

Increases in Salinity in Old River at Bacon Island due to the Proposed WaterFix Project CWF H3+

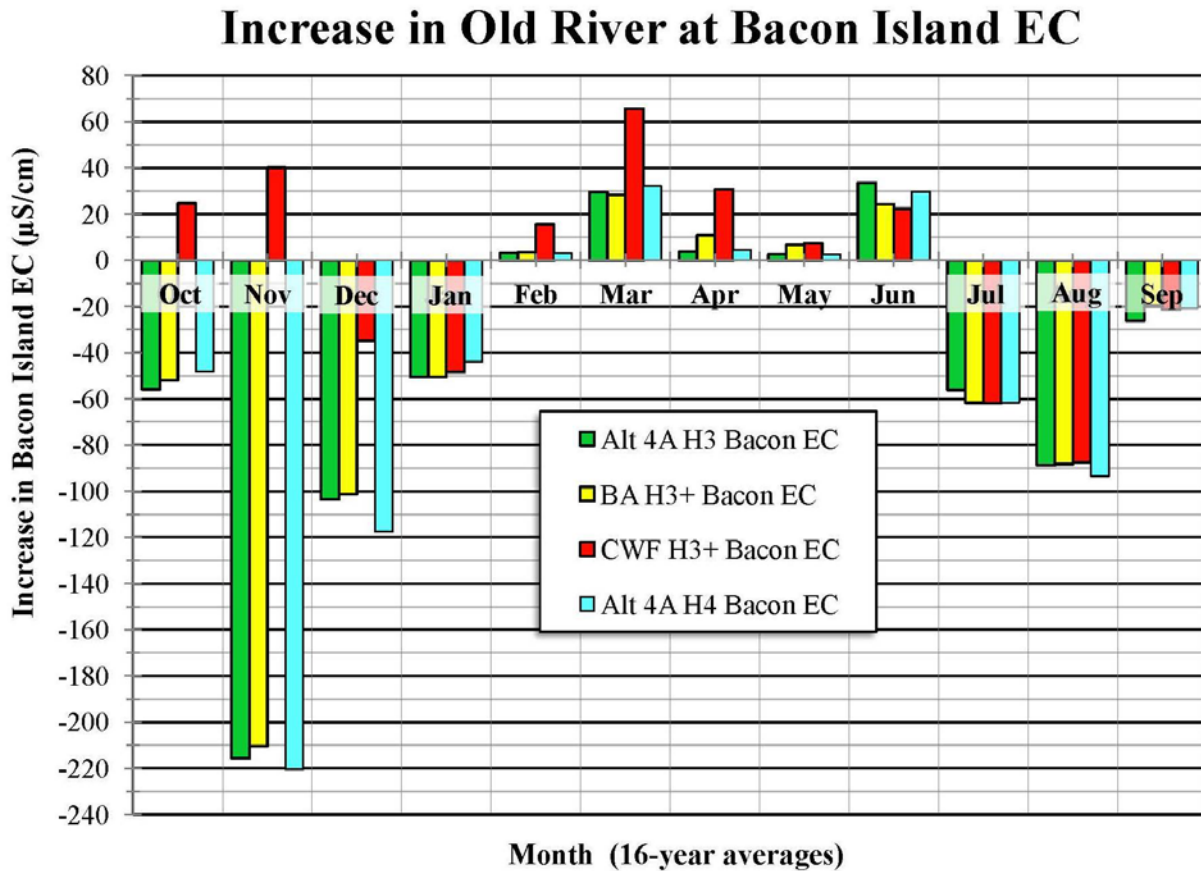


Figure 1: Increase in 16-year averaged salinity (EC) in Old River at Bacon Island by month relative to the No Action Alternative (NAA) due to the proposed Water Fix project CWF H3+. Also shown are the increases in 16-year average EC for Alternative 4A, scenarios H3 and H4. This was the range of the WaterFix proposed project presented by the Petitioners in Part 1 of this hearing. The version of the project for the Biological Assessment and public release of the Final EIR/EIS, BA H3+, is also plotted. The averaging is for the 16 years from October 1, 1975 through September 30, 1991. CWF H3+ EC changes are well outside the range of H3 and H4 in October, November, December, February, March, and April.

