

## 6.0 MND PREPARATION SOURCES AND REFERENCES

This Mitigated Negative Declaration (MND) was prepared by the staff of the California State Lands Commission's (CSLC) Division of Environmental Planning and Management (DEPM). The analysis in the MND is based on information provided on behalf of GWF Power Systems, L.P. (GWF or Applicant). The information and references provided in the MND were independently reviewed by DEPM staff.

### 6.1 CSLC STAFF

Project Manager: Holly Wyer, Environmental Scientist, DEPM  
Manager: Jennifer DeLeon, Environmental Program Manager, DEPM  
Other: Cy Oggins, Chief, DEPM

### 6.2 SECTION AUTHORS AND/OR REVIEWERS

Name and Title	Affiliation	MND Sections
Elizabeth Copley, Senior Project Manager	TRC	Complete document
Kristie Korst, Senior Project Engineer	TRC	Complete document
Doug Wolf, Program Manager	TRC	Air Quality Greenhouse Gas Emissions
James Ryan, Senior Staff Engineer	TRC	Air Quality Greenhouse Gas Emissions
Susan Underbrink MA, RPA Project Manager Archaeology	TRC	Cultural and Paleontological
Mark Cassidy Senior Project Manager	TRC	Biological Resources
Mike Farmer Project Manager	TRC	Biological Resources

### 6.3 REFERENCES CITED

- Association of Bay Area Governments (ABAG). 2012. Contra Costa County Census Data. Bay Area Census. Available online: [www.bayareacensus.ca.gov/counties/ContraCostaCounty.htm](http://www.bayareacensus.ca.gov/counties/ContraCostaCounty.htm). Accessed May 6, 2014.
- \_\_\_\_\_. 2013. Liquefaction Susceptibility Map. Available online: [http://gis3.abag.ca.gov/Website/liq\\_scenario\\_maps/viewer.htm](http://gis3.abag.ca.gov/Website/liq_scenario_maps/viewer.htm). Accessed May 5, 2014.
- Avocet Research Associates, Inc. 2014. GWF Outfall Pipe, Bay Point, Contra Costa Shoreline Biological Habitat Assessment, with Attention to Special Status Species. Prepared for TRC. Concord, CA. March 19 (revised April), 2014.

