

Chapter 8

REFERENCES

1. Introduction

None cited

2. Program Description

None cited

3. Activity Description

Ashworth, T. 2010. *How to Use Aqua Regia to Purify Gold and How to Use Mercury to Recover Gold*. Available: < <http://www.tomashworth.com/> >. Accessed: March 4, 2010. Last posted or revised: unknown. [[Ref#: 706]]

California Department of Fish and Game (CDFG). 1994. Adoption of Regulations for Suction Dredge Mining. Final Environmental Impact Report. State of California, Resources Agency. April. [[Ref#: 1]]

California Department of Fish and Game (CDFG). Index to Historical Sales Data/ Licensing Statistics. Special Licenses and Permits – Number Issued, for the 10_yr, 1990s, 1980s, and 1970s. Available: <<http://www.dfg.ca.gov/licensing/statistics/statistics.html>> [[Ref#: 729]]

California Division of Mines and Geology. 1970. Gold Districts of California Bulletin 193. [[Ref#: 7]]

Dorado Vista, Inc. No Date. Dorado Vista Website “Using the Suction Dredge”. 24 June 2009 Available: <http://www.doradovista.com/DV_Gold_Dredge.html>. [[Ref#: 736]]

Environmental Health and Safety. 2009. Website “Mercuric Nitrate Monohydrate”. MSDS Number M1508, Effective date 05/26/09. Available: <<http://www.jtbaker.com/msds/englishhtml/m1508.htm>> [[Ref# 1073]].

Heavy Metal Mining Company. 1992. The Modern Gold Dredge. 24 June 2009 Available: <<http://www.goldminersdredgershq.com/FORMS/modern1.htm#Anchor-a5>>.[[Ref#: 741]]

Herschbach, S. 1999. Steve's Mining Journal. 26 August 2009. Available: <<http://www.akmining.com/mine/jour106.htm>> [[Ref#: 682]]

- Keene Engineering, Inc. 2008a. 2008 Product Catalogue. [[Ref#: 677]]
- Keene Engineering, Inc. 2008b. Keene Engineering Website "The Gold Dredge". 24 June 2009 Available: <<http://www.keeneengineering.com/pamphlets/howdredge.html>> [[Ref#: 747]]
- Keene Engineering, Inc. 2009. Dredge Yardage. Email response to IS/NOP, including data table. December 3, 2009. [[Ref#:751]]
- Koons, Ray. 2004. New 49ers Website "Operational Guidelines for Members and Guests". Last revised May 24, 2004. 24 June 2009. Available: <<http://www.goldgold.com/rules.htm>> [[Ref#:654]]
- McCracken, Dave. 2005. Pro-Mack Mining: Underwater Specialists website. "Suction Dredging for Gold. Covering the Basics of a Gold Dredging Operation". Copyright 2005. Accessed October 23, 2010. Available: <<http://www.promackmining.com/suctiondredgingforgold.htm>> [[Ref#:100]]
- McCracken, Dave. 2008. New 49ers Website "Suction Dredging". 24 June 2009 Available: <<http://www.goldgold.com/dredging.html>> [[Ref#:753]]
- New 49ers. 2009. New 49ers Website "Join Form". 27 August 2009. Available: <<http://www.goldgold.com/joinform1.htm>> [[Ref#:790]]
- Sierra Fund. 2009. Compliance with Suction Dredge Mining Law on Federal Land in the Sierra Nevada. July 15, 2009. [[Ref#:648]]
- U.S. Forest Service (USFS). 2006. Small-Scale Suction Dredging in Lolo Creek and Moose Creek in Idaho – Final Environmental Impact Statement. Clearwater National Forest, Lochsa and North Fork Ranger Districts. Clearwater County and Idaho County. December. [[Ref#:199]]
- U.S. Forest Service (USFS). 2010. Dredge Production Rate. Excerpt from *Suction Dredge Techniques: USFS R5 Mineral Examiner Team*. Internal agency document, used with permission by R. Teixeira, USFS staff geologist. [[Ref#:784]]

4.1 Geomorphology and Hydrology

- Andrews, E. D., R. C. Antweiler, P. J. Neiman, F. M. Ralph. 2004. Influence of ENSO on flood frequency along the California Coast *Journal of Climate* 17: 337–348. [[Ref#:792]]
- Bilby and Bisson. 1998. Function and Distribution of large woody debris. Pages 324-346 in Naiman RJ, Bilby RE, eds. *River Ecology and Management: Lessons from the Pacific Coastal Ecoregion*. New York: Springer-Verlag. [[Ref#:793]]
- California Geographic Survey (CGS). (2002). *California Geomorphic Provinces*, Note 36. [[Ref#:794]]

