

APPENDIX 3:**REFERENCES**

Relevant to the IEP EMP

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

Contents:

I. BOOKS	68
A. General reference	68
B. Contaminants	68
II. REPORTS AND BULLETINS	68
A. General reference	68
B. Physical Environment	69
C. Contaminants	69
D. Water Quality	70
E. General Ecology	71
F. Phytoplankton	71
G. Zooplankton	72
H. Benthos	72
I. Fish	73
J. Introduced and Nuisance Species	73
III. JOURNAL ARTICLES AND BOOK CHAPTERS	73
A. General References	73

B. Physical and Chemical Environment	74
C. Water Quality	81
E. General Ecology	83
F. Microbial Plankton	83
G. Phytoplankton	84
H. Zooplankton	85
I. Benthos	86
J. Fish	87
K. Introduced and Nuisance Species	93
IV. ONLINE RESOURCES	95
A. Interagency Programs	95
B. State Agencies	97
C. Federal Agencies	98
D. Related organizations	100
E. Related Programs	101
F. Information systems	102
G. Professional Organizations	103

References marked with an asterix (*): use or refer to IEP EMP data

I. BOOKS

A. General reference

Department of Water Resources. 1995. Sacramento-San Joaquin Delta Atlas. Sacramento Ca. (s. also http://rubicon.water.ca.gov/delta_atlas.fdr/datp.html)

Department of Water Resources. 1998. Compendium of Water Quality Investigations in the Sacramento River Watershed, Sacramento-San Joaquin Delta, and San Francisco Bay. Sacramento, Ca. (s. also http://ice.ucdavis.edu/san_francisco_bay_delta_meta_data_index/section_1.html)

Conomos, T. J. [ed.]. 1979. San Francisco Bay: the urbanized estuary. Pacific Division, American Association for the Advancement of Science.

* Hollibaugh, J. T. [ed.]. 1996. San Francisco Bay: The ecosystem. Further investigations into the natural history of San Francisco Bay and delta with reference to the influence of man. American Association for the Advancement of Science.

Water Education Foundation. 1995. Layperson's Guide to the Delta. Sacramento Ca. ((916) 444-6240)

B. Contaminants

Phillips, D.J.H. 1987. Toxic contaminants in the San Francisco Bay-Delta and their possible biological effects. Aquatic Habitat Institute, San Francisco Bay-Delta. Richmond, CA. 413 pp.

Moyle, P. B. 1976. Inland fishes of California. University of California Press.

II. REPORTS AND BULLETINS

A. General reference

California Department of Water Resources. 1994. Bulletin 160-93. California Water Plan Update. Volumes 1 and 2.

P. Coulston, compiler. 1998. Recommendations Regarding Comprehensive Aquatic Monitoring in the Sacramento-San Joaquin Estuary and its Tributaries. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 58

State Water Resources Control Board. 1995. Water Quality Control Plan for the San Francisco Bay / Sacramento-San Joaquin Delta Estuary. State Water Resources Control Board 95-1WR, 45pp.

Sampling Manual for Environmental Measurement Projects, 1994. Department of Water Resources, Division of Local Assistance

State Water Resources Control Board. 1970. An Environmental Monitoring Program for the Sacramento-San Joaquin Delta and Suisun Bay. SWRCB Publication No. 40

B. Physical Environment

* Burau, J.R., S.G. Monismith, M.T. Stacey, and D.H. Schoellhamer, in press, On hydrodynamics and accumulation mechanisms in North Bay: Results from the 'Entrapment Zone Studies', IEP Technical report.

S. Smith, James T. Hollibaugh. 2000. Water, Salt, and Nutrient Exchanges in San Francisco Bay. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 66

C. Contaminants

Bailey, H.C., S. Clark, J. Davis, and L. Wiborg. 1995. The Effects of Toxic Contaminants in Waters of the San Francisco Bay and Delta, Final Report prepared for Bay/Delta Oversight Council, May 1995.

G. Cutter 1988. Selenium Behavior in the Sacramento-San Joaquin Estuary, California. IESP (Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary) Technical Report 18

Davis, J.A., A.J. Gunter, B.J. Richardson, and J.M. O'Connor. 1991. Status and trends report on pollutants in the San Francisco Estuary. San Francisco Estuary Project. Oakland, CA. 240 pp., & app.

- Fox, J.P. and E. Archibald, Aquatic Toxicity and Pesticides in Surface Waters of the Central Valley, Final Report Prepared for CUWA, September 15, 1997.
- Long, E., D. MacDonald, M.B. Matta, K. Van Ness, M. Buchman, and H. Harris. 1988. Status and trends in concentrations of contaminants and measures of biological stress in San Francisco Bay. National Oceanic and Atmospheric Administration (U.S.), National Ocean Service, Office of Ocean Resources Conservation and Assessment, Technical Memorandum 41: 268 pp.
- Novartis Crop Protection, Inc. 1997. An ecological Risk Assessment of diazinon in the Sacramento and San Joaquin River Basins. Technical Report: 11/97 Environmental and Public Affairs Department. Greensboro, NC 27419-8300.
- San Francisco Estuary Institute, 1997. 1996 Annual Report of the Regional Monitoring Program for Trace Substances. San Francisco Estuary Institute, Richmond, CA.
- I. Werner, K.F. Kline, J.T. Hollibaugh. 1996. Stress Proteins in Amphipods as Biomarkers of Sediment Pollution in San Francisco Bay. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 48

D. Water Quality

- * P.L. Herrgesell, R.G. Schaffter, C.J. Larsen. 1983. Effects of Freshwater Outflow on San Francisco Bay Biological Resources. IESP (Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary) Technical Report 7
- * Interagency Ecological Program Staff. 1992-94. Proposed Baseline Monitoring Program for the San Francisco Estuary . With four technical appendices (on the Program Evaluation Process, Sampling frequency and Location, Benthic Monitoring, and Zooplankton Monitoring).
- * Lehman, P. W. 1996. Water quality conditions in the Sacramento-San Joaquin Delta, 1970-1993. Environmental Services Office, Department of Water Resources, 3251 S Street, Sacramento CA 95818.
- * SWRCB. 1991. Executive summary, water quality control plan for salinity, San Francisco Bay/Sacramento-San Joaquin Delta

Estuary. State Water Resources Control Board. Sacramento, CA. 19 pp., & app.

E. General Ecology

- Emmett, R.L., S.A. Hinton, S.L. Stone and M.E. Monaco. 1991. Distribution and abundance of fishes and invertebrates in the west coast estuaries. Volume II: Species life history summaries. NOAA/NOS Strategic Environmental Assessments Division, Rockville, MD ELMR Rep. No. 8, 29 pp.
- * Estuarine Ecology Team. 1997. An Assessment of the Likely Mechanisms Underlying the "Fish-X2" Relationships. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 52: 24 pp.
- * Estuarine Ecology Team. 1995. Working Conceptual Model for the Food Web of the San Francisco Bay/Delta Estuary. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 42: 30 pp.
- * Herbold, B., A.D. Jassby, and P.B. Moyle. 1992. Status and trends report on aquatic resources in the San Francisco estuary. San Francisco Estuary Project, U.S. Environmental Protection Agency, Oakland, California.
- * Kimmerer, W. (ed.) 1998. Report of the 1994 Entrapment Zone Study. IEP Technical Report 56.
- Leet, W.S, C.M. Dewees, and C.W. Haugen. 1992. California's Living Marine Resources and Their Utilization. California Sea Grant Publication UCSGEP-92-12, 257 pp.
- * Orsi, J. editor. 1999. Report on the 1980-1995 Fish, Shrimp, and Crab Sampling in the San Francisco Estuary. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 63
- Skinner, J.E. 1962. A Historical Review of the Fish and Wildlife Resources of the San Francisco Bay Area. CDFG Water Projects Branch Report Number 1, June 1962.

