Acronyms and Abbreviations

| 1D – 1-dimensional | DWSC – Stockton Deep Water Ship Channel |
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| | • • |
| 2D – 2-dimensional | DYRESM – Dynamic Reservoir Model |
| 3D – 3-dimensional | EC – Electrical Conductivity |
| ACTS – Advanced Computational Testing and | EIR/EIS Environmental Impact Report / |
| Simulations | Environmental Impact Statement |
| ADCP – Acoustic Doppler Current Profiler | EPA – U.S. Environmental Protection Agency |
| ADICU – Adjusted Delta Island Consumptive | FEM – Finite Element Methods |
| Use | FVM – Finite Volume Methods |
| AMR – Adaptive Mesh Refinement | GIS – Geographic Information System |
| API – Application Programming Interfaces | GUI - Graphical User Interface |
| ARC-HYDRO – database designed to store | HDF5 – file format for saving data |
| hydrologic information | HEC – USACE Hydrologic Engineering Center |
| BOD – Biochemical Oxygen Demand | HYDRO – DSM2 Hydrodynamics Model |
| CALSIM – California Water Resources | IEP – Interagency Ecological Program |
| Simulation Model | ISI – Integrated Storage Investigation (part of |
| CALSIM II – California Water Resources | DWR) |
| Simulation Model II | ISI-IDS – ISI In-Delta Storage Program |
| CALVIN – (CALifornia Value Integrated | LBL – Lawrence Berkeley Laboratories |
| Network) U.C. Davis Economic Water | MIDS – Morrow Island Distribution System |
| Resources Optimization Model | MIKE – Danish Hydrology Institute's multi- |
| cfs – cubic feet per second | dimensional hydrodynamic and water |
| DES – Division of Environmental Services (part | quality models |
| of DWR) | MWQI – Municipal Water Quality |
| DICU – Delta Island Consumptive Use Model | Investigations |
| DMC – Delta Mendota Canal | NDO – Net Delta Outflow |
| DO – Dissolved Oxygen | NOAA – National Oceanic and Atmospheric |
| DOC – Dissolved Organic Carbon | Administration |
| DSM2 – Delta Simulation Model 2 | PTM – DSM2 Particle Tracking Model |
| DSS – HEC's Data Storage System | QUAL – DSM2 Water Quality Model |
| DWR – California Department of Water | REALM – River, Estuary, and Land Model |
| Resources | RKI – River Kilometer Index |
| DWRSIM – DWR's Monthly Operations | RMA – multi-dimensional hydrodynamic and |
| Optimization Model (Predecessor to | water quality finite element models |
| CALSIM) | RRI – Rough and Ready Island |
| | Itomor with Items of Island |

SDIP – South Delta Improvements Program

SGT – Scientific Graphics Toolkit

SJR – San Joaquin River

SJRIO – San Joaquin River Input-Output Model

SMARTS – Special Multipurpose Research and Technology Station

SPAWAR – Space and Naval Warfare Systems
Command

TAF – thousand acre-feet

TDF – Through Delta Facility

TMDL – Total Maximum Daily Load

TRIM2D – USGS and SPAWAR 2D, depthaveraged, finite-difference hydrodynamic model

TRIM3D – USGS and SPAWAR 3D, depthaveraged, finite-difference hydrodynamic model

USACE – U.S. Army Corps of Engineers

USGS – U.S. Geological Survey

VTools – time series visualization tool (under development)