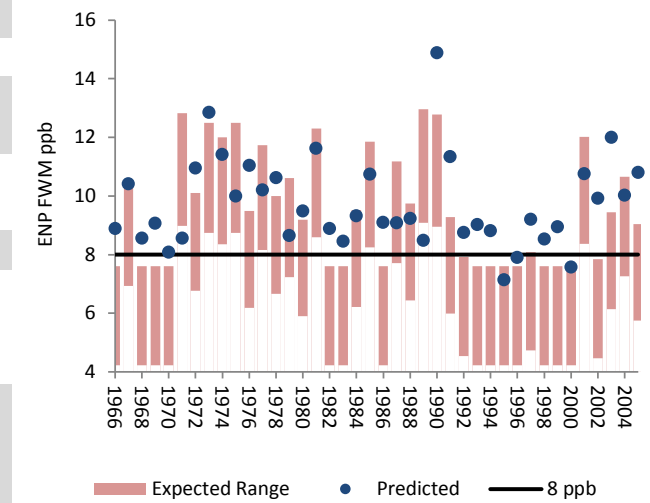
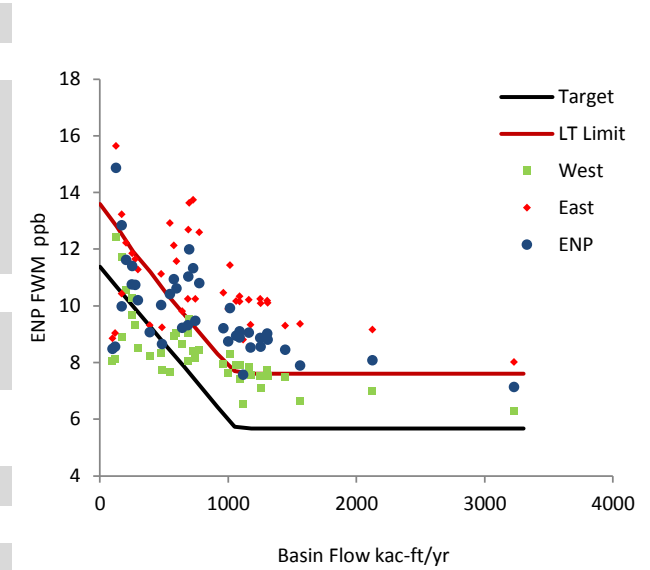


Alternative: FWO
 Sheet Flow Method: TRANS

Base Yr: 2013
 Scenario: FWO_13_T

Excursion Frequency: 63%
 ENP FWM Inflow Conc ppb: 9.0

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1251	652	16%	7.5	10.3	7.5	10.8	10.2	8.9	7.6	1.3
1967	546	302	24%	7.7	13.2	7.7	14.6	12.9	10.4	10.3	0.1
1968	1254	616	23%	7.1	10.2	7.1	11.0	10.1	8.6	7.6	1.0
1969	1163	608	15%	7.8	10.2	7.8	10.6	10.2	9.1	7.6	1.5
1970	2128	1119	18%	7.0	9.2	7.0	9.6	9.2	8.1	7.6	0.5
1971	121	58	19%	8.1	9.0	8.1	9.3	9.0	8.6	12.8	-4.3
1972	579	382	19%	8.9	12.1	8.9	12.9	12.1	10.9	10.1	0.8
1973	172	129	26%	11.7	13.3	11.7	13.8	13.2	12.8	12.5	0.3
1974	254	183	27%	10.3	11.9	10.3	12.4	11.8	11.4	12.0	-0.6
1975	173	122	18%	8.9	10.4	8.9	10.8	10.4	10.0	12.5	-2.5
1976	692	403	22%	9.0	12.8	9.0	13.7	12.7	11.0	9.5	1.5
1977	297	180	33%	8.5	11.4	8.5	12.6	11.3	10.2	11.7	-1.5
1978	599	379	26%	9.0	11.6	9.0	12.5	11.6	10.6	10.0	0.6
1979	487	316	18%	7.7	9.3	7.7	9.6	9.2	8.6	10.6	-2.0
1980	747	514	16%	8.1	10.2	8.1	10.6	10.2	9.5	9.2	0.3
1981	204	129	31%	10.6	12.3	10.6	13.0	12.2	11.6	12.3	-0.7
1982	1089	570	19%	7.4	10.5	7.4	11.0	10.3	8.9	7.6	1.3
1983	1447	812	13%	7.5	9.3	7.5	9.6	9.3	8.4	7.6	0.8
1984	686	436	10%	8.0	10.2	8.0	10.5	10.2	9.3	9.5	-0.2
1985	278	168	31%	9.3	11.8	9.3	12.7	11.7	10.7	11.9	-1.1
1986	1091	626	15%	7.9	10.2	7.9	10.5	10.2	9.1	7.6	1.5
1987	390	312	12%	8.2	9.3	8.2	9.5	9.3	9.1	11.2	-2.1
1988	643	350	18%	8.7	9.8	8.7	10.1	9.8	9.2	9.7	-0.5
1989	98	53	22%	8.1	8.9	8.1	9.1	8.8	8.5	13.0	-4.5
1990	127	96	58%	12.4	16.3	12.4	20.0	15.6	14.9	12.8	2.1
1991	729	426	32%	8.4	14.2	8.4	16.2	13.7	11.3	9.3	2.0
1992	1001	519	24%	7.6	10.0	7.6	10.6	9.9	8.7	7.9	0.8
1993	1306	747	22%	7.7	10.3	7.7	10.9	10.2	9.0	7.6	1.4
1994	1311	717	17%	7.5	10.2	7.5	10.6	10.1	8.8	7.6	1.2
1995	3230	1623	21%	6.3	8.1	6.3	8.5	8.0	7.1	7.6	-0.5
1996	1563	763	19%	6.6	9.4	6.6	10.0	9.4	7.9	7.6	0.3
1997	964	498	22%	7.9	10.6	7.9	11.2	10.5	9.2	8.1	1.1
1998	1175	678	19%	7.6	9.4	7.6	9.8	9.3	8.5	7.6	0.9
1999	1064	530	22%	7.9	10.2	7.9	10.8	10.2	8.9	7.6	1.3
2000	1120	520	18%	6.5	8.8	6.5	9.3	8.8	7.6	7.6	0.0
2001	251	150	41%	9.7	11.7	9.7	12.7	11.5	10.7	12.0	-1.3
2002	1016	550	17%	8.3	11.5	8.3	12.1	11.4	9.9	7.8	2.1
2003	699	439	21%	9.5	13.8	9.5	14.7	13.6	12.0	9.4	2.5
2004	480	291	24%	8.3	11.2	8.3	12.0	11.1	10.0	10.7	-0.6
2005	775	457	25%	8.4	12.8	8.4	14.0	12.6	10.8	9.0	1.7

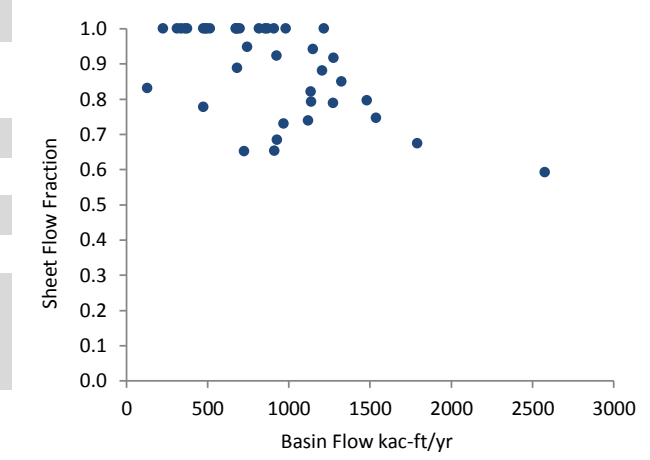
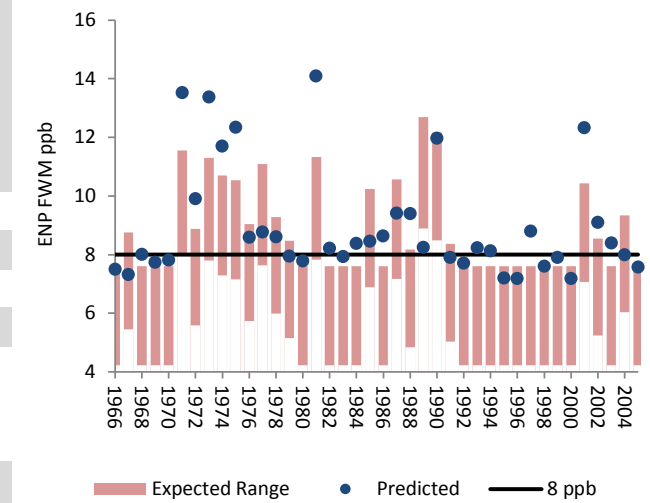
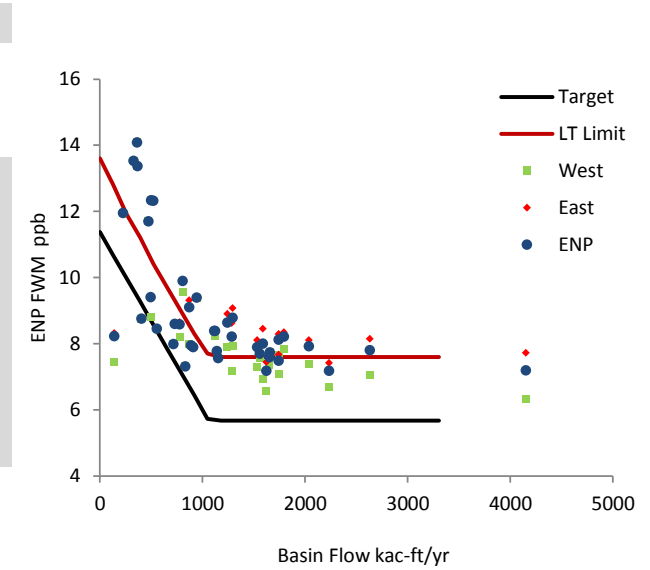