F. Phytoplankton

- * Lehman, P. 1998. Phytoplankton Species Composition, Size Structure, and Biomass and Their Possible Effect on Copepod Food

Availability in the Low Salinity Zone of the San Francisco Bay Estuary. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 62

- * Phytoplankton Task Force Biological Committee 1990. Evaluation of Selected Biological Factors That May Have Contributed to the Drought and Post-Drought Decline in Chlorophyll a Concentration. June 1984 Technical Summary of Findings of the Phytoplankton Task Force Biological Committee. IESP (Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary) Technical Report 22.

G. Zooplankton

- * Kelly, D.W. 1966. Ecological studies of the Sacramento-San Joaquin Estuary, Part I. Zooplankton, zoobenthos, and fishes of the San Pablo and Suisun bays, zooplankton, and zoobenthos of the Delta. CDFG Fish Bulletin 133, 133 pp.
- * Obrebski, S., J.J. Orsi, W. Kimmerer. 1992. Long Term Trends in Zooplankton Distribution and Abundance in the Sacramento-San Joaquin Estuary. Interagency Ecological Study for the Sacramento-San Joaquin Estuary, Technical Report 32. 42pp.
- * Orsi, J. 1995. Food Habits of Several Abundant Zooplankton Species in the Sacramento-San Joaquin Estuary. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 41

H. Benthos

- * Hymanson, Z., D. Mayer, and J. Steinbeck. 1994. Long-term trends in benthos abundance and persistence in the upper Sacramento-San Joaquin Estuary. Summary report: 1980-1990. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 38: 66 pp.
 - * Markmann, C. 1986. Benthic monitoring in the Sacramento-San Joaquin Delta: results from 1975 through 1981. IESP (Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary) Technical Report 24: 51 pp., & app.
- Nichols, F.H., and M.M. Pamatmat. 1988. The ecology of the soft-bottom benthos of San Francisco Bay: a community profile. U.S. Fish and Wildlife Biological Report 85(7.19): 73 pp.

Wild, P.W. and R.N. Tasto. 1983. Life history, environment, and mariculture studies of the Dungeness crab, *Cancer magister*, with emphasis on the Central California fishery resource. CDFG Fish Bulletin 172, 352 pp.

I. Fish

Many IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Reports, s.
<http://www.iep.ca.gov/report/reports.html>

CDFG (California Department of Fish and Game). 1987. Factors affecting striped bass abundance in the Sacramento-San Joaquin River system. IESP (Interagency Ecological Studies Program for the Sacramento-San Joaquin Estuary) Technical Report 33: 149 pp., & app.

Wang, J. C. S. (1986). Fishes of the Sacramento-San Joaquin estuary and adjacent waters, California: A guide to the early life histories. Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary. Technical Report No. 9

J. Introduced and Nuisance Species

* Cohen, A.N. and J.T. Carleton. 1995. Nonindigenous Aquatic Species in a United States Estuary: A case Study of the Biological Invasions of the San Francisco Bay Delta. A report for the United States Fish and Wildlife Service, Washington D.C.

J. T. Hollibaugh, I. Werner 1991. *Potamocorbula amurensis*: Comparison of Clearance Rates and Assimilation Efficiencies for Phytoplankton and Bacterioplankton. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 29

Z. Hymanson. 1991. Results of a Spatially Intensive Survey for *Potamocorbula amurensis* in the Upper San Francisco Bay Estuary. IEP (Interagency Ecological Program for the Sacramento-San Joaquin Estuary) Technical Report 30

III. JOURNAL ARTICLES AND BOOK CHAPTERS

A. General References

- Cloern, J E; Nichols, F H. Time scales and mechanisms of estuarine variability, a synthesis from studies of San Francisco Bay [California, USA]. *Hydrobiologia*, v.129, n.1, 1985:229-237
- Conomos, T J; Smith, R E; Gartner, J W. Environmental setting of San Francisco Bay [California, USA]. *Hydrobiologia*, v.129, n.1, 1985:1-12
- Nichols, F H; Cloern, J E; Luoma, S N; Peterson, D H. The Modification of an Estuary. *Science (Washington D C)*, v.231, n.4738, 1986:567-573

B. Physical and Chemical Environment

1. Physical Conditions:

- Cifuentes LA; Schemel LE; Sharp Jh. Qualitative and numerical analyses of the effects of river inflow variations on mixing diagrams in estuaries. *Estuarine Coastal And Shelf Science*, Apr, 1990, V30(N4):411-427.
- Koseff, Jeffrey R.; Holen, Jacqueline K.; Monismith, Stephen G.; Cloern, James E.. Coupled effects of vertical mixing and benthic grazing on phytoplankton populations in shallow, turbid estuaries. In: *Journal of Marine Research* 1993. 51 (4): 843-868.
- Paulsen, Susan C.; List, E. John. A study of transport and mixing in natural waters using ICP-MS: Water-particle interactions. In: *Water Air and Soil Pollution* 1997. 99 (1-4): 149-156.
- Smith, L.H. 1987. A review of circulation and mixing studies of San Francisco Bay, California. U.S. Geological Service Circular 1015: 38 pp.
- Uncles, R. J.; Peterson, D. H.. A computer model of long-term salinity in San Francisco Bay: Sensitivity to mixing and inflows. In: *Environment International* 1995. 21 (5): 647-656.
- van Geen, A.; Valette-Silver, N. J.; Luoma, S. N.; Fuller, C. C.; Baskaran, M.; Tera, F.; Klein, J.. Constraints on the sedimentation history of San Francisco Bay from ¹⁴C and ¹⁰Be. In: *Marine Chemistry* Feb., 1999. 64 (1-2): 29-38.

2. Climate

Cayan, D. R. and D. H. Peterson. 1989. The influence of North Pacific atmospheric circulation on streamflow in the west. Pages 375-397 In D.H. Peterson, ed., Aspects of Climate Variability in the Pacific and Western Americas. Geophys. Monogr. 55. Amer. Geophys. Union, Washington, C.

Earle, Christopher J.. Asynchronous droughts in California streamflow as reconstructed from tree rings. In: Quaternary Research (Orlando) 1993. 39 (3): 290-299.

Logan, S H. Global Warming and the Sacramento-San Joaquin Delta California Usa California Agriculture, v.44, n.3, 1990:16-18

Peterson, C.H., D. Cayan, J. DiLeo, M. Noble, and M. Dettinger. 1995. The role of climate in estuarine variability. American Scientist 83:58-67.

3. Contaminants:

Bailey, H. C.; Alexander, C.; Digiorgio, C.; Miller, M.; Doroshov, S. I.; Hinton, D. E.. The effect of agricultural discharge on striped bass (*Morone saxatilis*) in California's Sacramento-San Joaquin drainage. In: Ecotoxicology 1994. 3 (2): 123-142.

Brown, Cynthia L.; Luoma, Samuel N.. Use of the euryhaline bivalve *Potamocorbula amurensis* as a biosentinel species to assess trace metal contamination in San Francisco Bay. In: Marine Ecology Progress Series 1995. 124 (1-3): 129-142.

Brown, L. R.. Concentrations of chlorinated organic compounds in biota and bed sediment in streams of the San Joaquin Valley, California. In: Archives of Environmental Contamination and Toxicology Nov., 1997. 33 (4): 357-368.

Brown, L.R. 1996. Aquatic biology of the San Joaquin-Tulare Basins, California: analysis of available data through 1992. U.S. Geological Survey Water-supply Paper 2471, Denver, CO.