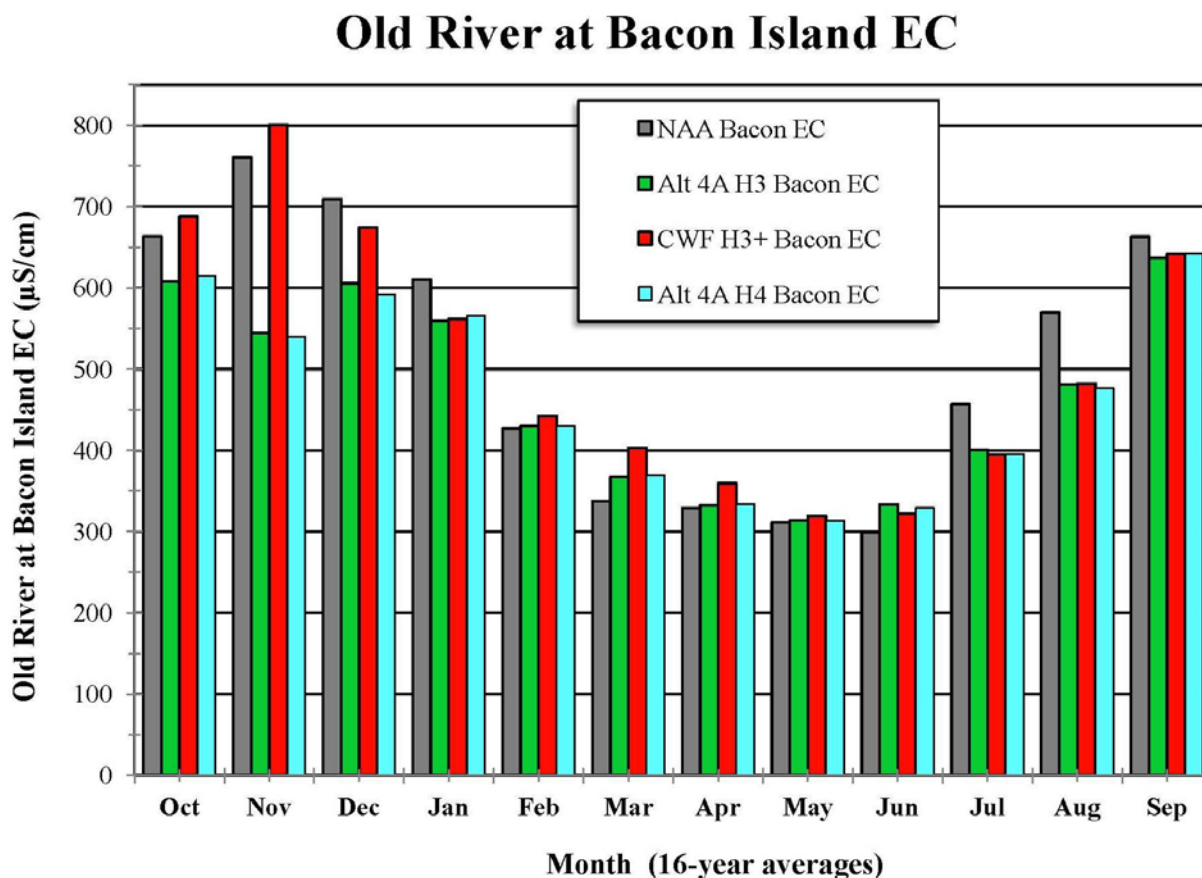


Figure 2: 16-year averaged salinity (EC) in Old River at Bacon Island for the No Action Alternative (NAA), the proposed Water Fix project CWF H3+, and Alternative 4A, scenarios H3 and H4. The averaging is for the 16 years from October 1, 1975 through September 30, 1991. CWF H3+ EC changes are well outside the range of H3 and H4 in October, November, December, February, March, and April.

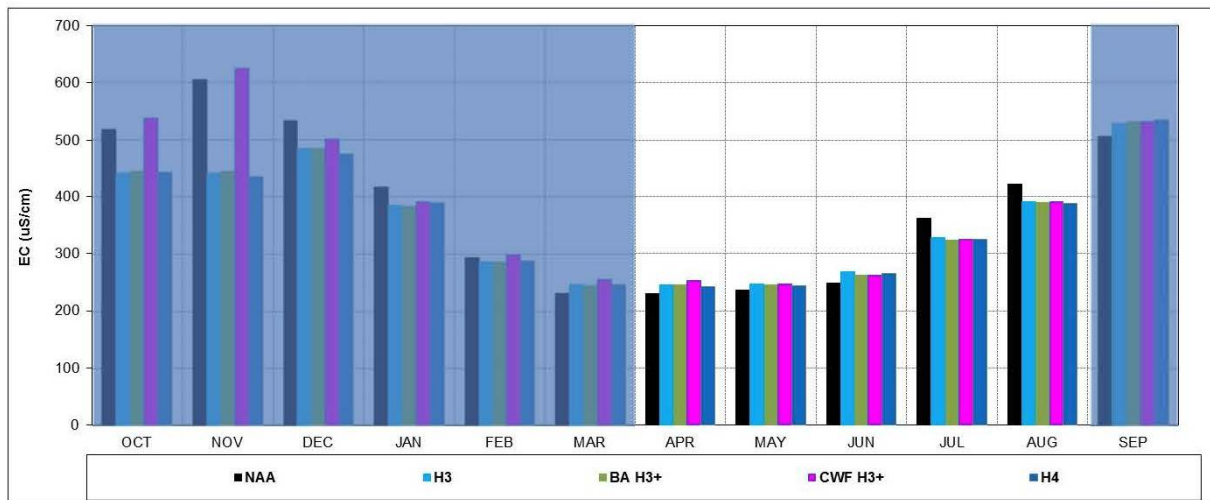
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Table 1: 16-year average salinity (EC) by month in Old River at Bacon Island for the proposed WaterFix project CWF H3+, the No Action Alternative (NAA) and other WaterFix alternatives. The averaging period is October 1, 1975 through September 30, 1991. All the alternatives are for early long term (ELT), i.e., 2025 climate change conditions and 2030 level of development.