Alternative: ALT4R
 Sheet Flow Method: TRANS

Base Yr: 2013
 Scenario: ALT4R_13_T

Excursion Frequency: 58%
 ENP FWM Inflow Conc ppb: 8.2

Wtr Yr	Basin Flow	East Flow	Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1744	1205	88%	7.1	11.2	7.1	12.0	7.7	7.5	7.6	-0.1
1967	832	681	100%	7.3	12.4	7.3	13.7	7.3	7.3	8.8	-1.4
1968	1589	1118	74%	6.9	11.5	6.9	12.8	8.4	8.0	7.6	0.4
1969	1660	1216	100%	7.7	10.0	7.7	10.4	7.7	7.7	7.6	0.1
1970	2633	1790	67%	7.1	9.8	7.1	10.4	8.1	7.8	7.6	0.2
1971	329	313	100%	13.5	12.6	13.5	12.4	13.5	13.5	11.5	2.0
1972	807	743	95%	9.6	15.1	9.6	16.4	9.9	9.9	8.9	1.0
1973	370	361	100%	13.4	15.5	13.4	16.2	13.4	13.4	11.3	2.1
1974	474	474	100%	11.7	15.4	11.7	16.8	11.7	11.7	10.7	1.0
1975	502	494	100%	12.3	15.3	12.3	15.9	12.3	12.3	10.5	1.8
1976	777	682	89%	8.2	11.5	8.2	12.3	8.6	8.6	9.0	-0.5
1977	406	375	100%	8.8	13.4	8.8	15.4	8.8	8.8	11.1	-2.3
1978	730	675	100%	8.6	17.4	8.6	20.4	8.6	8.6	9.3	-0.7
1979	888	854	100%	7.9	14.1	7.9	15.3	7.9	7.9	8.5	-0.5
1980	1142	982	100%	7.8	10.3	7.8	10.8	7.8	7.8	7.6	0.2
1981	364	335	100%	14.1	14.7	14.1	14.9	14.1	14.1	11.3	2.7
1982	1288	926	68%	7.2	11.0	7.2	11.8	8.6	8.2	7.6	0.6
1983	2038	1537	75%	7.4	9.9	7.4	10.3	8.1	7.9	7.6	0.3
1984	1126	925	92%	8.2	10.3	8.2	10.6	8.4	8.4	7.6	0.8
1985	554	513	100%	8.5	14.0	8.5	15.8	8.5	8.5	10.2	-1.8
1986	1246	911	65%	7.9	10.4	7.9	10.8	8.9	8.6	7.6	1.0
1987	498	475	78%	8.8	11.4	8.8	11.7	9.4	9.4	10.6	-1.1
1988	946	818	100%	9.4	14.5	9.4	15.5	9.4	9.4	8.2	1.2
1989	141	128	83%	7.4	11.7	7.4	12.7	8.3	8.2	12.7	-4.5
1990	226	225	100%	12.0	22.1	12.0	32.2	12.0	12.0	12.2	-0.2
1991	909	697	100%	7.9	16.9	7.9	20.0	7.9	7.9	8.4	-0.5
1992	1562	1148	94%	7.6	10.0	7.6	10.6	7.7	7.7	7.6	0.1
1993	1794	1325	85%	7.8	10.6	7.8	11.2	8.3	8.2	7.6	0.6
1994	1744	1273	79%	7.6	10.3	7.6	10.8	8.3	8.1	7.6	0.5
1995	4155	2576	59%	6.3	9.1	6.3	9.8	7.7	7.2	7.6	-0.4
1996	2235	1480	80%	6.7	9.6	6.7	10.2	7.4	7.2	7.6	-0.4
1997	1294	969	73%	7.9	11.4	7.9	12.1	9.1	8.8	7.6	1.2
1998	1652	1276	92%	7.4	10.2	7.4	10.9	7.7	7.6	7.6	0.0
1999	1533	1139	79%	7.3	10.4	7.3	11.2	8.1	7.9	7.6	0.3
2000	1622	1136	82%	6.5	10.7	6.5	11.6	7.4	7.2	7.6	-0.4
2001	520	488	100%	12.3	14.5	12.3	15.6	12.3	12.3	10.4	1.9
2002	871	724	65%	8.0	11.2	8.0	11.8	9.3	9.1	8.6	0.5
2003	1114	909	100%	8.4	12.2	8.4	13.1	8.4	8.4	7.6	0.8
2004	719	677	100%	8.0	12.2	8.0	13.4	8.0	8.0	9.3	-1.4
2005	1154	869	100%	7.6	12.2	7.6	13.4	7.6	7.6	7.6	0.0

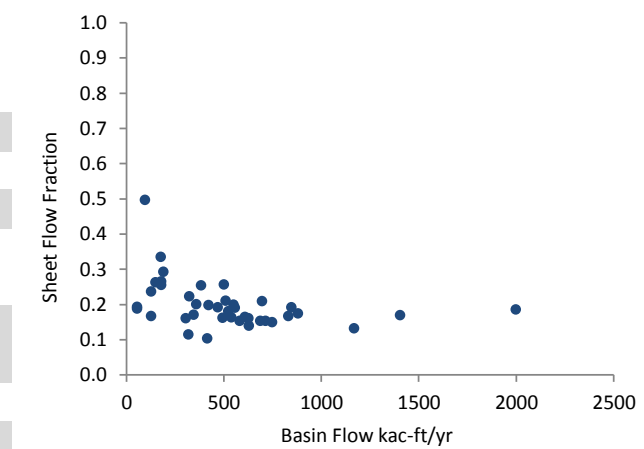
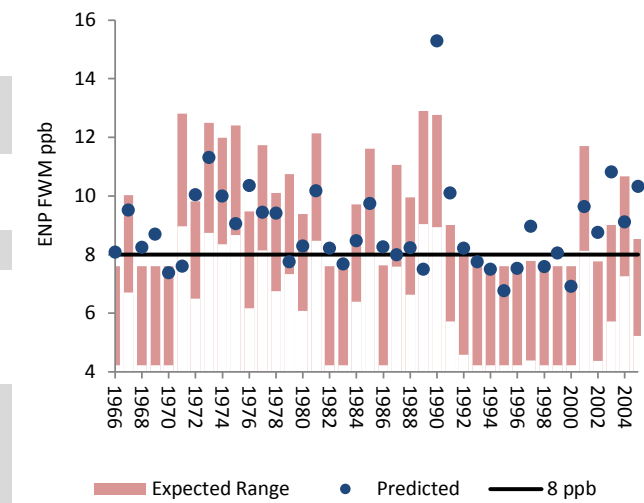
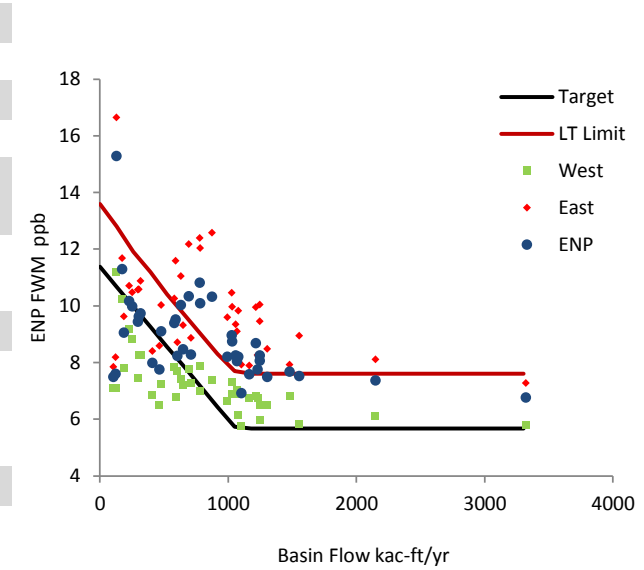


Alternative: ECB
 Sheet Flow Method: TRANS

Base Yr: 2020
 Scenario: ECB_20_T

Excursion Frequency: 43%
 ENP FWM Inflow Conc ppb: 8.3

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1249	688	15%	6.5	9.4	6.5	10.0	9.4	8.1	7.6	0.5
1967	591	358	20%	6.8	11.6	6.8	12.8	11.6	9.5	10.0	-0.5
1968	1248	696	21%	6.0	10.0	6.0	11.1	10.0	8.2	7.6	0.6
1969	1218	749	15%	6.8	9.9	6.8	10.5	9.9	8.7	7.6	1.1
1970	2150	1404	17%	6.1	8.1	6.1	8.5	8.1	7.4	7.6	-0.2
1971	123	56	19%	7.1	8.2	7.1	8.4	8.2	7.6	12.8	-5.2
1972	631	468	19%	7.4	11.1	7.4	11.9	11.1	10.0	9.8	0.2
1973	173	128	24%	10.2	11.7	10.2	12.1	11.7	11.3	12.5	-1.2
1974	255	179	26%	8.8	10.5	8.8	11.1	10.5	10.0	12.0	-2.0
1975	188	129	17%	7.8	9.6	7.8	10.0	9.6	9.0	12.4	-3.4
1976	695	422	20%	7.8	12.2	7.8	13.3	12.2	10.3	9.5	0.9
1977	299	190	29%	7.4	10.6	7.4	11.9	10.6	9.4	11.7	-2.3
1978	580	383	25%	7.8	10.3	7.8	11.1	10.3	9.4	10.1	-0.7
1979	465	306	16%	6.5	8.6	6.5	9.0	8.6	7.7	10.7	-3.0
1980	711	494	16%	7.3	8.9	7.3	9.2	8.9	8.3	9.4	-1.1
1981	231	149	26%	9.2	10.7	9.2	11.3	10.7	10.2	12.1	-2.0
1982	1082	626	16%	6.1	9.8	6.1	10.5	9.8	8.2	7.6	0.6
1983	1481	1169	13%	6.8	7.9	6.8	8.1	7.9	7.7	7.6	0.1
1984	650	415	10%	7.2	9.3	7.2	9.6	9.3	8.5	9.7	-1.2
1985	318	180	26%	8.2	10.9	8.2	11.8	10.9	9.7	11.6	-1.9
1986	1060	628	14%	6.9	9.3	6.9	9.7	9.3	8.2	7.6	0.6
1987	412	319	12%	6.8	8.4	6.8	8.6	8.4	8.0	11.1	-3.1
1988	606	346	17%	7.7	8.7	7.7	8.9	8.7	8.2	9.9	-1.7
1989	108	56	19%	7.1	7.9	7.1	8.0	7.9	7.5	12.9	-5.4
1990	129	97	50%	11.2	16.6	11.2	22.0	16.6	15.3	12.8	2.5
1991	782	501	26%	7.0	12.0	7.0	13.8	12.0	10.1	9.0	1.1
1992	993	550	20%	6.6	9.6	6.6	10.3	9.6	8.2	7.9	0.2
1993	1232	848	19%	6.8	8.3	6.8	8.6	8.3	7.7	7.6	0.1
1994	1305	715	15%	6.5	8.5	6.5	8.8	8.5	7.5	7.6	-0.1
1995	3324	1997	19%	5.8	7.3	5.8	7.6	7.3	6.8	7.6	-0.8
1996	1555	831	17%	5.8	8.9	5.8	9.6	8.9	7.5	7.6	-0.1
1997	1028	609	16%	6.9	10.5	6.9	11.2	10.5	9.0	7.8	1.2
1998	1167	881	17%	6.7	7.9	6.7	8.1	7.9	7.6	7.6	0.0
1999	1072	557	19%	7.0	9.1	7.0	9.6	9.1	8.0	7.6	0.4
2000	1106	539	16%	5.8	7.9	5.8	8.3	7.9	6.9	7.6	-0.7
2001	304	177	33%	8.3	10.6	8.3	11.7	10.6	9.6	11.7	-2.1
2002	1031	582	15%	7.3	10.0	7.3	10.4	10.0	8.7	7.8	1.0
2003	781	523	18%	7.9	12.4	7.9	13.4	12.4	10.8	9.0	1.8
2004	479	323	22%	7.2	10.0	7.2	10.8	10.0	9.1	10.7	-1.6
2005	874	510	21%	7.4	12.6	7.4	14.0	12.6	10.3	8.5	1.8