Bumgardner, Jim; Malone, Christopher; Walker, Larry F.; Shanks, Robert F.. Use of Monte Carlo techniques to assess POTW compliance with EPA water quality criteria for heavy metals. In: Water Environment Research 1993. 65 (5): 674-678.

Cain, Daniel J.; Carter, James L.; Fend, Steven V.; Luoma, Samuel N.; Alpers, Charles N.; Taylor, Howard E.. Metal exposure in a benthic macroinvertebrate, *Hydropsyche californica*, related to mine

- drainage in the Sacramento River. In: Canadian Journal of Fisheries and Aquatic Sciences Feb., 2000. 57 (2): 380-390.
- Cashman, J R; Maltby, D A; Nishioka, R S; Bern, H A; Gee, S J; Hammock, B D. Chemical contamination and the annual summer die-off of striped bass (*Morone saxatilis*) in the Sacramento-San Joaquin Delta. Chemical Research in Toxicology, v.5, n.1, 1992:100-105
- Cutter, G A. The estuarine behavior of selenium in San Francisco Bay [California, USA]. Estuarine Coastal and Shelf Science, v.28, n.1, 1989:13-34
- Davis, J.A., A.J. Gunther and J.M. O'Connor. 1992. Priority pollutant loads from effluent discharges to the San Francisco Estuary. Water Environment Research. 64:134-140.
- Domagalski, Joseph. Results of a prototype surface water network design for pesticides developed for the San Joaquin River Basin, California. In: Journal of Hydrology (Amsterdam) 1997. 192 (1-4): 33-50.
- Dunlap, Charles E.; Bouse, Robin; Flegal, A. Russell. Past leaded gasoline emissions as a nonpoint source tracer in riparian systems: A study of river inputs to San Francisco Bay. In: Environmental Science & Technology April 1, 2000. 34 (7): 1211-1215.
- Domagalski, Joseph L.; Dubrovsky, Neil M.; Kratzer, Charles R.. Pesticides in the San Joaquin River, California: Inputs from the dormant sprayed orchards. In: Journal of Environmental Quality 1997. 26 (2): 454-465.
- Domagalski, J.. Occurrence of dicofol in the San Joaquin River, California. In: Bulletin of Environmental Contamination and Toxicology 1996. 57 (2): 284-291.
- Fuller, C. C.; van Geen, A.; Baskaran, M.; Anima, R.. Sediment chronology in San Francisco Bay, California, defined by ²¹⁰Pb, ²³⁴Th, ¹³⁷Cs, and ^{239,240}Pu. In: Marine Chemistry Feb., 1999. 64 (1-2): 7-27.
- Gates, Virginia L.; Tjeerdema, Ronald S.. Disposition and biotransformation of pentachlorophenol in the striped bass (*Morone saxatilis*). In: Pesticide Biochemistry and Physiology 1993. 46 (2): 161-170.

- Hamilton, S J; Wiedmeyer, R H. Concentrations of boron, molybdenum, and selenium in chinook salmon. Transactions of the American Fisheries Society, v.119, n.3, 1990:500-510
- Hansen, Lisa D.; Maier, Kurt J.; Knight, Allen W.. The effect of sulfate on the bioconcentration of selenate by *Chironomus decorus* and *Daphnia magna*. In: Archives of Environmental Contamination and Toxicology 1993. 25 (1): 72-78.
- Hinton, David E.. Multiple stressors in the Sacramento River watershed. In Braunbeck, T. Hinton, D. E. Streit, B., In: EXS (Basel); Fish ecotoxicology. Birkhaeuser Verlag, Cambridge, Massachusetts, 1998. 303-317.
- Hornberger, Michelle I.; Luoma, Samuel N.; van Geen, Alexander; Fuller, Christopher; Anima, Roberto. Historical trends of metals in the sediments of San Francisco Bay, California. In: Marine Chemistry Feb., 1999. 64 (1-2): 39-55.
- Hostettler, Frances D.; Pereira, Wilfred E.; Kvenvolden, Keith A.; van Geen, Alexander; Luoma, Samuel N.; Fuller, Christopher C.; Anima, Roberto. A record of hydrocarbon input to San Francisco Bay as traced by biomarker profiles in surface sediment and sediment cores. In: Marine Chemistry Feb., 1999. 64 (1-2): 115-127.
- Hostettler, F D; Rapp, J B; Kvenvolden, K A. Use of geochemical biomarkers in bottom sediment to track oil from a spill, San Francisco Bay, California. Marine Pollution Bulletin, v.24, n.1, 1992:15-20
- Ingersoll, C G; Dwyer, F J; May, T W. Toxicity of inorganic and organic selenium to *Daphnia magna* (Cladocera) and *Chironomus riparius* (Diptera). Environmental Toxicology and Chemistry, v.9, n.9, 1990:1171-1182
- Jarman, Walter M.; Johnson, Glenn W.; Bacon, Corinne E.; Davis, Jay A.; Risebrough, Robert W.; Ramer, Robert. Levels and patterns of polychlorinated biphenyls in water collected from the San Francisco Bay and Estuary, 1993-95. In: Fresenius' Journal of Analytical Chemistry 1997. 359 (3): 254-260.
- Johns, C; Luoma, S N; Elrod, V. Selenium accumulation in benthic bivalves and fine sediments of San Francisco Bay, the

- Sacramento-San Joaquin Delta [USA], and selected tributaries. *Estuarine Coastal and Shelf Science*, v.27, n.4, 1988:381-396
- Kuivila, Kathryn M.; Foe, Christopher G. Concentration, transport and biological effects of dormant spray pesticides in the San Francisco Estuary, California. In: *Environmental Toxicology and Chemistry* 1995. 14 (7): 1141-1150.
- Long, E.R., and R. Markel. 1992. An evaluation of the extent and magnitude of biological effects associated with chemical contaminants in San Francisco Bay, California. National Oceanic and Atmospheric Administration (U.S.), National Ocean Service, Office of Ocean Resources Conservation and Assessment, Technical Memorandum 64: 86 pp., & app.
- Losi, M. E.; Frankenberger, W. T.,. Bioremediation of selenium in soil and water. In: *Soil Science* 1997. 162 (10): 692-702.
- Luoma, Samuel N.; Van Geen, Alexander; Lee, Byeong-Gweon; Cloern, James E.. Metal uptake by phytoplankton during a bloom in South San Francisco Bay: Implications for metal cycling in estuaries. In: *Limnology and Oceanography* July, 1998. 43 (5): 1007-1016.
- Luoma, S.N., Dagovitz, R., and Axtmann, E. 1990. Temporally intensive study of trace metals in sediments and bivalves from a large river-estuarine system: Suisun Bay/Delta in San Francisco Bay. *The Science of the Total Environment* 97/98:685-712.
- Luoma, S. and D.J.H. Phillips 1988. Distribution, variability, and impacts of trace elements in San Francisco Bay. *Marine Pollution Bulletin* 19:413-425.
- Macfarlane, R B; Benville, P E Jr. Primary and secondary stress responses of striped bass (*Morone saxatilis*) exposed to benzene. *Marine Biology* (Berlin), v.92, n.2, 1986:245-254
- Nakamoto, R J; Hassler, T J. Selenium and other trace elements in bluegills from agricultural return flows in the San Joaquin Valley, California. *Archives of Environmental Contamination and Toxicology*, v.22, n.1, 1992:88-98
- Nichols, F.H., Cloern, J.E., Luoma, S.N., and Peterson, D.H. 1986. The modification of an estuary. *Science* 231:567-573.