	NAA	Boundary 1	Alt 4A H3	BA H3+	CWF H3+	Alt 4A H4
Month	Old River at Bacon EC ($\mu\text{S/cm}$)	Old River at Bacon EC ($\mu\text{S/cm}$)	Old River at Bacon EC ($\mu\text{S/cm}$)	Old River at Bacon EC ($\mu\text{S/cm}$)	Old River at Bacon EC ($\mu\text{S/cm}$)	Old River at Bacon EC ($\mu\text{S/cm}$)
Oct	663	800	607	611	688	615
Nov	760	919	545	550	801	540
Dec	709	834	606	608	674	592
Jan	610	686	560	560	562	566
Feb	427	489	430	430	443	430
Mar	338	373	367	366	403	370
Apr	329	297	333	340	359	333
May	311	276	314	318	319	314
Jun	300	307	333	324	322	329
Jul	457	393	401	395	395	395
Aug	570	485	481	482	482	476
Sep	663	684	637	643	642	642

Figure reproduced from DWR-1015, Testimony of Tara Smith

Figure EC3: Monthly Average EC at San Andreas Landing

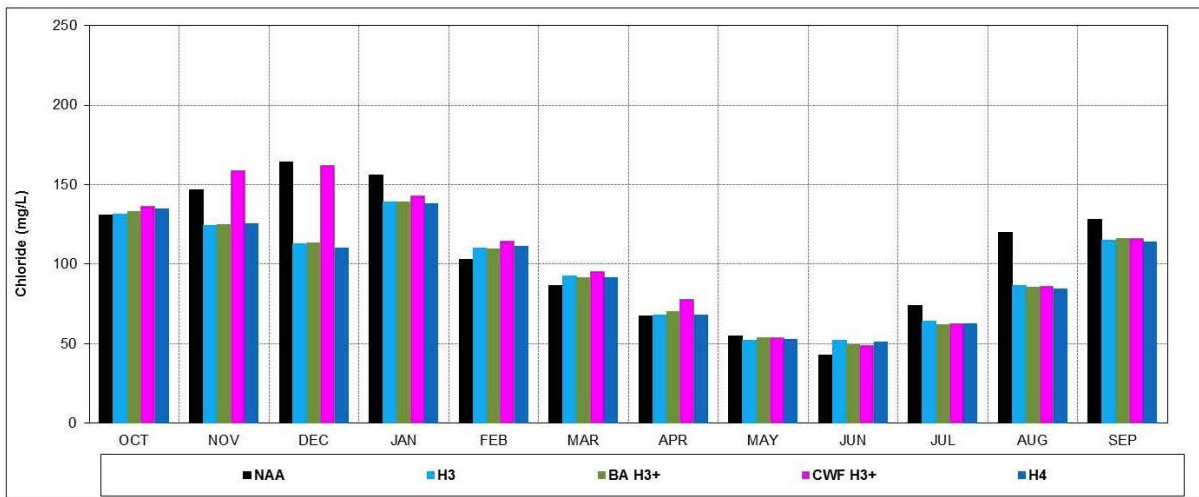


**Model results are used for comparative purposes and not for predictive purposes*

Figure EC3 (DWR-1015, Page 22) suggests the 16-year averaged EC at San Andreas Landing for the proposed WaterFix project, CWF H3+, will be greater than the NAA from September-November and February-June. CWF H3+ is outside the range of Alt. 4A, scenarios H3 and H4 (Part 1 proposed project) in October-November and February-April.

Figure reproduced from DWR-1015, Testimony of Tara Smith

Figure CL1: Monthly Average Chloride Concentration at Contra Costa Canal



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Figure CL1 (DWR-1015, Page 24) suggests the 16-year averaged chloride concentration at the Contra Costa Canal for the proposed WaterFix project, CWF H3+, will be greater than the NAA from September-November, February-April, and June. CWF H3+ is outside the range of Alternative 4A, scenarios H3 and H4 (Part 1 proposed project) from October-April.