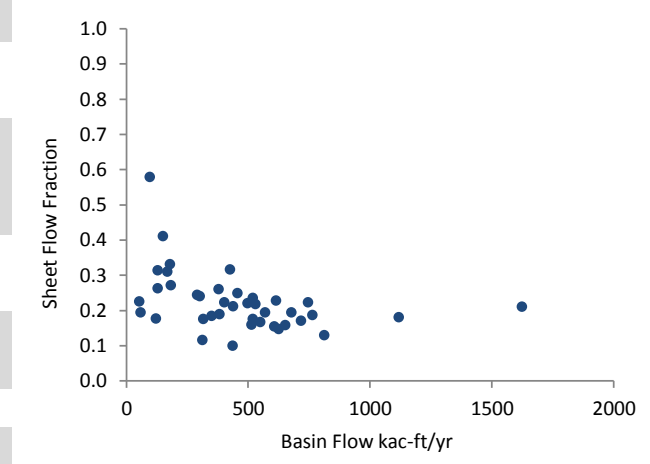
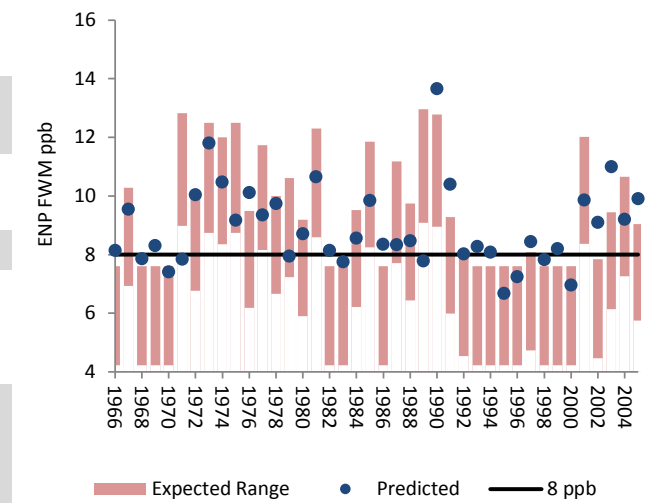
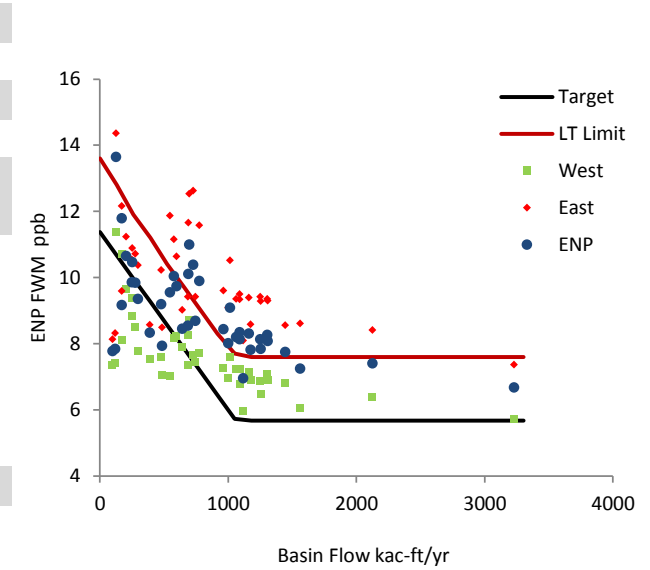


Alternative: FWO
 Sheet Flow Method: TRANS

Base Yr: 2020
 Scenario: FWO_20_T

Excursion Frequency: 45%
 ENP FWM Inflow Conc ppb: 8.3

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1251	652	16%	6.9	9.4	6.9	9.9	9.4	8.1	7.6	0.5
1967	546	302	24%	7.0	12.1	7.0	13.4	11.9	9.5	10.3	-0.7
1968	1254	616	23%	6.5	9.3	6.5	10.1	9.3	7.8	7.6	0.2
1969	1163	608	15%	7.2	9.4	7.2	9.8	9.4	8.3	7.6	0.7
1970	2128	1119	18%	6.4	8.4	6.4	8.9	8.4	7.4	7.6	-0.2
1971	121	58	19%	7.4	8.3	7.4	8.5	8.3	7.8	12.8	-5.0
1972	579	382	19%	8.2	11.1	8.2	11.9	11.2	10.0	10.1	-0.1
1973	172	129	26%	10.7	12.2	10.7	12.7	12.2	11.8	12.5	-0.7
1974	254	183	27%	9.4	10.9	9.4	11.4	10.9	10.5	12.0	-1.5
1975	173	122	18%	8.1	9.6	8.1	9.9	9.6	9.2	12.5	-3.3
1976	692	403	22%	8.3	11.8	8.3	12.6	11.7	10.1	9.5	0.6
1977	297	180	33%	7.8	10.5	7.8	11.7	10.4	9.3	11.7	-2.4
1978	599	379	26%	8.2	10.7	8.2	11.5	10.6	9.7	10.0	-0.3
1979	487	316	18%	7.1	8.5	7.1	8.8	8.5	7.9	10.6	-2.7
1980	747	514	16%	7.4	9.4	7.4	9.8	9.4	8.7	9.2	-0.5
1981	204	129	31%	9.7	11.4	9.7	12.0	11.2	10.7	12.3	-1.7
1982	1089	570	19%	6.8	9.6	6.8	10.2	9.5	8.1	7.6	0.5
1983	1447	812	13%	6.8	8.5	6.8	8.8	8.6	7.7	7.6	0.1
1984	686	436	10%	7.3	9.4	7.3	9.6	9.4	8.5	9.5	-1.0
1985	278	168	31%	8.5	10.9	8.5	11.7	10.7	9.8	11.9	-2.0
1986	1091	626	15%	7.2	9.3	7.2	9.7	9.3	8.3	7.6	0.7
1987	390	312	12%	7.5	8.6	7.5	8.7	8.6	8.3	11.2	-2.9
1988	643	350	18%	7.9	9.0	7.9	9.3	9.0	8.5	9.7	-1.3
1989	98	53	22%	7.4	8.2	7.4	8.4	8.1	7.8	13.0	-5.2
1990	127	96	58%	11.4	14.9	11.4	18.5	14.4	13.6	12.8	0.9
1991	729	426	32%	7.7	13.1	7.7	14.9	12.6	10.4	9.3	1.1
1992	1001	519	24%	7.0	9.2	7.0	9.7	9.1	8.0	7.9	0.1
1993	1306	747	22%	7.1	9.4	7.1	10.0	9.4	8.3	7.6	0.7
1994	1311	717	17%	6.9	9.3	6.9	9.8	9.3	8.1	7.6	0.5
1995	3230	1623	21%	5.7	7.4	5.7	7.8	7.4	6.7	7.6	-0.9
1996	1563	763	19%	6.0	8.7	6.0	9.2	8.6	7.2	7.6	-0.4
1997	964	498	22%	7.3	9.8	7.3	10.3	9.6	8.4	8.1	0.3
1998	1175	678	19%	6.9	8.6	6.9	9.0	8.6	7.8	7.6	0.2
1999	1064	530	22%	7.2	9.4	7.2	9.9	9.3	8.2	7.6	0.6
2000	1120	520	18%	6.0	8.1	6.0	8.5	8.1	6.9	7.6	-0.7
2001	251	150	41%	8.8	10.8	8.8	11.7	10.5	9.9	12.0	-2.2
2002	1016	550	17%	7.6	10.6	7.6	11.1	10.5	9.1	7.8	1.2
2003	699	439	21%	8.7	12.7	8.7	13.6	12.5	11.0	9.4	1.5
2004	480	291	24%	7.6	10.3	7.6	11.1	10.2	9.2	10.7	-1.5
2005	775	457	25%	7.7	11.8	7.7	12.8	11.6	9.9	9.0	0.9