- Pereira, Wilfred E.; Hostettler, Frances D.; Luoma, Samuel N.; van Geen, Alexander; Fuller, Christopher C.; Anima, Roberto J..
Sedimentary record of anthropogenic and biogenic polycyclic aromatic hydrocarbons in San Francisco Bay, California. In: *Marine Chemistry* Feb., 1999. 64 (1-2): 99-113.
- Pereira, Wilfred E.; Domagalski, Joseph L.; Hostettler, Frances D.; Brown, Larry R.; Rapp, John B.. Occurrence and accumulation of pesticides and organic contaminants in river sediment, water and clam tissues from the San Joaquin River and tributaries, California. In: *Environmental Toxicology and Chemistry* 1996. 15 (2): 172-180.
- Pereira, Wilfred E.; Hostettler, Frances D.; Cashman, John R.; Nishioka, Richard S.. Occurrence and distribution of organochlorine compounds in sediment and livers of striped bass (*Morone saxatilis*) from the San Francisco Bay-Delta Estuary. In: *Marine Pollution Bulletin* 1994. 28 (7): 434-441.
- Petreas, M X; Wiesmuller, T; Palmer, F H; Winkler, J J; Stephens, R D.
Aquatic Life as Biomonitors of Dioxin-Furan and Coplanar Polychlorinated Biphenyl Contamination in the Sacramento-San Joaquin River Delta *Chemosphere*, v.25, n.4, 1992:621-631
- Phillips, D.J.H. and R.B. Spies. 1988. Chlorinated hydrocarbons in the SF Estuarine Ecosystem. *Marine Pollution Bulletin* 19:445-453.
- Presser, Theresa S.; Piper, David Z.. Mass balance approach to selenium cycling through the San Joaquin Valley: From source to River to Bay. In Frankenberg, W. T., Jr. Engberg, R. A., In: *Books in Soils, Plants, and the Environment; Environmental chemistry of selenium*. Marcel Dekker, Inc. ; Marcel Dekker, Inc. ; 270 Madison Avenue, New York, New York 10016, USA; Basel, Switzerland, 1998. 153-182.
- Presser, Theresa S.; Sylvester, Marc A.; Low, Walton H..
Bioaccumulation of selenium from natural geologic sources in western states and its potential consequences. In: *Environmental Management* 1994. 18 (3): 423-436.
- Presser, T S; Ohlendorf, H M. Biogeochemical Cycling of Selenium in the San Joaquin Valley California USA *Environmental Management*, v.11, n.6, 1987:804-822
- Ritson, Peter I.; Bouse, Robin M.; Flegal, A. Russell; Luoma, Samuel N..
Stable lead isotopic analyses of historic and contemporary

- lead contamination of San Francisco Bay estuary. In: Marine Chemistry Feb., 1999. 64 (1-2): 71-83.
- Saiki, Michael K.; Jennings, Mark R.; Brumbaugh, William G.. Boron, molybdenum, and selenium in aquatic food chains from the lower San Joaquin River and its tributaries, California. In: Archives of Environmental Contamination and Toxicology 1993. 24 (3): 307-319.
- Saiki, M K; Jennings, M R; May, T W. Selenium and Other Elements in Freshwater Fishes from the Irrigated San Joaquin Valley California Science of the Total Environment, v.126, n.1-2, 1992:109-137
- Saiki, M K; Jennings, M R. Toxicity of agricultural subsurface drainwater from the San Joaquin Valley, California, to juvenile chinook salmon and striped bass. Transactions of the American Fisheries Society, v.121, n.1, 1992:78-93
- Saiki, M K; Palawski, D U. Selenium and other elements in juvenile striped bass from the San Joaquin Valley and San Francisco Estuary, California [USA]. Archives of Environmental Contamination and Toxicology, v.19, n.5, 1990:717-730
- Saiki, M K; May, T W. Trace element residues in bluegills and common carp from the lower San Joaquin River, California [USA] and its tributaries. Science of the Total Environment, v.74, 1988:199-218
- Saiki, M K; Schmitt, C J. Organochlorine chemical residues in bluegills [Lepomis macrochirus] and common carp [Cyprinus carpio] from the irrigated San Joaquin Valley Floor, California [USA]. Archives of Environmental Contamination and Toxicology, v.15, n.4, 1986:357-366
- Spies, R.B. and D.W. Rice, Jr. 1988. The effects of organic contaminants on reproduction of starry flounder, *Platichthys stellatus* (Pallas) in San Francisco Bay. Part II. Reproductive success of fish captured in San Francisco Bay and spawned in the laboratory. Marine Biology 98, 191-202.
- Spies, R.B., D.W. Rice, Jr. and J.W. Felton. 1988. The effects of organic contaminants on reproduction of starry flounder, *Platichthys stellatus* (Pallas) in San Francisco Bay. Part I. Hepatic contamination and mixed-function oxidase (MFO) activity during the reproductive season. Marine Biology 98, 181-189.

- Steding, Douglas J.; Dunlap, Charles E.; Flegal, A. Russell. New isotopic evidence for chronic lead contamination in the San Francisco Bay estuary system: Implications for the persistence of past industrial lead emissions in the biosphere. In: Proceedings of the National Academy of Sciences of the United States of America October 10, 2000. 97 (21): 11181-11186.
- Thompson, B.; Anderson, B.; Hunt, J.; Taberski, K.; Phillips, B.. Relationships between sediment contamination and toxicity in San Francisco Bay. In: Marine Environmental Research Oct.-Dec., 1999. 48 (4-5): 285-309.
- Venkatesan, M. I.; de Leon, R. P.; van Geen, A.; Luoma, S. N.. Chlorinated hydrocarbon pesticides and polychlorinated biphenyls in sediment cores from San Francisco Bay. In: Marine Chemistry Feb., 1999. 64 (1-2): 85-97.
- Werner, Ingeborg; Deanovic, Linda A.; Connor, Valerie; de Vlaming, Victor; Bailey, Howard C.; Hinton, David E.. Insecticide-caused toxicity to *Ceriodaphnia dubia* (Cladocera) in the Sacramento-San Joaquin River Delta, California, USA. In: Environmental Toxicology and Chemistry Jan., 2000. 19 (1): 215-227.

C. Water Quality

- Cloern, J E; Powell, T M; Huzzey, L M. Spatial and temporal variability in South San Francisco Bay [California] (USA): II. Temporal changes in salinity, suspended sediments, and phytoplankton biomass and productivity over tidal time scales. *Estuarine Coastal and Shelf Science*, v.28, n.6, 1989:599-614
- Cloern, J. E. and F. H. Nichols. 1985. Temporal dynamics of an estuary: San Francisco Bay. *Hydrobiologia* Vol. 129
- Colt, J. Seasonal changes in dissolved-gas supersaturation in the Sacramento River [California, USA] and possible effects on striped bass [*Morone saxatilis*]. *Transactions of the American Fisheries Society*, v.113, n.5, 1984:655-665
- * Hager SW; Schemel LE. Sources of nitrogen and phosphorus to northern San-Francisco Bay. *Estuaries*, Mar, 1992, V15(N1):40-52.
- * Kimmerer, W. J.; Smith, S. V.; Hollibaugh, J. T.. A simple heuristic model of nutrient cycling in an estuary. In: *Estuarine Coastal and Shelf Science* 1993. 37 (2): 145-159.

Kuwabara, J S; Chang, C C Y; Cloern, J E; Fries, T L; Davis, J A; Luoma, S N. Trace metal associations in the water column of South San Francisco Bay, California [USA]. *Estuarine Coastal and Shelf Science*, v.28, n.3, 1989:307-326

Mongan, T R; Miller, B J. Water Quality and Water Management Sacramento-San Joaquin River System in Becker, C. D. and D. A. Neitzel (Ed.). *Water quality in North American river systems*; 117TH Annual Meeting Of The American Fisheries Society, Winston-Salem, North Carolina, USA, September 1987. Xiii+304p. Battelle Press: Columbus, Ohio, Usa. Illus. Maps. Paper. ISBN 0-935470-50-6 1992:85-115

Powell, T M; Cloern, J E; Huzzey, L M. Spatial and temporal variability in South San Francisco Bay [California] (USA): I. Horizontal distributions of salinity, suspended sediments, and phytoplankton biomass and productivity. *Estuarine Coastal and Shelf Science*, v.28, n.6, 1989:583-598

SWRCB. 1991. Executive summary, water quality control plan for salinity, San Francisco Bay/Sacramento-San Joaquin Delta Estuary. State Water Resources Control Board. Sacramento, CA. 19 pp., & app.