- Curtis, J.A., L.E. Flint, C.N. Alpers, S.A. Wright, and N.P. Snyder. 2006. Use of Sediment Rating Curves and Optical Backscatter Data to Characterize Sediment Transport in the Upper Yuba River Watershed, California, 2001–03: U.S. Geological Survey Scientific Investigations Report 2005–5246, 74 p. [[Ref#:112]]
- Dunne, T. and L.B. Leopold. 1978. Water in Environmental Planning. W.H. Freeman and Company, New York, 818 pp. [[Ref#:795]]
- Goudie, A. 1994. The Encyclopedic Dictionary of Physical Geography (2nd Edition). Blackwell, Oxford, 611 pp. [[Ref#: 796]]
- Griffith, J.S. and D.A. Andrews. 1981. Effects of a Small Suction Dredge on Fishes and Aquatic Invertebrates in Idaho Streams. North American Journal of Fisheries Management. 1(1): 21-28. January. [[Ref#: 108]]
- Gunn-Morrison, L. (ed.). 1994. *A Gold Dredger's Primer to Survival in a Shrinking World*. Big Bar, CA. [[Ref#: 433]]
- Harvey, B. C. 1986. Effects of suction gold dredging on fish and invertebrates in two California streams. N. Am. J. Fish. Manage. 6:401-409. [[Ref#: 106]]
- Harvey, B. C. and T. E. Lisle. 1998. Effects of suction dredging on streams: a review and an evaluation strategy. Fisheries. 23:8. [[Ref#: 103]]
- Harvey, B., et.al. 1982. Some physical and biological effects of suction dredge mining. California Department of Fish and Game Environmental Services Branch Fish and Wildlife Water Pollution Control Laboratory. Laboratory Report No. 82-3. Rancho Cordova, CA. [[Ref#: 21]]
- Hassler, T.J., W.L. Somer, and G.R. Stern. 1986. Impacts of suction dredge mining on anadromous fish, invertebrates and habitat in Canyon Creek, California. California Cooperative Fishery Research Unit, U.S. Fish and Wildlife Service, Humboldt State University. Cooperative Agreement No. 14-16-0009-1547 – Work Order No. 2, Final Report. [[Ref#: 23]]
- Keller, E.A., F.J. Swanson. 1978. Effects of Large Organic Material on Channel Form and Fluvial Processes. Earth Surface Processes. 4 (4): 361-380. [[Ref#:511]]
- Kondolf, G.M. 1995. Managing Bedload Sediment in Regulated Rivers: Examples from California U.S.A. Geophysical Monograph 89: 165-176. [[Ref#: 797]]
- Kondolf, G.M. 1997. Hungry Water: Effects of Dams and Gravel Mining on River Channels. Environmental Management Vol. 21, No. 4, pp. 533–551 [[Ref#: 239]]
- Leopold, L.B. 1994. A View of the River. Harvard University Press, Cambridge, 298 pp [[Ref#:798]]
- Lisle, T E. 1986b. Stabilization of a gravel channel by large streamside obstructions and bedrock bends, Jacoby Creek, northwestern California. Geol. Soc. Am. Bull. 97:999-1,011. [[Ref#: 689]]

- Lisle, T E. 1986a. Effects of woody debris on anadromous salmonid habitat, Prince of Wales Island, southeast Alaska. *N. Am. J. Fish. Manage.* 6:538-550. [[Ref#: 688]]
- McCleneghan, K. and R.E. Johnson. 1983. *Suction Dredge Gold Mining in the Mother Lode Region of California*. Administrative Report 83-1. Pgs: 1-16. California Department of Fish and Game, Sacramento, CA. [[Ref#: 30]]
- Montgomery, D. R., J. M. Buffington, R. D. Smith, Schmidt, K. M., and G. Pess. 1995. Pool spacing in forest channels. *Water Resour. Res.* 31:1,097-1,105. [[Ref#:799]]
- Norris, R.M, and R.W. Webb. 1990. *Geology of California*. John Wiley & Sons, New York, 541 pp. [[Ref#:800]]
- Prussian, A., T. Royer, and W. Minshall. 1999. Impact of suction dredging on water quality, benthic habitat, and biota in the Fortymile River, Resurrection Creek, and Chatanika River, Alaska. Prepared for the U.S. Environmental Protection Agency. [[Ref#: 460]]
- R2 Resource Consultants. 2006. Small-Scale Mineral Prospecting White Paper. Seattle, WA. [[Ref#:192]]
- Saldi-Caromile, K., K. Bates, P. Skidmore, J. Barenti, D. Pineo. 2004. Technical Appendix: Sediment Transport. *In: Stream Habitat Restoration Guidelines: Final Draft*. Co-published by the Washington Departments of Fish and Wildlife and Ecology and the U.S. Fish and Wildlife Service. Olympia, Washington. [[Ref#:801]]
- Schumm, S.A. and R.W. Lichty. 1965. Time, Space, and Causality in Geomorphology. *American Journal of Science*, Vol. 263, Feb. 1965, pp. 110-119. [[Ref#: 802]]
- Somer, W.L., and T.J. Hassler. 1992. Effects of suction-dredge gold mining on benthic invertebrates in a Northern California stream. *North American Journal of Fisheries Management.* 12:244-252. [[Ref#: 39]]
- Stern, G. R. 1988. Effects of suction dredge mining on anadromous salmonid habitat in Canyon Creek, Trinity County, California. M.S. Thesis, Humboldt State University, Arcata, California, 80 pp. [[Ref#:41]]
- Thomas, V.G. 1985. Experimentally Determined Impacts of a Small, Suction Gold Dredge on a Montana Stream. *North American Journal of Fisheries Management*, Vol 5. pp. 480-488. [[Ref#: 44]]
- U.S. Bureau of Reclamation. 2005. Klamath River Master Sediment Budget. Accessed online on June 8, 2010. Available:
<<http://www.usbr.gov/mp/kbao/kbra/docs/other/MasterSedimentBudget051105k.PDF>> [[Ref#: 803]]
- U.S. Forest Service (USFS). 2006. Small-Scale Suction Dredging in Lolo Creek and Moose Creek in Idaho – Final Environmental Impact Statement. Clearwater National Forest, Lochsa and North Fork Ranger Districts. Clearwater County and Idaho County. December. [[Ref#:199]]

- U.S. Forest Service (USFS). 2009a. Supplemental EIR on Small-Scale Suction Dredging in Lolo Creek and Moose Creek. Clearwater National Forest. August. [[Ref#:757]]
- U.S. Forest Service (USFS). 2009b. Comment letter to the California Department of Fish and Game on Scoping of SEIR. Letter Number 258. Prepared by Randy Moore, Regional Forester, Pacific Southwest Region. December 04 [[Ref#:804]]
- U.S. Geological Survey (USGS). 2010. Daily streamflow data for Sespe Creek (USGS 11113000) and North Yuba River (11413000). Accessed on June 2, 2010. Available:<
<http://waterdata.usgs.gov/nwis/sw>> [[Ref#: 805]]
- Warrick, J.A. and L.A.K. Mertes. 2009. Sediment yield from the tectonically active semiarid Western Transverse Ranges of California. *GSA Bulletin*; June 2009; v. 121; no. 7-8; p. 1054-1070 [[Ref#:806]]
- Williams, G.P. 1978. Bank-Full discharge of rivers, *Water Resources Research*. Vol 14(6), 1141-1154, doi: 10.1029/WRO14i006p01141. [[Ref#:807]]
- Wolman, M.G. and J.P. Miller. 1960. Magnitude and Frequency of Forces in Geomorphic Processes. *Journal of Geology*, Volume 68, Jan.-Nov. 1968. [[Ref#:808]]
- Wolman, M.G. and R. Gerson. 1978. Relative Scales of Time and Effectiveness of Climate in Watershed Geomorphology. *Earth Surface Processes*, Vol. 3, pp 189-208. [[Ref#:744]]

