APPENDIX 3:

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Relevant to the IEP EMP

Additions/corrections welcome! Please contact Anke Mueller-Solger, amueller@water.ca.gov.

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IV. ONLINE RESOURCES

A. Interagency Programs

1. Regional:

   a) Interagency Ecological Program (IEP)

   Home Page: http://www.iep.ca.gov/

   Report titles: http://www.iep.ca.gov/report/reports.html
   Newsletters: http://www.iep.ca.gov/report/newsletter/
   IEP Hydrodynamics and water quality data storage system (HEC-DSS) time-series databases: http://www.iep.ca.gov/dss/
   IEP relational database: http://sarabande.water.ca.gov:8000/~bdtdb/
   Individual project work team databases: http://www.iep.ca.gov/pwt.html

Suisun Marsh Monitoring: http://iep.water.ca.gov/suisun/curr-report/SMSCGReferenceGuide_Version02.pdf

b) CALFED

Home Page: http://calfed.ca.gov/
Current reports and studies: http://calfed.ca.gov/current_pubs.html
Archived reports and studies: http://calfed.ca.gov/historical_docs.html
CALFED Science Program: http://calfed.ca.gov/science.html
Comprehensive Monitoring, Assessment, and Research Program (CMARP) (now part of the CALFED Science Program): http://calfed.ca.gov/programs/cmarp.html
CMARP Report 1999: http://calfed.ca.gov/programs/cmarp/contents.html
CMARP Report Appendix VII, 1999: Monitoring Program Design: http://calfed.ca.gov/programs/cmarp/appendices.html
CMARP Report Appendix VIIA4 1998, Monismith et al.et al.: Hydrodynamics monitoring and research: http://calfed.ca.gov/programs/cmarp/a7a4.html
CMARP Report Appendix VIIA5 and VIIB5 1998, Kimmerer et al.: Estuarine System Productivity: Lower Trophic Levels: http://calfed.ca.gov/programs/cmarp/a7a5.html
CMARP Report Appendix VIIA13 1998, Harrington et al.: Monitoring, Research, and Assessment Components for Benthic Macroinvertebrate Communities: http://calfed.ca.gov/programs/cmarp/a7a13.html
CMARP Report Appendix VIIA14 1998, no author: Monitoring for Non-indigenous Organisms: http://calfed.ca.gov/programs/cmarp/a7a14.html
Comprehensive Monitoring, Assessment and Research Program Inventory database: http://www.sfei.org/cmarp/
Bay-Delta Hot Issues Calfed Video: http://www.bay-delta.org/hot.html

2. Federal

a) Clean Water Action Plan (U.S. Department of Agriculture, U.S. Department of the Interior, U.S. Department of Defense, U.S. Army Corps of Engineers, U.S. Department of Commerce, National Oceanic Atmospheric Administration, U.S. Environmental Protection Agency, Tennessee Valley Authority (TVA), U.S. Department of Energy, U.S. Department of Transportation, U.S. Department of Justice):

Home Page: http://www.cleanwater.gov/
Coastal Research and Monitoring Strategy:
http://www.cleanwater.gov/coastalresearch/
Related Links: http://www.cleanwater.gov/links.html

b) National Water Quality Monitoring Council (Established in 1997 to implement a voluntary, integrated, nationwide strategy to improve water resource monitoring, assessment, and reporting. It is the successor to the Intergovernmental Task Force on Monitoring Water Quality (ITFM, 1992-1995). The Council reports to the Advisory Committee on Water Information, convened by the Department of the Interior under the Federal Advisory Committee Act. The Council is comprised of a balanced membership of 35 representatives, from Federal, interstate, state, tribal, local and municipal governments, watershed groups, universities, and the private sector, including volunteer monitoring. The Council provides the major national forum for the coordination of consistent and scientifically defensible federal and state water quality monitoring methods and strategies. No CA representation!)

Home Page: http://water.usgs.gov/wicp/acwi/monitoring/
National Methods and Data Comparability Board:
http://wi.water.usgs.gov/pmethods/
NWQMC CONFERENCE proceedings 2000: Monitoring for the Millennium:
http://204.87.241.11/2000proceeding/table_of_contents.htm
Monitoring Dance Fundamentals: No Partner, Can't Dance
http://204.87.241.11/2000proceeding/papers/pap_long.pdf
NWQMC CONFERENCE proceedings 1998:
http://204.87.241.11/98proceedings/Contents.htm
Water Quality Assessment Program in the Indian River Lagoon, Florida: II. Redesigning a Monitoring Network:
http://nwqmc.site.net/98proceedings/Papers/11-SIQU.html
Key Water Quality Monitoring Questions:Designing Monitoring and Assessment Systems to Meet Multiple Objectives:
http://204.87.241.11/98proceedings/Papers/17-HARR.html
Integrating Ambient and Compliance Monitoring in the Kennebec River Basin, Maine:
http://204.87.241.11/98proceedings/Papers/53-ROBI.html