D. Organic Matter

Canuel, Elizabeth A.; Cloern, James E.; Ringelberg, David B.; Guckert, James B.; Rau, Greg H.. Molecular and isotopic tracers used to examine sources of organic matter and its incorporation into the food webs of San Francisco Bay. In: *Limnology and Oceanography* 1995. 40 (1): 67-81.

Hollibaugh, J. T.. Relationship between thymidine metabolism, bacterioplankton community metabolic capabilities, and sources of organic matter. In: *Microbial Ecology* 1994. 28 (2): 117-131.

* Jassby, A. D.; Cloern, J. E.. 2000. Organic matter sources and rehabilitation of the Sacramento-San Joaquin Delta (California, USA). *Aquatic Conservation* 10 (5): 323-352.

* Jassby, A. D., J. E. Cloern, and T. M. Powell. 1993. Organic Carbon Sources and Sinks in San-Francisco Bay -Variability Induced by River Flow. *Mar. Ecol. Progr. Ser.* 95:39-54.

Murrell, M. C.; Hollibaugh, J. T.. Distribution and composition of dissolved and particulate organic carbon in northern San Francisco Bay during low flow conditions. In: *Estuarine Coastal and Shelf Science* July, 2000. 51(1): 75-90.

E. General Ecology

Caffrey, Jane M.; Cloern, James E.; Grenz, Christian. Changes in production and respiration during a spring phytoplankton bloom in San Francisco Bay, California, USA: Implications for net ecosystem metabolism. In: *Marine Ecology Progress Series* Oct. 22, 1998. 172 (0): 1-12.

* Herbold, B., and P.B. Moyle. 1989. The ecology of the Sacramento-San Joaquin Delta: a community profile. U.S. Fish and Wildlife Biological Report 85(7.22): 106 pp.

Isola, C. R.; Colwell, M. A.; Taft, O. W.; Safran, R. J.. Interspecific differences in habitat use of shorebirds and waterfowl foraging in managed wetlands of California's San Joaquin Valley. In: *Waterbirds* 2000. 23 (2): 196-203.

Jassby, A. D.; Cole, B. E.; Cloern, J. E.. The design of sampling transects for characterizing water quality in estuaries. In: *Estuarine Coastal and Shelf Science* 1997. 45 (3): 285-302.

Jassby, A. D., W. J. Kimmerer, S. G. Monismith, C. Armor, J. E. Cloern, T. M. Powell, J. R. Schubel, and T. J. Vendlinski. 1995. Isohaline position as a habitat indicator for estuarine populations. *Ecol. Appl.* 5: 272-289.

F. Microbial Plankton

Hollibaugh, J T; Wong, P S. Ethanol-Extractable Substrate Pools and the Incorporation of Thymidine L Leucine and Other Substrates by Bacterioplankton *Canadian Journal of Microbiology*, v.38, n.7, 1992:605-613

Murrell, M. C.; Hollibaugh, J. T.; Silver, M. W.; Wong, P. S.. Bacterioplankton dynamics in northern San Francisco Bay: Role of particle association and seasonal freshwater flow. In: *Limnology and Oceanography* March, 1999. 44 (2): 295-308.

Murrell, M. C.; Hollibaugh, J. T.. Microzooplankton grazing in northern San Francisco Bay measured by the dilution method. In: Aquatic Microbial Ecology May 22, 1998. 15 (1): 53-63.

G. Phytoplankton

Alpine, A. E. and J. E. Cloern. 1992. Trophic interactions and direct physical effects control phytoplankton biomass and production in an estuary. *Limnol. Oceanogr.* 37: 946-955.

Alpine, A E; Cloern, J E. Differences in in vivo fluorescence yield between three phytoplankton size classes. *Journal of Plankton Research*, v.7, n.3, 1985:381-390

Cloern, James E.. The relative importance of light and nutrient limitation of phytoplankton growth: A simple index of coastal ecosystem sensitivity to nutrient enrichment. In: *Aquatic Ecology 1999*. 33 (1): 3-16.

Cloern, J. E. 1996. Phytoplankton bloom dynamics in coastal ecosystems: a review with some general lessons from sustained investigation of San Francisco Bay, California. *Reviews of Geophysics* 34:127-168.

Cloern, James E.; Grenz, Christian; Vidergar-Lucas, Lisa. An empirical model of the phytoplankton chlorophyll: Carbon ratio-the conversion factor between productivity and growth rate. In: *Limnology and Oceanography 1995*. 40 (7): 1313-1321

Cloern, James E.; Cole, Brian E.; Hager, Stephen W.. Notes on a *Mesodinium rubrum* red tide in San Francisco Bay (California, USA). In: *Journal of Plankton Research 1994*. 16 (9): 1269-1276.

Cloern, J E. Tidal stirring and phytoplankton bloom dynamics in an estuary. *Journal of Marine Research*, v.49, n.1, 1991:203-221

Cloern, J. 1987. Turbidity as a control on phytoplankton biomass and production. *Est. Con. Shelf. Res.* 7: 1367-1381.

Cloern, J E; Cole, E; Wong, R L J; Alpine, A E. Temporal dynamics of estuarine phytoplankton: A case study of San Francisco Bay [California, USA]. *Hydrobiologia*, v.129, n.1, 1985:153-176

Cole, B E; Thompson, J K; Cloern, J E. Measurement of filtration rates by infaunal bivalves in a recirculating flume. *Marine Biology (Berlin)*, v.113, n.2, 1992:219-225

- Cole, B E; Cloern, J E; Alpine, A E. Biomass and productivity of three phytoplankton size classes in San Francisco Bay [California, USA]. *Estuaries*, v.9, n.2, 1986:117-126
- Huzzey, L M; Cloern, J E; Powell, T M. Episodic changes in lateral transport and phytoplankton distribution in South San Francisco Bay [California, USA]. *Limnology and Oceanography*, v.35, n.2, 1990:472-478
- Jassby, A.D. and T.M. Powell 1994. Hydrodynamic influences on interannual chlorophyll variability in an estuary: Upper San Francisco Bay-Delta. *Estuarine, Coastal and Shelf Science* 39(6): 595-618.
- * Lehman, P. W.. The influence of climate on phytoplankton community biomass in San Francisco Bay Estuary. In: *Limnology and Oceanography* May, 2000. 45 (3): 580-590
- * Lehman, P. W.. Phytoplankton biomass, cell diameter, and species composition in the low salinity zone of Northern San Francisco Bay Estuary. In: *Estuaries* April, 2000. 23 (2): 216-230.
- * Lehman, P W. Environmental factors associated with long-term changes in chlorophyll concentration in the Sacramento-San Joaquin Delta and Suisun Bay, California. *Estuaries*, v.15, n.3, 1992:335-348
- * Lehman P. W. and R. W. Smith. 1991. Environmental factors associated with phytoplankton succession for the Sacramento-San Joaquin Delta and Suisun Bay Estuary, California. *Est. Coast. Shelf. Sci.* 32:105-128.
- Ning, Xiuren; Cloern, James E.; Cole, Brian E.. Spatial and temporal variability of picocyanobacteria *Synechococcus* sp. in San Francisco Bay. In: *Limnology and Oceanography* May, 2000. 45 (3): 695-702.
- Wienke, S M; Cloern, J E. The phytoplankton component of seston in San Francisco Bay, [USA]. *Netherlands Journal of Sea Research*, v.21, n.1, 1987:25-34