- 1 Bay Area Air Quality Management District (BAAQMD). 1999. BAAQMD CEQA  
2 Guidelines for Assessing the Air Quality Impacts of Projects and Plans. Prepared  
3 by the Planning and Research Division, San Francisco, CA. December 1999.
- 4 \_\_\_\_\_. 2010a. 2010 Clean Air Plan. Available online:  
5 [http://www.baaqmd.gov/Divisions/Planning-and-Research/Plans/Clean-Air-](http://www.baaqmd.gov/Divisions/Planning-and-Research/Plans/Clean-Air-Plans.aspx)  
6 [Plans.aspx](http://www.baaqmd.gov/Divisions/Planning-and-Research/Plans/Clean-Air-Plans.aspx). Accessed April 12, 2014.
- 7 \_\_\_\_\_. 2010b. California Environmental Quality Act Air Quality Guidelines, May 2010.  
8 Available online:  
9 [http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/Draft](http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/Draft_BAAQMD_CEQA_Guidelines_May_2010_Final.ashx?la=en)  
10 [\\_BAAQMD\\_CEQA\\_Guidelines\\_May\\_2010\\_Final.ashx?la=en](http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/Draft_BAAQMD_CEQA_Guidelines_May_2010_Final.ashx?la=en). Accessed April 10,  
11 2014
- 12 \_\_\_\_\_. 2012 (May). CEQA Air Quality Guidelines. Available online:  
13 [http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/BAA](http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/BAAQMD%20CEQA%20Guidelines_Final_May%202012.ashx?la=en)  
14 [QMD%20CEQA%20Guidelines\\_Final\\_May%202012.ashx?la=en](http://www.baaqmd.gov/~media/Files/Planning%20and%20Research/CEQA/BAAQMD%20CEQA%20Guidelines_Final_May%202012.ashx?la=en). Accessed April  
15 8, 2014.
- 16 \_\_\_\_\_. 2013. Air Quality Standards and Attainment Status. Available online:  
17 [http://hank.baaqmd.gov/pln/air\\_quality/ambient\\_air\\_quality.htm](http://hank.baaqmd.gov/pln/air_quality/ambient_air_quality.htm). Accessed  
18 February 22, 2013.
- 19 Beck and Haase. 1974. Historical Atlas of California. University of Oklahoma Press.  
20 Norman, Oklahoma.
- 21 Belcher, Thomas R. 2014. TRC Outfall Hydrographic Survey and Sediment  
22 Characterization. Underwater Resources, Inc. Prepared for GWF Power Systems,  
23 L.P., Alameda, CA. February 27, 2014.
- 24 Bennet, W. 2005. Critical Assessment of the Delta Smelt Population in the San  
25 Francisco Estuary, California. San Francisco Estuary & Watershed Science.
- 26 Borchardt, W.B., Joyner, W.B., Warrick, R.E., and Gibbs, J.F. 1975. Response of Local  
27 Geologic Units to Shaking. U.S. Geol. Survey Prof. Paper 941-A, 52-67.
- 28 California Air Resources Board (CARB), Fact Sheet, The Toxic Air Contaminant  
29 Identification Process: Toxic Air Contaminant Emissions from Diesel-fueled  
30 Engines. October 1998.
- 31 \_\_\_\_\_. 2007. Appendix B: Emissions Estimation Methodology for Commercial Harbor  
32 Craft Operating in California. Available online:  
33 <http://www.arb.ca.gov/regact/2007/chc07/appb.pdf>. Accessed April 9, 2014.
- 34 \_\_\_\_\_. 2008. Climate Change Scoping Plan. Available online:  
35 [http://www.arb.ca.gov/cc/scopingplan/document/adopted\\_scoping\\_plan.pdf](http://www.arb.ca.gov/cc/scopingplan/document/adopted_scoping_plan.pdf).  
36 Accessed April 2014
- 37 California Department of Fish and Game (CDFG). 2008. DFG Fall Midwater trawl  
38 sampling Sept.-Dec. 1967-2006.