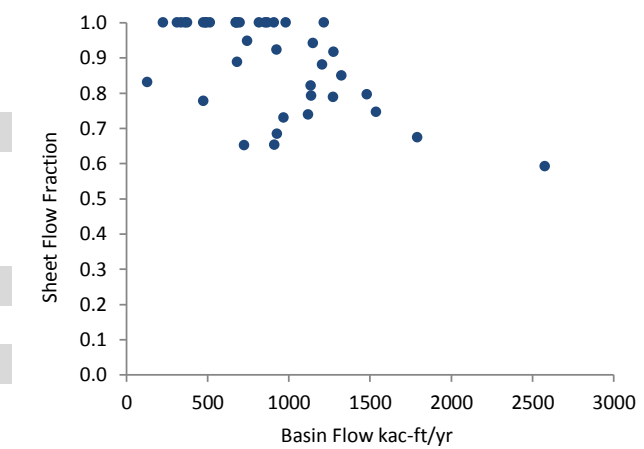
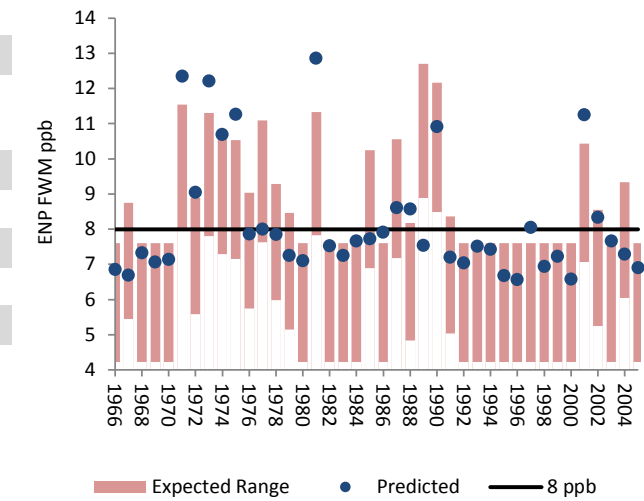
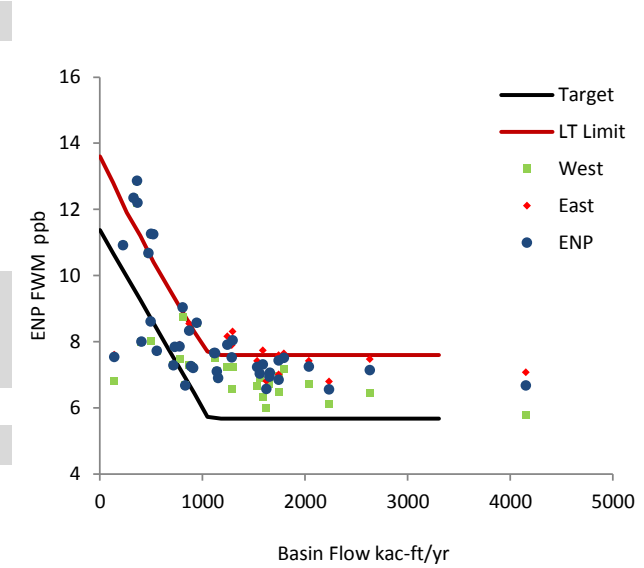


Alternative: ALT4R
 Sheet Flow Method: TRANS

Base Yr: 2020
 Scenario: ALT4R_20_T

Excursion Frequency: 28%
 ENP FWM Inflow Conc ppb: 7.5

Wtr Yr	Basin Flow	East Flow	Sheet	FWM Concs ppb --->			Csheet	Ccanal	Ceast	Cenp	Limit	C-Limit
	kac-ft	kac-ft	Fraction	RegWest	RegEast	RegWest						
1966	1744	1205	88%	6.5	10.3	6.5	11.0	7.0	6.8	7.6	-0.8	
1967	832	681	100%	6.7	11.4	6.7	12.6	6.7	6.7	8.8	-2.1	
1968	1589	1118	74%	6.3	10.6	6.3	11.8	7.7	7.3	7.6	-0.3	
1969	1660	1216	100%	7.1	9.2	7.1	9.6	7.1	7.1	7.6	-0.5	
1970	2633	1790	67%	6.4	9.1	6.4	9.6	7.5	7.1	7.6	-0.5	
1971	329	313	100%	12.3	11.6	12.3	11.4	12.3	12.3	11.5	0.8	
1972	807	743	95%	8.7	13.9	8.7	15.1	9.1	9.0	8.9	0.2	
1973	370	361	100%	12.2	14.3	12.2	14.9	12.2	12.2	11.3	0.9	
1974	474	474	100%	10.7	14.2	10.7	15.5	10.7	10.7	10.7	0.0	
1975	502	494	100%	11.3	14.0	11.3	14.6	11.3	11.3	10.5	0.7	
1976	777	682	89%	7.5	10.6	7.5	11.3	7.9	7.8	9.0	-1.2	
1977	406	375	100%	8.0	12.4	8.0	14.2	8.0	8.0	11.1	-3.1	
1978	730	675	100%	7.8	16.0	7.8	18.8	7.8	7.8	9.3	-1.4	
1979	888	854	100%	7.2	13.0	7.2	14.1	7.2	7.2	8.5	-1.2	
1980	1142	982	100%	7.1	9.5	7.1	9.9	7.1	7.1	7.6	-0.5	
1981	364	335	100%	12.9	13.5	12.9	13.7	12.9	12.9	11.3	1.5	
1982	1288	926	68%	6.5	10.1	6.5	10.8	7.9	7.5	7.6	-0.1	
1983	2038	1537	75%	6.7	9.1	6.7	9.4	7.4	7.2	7.6	-0.4	
1984	1126	925	92%	7.5	9.5	7.5	9.7	7.7	7.7	7.6	0.1	
1985	554	513	100%	7.7	12.8	7.7	14.6	7.7	7.7	10.2	-2.5	
1986	1246	911	65%	7.2	9.5	7.2	9.9	8.2	7.9	7.6	0.3	
1987	498	475	78%	8.0	10.5	8.0	10.8	8.6	8.6	10.6	-2.0	
1988	946	818	100%	8.6	13.3	8.6	14.3	8.6	8.6	8.2	0.4	
1989	141	128	83%	6.8	10.7	6.8	11.6	7.6	7.5	12.7	-5.2	
1990	226	225	100%	10.9	20.4	10.9	29.7	10.9	10.9	12.2	-1.3	
1991	909	697	100%	7.2	15.6	7.2	18.4	7.2	7.2	8.4	-1.2	
1992	1562	1148	94%	6.9	9.2	6.9	9.8	7.1	7.0	7.6	-0.6	
1993	1794	1325	85%	7.2	9.7	7.2	10.3	7.6	7.5	7.6	-0.1	
1994	1744	1273	79%	7.0	9.5	7.0	9.9	7.6	7.4	7.6	-0.2	
1995	4155	2576	59%	5.8	8.4	5.8	9.0	7.1	6.7	7.6	-0.9	
1996	2235	1480	80%	6.1	8.9	6.1	9.4	6.8	6.6	7.6	-1.0	
1997	1294	969	73%	7.2	10.5	7.2	11.2	8.3	8.0	7.6	0.4	
1998	1652	1276	92%	6.7	9.4	6.7	10.0	7.0	6.9	7.6	-0.7	
1999	1533	1139	79%	6.7	9.6	6.7	10.3	7.4	7.2	7.6	-0.4	
2000	1622	1136	82%	6.0	9.9	6.0	10.6	6.8	6.6	7.6	-1.0	
2001	520	488	100%	11.2	13.3	11.2	14.4	11.2	11.2	10.4	0.8	
2002	871	724	65%	7.3	10.3	7.3	10.8	8.5	8.3	8.6	-0.2	
2003	1114	909	100%	7.7	11.3	7.7	12.1	7.7	7.7	7.6	0.1	
2004	719	677	100%	7.3	11.2	7.3	12.3	7.3	7.3	9.3	-2.1	
2005	1154	869	100%	6.9	11.2	6.9	12.3	6.9	6.9	7.6	-0.7	

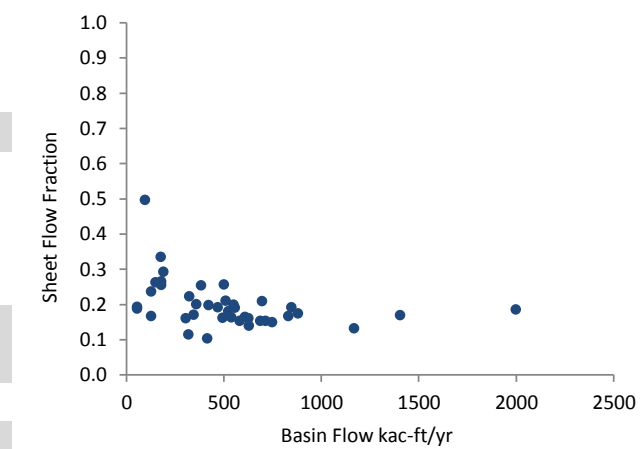
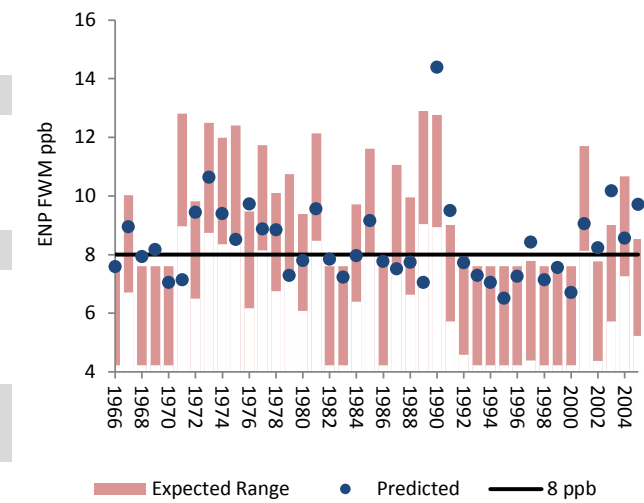
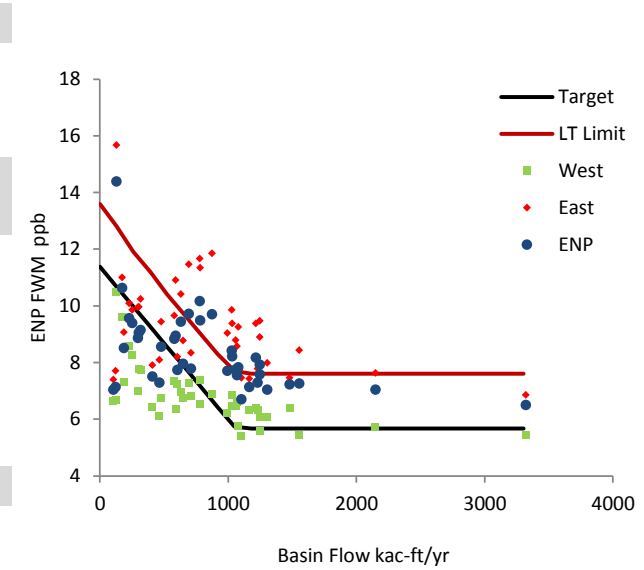