H. Zooplankton

- Ambler, J W; Cloern, J E; Hutchinson, A. Seasonal cycles of zooplankton from San Francisco Bay [California, USA]. *Hydrobiologia*, v.129, n.1, 1985:177-198

- Bowman, T E; Orsi, J J. Deltamysis-Holmquistae New-Genus New-Species of Mysidacea from the Sacramento-San Joaquin Estuary of California Mysidae Mysinae Heteromysini Proceedings of the Biological Society of Washington, v.105, n.4, 1992:733-742
- Kimmerer, W. J.; Burau, J. R.; Bennett, W. A.. Tidally oriented vertical migration and position maintenance of zooplankton in a temperate estuary. In: Limnology and Oceanography Nov., 1998. 43 (7): 1697-1709.
- Kimmerer, W. J., E. Gartside, and J. J. Orsi. 1994. Predation by an introduced clam as the probable cause of substantial declines in zooplankton in San Francisco Bay. Mar. Ecol. Progr. Ser. 113: 81-93.
- * Modlin, Richard F.; Orsi, James J.. *Acanthomysis bowmani*, a new species, and *A. aspera* li, Mysidacea newly reported from the Sacramento-San Joaquin Estuary, California (Crustacea: Mysidae). In: Proceedings of the Biological Society of Washington 1997. 110 (3): 439-446.
- * Orsi, J.J., Mecum, W.L. 1986. Zooplankton Distribution and Abundance in the Sacramento-San Joaquin Delta in Relation to Certain Environmental Factors. Estuaries. Vol. 9. No. 4B, pp. 326-339. December 1986
- Salt, G W. Comparisons of the diets and reproductive performances of two sympatric rotifers, *Asplanchna girodi* and *Asplanchna priodonta*. Freshwater Biology, v.22, n.3, 1989:417-430

I. Benthos

- Alexander, Richard R.; Stanton., Robert J.; Dodd, J. Robert. Influence of sediment grain size on the burrowing of bivalves: Correlation with distribution and stratigraphic persistence of selected Neogene clams. In: Palaios 1993. 8 (3): 289-303.
- Batzer, Darold P.; De Szalay, Ferenc; Resh, Vincent H.. Opportunistic response of a benthic midge (Diptera: Chironomidae) to management of California seasonal wetlands. In: Environmental Entomology 1997. 26 (2): 215-222.
- Brown, Larry R.; May, Jason T.. Macroinvertebrate assemblages on woody debris and their relations with environmental variables in the lower Sacramento and San Joaquin River drainages, California.

In: Environmental Monitoring and Assessment September, 2000.
64 (1): 311-329

- Gallagher, Sean P.. Life history variation in the temporary pool snail, *Fossaria sonomaensis*, in the Northern Sacramento Valley. In: American Midland Naturalist 1993. 130 (2): 372-385.
- Hershler, Robert. New freshwater snails of the genus *Pyrgulopsis* (Rissooidea: Hydrobiidae) from California. In: Veliger 1995. 38 (4): 343-373.
- Israel, H.R. 1936. A contribution toward the life histories of two California shrimps, *Crago franciscorum* (Stimpson) and *Crago nigricauda* (Stimpson). CDFG Fish Bulletin 46, 28 pp.
- Leland, Harry V.; Fend, Steven V.. Benthic invertebrate distributions in the San Joaquin River, California, in relation to physical and and chemical factors. In: Canadian Journal of Fisheries and Aquatic Sciences May, 1998. 55 (5): 1051-1067.
- Prest, H F; Jarman, W M; Burns, S A; Weismueller, T; Martin, M; Huckins, J N. Passive Water Sampling Via Semipermeable Membrane Devices Spmds in Concert with Bivalves in the Sacramento-San Joaquin River Delta Chemosphere, v.25, n.12, 1992:1811-1823
- Safran, Rebecca J.; Isola, Craig R.; Colwell, Mark A.; Williams, Oriane E.. Benthic invertebrates at foraging locations of nine waterbird species in managed wetlands of the northern San Joaquin Valley, California. In: Wetlands 1997. 17 (3): 407-415.

J. Fish

1. Salmon

- Alabaster, J S. The Dissolved Oxygen and Temperature Requirements of King Salmon *Oncorhynchus-Tshawytscha* in the San Joaquin Delta California USA Journal of Fish Biology, v.34, n.2, 1989:331-332
- Baker, P.T., T.P. Speed, and F.K. Ligon. 1995. Estimating the influence of temperature on the survival of chinook salmon smolts (*Oncorhynchus tshawytscha*) migrating through the Sacramento-San Joaquin River Delta of California. Canadian Journal of Fisheries and Aquatic Sciences 52: 855-863.
- Banks, Michael A.; Baldwin, Barbara A.; Hedgecock, Dennis. Research on chinook salmon (*Oncorhynchus tshawytscha*) stock structure

- using microsatellite DNA. In: Bulletin of National Research Institute of Aquaculture 1996. 0 (SUPPL. 2): 5-9.
- Black, Michael. Recounting a century of failed fishery policy toward California's Sacramento River salmon and steelhead. In: Conservation Biology 1994. 8 (3): 892-894.
- Botsford, Louis W.; Brittnacher, John G.. Viability of Sacramento River winter-run chinook salmon. In: Conservation Biology Feb., 1998. 12 (1): 65-79.
- Gall, G A E; Bartley, D; Bentley, B; Brodziak, J; Gomulkiewicz, R; Mangel, M. Geographic variation in population genetic structure of chinook salmon from California and Oregon. U S National Marine Fisheries Service Fishery Bulletin, v.90, n.1, 1992:77-100
- Hamilton, S J; Buhl, K J. Safety assessment of selected inorganic elements to fry of chinook salmon (*Oncorhynchus tshawytscha*). Ecotoxicology and Environmental Safety, v.20, n.3, 1990:307-324
- Hedrick, Philip W.; Hedgecock, Dennis; Hamelberg, Scott. Effective population size in winter-run chinook salmon. In: Conservation Biology 1995. 9 (3): 615-624.
- Hedrick, P. W.; Hedgecock, D.; Hamelberg, S.; Croci, S. J.. The impact of supplementation in winter-run chinook salmon on effective population size. In: Journal of Heredity. March-April, 2000. 91 (2): 112-116.
- Kjelson, M.A., and P.L. Brandes. 1989. The use of smolt survival estimates to quantify the effects of habitat changes on salmonid stocks in the Sacramento-San Joaquin rivers, California. Special Publication of Canadian Journal of Fisheries and Aquatic Sciences 105: 100-115.
- Kjelson, M.A., P.F. Raquel, and F.W. Fisher. 1982. Life history of fall-run juvenile chinook salmon, *Oncorhynchus tshawytscha*, in the Sacramento-San Joaquin Estuary, California. Pages 393-411 in V.S. Kennedy (editor). Estuarine comparisons. Academic Press, New York.
- Kondolf, G. Mathias; Vick, Jennifer C.; Ramirez, Timothy M.. Salmon spawning habitat rehabilitation on the Merced River, California: An evaluation of project planning and performance. - Transactions Of The American Fisheries Society, NOV, 1996, V125(N6):899-912.