- 1 \_\_\_\_\_. 2011. Special Animals List - January 2011. Sacramento, CA: California  
2 Department of Fish and Game.
- 3 California Department of Fish and Wildlife. 2014a. Marsh Types of Suisun. Available  
4 online: [http://www.dfg.ca.gov/delta/suisunmarsh/atlas/images/wetland\\_types.jpg](http://www.dfg.ca.gov/delta/suisunmarsh/atlas/images/wetland_types.jpg).  
5 Accessed April 9, 2014.
- 6 \_\_\_\_\_. 2014b. California Natural Diversity Database (CNDDDB), Rarefind 3.1.0. Site  
7 visited March 14, 2014.
- 8 California Department of Transportation (Caltrans). 2014. Traffic Data Branch.  
9 Accessed online at [www.traffic-counts.dot.ca.gov](http://www.traffic-counts.dot.ca.gov) on May 7, 2014.
- 10 California Environmental Protection Agency (Cal EPA). 2014. Cortese List. Available  
11 online at <http://www.calepa.ca.gov/sitecleanup/corteselist/default.htm>. Accessed  
12 May 6, 2014.
- 13 California Geological Survey (CGS). 2002. California Geomorphic Provinces Note 36.  
14 Available online:  
15 [www.conservation.ca.gov/cgs/information/publications/cgs\\_notes/note\\_36/Docum](http://www.conservation.ca.gov/cgs/information/publications/cgs_notes/note_36/Documents/note_36.pdf)  
16 [ents/note\\_36.pdf](http://www.conservation.ca.gov/cgs/information/publications/cgs_notes/note_36/Documents/note_36.pdf). Accessed May 7, 2014.
- 17 California State Lands Commission (CSLC). 2014. California State Lands Commission  
18 Shipwreck Database. Available online:  
19 [http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks\\_Database.asp](http://shipwrecks.slc.ca.gov/ShipwrecksDatabase/Shipwrecks_Database.asp).  
20 Accessed March 17, 2014.
- 21 Cohen, A.N., and J.T. Carlton. 1995. Nonindigenous Aquatic Species in a United States  
22 Estuary: A Case Study of the Biological Invasions of the San Francisco Bay and  
23 Delta. Available online: <http://www.anstaskforce.gov>. Accessed April 9, 2014.
- 24 Contra Costa County. 2005. (Reprint July 2010). County General Plan 2005-2020.  
25 Available online: <http://www.co.contra-costa.ca.us/4732/General-Plan>. Accessed  
26 May 5, 2014.
- 27 Contra Costa Sheriff's Office. 2014. General Information. Available online:  
28 [www.cocosherriff.org/home.htm](http://www.cocosherriff.org/home.htm). Accessed May 7, 2014.
- 29 Daniels, R.A., and P.B. Moyle. 1983. Life history of splittail Cyprinidae: *Pogonichthys*  
30 *macrolepidotus* in the Sacramento-San Joaquin Estuary. *Fishery Bulletin*: 647-  
31 654.
- 32 Department of Water Resources (DWR). 2011. 2011 Water Year Forecast as of May 1,  
33 2011. Available online: <http://cdec.water.ca.gov/cgi-progs/iodir/WSI.2011>.  
34 Accessed April 9, 2014.
- 35 Evens et al. 1989. Distribution and relative abundance of the California Black Rail  
36 (*Laterallus jamaicensis coturniculus*) in tidal marshes of the San Francisco Bay  