Alternative: ECB
 Sheet Flow Method: TRANS

Base Yr: 2025
 Scenario: ECB_25_T

Excursion Frequency: 28%
 ENP FWM Inflow Conc ppb: 7.8

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1249	688	15%	6.1	8.9	6.1	9.4	8.9	7.6	7.6	0.0
1967	591	358	20%	6.3	10.9	6.3	12.1	10.9	8.9	10.0	-1.1
1968	1248	696	21%	5.6	9.5	5.6	10.5	9.5	7.9	7.6	0.3
1969	1218	749	15%	6.4	9.4	6.4	9.9	9.4	8.2	7.6	0.6
1970	2150	1404	17%	5.7	7.6	5.7	8.0	7.6	7.0	7.6	-0.6
1971	123	56	19%	6.7	7.7	6.7	8.0	7.7	7.1	12.8	-5.7
1972	631	468	19%	6.9	10.4	6.9	11.2	10.4	9.4	9.8	-0.4
1973	173	128	24%	9.6	11.0	9.6	11.4	11.0	10.6	12.5	-1.9
1974	255	179	26%	8.3	9.9	8.3	10.4	9.9	9.4	12.0	-2.6
1975	188	129	17%	7.3	9.1	7.3	9.4	9.1	8.5	12.4	-3.9
1976	695	422	20%	7.3	11.5	7.3	12.5	11.5	9.7	9.5	0.3
1977	299	190	29%	7.0	9.9	7.0	11.2	9.9	8.9	11.7	-2.9
1978	580	383	25%	7.3	9.7	7.3	10.4	9.7	8.8	10.1	-1.3
1979	465	306	16%	6.1	8.1	6.1	8.5	8.1	7.3	10.7	-3.5
1980	711	494	16%	6.8	8.3	6.8	8.6	8.3	7.8	9.4	-1.6
1981	231	149	26%	8.6	10.1	8.6	10.6	10.1	9.6	12.1	-2.6
1982	1082	626	16%	5.7	9.2	5.7	9.9	9.2	7.8	7.6	0.2
1983	1481	1169	13%	6.4	7.5	6.4	7.6	7.5	7.2	7.6	-0.4
1984	650	415	10%	6.7	8.8	6.7	9.0	8.8	8.0	9.7	-1.8
1985	318	180	26%	7.7	10.2	7.7	11.1	10.2	9.1	11.6	-2.5
1986	1060	628	14%	6.5	8.8	6.5	9.2	8.8	7.8	7.6	0.1
1987	412	319	12%	6.4	7.9	6.4	8.1	7.9	7.5	11.1	-3.5
1988	606	346	17%	7.2	8.2	7.2	8.4	8.2	7.7	9.9	-2.2
1989	108	56	19%	6.7	7.4	6.7	7.6	7.4	7.0	12.9	-5.9
1990	129	97	50%	10.5	15.7	10.5	20.8	15.7	14.4	12.8	1.6
1991	782	501	26%	6.5	11.3	6.5	13.0	11.3	9.5	9.0	0.5
1992	993	550	20%	6.2	9.0	6.2	9.7	9.0	7.7	7.9	-0.2
1993	1232	848	19%	6.3	7.8	6.3	8.1	7.8	7.3	7.6	-0.3
1994	1305	715	15%	6.1	8.0	6.1	8.3	8.0	7.0	7.6	-0.6
1995	3324	1997	19%	5.4	6.9	5.4	7.2	6.9	6.5	7.6	-1.1
1996	1555	831	17%	5.4	8.4	5.4	9.0	8.4	7.2	7.6	-0.4
1997	1028	609	16%	6.5	9.9	6.5	10.5	9.9	8.4	7.8	0.6
1998	1167	881	17%	6.3	7.4	6.3	7.7	7.4	7.1	7.6	-0.5
1999	1072	557	19%	6.6	8.6	6.6	9.0	8.6	7.6	7.6	0.0
2000	1106	539	16%	5.4	7.5	5.4	7.9	7.5	6.7	7.6	-0.9
2001	304	177	33%	7.8	10.0	7.8	11.1	10.0	9.0	11.7	-2.7
2002	1031	582	15%	6.8	9.4	6.8	9.8	9.4	8.2	7.8	0.4
2003	781	523	18%	7.4	11.7	7.4	12.6	11.7	10.2	9.0	1.2
2004	479	323	22%	6.8	9.4	6.8	10.2	9.4	8.6	10.7	-2.1
2005	874	510	21%	6.9	11.8	6.9	13.2	11.8	9.7	8.5	1.2

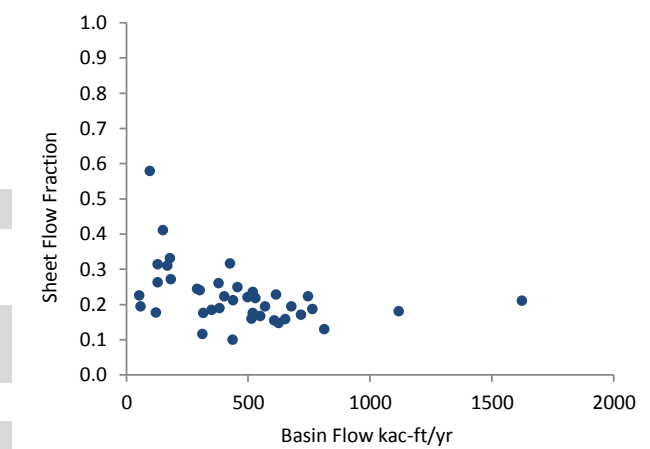
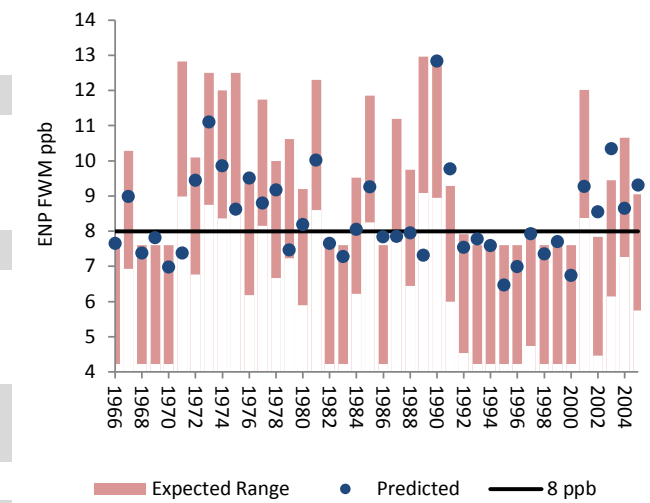
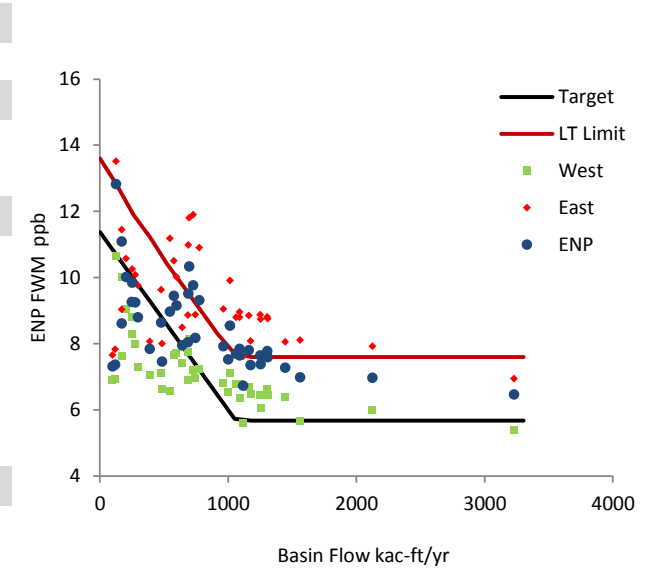