- Kondolf, G. Mathias. Some suggested guidelines for geomorphic aspects of anadromous salmonid habitat restoration proposals. In: Restoration Ecology March, 2000. 8 (1): 48-56.
- Merz, Joseph E.; Vanicek, C. David. Comparative feeding habits of juvenile chinook salmon, steelhead, and Sacramento squawfish in the lower American River, California. In: California Fish and Game 1996. 82 (4): 149-159.
- Nielsen, Jennifer L.; Tupper, Douglas; Thomas, W. Kelley. Mitochondrial DNA polymorphism in unique runs of chinook salmon (*Oncorhynchus tshawytscha*) from the Sacramento-San Joaquin River Basin. In: Conservation Biology 1994. 8 (3): 882-884.
- Speed, T. 1993. Modelling and managing a salmon population. In: V. Barnett and F. Turkman (ed), Statistics for the Environment. John Wiley & Sons, Ltd. 271-291.
- Warner, G. Remember the San Joaquin Lufkin, A. (Ed.). California's salmon and steelhead: the struggle to restore an imperiled resource. XXIII+305P. University Of California Press: Berkeley, California, USA; Oxford, England, UK. Illus. Maps. ISBN 0-520-07028-3. 1991:61-70
- Williams, John G.. Stock dynamics and adaptive management of habitat: An evaluation based on simulations. In: North American Journal of Fisheries Management May, 1999. 19 (2): 329-341.
- Yoshiyama, Ronald M.; Fisher, Frank W.; Moyle, Peter B.. Historical abundance and decline of chinook salmon in the Central Valley Region of California. In: North American Journal of Fisheries Management Aug., 1998. 18 (3): 487-521.
2. Striped Bass:
- Kimmerer, W. J.; Cowan, J. H.,; Miller, L. W.; Rose, K. A.. Analysis of an estuarine striped bass (*Morone saxatilis*) population: Influence of density-dependent mortality between metamorphosis and recruitment. In: Canadian Journal of Fisheries and Aquatic Sciences Feb., 2000. 57 (2): 478-486.
- Arnold, Jane D.; Yue, Holly S.. Prevalence, relative abundance, and mean intensity of plerocercoids of *Proteocephalus* sp. in young striped bass in the Sacramento-San Joaquin estuary. In: California Fish and Game Summer, 1997. 83 (3): 105-117.

- Bennett, W.A., D.J. Ostrach, and D.E. Hinton. 1995. Condition of larval striped bass in a drought- stricken estuary: evaluating pelagic food web limitation. *Ecological Applications* 5: 680-692.
- Hopkins, T E; Cech, J J Jr. Physiological Effects of Capturing Striped Bass in Gill Nets and Fyke Traps *Transactions of the American Fisheries Society*, v.121, n.6, 1992:819-822
- Kohlhorst, David W.. Status of striped bass in the Sacramento-San Joaquin Estuary. In: *California Fish and Game Winter, 1999*. 85 (1): 31-36.
- Meng, L. and J. J. Orsi. 1991. Selective predation by larval striped bass on native and introduced copepods. *Trans. Am. Fish. Soc.* 120: 187-192.
- Sakanari, J A; Moser, M. Lesion induction by the plerocercoid *Lacistorhynchus tenuis* (Cestoda) and wound healing in the striped bass, *Morone saxatilis*. *Journal of Fish Biology*, v.28, n.3, 1986:289-296
- Stevens, D.E., D.W. Kohlhorst, L.W. Miller, and D.W. Kelley.1985. The decline of striped bass in the Sacramento-SanJoaquin Estuary, California. *Transactions of the American Fisheries Society* 114:12-30.
- White, J R. The striped bass [*Morone saxatilis*] sport fishery in the Sacramento-San Joaquin estuary [California, USA], 1969-1979. *California Fish and Game*, v.72, n.1, 1986:17-37
- Young, G.; Brown, C. L.; Nishioka, R. S.; Folmar, L. C.; Andrews, M.; Cashman, J. R.; Bern, H. A.. Histopathology, blood chemistry, and physiological status of normal and moribund striped bass (*Morone saxatilis*) involved in summer mortality ('die-off') in the Sacramento-San Joaquin Delta of California. In: *Journal of Fish Biology* 1994. 44 (3): 491-512.
3. Delta Smelt
- Moyle, P.B., B. Herbold, D.E. Stevens and L.W. Miller 1992. Life History and Status of Delta Smelt in the Sacramento-San Joaquin Estuary, California. *Transactions of the American Fisheries Society* 121:67-77.
- Swanson, Christin; Reid, Turid; Young, Paciencia S.; Cech, Joseph J.,. Comparative environmental tolerances of threatened delta smelt

(*Hypomesus transpacificus*) and introduced wakasagi (*H. nipponensis*) in an altered California estuary. In: *Oecologia* (Berlin) May, 2000. 123 (3): 384-390.

Swanson, Christina; Mager, Randall C.; Doroshov, Serge I.; Cech, Joseph J.,. Use of salts, anesthetics, and polymers to minimize handling and transport mortality in delta smelt. In: *Transactions of the American Fisheries Society* 1996. 125 (2): 326-329.

Stanley, Scott E.; Moyle, Peter B.; Shaffer, H. Bradley. Allozyme analysis of delta smelt, *Hypomesus transpacificus* and longfin smelt, *Spirinchus thaleichthys* in the Sacramento-San Joaquin Estuary, California. In: *Copeia* 1995. 1995 (2): 390-396.

Sweetnam, Dale A.. Status of delta smelt in the Sacramento-San Joaquin Estuary. In: *California Fish and Game Winter*, 1999. 85 (1): 22-27.

Trenham, Peter C.; Shaffer, H. Bradley; Moyle, Peter B.. Biochemical identification and assessment of population subdivision in morphologically similar native and invading smelt species (*Hypomesus*) in the Sacramento-San Joaquin Estuary, California. In: *Transactions of the American Fisheries Society* May, 1998. 127 (3): 417-424.

4. Other Fish

Armor, C; Herrgesell, P L. Distribution and abundance of fishes in the San Francisco Bay [California, USA] estuary between 1980 and 1982. *Hydrobiologia*, v.129, n.1, 1985:211-228

Aasen, Geir A.; Sweetnam, Dale A.; Lynch, Lisa M.. Establishment of the wakasagi, *Hypomesus nipponensis*, in the Sacramento-San Joaquin Estuary. In: *California Fish and Game Winter*, 1998. 84 (1): 31-35. Baltz, Donald M.; Moyle, Peter B.. Invasion resistance to introduced species by a native assemblage of California stream fishes. In: *Ecological Applications* 1993. 3 (2): 246-255.

Brown, Larry R.. Fish communities and their associations with environmental variables, lower San Joaquin River drainage, California. In: *Environmental Biology of Fishes* March, 2000. 57 (3): 251-269.

Brown, Larry R.; Moyle, Peter B.. Distribution, ecology, and status of the fishes of the San Joaquin River drainage, California. In: *California Fish and Game* 1993. 79 (3): 96-114.