Personal Communications

- Humphreys, Rick. 2010. State Water Resources Control Board. Communication via email, phone, and in-person with Horizon Water and Environment staff. [[Ref#:1078]]

4.2 Water Quality/Toxicology

- Afonso de Magalhaes, M.E. and M. Tubino. 1995. *A possible path for mercury in biological systems: the oxidation of metallic mercury by molecular oxygen in aqueous solutions*. *The Science of the Total Environment* 170:229-239. [[Ref#: 216]]
- Alabaster, J. S., and R. Lloyd. 1980. *Water quality criteria for freshwater fish*. European Inland Fisheries Advisory Commission Report (FAO). Buttersworth, London-Boston. 297 pp. [[Ref#: 328]]
- Alpers, C.N., et al. 2000. Metals Transport in the Sacramento River, California, 1996–1997 Volume 2: Interpretation of Metal Loads. U.S. Geological Survey Water-Resources Investigations Report 00-4002. [[Ref#:602]]
- Alpers, C.N.; C. Eagles-Smith; C. Foe; S. Klasing; M. Marvin-DiPasquale; D.G. Slotton; and L. Windham-Myers. 2008. *Mercury conceptual model. Sacramento(CA): Delta regional ecosystem restoration implementation plan*. [[Ref#:188]]

- Alpers, C.N.; M.P. Hunerlach; J.T. May; R.L. Hothem; H.E. Taylor; R.C. Antweiler; J.F. De Wild; and D.A. Lawler. 2005. *Geochemical characterization of water, sediment, and biota affected by mercury contamination and acidic drainage from historical gold mining, Greenhorn Creek, Nevada County, California, 1999-2001*. USGS Scientific Investigations Report 2004-5251, 278p. [[Ref#: 131]]
- Alpers, C.N.; M.P. Hunerlach; M.C. Marvin-DiPasquale; R.C. Antweiler; B.K. Lasorsa; J.F. De Wild; and N.P. Snyder. 2006. *Geochemical data for mercury, methylmercury, and other constituents in sediments from Englebright Lake, California, 2002*. USGS Data Series 151, 95p. [[Ref#:231]]
- Alpers, C.N.; R.C. Antweiler; N.P. Synder; and J.A. Curtis. (in preparation). *Transport and deposition of inorganic mercury in a watershed affected by historical gold mining and dam construction: the Yuba River, California*. USGS. [[Ref#: 809]]
- Amyot, M.; F.M.M. Morel; and P.A. Ariya. 2005. *Dark oxidation of dissolved and liquid elemental mercury in aquatic environments*. Environ. Sci. Technol. 2005, 39:110-114. [[Ref#:235]]
- Bernell, D., Behan, J., B. Shelby. 2003. *Recreational Placer Mining in the Oregon State Scenic Waterways System*. INR Policy Paper 2003-01. The Oregon Parks and Recreation Department. Oregon State University. January. [[Ref#:101]]
- Boyd, C. E. 1990. *Water quality in ponds for aquaculture*. Alabama Agricultural Experiment Station, Auburn University, Auburn, Alabama. Birmingham Publishing Co., Birmingham, Alabama. 482 pp. [[Ref#:812]]
- Brigham, M.E.; D.A. Wentz; G.R. Aiken; and D.P. Krabbenhoft. 2009. *Mercury cycling in stream ecosystems. 1. Water column chemistry and transport*. Environ. Sci. Technol. 43:2720-2725. [[Ref#:591]]
- Brusven, M. A., and S. T Rose. 1981. *Influence of substrate composition and suspended sediment on insect predation by the torrent sculpin, Cottus rhotheus*. Can. J. Fish. Aquat. Sci. 38:1444-1448. [[Ref#: 814]]
- California Department of Fish and Game (CDFG). 1994. Adoption of Regulations for Suction Dredge Mining. Final Environmental Impact Report. State of California, Resources Agency. April. [[Ref#:1]]
- Chasar, L.C.; B.C. Scudder; A. R. Stewart; A.H. Bell; and G.R. Aiken. 2009. *Mercury cycling in stream ecosystems. 3. Trophic dynamics and methylmercury bioaccumulation*. Environ. Sci. Technol. 2009, 43:2733-2739. [[Ref#: 593]]
- Curtis, J.A.; L.E. Flint; C.N. Alpers; S.A. Wright; and N.P. Snyder. 2006. *Use of sediment rating curves and optical backscatter data to characterize sediment transport in the upper Yuba River Watershed, California, 2001-03*. USGS Scientific Investigations Report 2005-5246, 74 p. [[Ref#:112]]
- Davis, J.A.; A.R. Melwani; S.N. Bezalel; J.A. Hunt; G. Ichikawa; A. Bonnema; W.A. Heim; D. Crane; S. Swenson; C. Lamerdin; and M. Stephenson. 2009. *Contaminants in fish from*