Alternative: FWO
 Sheet Flow Method: TRANS

Base Yr: 2025
 Scenario: FWO_25_T

Excursion Frequency: 20%
 ENP FWM Inflow Conc ppb: 7.8

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit
1966	1251	652	16%	6.4	8.9	6.4	9.3	8.9	7.6	7.6	0.0
1967	546	302	24%	6.6	11.4	6.6	12.6	11.2	9.0	10.3	-1.3
1968	1254	616	23%	6.1	8.8	6.1	9.5	8.7	7.4	7.6	-0.2
1969	1163	608	15%	6.7	8.9	6.7	9.2	8.8	7.8	7.6	0.2
1970	2128	1119	18%	6.0	8.0	6.0	8.4	7.9	7.0	7.6	-0.6
1971	121	58	19%	6.9	7.8	6.9	8.0	7.8	7.4	12.8	-5.5
1972	579	382	19%	7.7	10.5	7.7	11.2	10.5	9.4	10.1	-0.7
1973	172	129	26%	10.0	11.5	10.0	12.0	11.4	11.1	12.5	-1.4
1974	254	183	27%	8.8	10.3	8.8	10.8	10.3	9.8	12.0	-2.2
1975	173	122	18%	7.6	9.0	7.6	9.3	9.0	8.6	12.5	-3.9
1976	692	403	22%	7.7	11.1	7.7	11.9	11.0	9.5	9.5	0.0
1977	297	180	33%	7.3	9.9	7.3	11.0	9.8	8.8	11.7	-3.0
1978	599	379	26%	7.7	10.0	7.7	10.8	10.0	9.2	10.0	-0.8
1979	487	316	18%	6.6	8.0	6.6	8.3	8.0	7.5	10.6	-3.2
1980	747	514	16%	7.0	8.9	7.0	9.2	8.9	8.2	9.2	-1.0
1981	204	129	31%	9.0	10.7	9.0	11.3	10.6	10.0	12.3	-2.3
1982	1089	570	19%	6.3	9.1	6.3	9.6	8.9	7.6	7.6	0.0
1983	1447	812	13%	6.4	8.0	6.4	8.3	8.1	7.3	7.6	-0.3
1984	686	436	10%	6.9	8.9	6.9	9.1	8.9	8.0	9.5	-1.5
1985	278	168	31%	8.0	10.2	8.0	11.0	10.1	9.2	11.9	-2.6
1986	1091	626	15%	6.8	8.8	6.8	9.1	8.8	7.8	7.6	0.2
1987	390	312	12%	7.0	8.1	7.0	8.2	8.1	7.8	11.2	-3.3
1988	643	350	18%	7.4	8.5	7.4	8.7	8.5	7.9	9.7	-1.8
1989	98	53	22%	6.9	7.7	6.9	7.9	7.7	7.3	13.0	-5.7
1990	127	96	58%	10.6	14.1	10.6	17.5	13.5	12.8	12.8	0.0
1991	729	426	32%	7.2	12.3	7.2	14.1	11.9	9.8	9.3	0.5
1992	1001	519	24%	6.5	8.7	6.5	9.2	8.6	7.5	7.9	-0.4
1993	1306	747	22%	6.6	8.9	6.6	9.4	8.8	7.8	7.6	0.2
1994	1311	717	17%	6.4	8.8	6.4	9.2	8.7	7.6	7.6	0.0
1995	3230	1623	21%	5.4	7.0	5.4	7.4	6.9	6.5	7.6	-1.1
1996	1563	763	19%	5.7	8.2	5.7	8.7	8.1	7.0	7.6	-0.6
1997	964	498	22%	6.8	9.2	6.8	9.7	9.0	7.9	8.1	-0.2
1998	1175	678	19%	6.5	8.1	6.5	8.5	8.1	7.3	7.6	-0.3
1999	1064	530	22%	6.8	8.9	6.8	9.4	8.8	7.7	7.6	0.1
2000	1120	520	18%	5.6	7.7	5.6	8.1	7.6	6.7	7.6	-0.9
2001	251	150	41%	8.3	10.1	8.3	11.1	9.9	9.3	12.0	-2.8
2002	1016	550	17%	7.1	9.9	7.1	10.5	9.9	8.5	7.8	0.7
2003	699	439	21%	8.1	11.9	8.1	12.8	11.8	10.3	9.4	0.9
2004	480	291	24%	7.1	9.7	7.1	10.4	9.6	8.6	10.7	-2.0
2005	775	457	25%	7.2	11.1	7.2	12.1	10.9	9.3	9.0	0.3

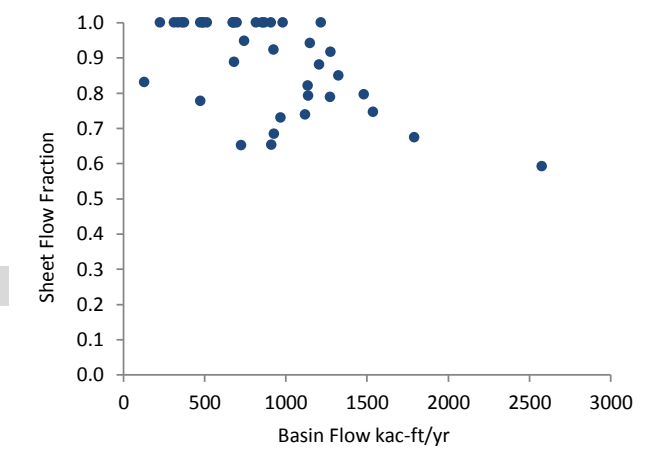
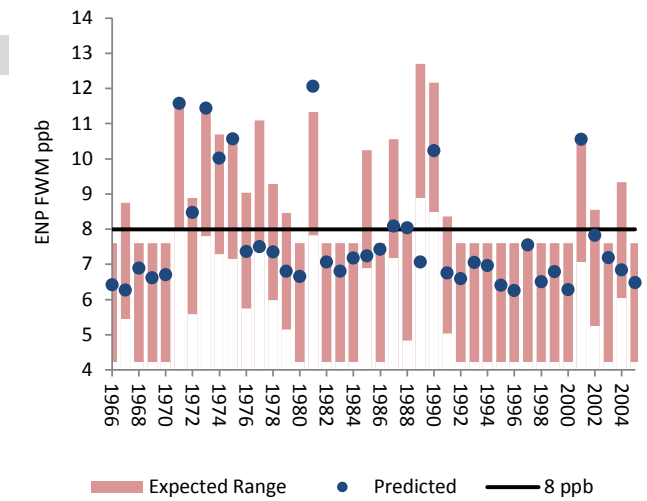
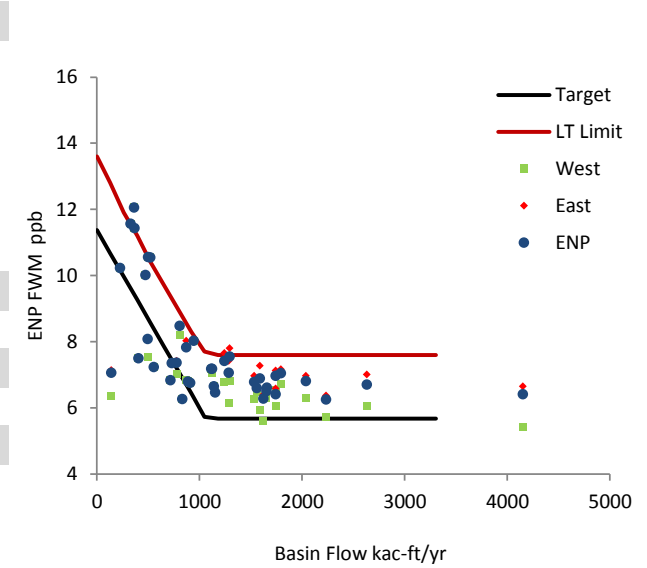


Alternative: ALT4R
 Sheet Flow Method: TRANS

Base Yr: 2025
 Scenario: ALT4R_25_T

Excursion Frequency: 13%
 ENP FWM Inflow Conc ppb: 7.1

Wtr Yr	Basin Flow		Sheet Fraction	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	C-Limit
	kac-ft	East Flow kac-ft		RegWest	RegEast							
1966	1744	1205	88%	6.1	9.7	6.1	10.4	6.6	6.4	7.6		-1.2
1967	832	681	100%	6.3	10.7	6.3	11.8	6.3	6.3	8.8		-2.5
1968	1589	1118	74%	5.9	10.0	5.9	11.1	7.3	6.9	7.6		-0.7
1969	1660	1216	100%	6.6	8.7	6.6	9.0	6.6	6.6	7.6		-1.0
1970	2633	1790	67%	6.0	8.5	6.0	9.0	7.0	6.7	7.6		-0.9
1971	329	313	100%	11.6	10.9	11.6	10.7	11.6	11.6	11.5		0.0
1972	807	743	95%	8.2	13.1	8.2	14.3	8.5	8.5	8.9		-0.4
1973	370	361	100%	11.4	13.4	11.4	14.1	11.4	11.4	11.3		0.1
1974	474	474	100%	10.0	13.4	10.0	14.6	10.0	10.0	10.7		-0.7
1975	502	494	100%	10.6	13.2	10.6	13.8	10.6	10.6	10.5		0.0
1976	777	682	89%	7.0	10.0	7.0	10.7	7.4	7.4	9.0		-1.7
1977	406	375	100%	7.5	11.6	7.5	13.4	7.5	7.5	11.1		-3.6
1978	730	675	100%	7.3	15.1	7.3	17.7	7.3	7.3	9.3		-1.9
1979	888	854	100%	6.8	12.2	6.8	13.3	6.8	6.8	8.5		-1.7
1980	1142	982	100%	6.6	8.9	6.6	9.4	6.6	6.6	7.6		-1.0
1981	364	335	100%	12.0	12.7	12.0	12.9	12.0	12.0	11.3		0.7
1982	1288	926	68%	6.1	9.5	6.1	10.2	7.4	7.1	7.6		-0.5
1983	2038	1537	75%	6.3	8.6	6.3	8.9	7.0	6.8	7.6		-0.8
1984	1126	925	92%	7.0	9.0	7.0	9.2	7.2	7.2	7.6		-0.4
1985	554	513	100%	7.2	12.1	7.2	13.7	7.2	7.2	10.2		-3.0
1986	1246	911	65%	6.8	9.0	6.8	9.3	7.7	7.4	7.6		-0.2
1987	498	475	78%	7.5	9.8	7.5	10.2	8.1	8.1	10.6		-2.5
1988	946	818	100%	8.0	12.5	8.0	13.5	8.0	8.0	8.2		-0.2
1989	141	128	83%	6.4	10.1	6.4	11.0	7.1	7.1	12.7		-5.6
1990	226	225	100%	10.2	19.2	10.2	28.0	10.2	10.2	12.2		-1.9
1991	909	697	100%	6.7	14.7	6.7	17.4	6.7	6.7	8.4		-1.6
1992	1562	1148	94%	6.5	8.7	6.5	9.2	6.6	6.6	7.6		-1.0
1993	1794	1325	85%	6.7	9.2	6.7	9.7	7.2	7.0	7.6		-0.6
1994	1744	1273	79%	6.5	8.9	6.5	9.3	7.1	7.0	7.6		-0.6
1995	4155	2576	59%	5.4	7.9	5.4	8.5	6.6	6.4	7.6		-1.2
1996	2235	1480	80%	5.7	8.3	5.7	8.9	6.4	6.2	7.6		-1.4
1997	1294	969	73%	6.8	9.9	6.8	10.5	7.8	7.5	7.6		-0.1
1998	1652	1276	92%	6.3	8.9	6.3	9.4	6.6	6.5	7.6		-1.1
1999	1533	1139	79%	6.2	9.0	6.2	9.7	7.0	6.8	7.6		-0.8
2000	1622	1136	82%	5.6	9.3	5.6	10.0	6.4	6.3	7.6		-1.3
2001	520	488	100%	10.5	12.6	10.5	13.6	10.5	10.5	10.4		0.1
2002	871	724	65%	6.8	9.7	6.8	10.2	8.0	7.8	8.6		-0.7
2003	1114	909	100%	7.2	10.6	7.2	11.4	7.2	7.2	7.6		-0.4
2004	719	677	100%	6.8	10.5	6.8	11.6	6.8	6.8	9.3		-2.5
2005	1154	869	100%	6.5	10.5	6.5	11.6	6.5	6.5	7.6		-1.1

