

Table of Contents

Introduction.....	2
About the San Francisco Estuary Partnership.....	2
About the Estuary	2
Assessing the Vulnerability of our Work to Climate Change	3
1. Sea Level Rise	3
Trends and Projections.....	3
Main Impacts.....	4
2. Warming Temperatures.....	4
Trends and Projections	5
Main Impacts.....	6
3. Changes in Precipitation & Hydrologic Patterns	6
Trends and Projections	7
Main Impacts.....	9
4. Additive/Compounding Effects.....	9
5. Other Stressor Considerations.....	9
6. Evaluation of Climate Risks to Estuary Blueprint Actions.....	10
References.....	14

http://www.opc.ca.gov/webmaster/ftp/pdf/agenda_items/20180314/Item3_Exhibit-A OPC_SLR_Guidance-rd3.pdf

O'Brien TA, Sloan LC, Chuang PY, Faloona IC, Johnstone JA. 2013. Multidecadal simulation of coastal fog with a regional climate model. *Climate Dynamics* 40: 2801–2812.

Ryan H, Gibbons H, Hendley JW, Staufer P. 1999. El Niño sea-level rise wreaks havoc in California's San Francisco Bay Region. USGS Fact Sheet 175–99. Available from: <https://pubs.usgs.gov/fs/1999/fs175-99/#:~:text=El%20Nino%20Sea%2DLevel%20Rise%20Wreaks%20Havoc%20in%20California's%20SF%20Bay%20Region&text=During%20the%20winter%20of%201997,the%20San%20Francisco%20Bay%20region>.

Swain DL, Langenbrunner B, Neelin JD, Hall A. 2018. Increasing precipitation volatility in twenty-first-century California. *Nature Climate Change* 8(5): 427–433.

Wehner MF, Arnold JR, Knutson T, Kunkel KE, LeGrande AN. 2017. Droughts, floods, and wildfires. In: *Climate Science Special Report: Fourth National Climate Assessment, Volume I*. Wuebbles DJ, Fahey DW, Hibbard KA, Dokken DJ, Stewart BC, Maycock TK (eds.). Washington, DC: U.S. Global Change Research Program. p. 231-256.