- California lakes and reservoirs: technical report on year one of a two-year screening survey*. A Report of the Surface Water Ambient Monitoring Program (SWAMP). California State Water Resources Control Board, Sacramento, CA. [[Ref#:510]]
- Department of Water Resources (DWR). 2003. *California's Groundwater: Bulletin 118*. Groundwater Basins in California Map Version 3.0. October 2003 [[Ref#:240]]
- Domagalski, J.D. 2001. *Mercury and methylmercury in water and sediment of the Sacramento River Basin, California*. Appl. Geochem. 16:1677-1691. [[Ref#:220]]
- Dominique, Y.; B. Muresan; R. Duran; S. Richard; and A. Boudou. 2007. *Simulation of the chemical fate and bioavailability of liquid elemental mercury drops from gold mining in Amazonian freshwater systems*. Environ. Sci. Technol. 2007, 41:7322-7329. [[Ref#:500]]
- Environment Canada. 2005. Guidelines at a Glance, Canadian Water Quality Guidelines, Inorganic Mercury and Methylmercury, National Guidelines and Standards Office. (February). Ottawa, ON [[Ref#:248]]
- European Inland Fisheries Advisory Commission (EIFAC). 1965. *Water quality criteria for European freshwater fish: Report on finely divided solids and inland fisheries*. Prepared by EIFAC Working Party on Water Quality Criteria for European Freshwater Fish. Air Water Pollut. 9(3): 151-. [[Ref#: 815]]
- Fjeld, E., T.O. Haugen, and L.A. Vollestad. 1998. *Permanent impairment in the feeding behavior of grayling (Thymallus thymallus) exposed to methylmercury during embryogenesis*. The Science of the Total Environment. 213:247-254. [[Ref#: 816]]
- Fleck, J.A.; C.N. Alpers; M. Marvin-DiPasquale; R. Hothem; S. Wright; K. Ellet; L. Beaulieu; J. Agee; E. Kakouros; L. Kieu; D. D. Eberl; A. Blum; and J. May. 2011. *The Effects of Sediment and Mercury Mobilization in the South Yuba River and Humbug Creek, Nevada County, California: Concentrations, Speciation and Environmental Fate_ Ppart 1: Field Characterization*. U.S. Geological Survey Open File Report 2010-1325A [[Ref#: 713]]
- Friedmann, A.S., M.C. Watzin, T. Brinck-Johnsen, and J.C. Leiter. 1996. *Low levels of dietary methylmercury inhibit growth and gonadal development in juvenile walleye (Stizostedion vitreum)*. Aquatic Toxicology. 35:265-278. [[Ref#: 817]]
- Ganter, H.E.; C. Goudie.; M.L. Sunde; M.J. Kopicky; P. Wagner; S.H. Oh; W.G. Hoekstra. 1972. *Selenium relation to decreased toxicity of methylmercury added to diets containing tuna*. Science 175 (4026), 1122-1124. [[Ref#: 818]]
- Griffin, L.E. 1938. *Experiments on the tolerance of young trout and salmon for suspended sediment in water*. Bull. Ore. Dep. Geol. 10, Appendix B. 28-31. [[Ref#: 819]]
- Griffith, J.S. and D.A. Andrews. 1981. Effects of a Small Suction Dredge on Fishes and Aquatic Invertebrates in Idaho Streams. North American Journal of Fisheries Management. 1(1): 21-28. January. [[Ref#:108]]
- Harvey, B. C. 1986. Effects of suction gold dredging on fish and invertebrates in two California streams. N. Am. J. Fish. Manage. 6:401-409. [[Ref#:106]]

- Harvey, B. C., K. McCleneghan, J. D. Linn, and C. L. Langley. 1982. Some physical and biological effects of suction dredge mining. California Department of Fish and Game, Environmental Services Branch, Laboratory Report No. 82-3. 20 pp. [[Ref#:21]]
- Hassler, T.J., W.L. Somer, and G.R. Stern. 1986. Impacts of suction dredge mining on anadromous fish, invertebrates and habitat in Canyon Creek, California. California Cooperative Fishery Research Unit, U.S. Fish and Wildlife Service, Humboldt State University. Cooperative Agreement No. 14-16-0009-1547 – Work Order No. 2, Final Report. [[Ref#:23]]
- Heim, W.A.; K. Coale; and M. Stephenson. 2003. *Methyl and total mercury spatial and temporal trends in surficial sediments of the San Francisco Bay-Delta*. CALFED Bay-Delta Mercury Project Final Report. [[Ref#:258]]
- Humphreys, R. 2005. *Mercury losses and recovery*. Division of Water Quality, California Water Boards. [[Ref#:116]]
- Hunerlach, M.P., et al. 2004. Geochemistry of mercury and other trace elements in fluvial tailings upstream of Daguerre Point Dam, Yuba River, California, August 2001. U.S. Geological Survey Scientific Investigations Report 2004-5165. [[Ref#:128]]
- James, A. 1999. *Time and the persistence of alluvium: river engineering, fluvial geomorphology, and mining sediment in California*. *Geomorphology* 31 (1999) 265-290. [[Ref#:303]]
- Johnson, A.J. and M. Peterschmidt. 2005. *Effects of small-scale gold dredging on arsenic, copper, lead, and zinc concentrations in the Similkameen River*. Washington State Dept. of Ecology Waterbody No. WA-49-1030, Publication No. 05-03-007. [[Ref#:114]]
- Klaper, R.; C..B. Rees; P. Drevnick; D. Weber; M. Sandheinrick; M.J. Carvan. 2006. *Gene expression changes related to endocrine function and decline in reproduction in fathead minnow (Pimephales promelas) after dietary Methylmercury exposure*. *Environmental Health Perspectives*. 114(9):1337-1342. [[Ref#:504]]
- Kuwabara, J.S.; C.N. Alpers; M. Marvin-DiPasquale; B.R. Topping; J.L. Carter; A.R. Stewart; S.V. Fend; F. Parchaso; G.E. Moon; and D.P. Krabbenhoft. 2002. *Sediment-water interactions affecting dissolved-mercury distributions in Camp Far West Reservoir, California*. USGS Water Resources Investigations Report 03-4140. [[Ref#:123]]
- Marvin-DiPasquale, M. and M.H. Cox. 2007. *Legacy mercury in Alviso Slough, South San Francisco Bay, California: concentration, speciation and mobility*. U.S. Geological Survey, Open-File Report 2007-1240, 98 p. [[Ref#: 484]]
- Marvin-DiPasquale, M.; J. Agee; E. Kakouros; L.H. Kieu; J.A. Fleck; and C.N. Alpers. 2011. *The Effects of Sediment and Mercury Mobilization in the South Yuba River and Humbug Creek Confluence Area, Nevada County, California: Concentrations, Speciation and Environmental Fate. Part 2: Laboratory Experiments*. U.S. Geological Survey Open File Report 2010-1325B [[Ref#:821]]