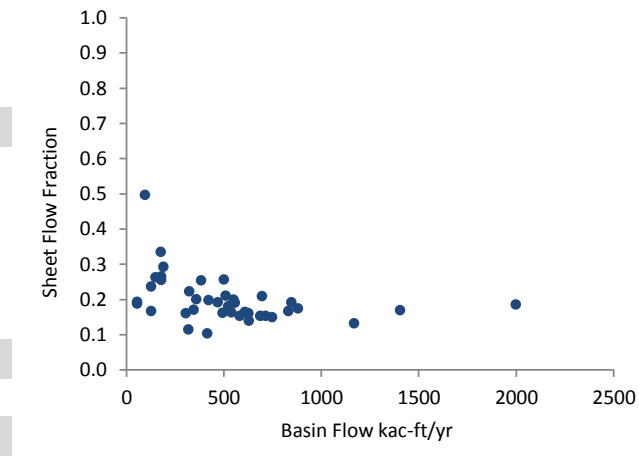
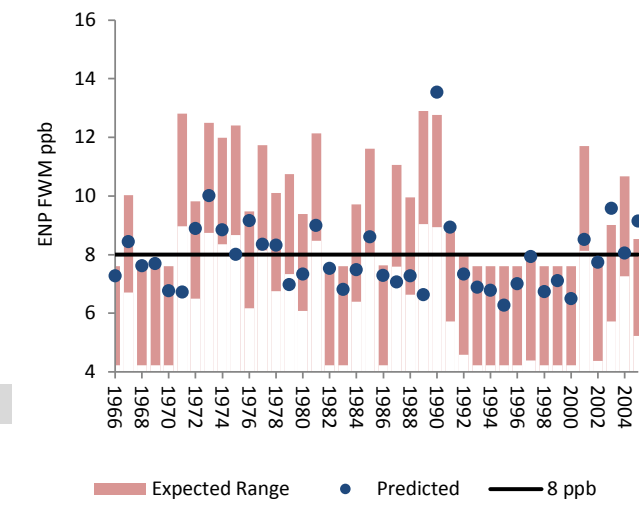
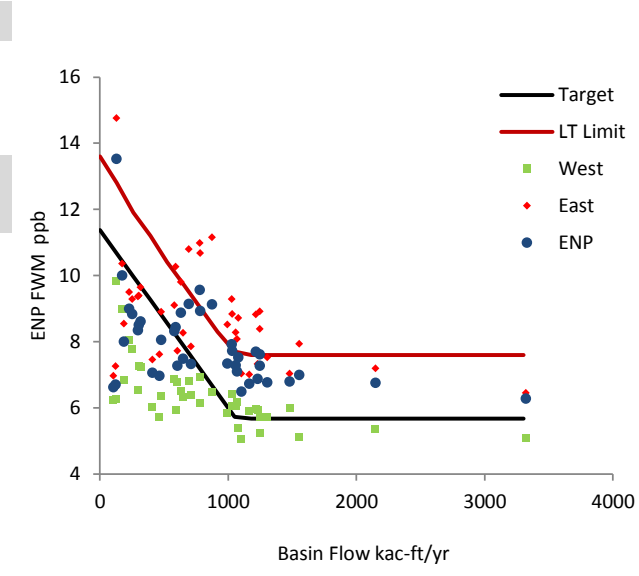


Alternative: ECB
 Sheet Flow Method: TRANS

Base Yr: 2030
 Scenario: ECB_30_T

Excursion Frequency: 13%
 ENP FWM Inflow Conc ppb: 7.4

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	C-Limit	> Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast							
1966	1249	688	15%	5.7	8.4	5.7	8.9	8.4	7.3	7.6	-0.3	
1967	591	358	20%	5.9	10.3	5.9	11.4	10.3	8.4	10.0	-1.6	
1968	1248	696	21%	5.2	8.9	5.2	9.9	8.9	7.6	7.6	0.0	
1969	1218	749	15%	6.0	8.8	6.0	9.3	8.8	7.7	7.6	0.1	
1970	2150	1404	17%	5.4	7.2	5.4	7.6	7.2	6.8	7.6	-0.8	
1971	123	56	19%	6.2	7.3	6.2	7.5	7.3	6.7	12.8	-6.1	
1972	631	468	19%	6.5	9.8	6.5	10.6	9.8	8.9	9.8	-0.9	
1973	173	128	24%	9.0	10.4	9.0	10.8	10.4	10.0	12.5	-2.5	
1974	255	179	26%	7.8	9.3	7.8	9.8	9.3	8.8	12.0	-3.2	
1975	188	129	17%	6.8	8.5	6.8	8.9	8.5	8.0	12.4	-4.4	
1976	695	422	20%	6.8	10.8	6.8	11.8	10.8	9.1	9.5	-0.3	
1977	299	190	29%	6.5	9.4	6.5	10.5	9.4	8.3	11.7	-3.4	
1978	580	383	25%	6.9	9.1	6.9	9.8	9.1	8.3	10.1	-1.8	
1979	465	306	16%	5.7	7.6	5.7	8.0	7.6	7.0	10.7	-3.8	
1980	711	494	16%	6.4	7.9	6.4	8.1	7.9	7.3	9.4	-2.1	
1981	231	149	26%	8.1	9.5	8.1	10.0	9.5	9.0	12.1	-3.2	
1982	1082	626	16%	5.4	8.7	5.4	9.3	8.7	7.5	7.6	-0.1	
1983	1481	1169	13%	6.0	7.0	6.0	7.2	7.0	6.8	7.6	-0.8	
1984	650	415	10%	6.3	8.3	6.3	8.5	8.3	7.5	9.7	-2.2	
1985	318	180	26%	7.2	9.6	7.2	10.5	9.6	8.6	11.6	-3.0	
1986	1060	628	14%	6.0	8.3	6.0	8.6	8.3	7.3	7.6	-0.3	
1987	412	319	12%	6.0	7.5	6.0	7.6	7.5	7.1	11.1	-4.0	
1988	606	346	17%	6.8	7.7	6.8	7.9	7.7	7.3	9.9	-2.7	
1989	108	56	19%	6.2	7.0	6.2	7.1	7.0	6.6	12.9	-6.3	
1990	129	97	50%	9.8	14.8	9.8	19.6	14.8	13.5	12.8	0.8	
1991	782	501	26%	6.1	10.7	6.1	12.2	10.7	8.9	9.0	-0.1	
1992	993	550	20%	5.8	8.5	5.8	9.2	8.5	7.3	7.9	-0.6	
1993	1232	848	19%	5.9	7.3	5.9	7.7	7.3	6.9	7.6	-0.7	
1994	1305	715	15%	5.7	7.5	5.7	7.9	7.5	6.8	7.6	-0.8	
1995	3324	1997	19%	5.1	6.5	5.1	6.8	6.5	6.3	7.6	-1.3	
1996	1555	831	17%	5.1	7.9	5.1	8.5	7.9	7.0	7.6	-0.6	
1997	1028	609	16%	6.0	9.3	6.0	9.9	9.3	7.9	7.8	0.1	
1998	1167	881	17%	5.9	7.0	5.9	7.2	7.0	6.7	7.6	-0.9	
1999	1072	557	19%	6.2	8.1	6.2	8.5	8.1	7.1	7.6	-0.5	
2000	1106	539	16%	5.1	7.0	5.1	7.4	7.0	6.5	7.6	-1.1	
2001	304	177	33%	7.3	9.4	7.3	10.4	9.4	8.5	11.7	-3.2	
2002	1031	582	15%	6.4	8.8	6.4	9.3	8.8	7.7	7.8	0.0	
2003	781	523	18%	6.9	11.0	6.9	11.9	11.0	9.6	9.0	0.6	
2004	479	323	22%	6.3	8.9	6.3	9.6	8.9	8.0	10.7	-2.6	
2005	874	510	21%	6.5	11.2	6.5	12.4	11.2	9.1	8.5	0.6	

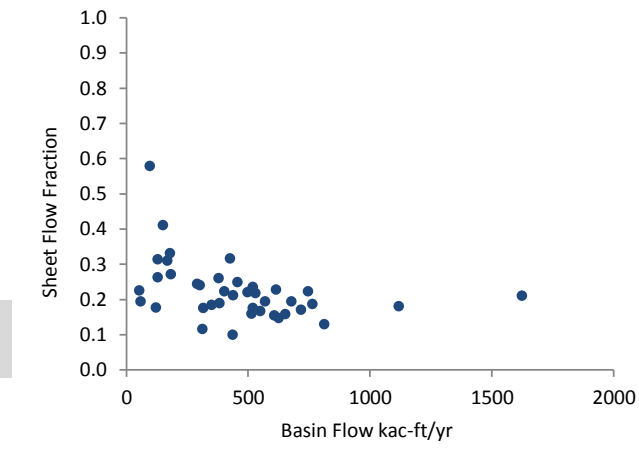
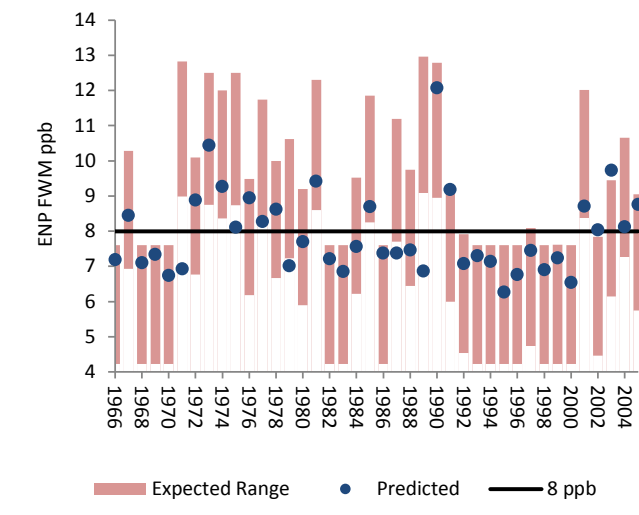
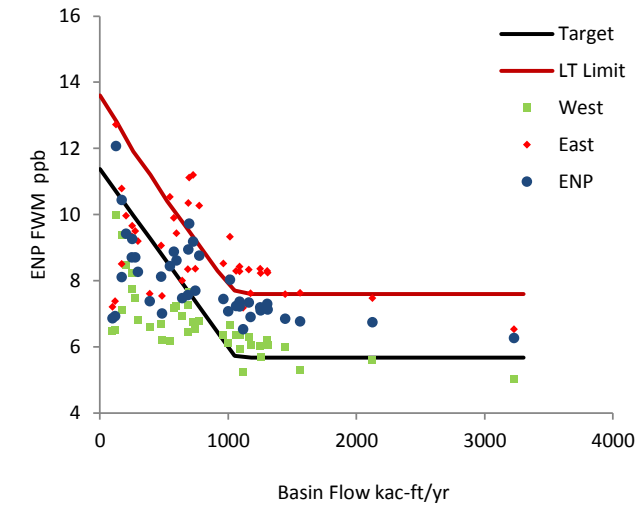