37 estuary. Evens, J.G., G.W. Page, L.E. Stenzel, R.W. Stallcup, and R.P,  
38 Henderson. Report to California Department of Fish and Game from Point Reyes  
39 Bird Observatory. January 1989.

- 1 Evens, J. and N. Nur. 2002. California Black Rails in the San Francisco Bay Region:  
2 Spatial and Temporal Variation in Distribution and Abundance. *Bird Populations*  
3 6:1-12.
- 4 Feyrer, F., T.R. Sommer, and R.D. Baxter. 2005. Spatio-Temporal Distribution and  
5 Habitat Associations of Age-0 Splittail in the Lower San Francisco Estuary  
6 Watershed. *Copeia*: 159-168.
- 7 Goals Project. 1999. Baylands Ecosystem Habitat Goals. A report of habitat  
8 recommendations prepared by the San Francisco Bay Area wetlands Ecosystem  
9 Goals Project. U.S. Environmental Protection Agency, San Francisco, Calif./S.F.  
10 Bay Regional Water Quality Control Board, Oakland, CA.
- 11 Greensfelder, R.W. 1974. Maximum credible rock accelerations from earthquakes in  
12 California. California Division of Mines and Geology, Map Sheet 23.
- 13 Heublein, J.C., J.T. Kelly, C.E. Crocker, A.P. Klimley, and S.T. Lindley. 2009. Migration  
14 of green sturgeon, *Acipenser medirostris*, in the Sacramento River. *Environmental*  
15 *Biology of Fish*: 245-258.
- 16 Intergovernmental Panel on Climate Change (IPCC). 2007 (February). *Climate Change*  
17 *2007: The Physical Science Basis. Contribution of Working Group I to the Fourth*  
18 *Assessment Report of the Intergovernmental Panel on Climate Change. Geneva,*  
19 *Switzerland.*
- 20 Israel, J.A. and A.P. Klimley. 2008. Life History Conceptual Model for North American  
21 Green Sturgeon (*Acipenser medirostris*). Univ. of California, Davis, December 27,  
22 2008. Page 30.
- 23 Leidy, R. A. 2007. Ecology, Assemblage Structure, Distribution, and Status of Fishes in  
24 Streams Tributary to the San Francisco Estuary, California. U.S. Environmental  
25 Protection Agency. San Francisco Estuary Institute.
- 26 Levine-Fricke. 2004. Framework for Assessment of Potential Effects of Dredging on  
27 Sensitive Fish Species in San Francisco Bay, Final Report. San Francisco: U.S.  
28 Army Corps of Engineers.
- 29 Levy, 1978. Costanoan in California, edited by Robert F. Heizer, pp.485-495. *Handbook*  
30 *of North American Indians, Vol. 8, William Sturtevant, Editor. Smithsonian*  
31 *Institution, Washington, D.C.*
- 32 Lindley, S.T., D.L. Erickson, M.L. Moser, G. Williams, O.P. Langness, and B.W.  
33 McCovey Jr. 2011. Electronic Tagging of Green Sturgeon Reveals Population  
34 Structure and Movement among Estuaries. *Transactions of the American*  
35 *Fisheries Society*: 108-122.
- 36 Long-term Management Strategy (LTMS). 2009. Background Information for Dredgers'  
37 Assessments of Potential Impacts on the Longfin Smelt in San Francisco Bay.  
38 Available online:

- 1 [http://www.spn.usace.army.mil/Portals/68/docs/Dredging/guidance/Longfin%20and%20Dredging%20Impacts\\_091409.pdf](http://www.spn.usace.army.mil/Portals/68/docs/Dredging/guidance/Longfin%20and%20Dredging%20Impacts_091409.pdf). Accessed June 17, 2014.
- 2
- 3 Milliken, R. 1995. *A Time of Little Choice: The Disintegration of Tribal Culture in the San*  
4 *Francisco Bay Area, 1769–1810*. Menlo Park, CA: Ballena Press Publishers'  
5 Services.
- 6 Moratto 1984. *California Archaeology*. Michael J. Moratto. Reprinted 2004 by Coyote  
7 Press, Salinas.
- 8 Moyle, P.B. 2002. *Inland Fishes of California, Revised and Expanded*. University of  
9 California Press, Berkeley. 502 pages.
- 10 Moyle, P.B., J.A. Israel, and S.F. Purdy. 2008. *Salmon, Steelhead, and Trout in*  
11 *California, Status of an Emblematic Fauna*. Center for Watershed Sciences, Univ.  
12 of Calif., Davis. Commissioned by California Trout. 316 pages.
- 13 National Marine Fisheries Service (NMFS). 2007. *Report on the subtidal habitats and*  
14 *associated biological taxa in San Francisco Bay*. Santa Rosa, California.
- 15 National Oceanic and Atmospheric Administration (NOAA). 2014. *Essential Fish Habitat*  
16 *(EFH) Mapper*. Available online:  
17 <http://www.habitat.noaa.gov/protection/efh/efhmapper/>. Accessed March 18 and  
18 20, 2014.
- 19 Office of Environmental Health Hazard Assessment (OEHHA). 2003 (August). *Air*  
20 *Toxics Hot Spots Program Risk Assessment Guidelines*. Available online:  
21 [http://www.oehha.org/air/hot\\_spots/HRAguidefinal.html](http://www.oehha.org/air/hot_spots/HRAguidefinal.html). Accessed June 17, 2014.
- 22 Rosenfield, J.A., and R.D. Baxter. 2007. *Population Dynamics and Distribution Patterns*  
23 *of Longfin Smelt in the San Francisco Estuary*. *Transactions of the American*  
24 *Fisheries Society*: 1577-1592.
- 25 Salinas, Julio. Staff toxicologist. Office of Environmental Health Hazard Assessment,  
26 Sacramento, CA. August 3, 2004—telephone conversation with Kurt Legleiter of  
27 EDAW regarding exposure period for determining health risk.
- 28 San Francisco Bay Regional Water Quality Control Board (SFBRWQCB) 2011. *San*  
29 *Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan)*. Available  
30 online: [www.waterboards.ca.gov/sanfranciscobay/basin\\_planning.shtml](http://www.waterboards.ca.gov/sanfranciscobay/basin_planning.shtml).  
31 Accessed May 7, 2014.
- 32 San Francisco Estuary Partnership (SFEP). 2004. *The San Francisco Bay-Delta*  
33 *Estuary Under Siege: Aquatic Invasive Species*. Available online:  
34 [http://sfep.sfei.org/wp-content/uploads/2012/12/9Aquatic\\_Organisms-Wildlife.pdf](http://sfep.sfei.org/wp-content/uploads/2012/12/9Aquatic_Organisms-Wildlife.pdf).  
35 Accessed June 17, 2014.
- 36 South Coast Air Quality Management District (SCAQMD). 2011. *California Emission*  
37 *Estimator Model V 2013.2.2*. Available online: <http://www.caleemod.com/>.  
38 Accessed January 2014.