- Marvin-DiPasquale, M.; J. Agee; R.M. Bouse; B.E. Jaffe. 2003. *Microbial cycling of mercury in contaminated pelagic and wetland sediments of San Pablo Bay, California*. Environ. Geol. 43(3):260-267. [[Ref#: 222]]
- Marvin-DiPasquale, M.; M.A. Lutz, M.E. Brigham, D.P. Krabbenhoft, G.R. Aiken, W. H. Orem, and B.D. Hall. 2009. *Mercury Cycling in Stream Ecosystems. 2. Benthic Methylmercury Production and Bed Sediment#Pore Water Partitioning*. Environ. Sci. Technol., 43 (8): 2726-2732. [[Ref#:592]]
- Matta, M.B., J. Linse, C. Cairncross, L. Francendese, and R.M. Kocan. 2001. *Reproductive and transgenerational effects of methylmercury or Aroclor 1268 on Fundulus heteroclitus*. Environmental Toxicology and Chemistry. 20(2):327-335. [[Ref#:822]]
- McCleneghan, K. ; R.E. Johnson. 1983. *Suction Dredge Gold Mining in the Mother Lode Region of California*. California Department of Fish and Game Administrative Report 83-1. [[Ref#:30]]
- McCracken, Dave. 2007. Letter sent the State Water Resources Control Board, commenting on the June 12, 2007 Suction Dredge Mining Workshop. Letter dated June 20, 2007. [[Ref#:57]]
- McDonald, D.D., C.G. Ingersoll, and T. Berger. 2000. *Development and evaluation of consensus-based sediment quality guidelines for freshwater ecosystems*. Arch Environ Contam Toxicol 39:20-31. [[Ref#:661]]
- McKee, J.E., and H.W. Wolf. 1963. *Water quality criteria (second edition)*. State Water Quality Control Board, Sacramento, California. Pub. No. 3-A. [[Ref#:823]]
- National Academy of Sciences (NAS). 1972. *Water quality criteria 1972*. A report of the Committee on Water Quality Criteria. Prepared by the National Academy of Sciences and National Academy of Engineering. [[Ref#:718]]
- Office of Environmental Health Hazard Assessment (OEHHA). 2001. *Chemicals in Fish: Consumption of Fish and Shellfish in California and the United States*. Final Report. Pesticide and Environmental Toxicology Section. Office of Environmental Health Hazard Assessment. California Environmental Protection Agency. Oakland, California. [[Ref#:315]]
- Office of Environmental Health Hazard Assessment (OEHHA). 2008. *Development of fish contaminant goals and advisory tissue levels for common contaminants in California sport fish: chlordane, DDTs, dieldrin, Methylmercury, PCBs, selenium, and toxaphene*. Pesticide and Environmental Toxicology Section. Office of Environmental Health Hazard Assessment. California Environmental Protection Agency. Oakland, California. [[Ref#:333]]
- Ohyama, et al. 2004. Distribution of Polychlorinated Biphenyls and Chlorinated Pesticide Residues in Trout in the Sierra Nevada. J. Environ. Qual. 33:1752-1764 [[Ref#: 824]]

- Peterson, S.A.; N.V.C. Ralston; D.V. Peck; J. Van Sickle; J.D. Robertson; V.L. Spate; and J.S. Morris. 2009. *How might selenium moderate the toxic effects of mercury in stream fish of the Western U.S.?* Environ. Sci. Technol. 2009, 43:3919-3925. [[Ref#:825]]
- Prussian, A., T. Royer, and W. Minshall. 1999. Impact of suction dredging on water quality, benthic habitat, and biota in the Fortymile River, Resurrection Creek, and Chatanika River, Alaska. Prepared for the U.S. Environmental Protection Agency. [[Ref#:460]]
- Reed, J.P., J.M. Miller, D.F. Pence, B. Schaich. 1983. The effects of low-level turbidity on fish and their habitat. UNC-WRRI-83-190. North Carolina State University, Department of Zoology. Available at: <http://repository.lib.ncsu.edu/dr/bitstream/1840.4/1608/1/NC-WRRI-190.pdf>. Accessed August 12, 2010. [[Ref#:341]]
- Royer, T.V.; A.M. Prussian; and G.W. Minshall. 1999. *Impact of suction dredging on water quality, benthic habitat, and biota in the Fortymile River and Resurrection Creek, Alaska. Final report.* [[Ref#:109]]
- San Francisco Estuary Institute (SFEI). Regional Monitoring Program (RMP) sediment mercury data for San Pablo Bay. Site accessed August 16, 2010. Available: <<http://www.sfei.org/tools/wqt>> [[Ref#:366]]
- Scudder, B.C.; L.C. Chasar; D.A. Wentz; N.J. Bauch; M.E. Brigham; P.W. Moran; D.P. Krabbenhoft. 2009. *Mercury in fish, bed sediment, and water from streams across the United States, 1998–2005.* USGS Investigations Report 2009–5109. [[Ref#:756]]
- Sierra Fund. 2009. *Compliance with suction dredge mining law on federal land in the Sierra Nevada.* July 15, 2009. [[Ref#:648]]
- Silva, Michael. 1986. *Placer Gold Recovery Methods.* California Department of Conservation-Division of Mines and Geology. Special Publication 87. [[Ref#:781]]
- Slotton, D.G.; S.M. Ayers; T.H. Suchanek; R.D. Weyland; A.M. Liston; C. Asher; D.C. Nelson; and B. Johnson. 2003. *The effects of wetland restoration on the production and bioaccumulation of methylmercury in the Sacramento-San Joaquin Delta, California.* [[Ref#:826]]
- Smith, L.L, R.H. Kramer, J.C. Macleod. 1965. *Effects of pulpwood fibers on fathead minnows and walleye fingerlings.* Journal of the Water Pollution Control Federation 37: 130-140. January [[Ref#:820]]
- Somer, W. L., and T. J. Hassler. 1992. Effects of suction-dredge gold mining on benthic invertebrates in a northern California stream. N. Am. J. Fish. Manage. 12:244-252. [[Ref#:39]]
- State Water Resources Control Board (SWRCB). 2003. *2002 California 305(b) report on water quality.* August. Available online at: <http://www.swrcb.ca.gov/water_issues/programs/tmdl/305b.shtml> [[Ref#:426]]
- State Water Resources Control Board (SWRCB). 2008. *Cyanobacteria in California Recreational Water Bodies. Providing Voluntary Guidance about Harmful Algal Blooms,*