- Brown, L R; Moyle, P B; Bennett, W A; Quelvog, B D. Implications of morphological variation among populations of California roach *Lavinia symmetricus* (Cyprinidae) for conservation policy. *Biological Conservation*, v.62, n.1, 1992:1-10
- Heath, Alan G.; Cech., Joseph J.; Brink, Laura; Moberg, Philip; Zinkl, Joseph G.. Physiological responses of fathead minnow larvae to rice pesticides. In: *Ecotoxicology and Environmental Safety* 1997. 37 (3): 280-288.
- Jennings, M R; Saiki, M K. Establishment of red shiner, *Notropis lutrensis*, in the San Joaquin Valley, California [USA]. *California Fish and Game*, v.76, n.1, 1990:46-57
- Kohlhorst, D.W., L.W. Botsford, J.S. Brennan, and G.M. Caillet. 1991. Aspects of the structure and dynamics of an exploited central California population of white sturgeon (*Acipenser transmontanus*). Pages 277-293 in P. Willriott (editor). *Acipenser*. Cemagref Publishers, Bordeaux, France.
- McGowan, M.F 1986. Northern anchovy, *Engraulis mordax*, spawning in San Francisco Bay, California, 1978-79, relative to hydrography and zooplankton prey of adults and larvae. *Fish. Bull.*, U.S. 84:879-894.
- Meng, Lesa; Moyle, Peter B.. Status of splittail in the Sacramento-San Joaquin estuary. In: *Transactions of the American Fisheries Society* 1995. 124 (4): 538-549.
- Meng, L. M., P. B. Moyle, and B. Herbold. 1994. Changes in abundance and distribution of native and introduced fishes of Suisun Marsh. *Trans. Am. Fish. Soc.* 123: 498-507.
- Merz, Joseph E.; Vanicek, C. David. Comparative feeding habits of juvenile chinook salmon, steelhead, and Sacramento squawfish in the lower American River, California. In: *California Fish and Game* 1996. 82 (4): 149-159.
- Moyle, P.B., R.A. Daniels, B. Herbold, and D.M. Baltz. 1986. Patterns in distribution and abundance of a noncoevolved assemblage of estuarine fishes in California. *Fishery Bulletin* 84: 105-117.
- Raquel, P F. Juvenile Blue Catfish *Ictalurus-Furcatus* in the Sacramento-San-joaquin Delta of California USA *California Fish and Game*, v.72, n.3, 1986:186-187

- Saiki, M K; Schmitt, C J. Population biology of bluegills, *Lepomis macrochirus*, in lotic habitats on the irrigated San Joaquin valley floor [California, USA]. *California Fish and Game*, v.71, n.4,:225-244
- Schaffter, Raymond G.; Kohlhorst, David W.. Status of white sturgeon in the Sacramento-San Joaquin Estuary. In: *California Fish and Game Winter*, 1999. 85 (1): 37-41.
- Schaffter, Raymond G.. White sturgeon spawning migrations and location of spawning habitat in the Sacramento River, California. In: *California Fish and Game* 1997. 83 (1): 1-20.
- Schaffter, Raymond G.. Growth of white catfish in California's Sacramento-San Joaquin Delta. In: *California Fish and Game Spring*, 1997. 83 (2): 57-69.
- Sommer, T., R. Baxter, and B. Herbold. 1997. The resilience of splittail in the Sacramento-San Joaquin Estuary. *Transactions of the American Fisheries Society* 126:961-976.
- Stevens, D.E., and L.W. Miller. 1983. Effects of river flow on abundance of young chinook salmon, American shad, longfin smelt, and delta smelt in the Sacramento-San Joaquin River system. *North American Journal of Fisheries Management* 3: 425-437.
- Turner, J.L. and D.W. Kelly. 1966. Ecological studies of the Sacramento-San Joaquin Estuary, Part II. Fishes of the Delta. *CDFG Fish Bulletin* 136, 133 pp.

K. Introduced and Nuisance Species

- Carlton Jt; Thompson Jk; Schemel Le; Nichols Fh. Remarkable invasion of San-Francisco Bay (California, USA) by the asian clam *potamocorbula-amurensis* .1. Introduction and dispersal. *Marine Ecology-Progress Series*, Sep, 1990, V66(N1-2):81-94.
- * Cohen, Andrew N.; Carlton, James T.. Accelerating invasion rate in a highly invaded estuary. In: *Science (Washington D C)* Jan. 23, 1998. 279 (5350): 555-558.
- Mills, C.E. and F. Sommer. 1995. Invertebrate Introductions in Marine Habitats: Two Species of Hydromedusae(Cnidaria) Native to the Black Sea, *Maeotias inexpectata* and *Blackfordia virginica*, invade San Francisco Bay. *Mar.Biol.* 122:279-288.

Moyle, Peter B.; Light, Theo. Fish invasions in California: Do abiotic factors determine success? In: Ecology (Washington D C) 1996. 77 (6): 1666-1670.

* Orsi, James J.; Ohtsuka, Susumu. Introduction of the Asian copepods *Acartiella sinensis*, *Tortanus dextrilobatus* (Copepoda: Calanoida), and *Limnoithona tetraspina* (Copepoda: Cyclopoida) to the San Francisco Estuary, California, USA. In: Plankton Biology and Ecology August, 1999. 46 (2): 128-131.

Rees, J.T. 1982. The Hydrozoan *Cladonema* in California: A Possible introduction from Japan. Pac. Sci. 36:439-444.

Nichols FH; Thompson JK; Schemel LE. Remarkable invasion of San-Francisco Bay (California, USA) by the asian clam *potamocorbula-amurensis* .2. Displacement of a former community. Marine Ecology-Progress Series, Sep, 1990, V66(N1-2):95-101.

Werner, I. and J. T. Hollibaugh. 1993. *Potamocorbula amurensis* - Comparison of clearance rates and assimilation efficiencies for phytoplankton and bacterioplankton. Limnol. Oceanogr. 38: 949-964.

L. Miscellaneous

Alpert, Peter; Griggs, F. Thomas; Peterson, Daryl R.. Riparian forest restoration along large rivers: Initial results from the Sacramento River Project. In: Restoration Ecology Dec., 1999. 7 (4): 360-368.

Barnum, D A; Euliss, N H Jr. Impacts of changing irrigation practices on waterfowl habitat use in the southern San Joaquin Valley, California [USA]. California Fish and Game, v.77, n.1, 1991:10-21

Batzer, Darold P.; McGee, Monica; Resh, Vincent H.; Smith, R. Robert. Characteristics of invertebrates consumed by mallards and prey response to wetland flooding schedules. In: Wetlands 1993. 13 (1): 41-49.

Colwell, M. A.; Taft, O. W.. Waterbird communities in managed wetlands of varying water depth. In: Waterbirds 2000. 23 (1): 45-55.

- Fry, Brian. Using stable isotopes to monitor watershed influences on aquatic trophodynamics. In: Canadian Journal of Fisheries and Aquatic Sciences Nov., 1999. 56 (11): 2167-2171.
- Hall, Robert K.; Olsen, Anthony; Stevens, Donald; Rosenbaum, Barbara; Husby, Peter; Wolinsky, Gary A.; Heggem, Daniel T.. EMAP design and River Reach File 3 (RF3) as a sample frame in the Central Valley, California. In: Environmental Monitoring and Assessment September, 2000. 64 (1): 69-80.
- Hall, Robert K.; Husby, Peter; Wolinsky, Gary; Hansen, Olof; Mares, Michiko. Site access and sample frame issues for R-EMAP Central Valley, California, steam assessment. In: Environmental Monitoring and Assessment June, 1998. 51 (1-2): 357-367.
- Fisher, Robert N.; Shaffer, H. Bradley. The decline of amphibians in California's Great Central Valley. In: Conservation Biology 1996. 10 (5): 1387-1397.
- Smallwood, K. Shawn; Wilcox, Bruce; Leidy, Roy; Yarris, Kevin. Indicators assessment for habitat conservation plan of Yolo County, California, USA. In: Environmental Management Nov.-Dec., 1998. 22 (6): 947-958.
- Zhang, M.; Ustin, S. L.; Rejmankova, E.; Sanderson, E. W.. Monitoring Pacific coast salt marshes using remote sensing. In: Ecological Applications 1997. 7 (3): 1039-1053.

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/~bdt/db/>

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://www.dpla.water.ca.gov/cd/delmon/index.html>
California Irrigation Management Information System (CIMIS):
<http://www.dpla.water.ca.gov/cgi-bin/cimis/cimis/hq/main.pl>
DWR Office of State Water Project Planning: www.dop.water.ca.gov
DWR Delta Modeling Section: www.delmod.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>