Alternative: FWO
 Sheet Flow Method: TRANS

Base Yr: 2030
 Scenario: FWO_30_T

Excursion Frequency: 5%
 ENP FWM Inflow Conc ppb: 7.4

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	> Limit	
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						C-Limit	
1966	1251	652	16%	6.0	8.4	6.0	8.8	8.4	7.2	7.6	-0.4	
1967	546	302	24%	6.1	10.7	6.1	11.9	10.5	8.4	10.3	-1.9	
1968	1254	616	23%	5.7	8.3	5.7	9.0	8.2	7.1	7.6	-0.5	
1969	1163	608	15%	6.3	8.3	6.3	8.7	8.3	7.3	7.6	-0.3	
1970	2128	1119	18%	5.6	7.5	5.6	7.9	7.5	6.7	7.6	-0.9	
1971	121	58	19%	6.5	7.4	6.5	7.6	7.4	6.9	12.8	-5.9	
1972	579	382	19%	7.2	9.9	7.2	10.5	9.9	8.9	10.1	-1.2	
1973	172	129	26%	9.4	10.8	9.4	11.3	10.8	10.4	12.5	-2.1	
1974	254	183	27%	8.2	9.7	8.2	10.2	9.7	9.3	12.0	-2.7	
1975	173	122	18%	7.1	8.5	7.1	8.8	8.5	8.1	12.5	-4.4	
1976	692	403	22%	7.2	10.4	7.2	11.2	10.3	8.9	9.5	-0.5	
1977	297	180	33%	6.8	9.3	6.8	10.4	9.2	8.3	11.7	-3.5	
1978	599	379	26%	7.2	9.5	7.2	10.2	9.4	8.6	10.0	-1.4	
1979	487	316	18%	6.2	7.6	6.2	7.8	7.5	7.0	10.6	-3.6	
1980	747	514	16%	6.5	8.4	6.5	8.7	8.4	7.7	9.2	-1.5	
1981	204	129	31%	8.5	10.1	8.5	10.6	10.0	9.4	12.3	-2.9	
1982	1089	570	19%	5.9	8.5	5.9	9.0	8.4	7.2	7.6	-0.4	
1983	1447	812	13%	6.0	7.6	6.0	7.8	7.6	6.8	7.6	-0.8	
1984	686	436	10%	6.4	8.3	6.4	8.6	8.3	7.6	9.5	-2.0	
1985	278	168	31%	7.5	9.7	7.5	10.4	9.5	8.7	11.9	-3.2	
1986	1091	626	15%	6.3	8.3	6.3	8.6	8.3	7.4	7.6	-0.2	
1987	390	312	12%	6.6	7.6	6.6	7.7	7.6	7.4	11.2	-3.8	
1988	643	350	18%	6.9	8.0	6.9	8.2	8.0	7.5	9.7	-2.3	
1989	98	53	22%	6.5	7.2	6.5	7.4	7.2	6.9	13.0	-6.1	
1990	127	96	58%	10.0	13.3	10.0	16.5	12.7	12.1	12.8	-0.7	
1991	729	426	32%	6.7	11.6	6.7	13.3	11.2	9.2	9.3	-0.1	
1992	1001	519	24%	6.1	8.1	6.1	8.7	8.1	7.1	7.9	-0.8	
1993	1306	747	22%	6.2	8.4	6.2	8.9	8.3	7.3	7.6	-0.3	
1994	1311	717	17%	6.0	8.3	6.0	8.7	8.2	7.1	7.6	-0.5	
1995	3230	1623	21%	5.0	6.6	5.0	6.9	6.5	6.3	7.6	-1.3	
1996	1563	763	19%	5.3	7.7	5.3	8.2	7.6	6.8	7.6	-0.8	
1997	964	498	22%	6.4	8.7	6.4	9.1	8.5	7.4	8.1	-0.6	
1998	1175	678	19%	6.1	7.6	6.1	8.0	7.6	6.9	7.6	-0.7	
1999	1064	530	22%	6.3	8.4	6.3	8.8	8.3	7.2	7.6	-0.4	
2000	1120	520	18%	5.2	7.2	5.2	7.6	7.2	6.5	7.6	-1.1	
2001	251	150	41%	7.7	9.5	7.7	10.4	9.3	8.7	12.0	-3.3	
2002	1016	550	17%	6.7	9.4	6.7	9.9	9.3	8.0	7.8	0.2	
2003	699	439	21%	7.6	11.2	7.6	12.0	11.1	9.7	9.4	0.3	
2004	480	291	24%	6.7	9.1	6.7	9.8	9.1	8.1	10.7	-2.5	
2005	775	457	25%	6.8	10.4	6.8	11.4	10.3	8.7	9.0	-0.3	



Alternative: ALT4R
 Sheet Flow Method: TRANS

Base Yr: 2030
 Scenario: ALT4R_30_T

Excursion Frequency: 0%
 ENP FWM Inflow Conc ppb: 6.7

Wtr Yr	Basin Flow		Sheet	FWM Concs ppb --->		Csheet	Ccanal	Ceast	Cenp	Limit	C-Limit
	kac-ft	East Flow kac-ft	Fraction	RegWest	RegEast						
1966	1744	1205	88%	5.7	9.2	5.7	9.8	6.2	6.1	7.6	-1.5
1967	832	681	100%	5.9	10.1	5.9	11.2	6.0	6.0	8.8	-2.8
1968	1589	1118	74%	5.5	9.4	5.5	10.4	6.8	6.6	7.6	-1.0
1969	1660	1216	100%	6.2	8.2	6.2	8.5	6.2	6.2	7.6	-1.4
1970	2633	1790	67%	5.7	8.0	5.7	8.5	6.6	6.4	7.6	-1.2
1971	329	313	100%	10.8	10.3	10.8	10.1	10.8	10.8	11.5	-0.7
1972	807	743	95%	7.7	12.3	7.7	13.4	8.0	7.9	8.9	-0.9
1973	370	361	100%	10.7	12.7	10.7	13.3	10.7	10.7	11.3	-0.6
1974	474	474	100%	9.4	12.6	9.4	13.7	9.4	9.4	10.7	-1.3
1975	502	494	100%	9.9	12.5	9.9	13.0	9.9	9.9	10.5	-0.6
1976	777	682	89%	6.6	9.4	6.6	10.1	6.9	6.9	9.0	-2.1
1977	406	375	100%	7.0	11.0	7.0	12.6	7.0	7.0	11.1	-4.1
1978	730	675	100%	6.9	14.2	6.9	16.7	6.9	6.9	9.3	-2.4
1979	888	854	100%	6.4	11.5	6.4	12.5	6.4	6.4	8.5	-2.1
1980	1142	982	100%	6.2	8.4	6.2	8.8	6.2	6.2	7.6	-1.4
1981	364	335	100%	11.3	11.9	11.3	12.2	11.3	11.3	11.3	0.0
1982	1288	926	68%	5.7	9.0	5.7	9.6	7.0	6.7	7.6	-0.9
1983	2038	1537	75%	5.9	8.1	5.9	8.4	6.5	6.4	7.6	-1.2
1984	1126	925	92%	6.6	8.4	6.6	8.6	6.8	6.7	7.6	-0.9
1985	554	513	100%	6.8	11.4	6.8	13.0	6.8	6.8	10.2	-3.5
1986	1246	911	65%	6.3	8.5	6.3	8.8	7.2	7.0	7.6	-0.6
1987	498	475	78%	7.0	9.3	7.0	9.6	7.6	7.6	10.6	-3.0
1988	946	818	100%	7.5	11.8	7.5	12.7	7.5	7.5	8.2	-0.7
1989	141	128	83%	6.0	9.5	6.0	10.3	6.7	6.6	12.7	-6.1
1990	226	225	100%	9.6	18.1	9.6	26.4	9.6	9.6	12.2	-2.6
1991	909	697	100%	6.3	13.8	6.3	16.4	6.3	6.3	8.4	-2.0
1992	1562	1148	94%	6.1	8.2	6.1	8.7	6.2	6.2	7.6	-1.4
1993	1794	1325	85%	6.3	8.6	6.3	9.2	6.7	6.6	7.6	-1.0
1994	1744	1273	79%	6.1	8.4	6.1	8.8	6.7	6.5	7.6	-1.1
1995	4155	2576	59%	5.1	7.4	5.1	8.0	6.2	6.2	7.6	-1.4
1996	2235	1480	80%	5.4	7.9	5.4	8.4	6.0	6.0	7.6	-1.6
1997	1294	969	73%	6.4	9.3	6.4	9.9	7.3	7.1	7.6	-0.5
1998	1652	1276	92%	5.9	8.4	5.9	8.9	6.2	6.1	7.6	-1.5
1999	1533	1139	79%	5.9	8.5	5.9	9.1	6.5	6.4	7.6	-1.2
2000	1622	1136	82%	5.3	8.8	5.3	9.4	6.0	6.0	7.6	-1.6
2001	520	488	100%	9.9	11.8	9.9	12.8	9.9	9.9	10.4	-0.6
2002	871	724	65%	6.4	9.1	6.4	9.6	7.5	7.3	8.6	-1.2
2003	1114	909	100%	6.7	10.0	6.7	10.7	6.7	6.7	7.6	-0.9
2004	719	677	100%	6.4	9.9	6.4	10.9	6.4	6.4	9.3	-2.9
2005	1154	869	100%	6.1	9.9	6.1	10.9	6.1	6.1	7.6	-1.5