- Their Monitoring, and Public Notification. Prepared by Blue Green Algae Work Group of the State Water Resources Control Board, Department of Public Health, and Office of Environmental Health and Hazard Assessment. Draft. (September). Available at: <http://www.waterboards.ca.gov/water_issues/programs/bluegreen_algae/docs/bga_volguidance.pdf>. Accessed August 12, 2010. [[Ref#: 442]]
- State Water Resources Control Board (SWRCB). 2010. Staff Report, 2010 Integrated Report, Clean Water Act Sections 303(d) and 305(b). April. Available: <http://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2010.shtml>. Accessed April 22, 2010. [[Ref#: 470]]
- Stern, G. 1988. *Effects of suction dredge mining on anadromous salmonid habitat in Canyon Creek, Trinity County, California*. A thesis presented to the faculty of Humboldt State University in partial fulfillment of the requirements for the Degree of Master of Science. [[Ref#: 41]]
- Stewart, A.R.; M.K. Saiki; J.S. Kuwabara; C.N. Alpers; M. Marvin-DiPasquale; and D.P. Krabbenhoft. 2008. *Influence of plankton mercury dynamics and trophic pathways on mercury concentrations of top predator fish of a mining-impacted reservoir*. Can. J. Fish. Aquat. Sci. 65:2351-2366. [[Ref#:782]]
- Thomas, V. 1985. *Experimentally determined impacts of a small, suction gold dredge on a Montana stream*. North American Journal of Fisheries Management. 5:480-488. [[Ref#:44]]
- U.S. Environmental Protection Agency (EPA) 1995. Final Water Quality Guidance for the Great Lakes System. Final Rule. 40 CFR Parts 9,122,123,131,and 132. Federal Register. Vol. 60 No. 56. March 23. Rules and Regulations. [[Ref#:471]]
- U.S. Environmental Protection Agency (EPA). 2010. Basic Information. *In a nutshell: What's Mercury and why is it a concern?* Available:< <http://www.epa.gov/hg/about.htm>> [[Ref#:1056]]
- U.S. EPA 2001. *Water Quality Criterion for the Protection of Human Health: Methylmercury (Final)*. EPA-823-R-01-001. U.S. Environmental Protection Agency, Office of Water, Washington DC. [[Ref#:514]]
- U.S. Fish and Wildlife Service. 2003. Evaluation of the Clean Water Act Section 304(a) Human Health Criterion for Methylmercury: Protectiveness for Threatened and Endangered Wildlife in California. Prepared by Daniel Russell, Environmental Contaminants Divisions, Sacramento Fish and Wildlife Office. Sacramento, CA. [[Ref#: 810]]
- U.S. Forest Service (USFS). 1996. Recreational Dredging in the Nez Perce National Forest. [[Ref#: 464]]
- U.S. Geological Survey (USGS). 2005. Minerals Availability System/Mineral Information Location System. Database compiled by the former US Bureau of Mines, now archived by the USGS. [[Ref#:659]]

- Watanabe, C. 2002. *Modification of mercury toxicity by selenium: practical importance?* Tohoku J. Exp. Med. 196:71-77. [[Ref#:828]]
- Wetzel, R.G. 1983. Limnology. 2nd Ed. (pp.45-59).Saunders College Publishing. New York, N.Y. [[Ref#: 829]]
- Wood, M.L.; C.F. Foe; J. Cooke; S.J. Louie; and D.H. Bosworth. 2008. *Sacramento – San Joaquin Delta estuary TMDL for methylmercury – draft report*. CVRWQCB Staff Report. [[Ref#: 195]]
- Yardley, R.B.; J.M. Lazorchak; S.G. Paulsen. 1998. *Elemental fish tissue contamination in northeastern U.S. lakes: evaluation of an approach to regional assessment*. Environmental Toxicology and Chemistry. 17(9):1875-1884. [[Ref#:830]]