B. State Agencies

1. California Resources Agency: http://ceres.ca.gov/cra/

2. Department of Water Resources (DWR)

Home Page: http://www.water.ca.gov/
DWR Bulletin 170-98, published May, 2000: List and descriptions of DWR Publications through 1998:
http://rubicon.water.ca.gov/17098pdf.pdf
DWR Bulletin 160-98: California Water Plan:
http://rubicon.water.ca.gov/b160index.html
Sacramento-San Joaquin Delta Atlas (July, 1995, revision):
http://rubicon.water.ca.gov/delta_atlas.fdr/datp.html
DWR California Data Exchange Center (CDEC):
http://cdec.water.ca.gov/
DWR Central District: Surface and Groundwater Data Section's Delta Monitoring Home Page:
http://wwwdpla.water.ca.gov/cd/delmon/index.html
California Irrigation Management Information System (CIMIS):
http://wwwdpla.water.ca.gov/cgi-bin/cimis/cimis/hq/main.pl
DWR Office of State Water Project Planning: wwwdop.water.ca.gov
DWR Delta Modeling Section: wwwdelmod.water.ca.gov

3. Department of Fish and Game, Central Valley Bay-Delta Branch

Home Page: http://www.delta.dfg.ca.gov/
Bay-Delta Monitoring:
http://www.delta.dfg.ca.gov/baydelta/monitoring/monitor.html

4. State Water Resources Control Board (SWRCB)

General Bay-Delta information:
http://www.waterrights.ca.gov/baydelta/
Water Right Decision D-1641 (2000):
http://www.waterrights.ca.gov/baydelta/d1641.html
Water Quality Control Plan for the San Francisco Bay/Sacramento San Joaquin Delta Estuary (May 1995):
http://www.waterrights.ca.gov/baydelta/html/1995_Plan.html
Other recent water right decisions, orders, and resolutions:
http://www.waterrights.ca.gov/Decisions/default.html
Important water laws and regulations (e.g. CA water Code, Porter-Cologne Water Quality Control Act, etc.):
http://www.swrcb.ca.gov/water_laws/index.html

C. Federal Agencies

1. Federal Environmental Protection Agency (EPA)

Home Page: http://www.epa.gov/

EPA water programs:
http://www.epa.gov/epahome/waterpgram.htm
National Estuary Program: http://www.epa.gov/nep/
San Francisco Estuary Project:
http://www.epa.gov/owow/estuaries/sfe.htm
First-Ever Water Quality Criteria For Nutrients:
http://www.epa.gov/epahome/headline2_010201.htm
Environmental Monitoring and Assessment Program
Home Page: http://www.epa.gov/emap/
Western Environmental Monitoring and Assessment Program, Region 9: http://www.epa.gov/region09/water/wemap/
EMAP Information Management:
http://www.epa.gov/emap/html/infomgmt.html

2. United States Bureau of Reclamation (USBR), Mid-Pacific Region

Home Page: http://www.mp.usbr.gov/
Central Valley Water Operations: http://www.mp.usbr.gov/cvo/

3. United States Department of Agriculture (USDA)

Home Page: http://www.usda.gov/
National Agricultural Library Water Quality Information Center:
http://www.nal.usda.gov/wqic/

4. United States Geological Survey (USGS)

Water Resources: http://water.usgs.gov/
National Water Quality Assessment Program (NAWQA):
http://water.usgs.gov/nawqa/
Water Resources in California: http://water.wr.usgs.gov/index.html
Access San Francisco Bay and Delta:
http://sfbay.wr.usgs.gov/access/access_sfb.html
Water Quality of San Francisco Bay (with database access):
http://sfbay.wr.usgs.gov/access/wqdata/
San Francisco Bay Area Regional Database (BARD) and library:
http://bard.wr.usgs.gov/
Other Bay-Delta Programs: http://water.wr.usgs.gov/program/#sfb
Sacramento River Basin National Water Quality Assessment Program: http://water.wr.usgs.gov/sac_nawqa/
San Joaquin - Tulare Basins National Water Quality Assessment Program: http://water.wr.usgs.gov/sanj_nawqa/
USGS Publications on San Francisco Bay, Updated May 2000:
http://sfbay.wr.usgs.gov/access/SFB_Biblio.html

5. United States Fish and Wildlife Service (USFWS)

Home Page: http://www.fws.gov/
National Wetlands Inventory Center: http://www.nwi.fws.gov/

6. United States Army Corps of Engineers:

   Home Page: http://www.usace.army.mil/
   Sacramento District: http://www.spk.usace.army.mil/
   San Francisco District: http://www.spn.usace.army.mil/
   Water Control Data System: http://www.spk-wc.usace.army.mil/
   Flood Plain Management (to reduce, minimize or eliminate flood hazards): http://www.spk.usace.army.mil/what/envir/fldpln/fldpln.html
   Technical Library: http://www.spn.usace.army.mil/library.html
   San Pablo Bay: http://www.spn.usace.army.mil/projects/sanpablobaywatershed.html