- 1 Spear, L.B., S.B. Terrill, C. Lenihan, and P. Delevoryas. 1999. Effects of temporal and  
2 environmental factors on the probability of detecting California black rails. *Journal*  
3 *of Field Ornithology* 70(4):465-480.
- 4 TRC. 2014. Essential Fish Habitat Assessment and Fisheries Biological Assessment for  
5 the GWF Site 5 Wastewater Outfall Pipe Removal Project. Concord, CA. April  
6 2014.
- 7 U.S. Army Corps of Engineers (USACE). March 2007. Best Management Practices for  
8 Pile Removal. Available online:  
9 [http://www.nws.usace.army.mil/Portals/27/docs/regulatory/forms/Revised\\_EPA\\_Pil](http://www.nws.usace.army.mil/Portals/27/docs/regulatory/forms/Revised_EPA_Piling_Removal_BMP%27s_3_01_07.pdf)  
10 [ing\\_Removal\\_BMP%27s\\_3\\_01\\_07.pdf](http://www.nws.usace.army.mil/Portals/27/docs/regulatory/forms/Revised_EPA_Piling_Removal_BMP%27s_3_01_07.pdf). Accessed March 10, 2014.
- 11 U.S. Census Bureau. 2003. Population and Housing Unit Counts. California: 2000.  
12 Available online at [www.census.gov/prod/cen2000/phc-3-6.pdf](http://www.census.gov/prod/cen2000/phc-3-6.pdf). Accessed May 6,  
13 2014.
- 14 U.S. Census Bureau. 2010. Population and Housing Unit Counts. California. Available  
15 online at <http://quickfacts.census.gov/qfd/states/06/06013.html>. Accessed May 5,  
16 2014.
- 17 U.S. Environmental Protection Agency (USEPA). 2006. 2006 Water Body Report for the  
18 Carquinez Strait. Available online at  
19 [http://ofmpub.epa.gov/tmdl\\_waters10/attains\\_waterbody.control?p\\_list\\_id=CAE20](http://ofmpub.epa.gov/tmdl_waters10/attains_waterbody.control?p_list_id=CAE2071002019980928134605&p_cycle=&p_report_type)  
20 [71002019980928134605&p\\_cycle=&p\\_report\\_type](http://ofmpub.epa.gov/tmdl_waters10/attains_waterbody.control?p_list_id=CAE2071002019980928134605&p_cycle=&p_report_type). Accessed May 7, 2014.
- 21 U.S. Fish and Wildlife Service (USFWS). 2008. Formal Endangered Species Act  
22 Consultation of the Proposed Coordinated Operations of the Central Valley Project  
23 and State Water Project. Available online:  
24 [http://www.fws.gov/sfbaydelta/documents/swp-cvp\\_ops\\_bo\\_12-15\\_final\\_ocr.pdf](http://www.fws.gov/sfbaydelta/documents/swp-cvp_ops_bo_12-15_final_ocr.pdf).  
25 Accessed June 17, 2014.
- 26 \_\_\_\_\_. 2014. Species Fact Sheet: River Lamprey *Lampetra ayresii*. Available online:  
27 <http://www.fws.gov/wafwo/species/Fact%20sheets/Riverlampreyfinal.pdf>.  
28 Accessed April 10, 2014.
- 29 Wang, J. 1991. Delta Smelt, *Hypomesus transpacificus*, in the Sacramento-San Joaquin  
30 Estuary, with comparison of early life stages in the longfin smelt, *Spirinchus*  
31 *thaleichthys*. Available online:  
32 [http://www.water.ca.gov/iep/docs/tech\\_rpts/TR28.Early%20Life%20Stages%20an](http://www.water.ca.gov/iep/docs/tech_rpts/TR28.Early%20Life%20Stages%20and%20Early%20Life%20History%20of%20the%20Delta%20Smelt,%20Hypomesus%20Transpacificus,%20in%20the%20Sacramento-San%20Joaquin%20Estuary,%20with%20Comparison%20of%20Early%20Life%20Stages%20of%20the%20Longfin%20Smelt.pdf)  
33 [d%20Early%20Life%20History%20of%20the%20Delta%20Smelt,%20Hypomesus](http://www.water.ca.gov/iep/docs/tech_rpts/TR28.Early%20Life%20Stages%20and%20Early%20Life%20History%20of%20the%20Delta%20Smelt,%20Hypomesus%20Transpacificus,%20in%20the%20Sacramento-San%20Joaquin%20Estuary,%20with%20Comparison%20of%20Early%20Life%20Stages%20of%20the%20Longfin%20Smelt.pdf)  
34 [%20Transpacificus,%20in%20the%20Sacramento-](http://www.water.ca.gov/iep/docs/tech_rpts/TR28.Early%20Life%20Stages%20and%20Early%20Life%20History%20of%20the%20Delta%20Smelt,%20Hypomesus%20Transpacificus,%20in%20the%20Sacramento-San%20Joaquin%20Estuary,%20with%20Comparison%20of%20Early%20Life%20Stages%20of%20the%20Longfin%20Smelt.pdf)  
35 [San%20Joaquin%20Estuary,%20with%20Comparison%20of%20Early%20Life%2](http://www.water.ca.gov/iep/docs/tech_rpts/TR28.Early%20Life%20Stages%20and%20Early%20Life%20History%20of%20the%20Delta%20Smelt,%20Hypomesus%20Transpacificus,%20in%20the%20Sacramento-San%20Joaquin%20Estuary,%20with%20Comparison%20of%20Early%20Life%20Stages%20of%20the%20Longfin%20Smelt.pdf)  
36 [0Stages%20of%20the%20Longfin%20Smelt.pdf](http://www.water.ca.gov/iep/docs/tech_rpts/TR28.Early%20Life%20Stages%20and%20Early%20Life%20History%20of%20the%20Delta%20Smelt,%20Hypomesus%20Transpacificus,%20in%20the%20Sacramento-San%20Joaquin%20Estuary,%20with%20Comparison%20of%20Early%20Life%20Stages%20of%20the%20Longfin%20Smelt.pdf). Accessed June 17, 2014.
- 37 Western Regional Air Partnership. 2006 WRAP Fugitive Dust Handbook. September 7,  
38 2006. Available online:  
39 [http://www.wrapair.org/forums/dejfdh/content/FDHandbook\\_Rev\\_06.pdf](http://www.wrapair.org/forums/dejfdh/content/FDHandbook_Rev_06.pdf).  
40 Accessed June 17, 2014.