4.3 Biological Resources

- Anderson, N. H., J. R. Sedell & F. J. Triska, 1978. The role of aquatic invertebrates in processing of wood in coniferous forest streams. Am. Midl. Nat. 100: 64–82. [[Ref#: 691]]
- Barbour, M.T. 1991. Stream Surveys — The Importance Of The Relation Between Habitat Quality And Biological Condition. *Sediment and Stream Water Quality in a Changing Environment: Trends and Explanation* (Proceedings of the Vienna Symposium, August 1991) IAHS Publ. no. 203 [[Ref#: 831]]
- Beebe, T., and R. Griffiths. 2005. The amphibian decline crisis: A watershed for conservation biology? Biological Conservation, Volume 125 (3): 271-285. [[Ref#: 832]]
- Bell M. 1990. Fisheries Handbook of Engineering Requirements and Biological Criteria. Third. US Army Corps of Engineers, North Pacific Division. Portland, Oregon. pp.1~1-35~7. [[Ref#:833]]
- Bell, M. C. (1986). Fisheries handbook of engineering requirements and biological criteria. U.S. Army Corps of Engineers, North Pacific Division, Fish Passage Development and Evaluation Program Report . [[Ref#: 1059]]
- Benke, A. C., T. C. VanArsdall Jr., D. M. Gillespie, and F K. Parrish. 1984. Invertebrate productivity in a subtropical black-water river: the importance of habitat and life history. Ecol. Monogr. 54:25-63. [[Ref#: 834]]
- Bergerud A. T., R.D. Jakimchuk , D.R. Carruthers. 1984. The buffalo of the north: caribou (*Rangifer tarandus*) and human developments. Arctic. 37: 7–22. [[Ref#:835]]
- Bernell, D , et al. 2003. Recreational Placer Mining in the Oregon Scenic Waterway System. Oregon Parks and Recreation Department [[Ref#:101]]

- Beschta, R.L., W.S. Platts 1986. Morphological features of small streams: Significance and function. *Journal of the American Water Resources Association*. 22,:369–379. [[Ref#:836]]
- Bilby, R. E., and J. W. Ward. 1991. Characteristics and function of large woody debris in streams draining old-growth, clear-cut, and second-growth forests in southwestern Washington. *Can. J. Fish. Aquat. Sci.* 48:2,499-2,508. [[Ref#: 837]]
- Bilby, R.E. 1984. Removal of woody debris may affect stream channel stability. *Journal of Forestry* :609-613. [[Ref#: 513]]
- Bilski, R.L., and R.M. Coleman. 2008. The Effects of Structural Enhancement on Chinook Salmon (*Oncorhynchus tshawytscha*) Spawning Habitat. Masters thesis, Department of Biological Sciences, California State University, Sacramento. [[Ref#: 695]]
- Bisson, et al. 1987. Large woody debris in forested streams in the Pacific Northwest: past present, and future. In: Salo, E.O, and Cundy, T.W. (eds.). *Streamside management: forestry and fisheries interactions*. University of Washington, Institute of Forest Resources, Contribution No. 57. Seattle, Washington. [[Ref#: 696]]
- Bjornn, T.C., D. W. Reiser. 1991. Habitat requirements of salmonids in streams. Pages 83-138 in *Influence of forest and range management on salmonid fishes and their habitats*. American Fisheries Society Special. Publication 19. Bethesda, MD. [[Ref#: 264]]
- Boulton, A. J., S. E. Stibbe, N. B. Grimm, and S. G. Fisher. 1991. Invertebrate recolonization of small patches of defaunated hyporheic sediments in a Sonoran Desert stream. *Freshwater Biol.* 26:267-277. [[Ref#: 526]]
- Brannon, E.L. 1965. The influence of physical factors on the development and weight of sockeye salmon embryos and alevins. *Int. Pac. Salmon Fish Comm., Progr. Rep.* 12, 26 pp. [[Ref#: 698]]
- Brown, L.R., J.T. May. 2000. Macroinvertebrate assemblages on woody debris and their relationship with environmental variables in the lower Sacramento and San Joaquin River drainages, CA. *Environmental Monitoring and Assessment*. 64: 311-329. [[Ref#: 518]]
- Bunn, D., A. Mummert, M. Hoshovsky, K. Gilardi, and S. Shanks. 2007. *California Wildlife: Conservation Challenges*. Prepared by the UC Davis Wildlife Health Center for the California Department of Fish and Game. Available: <<http://www.dfg.ca.gov/wildlife/WAP/report.html>> Accessed: September 20, 2009. [[Ref#: 626]]
- Burner, C.J. and H.L. Moore. 1962. Attempts to guide small fish with underwater sound. U.S. Fish and Wildlife Service. Special Report (Fisheries). 403:1-30. [[Ref#:838]]
- California Department of Fish and Game (CDFG). 2003. *List of California Terrestrial Natural Communities Recognized by the California Natural Diversity Database, September 2003 Edition* Accessed May 28, 2010. Available: <<http://www.dfg.ca.gov/biogeodata/vegcamp/pdfs/natcomlist.pdf>> [[Ref#:839]]

- California Department of Fish and Game (CDFG). 2010. CNDDDB Newsletter, September 2010. Biogeographic Data Branch, Department of Fish and Game. Accessed on October 27, 2010. Available: <http://www.dfg.ca.gov/biogeodata/cnddb/pdfs/CNDDDB_News_Sep_2010.pdf> [[Ref#:1060]]
- California Invasive Plant Council (Cal-IPC). 2010. Definition of Invasive Plants. Accessed on September 5, 2010. Available: <<http://www.cal-ipc.org/ip/inventory/index.php#definitions>> [[Ref#:840]]
- California Native Plant Society (CNPS). 2010. Ranking system web page. Accessed on May 28, 2010. Available: <<http://www.cnps.org/cnps/rareplants/ranking.php>> [[Ref#:841]]
- Campbell, E.A. And P.B. Moyle. 1992. Effects of temperature, flow, and disturbance on adult spring-run Chinook salmon. Univ. of Calif. Water Resources Center Tech. Completion Rept W-764. Dept. of Wildlife and Fisheries Biology, U.C. Davis, Davis CA. 39 p. [[Ref#:225]]
- Center for Plant Conservation (CPC). 2010. Plant Profile : *Pogogyne clareana*. Accessed on May 28, 2010. Available: <http://www.centerforplantconservation.org/collection/cpc_viewprofile.asp?CPCNum=3552> [[Ref#: 842]]
- Cooper, A.C. 1965. The effects of transported stream sediments on survival of sockeye and pink salmon eggs and alevins. Int. Pac. Salmon Fish. Comm. Bull. No. 18. [[Ref#: 700]]
- Crispin, V., R. House, and D. Roberts. 1993. Changes in instream habitat, large woody debris, and salmon habitat after the restructuring of a coastal Oregon stream. N. Am. J. Fish. Manage. 43: 96-102. [[Ref#: 701]]
- Crowder, L. B., D. D. Squires, and J. A. Rice. 1997. Nonadditive effects of terrestrial and aquatic predators on juvenile estuarine fish. Ecology, 78: 1796–1804 (1997). [[Ref#: 844]]
- Cushman, S. 2006. Effects of habitat loss and fragmentation on amphibians: A review and prospectus. Biological Conservation 128:231-240. [[Ref#: 845]]
- Davidson, J., J. Bebak, and P. Mazik. 2009. The effects of aquaculture production noise on the growth, condition factor, feed conversion, and survival of rainbow trout, *Oncorhynchus mykiss*. Aquaculture 288:337–343. [[Ref#: 846]]
- Daykin P. 1965. Application of mass transport theory to the problem of respiration of fish eggs. Journal of the fisheries Research Board of Canada. 22: 159-170. [[Ref#: 702]]
- De Goeij, P., P. C. Luttikhuisen, J. Van der Meer, and T. Piersma. 2001. Facilitation on an intertidal mudflat: the effect of siphon nipping by flatfish on burying depth of the bivalve *Macoma balthica*. Oecologia, 126: 500–506 (2001). [[Ref#: 847]]