7. National Oceanic and Atmospheric Administration (NOAA)

   Home Page: http://www.noaa.gov/
   National Estuarine Research Reserve System: http://www.ocrm.nos.noaa.gov/nerr/welcome.html
   The National Estuarine Research Reserve System-Wide Monitoring Program (SWMP): http://www.ocrm.nos.noaa.gov/nerr/monsys.html

D. Related organizations

1. San Francisco Estuary Institute (SFEI)

   Home Page: http://www.sfei.org/
   Regional Monitoring Program (RMP): http://www.sfei.org/rmp/index.html
   Bay-Delta Modeling Forum: http://www.sfei.org/modelingforum/index2.html

2. Natural Heritage Institute (NHI - a non-profit natural resources law and consulting firm based in San Francisco)

   Home Page: http://www.n-h-i.org/

3. The Bay Institute of San Francisco (TBI - a non-profit research, education and advocacy organization)

   Home Page: http://www.bay.org/

4. Water Keeper Alliance:

Home Page: http://www.keeper.org/
Bay and Delta Keeper: http://www.sfbaykeeper.org/index.html

5. National Fish and Wildlife Foundation:

Home Page: http://www.nfwf.org
Nature Restoration Trust (seeks to fund restoration projects in northern and central California): http://www.nfwf.org/programs.htm

E. Related Programs

1. Sacramento River Watershed Program (SRWP)

Home Page: http://www.csuchico.edu/watershed/srwp/index.html
Monitoring Subcommittee:
http://www.csuchico.edu/watershed/srwp/submonitor.html

2. NSF Long Term Ecological Research (LTER) Network:

Home Page: http://lternet.edu/

3. The Chesapeake Bay Program

Home Page: http://www.chesapeakebay.net/
Water Quality: http://www.chesapeakebay.net/wquality.htm

4. The Galveston Bay Estuary Program

Home Page: http://gbep.tamug.tamu.edu/
Five-year Review of the Galveston Bay Plan:
http://gbep.tamug.tamu.edu/hilite.html

5. Puget Sound, WA:

Water Quality in the Puget Sound Basin:
http://wa.water.usgs.gov/ps.nawqa.html
Puget Sound Water Quality Action Team:
http://www.wa.gov/puget_sound/
Puget Sound Ambient Monitoring Program:
http://www.wa.gov/puget_sound/Programs/PSAMP.htm
Puget Sound Monitoring Protocols:
http://www.wa.gov/puget_sound/Publications/protocols/protocol.html

The Puget Sound Ambient Monitoring Program–Case Study of Coordinated Regional/State Monitoring: http://204.87.241.11/98proceedings/Papers/52-REDM.html

6. Florida:

Surface Water Ambient Monitoring Program (SWAMP): http://www.dep.state.fl.us/water/division/monitoring/swamp.htm
FIU Southeast Environmental Research Center (SERC) Water Quality Monitoring Network: http://serc.fiu.edu/wqmnetwork/
Florida Coastal Everglades LTER website: http://www.fiu.edu/~ecosyst/lter/home.html

F. Information systems

1. UC Davis Information Center for the Environment (ICE):

Home Page: http://ice.ucdavis.edu/
ICE provides many interesting services and links, *e.g.:*
San Francisco Bay-Delta Meta-Data Index (prototype!): http://ice.ucdavis.edu/san_francisco_bay_delta_meta_data_index/
Water quality standards data base: http://www.ice.ucdavis.edu/wqsid/ and a
Geospatial waterbody system database: http://www.ice.ucdavis.edu/geowbs/

2. The California Environmental Evaluation System (CERES)

General Information: http://ceres.ca.gov/
CERES Water Law and Policy: http://ceres.ca.gov/env_law/water_law/index.html
Environmental Information about the Bay-Delta: http://ceres.ca.gov/geo_area/bioregions/Bay_Delta/

3. UC Berkeley Research Program in Environmental Planning and Geographic Information Systems (REGIS)

Home Page: http://www.regis.berkeley.edu/
San Francisco Bay Area Demonstration GIS Project (BAGIS - project to develop a set of geographic information and geoprocessing tools to allow on-line access to baseline map and imagery data for the San Francisco Bay and near coastal areas): http://www.regis.berkeley.edu/bagis/

4. California Water Clearinghouse, bay-delta.org (provides information regarding the estuary and its importance to California)

   Home Page: http://www.bay-delta.org/

G. Professional Organizations

Estuarine Research Federation (ERF): http://www.erf.org/
Estuarine And Coastal Sciences Association (ECSA): http://www.ecsa.ac.uk/
American Society for Limnology and Oceanography (ASLO): http://www.aslo.org/
American Geophysical Union (AGU): http://www.agu.org/
American Fisheries Society (AFS): http://www.fisheries.org/
The Ecological Society of America (ESA): http://esa.sdsc.edu/
Society of Wetland Scientists: http://www.sws.org/
North American Benthological Society (NABS): http://www.benthos.org/index.htm