- Del Frate G. G., Spraker T. H. 1991. Moose vehicle interactions and an associated public awareness program on the Kenai Peninsula. *Alces*. 27: 1-7. [[Ref#: 848]]
- Duncan, N. 2005. editor. Conservation Assessments for Mollusk Species associated with springs and spring runs: *Fluminicola* new species 2, 3, 11; *Vorticifex klamathensis sinitsini*; *Juga (Oreobasis)* new species 2; and *Lyogyrus* new spp. 1 v. 2.0. by Joseph L. Furnish, USDA Forest Service, San Francisco, California and Roger W. Monthey USDI Bureau of Land Management Salem, Oregon December 1998. USDA Forest Service Region 6 and USDI Bureau of Land Management, Oregon and Washington. 18 pp. [[Ref#: 849]]
- Ebersole J.L., W.J. Liss , and C.A. Frissell. 2001. Relationship between stream temperature, thermal refugia and rainbow trout *Oncorhynchus mykiss* abundance in arid-land streams in the northwestern United States. *Ecology of Freshwater Fish* 10:1-10. [[Ref#: 850]]
- Ellison, L.N. and L. Cleary. 1978. Effects of human disturbance on breeding of double-crested cormorants. *The Auk* 95: 510-517. July. [[Ref#:851]]
- Elwell, L. C. 2009. *Dealing with Didymo*. Accessed on September 5, 2010. Available: <http://www.dnr.state.md.us/invasives/Didymo_Flyfisher_Article.pdf> [[Ref#: 852]]
- Everest, F.H., and W.R. Meehan. 1981. Forest Management and Anadromous Fish Habitat Productivity. In Transactions of the 46th North American Wildlife and Natural Resources Conference, pp. 521-530. Wildlife Management Institute, Washington, DC. [[Ref#: 707]]
- Everest, F.H., R.L. Beschta, J.C. Schrivener, K.V. Koski, J.R. Sedell, and C.J. Cederholm. 1987. Chapter 4. Fine sediment and salmonid production: A paradox. *In*: Salo, E.O., T.W. Cundy, editors. [[Ref#: 853]]
- Fausch, K. D., and T. G. Northcote. 1992. Large, woody debris and salmonid habitat in a small coastal British Columbia stream. *Can. J. Fish. Aquat. Sci.* 49:682-693. [[Ref#:854]]
- Fausch, K.D., C.E. Torgersen, C. V. Baxter, and H.W. Li. 2002. Landscapes to Riverscapes: Bridging the Gap between Research and Conservation of Stream Fishes *BioScience* 52(6):483-498. [[Ref#: 855]]
- Feist, B.E., and J.J. Anderson. 1991. Review and design criteria of behavioral fish guidance systems. University of Washington, School of Fisheries – FRI Report. FRI-UW-9102. [[Ref#: 856]]
- Feist, B.E., J.J. Anderson and R. Miyamoto. 1992. Potential impacts of pile driving on juvenile pink (*Oncorhynchus gorbuscha*) and chum (*O. keta*) salmon behavior and distribution. University of Washington School of Fisheries and University of Washington Applied Physics Laboratory. 66 pp. [[Ref#: 260]]
- Flamarique, I.N., and W.L. Harrower. 1999. Mortality of sockeye salmon raised under light backgrounds of different spectral composition. *Environmental Biology of Fishes*, 55:279-293. [[Ref#: 857]]

- Flebbe, P.A. and C.A. Dolloff. 1995. Trout use of woody debris and habitat in Appalachian wilderness streams of North Carolina. *North American Journal of Fisheries Management* 15:579-590. [[Ref#: 858]]
- Fore, L.S., J.R. Karr, and R.W. Wisseman. 1996. Assessing invertebrate responses to human activities: Evaluating alternative approaches. *J.N. Am. Benthol. Soc.* 15:212-231. [[Ref#: 708]]
- Fowler G. S. 1999. Behavioral and hormonal responses of Magellanic penguins (*Spheniscus magellanicus*) to tourism and nest site visitation. *Biological Conservation*. 90: 143-149 [[Ref#: 859]]
- Fowler, R.T., and R.G. Death. 2001. The effect of environmental stability on hyporheic community structure. *Hydrobiologia*. 444: 85-95. [[Ref#: 860]]
- Frest, T.J. and E.J. Johannes 1999. Freshwater Mollusks of the Upper Klamath Drainage, Oregon. Prepared for Oregon Natural Heritage Program, Portland, OR. [[Ref#: 861]]
- Frid A., and L. Dill. 2002. Human-caused disturbance stimuli as a form of predation risk. *Conserv. Ecol.*, 6(1) Available: < <http://www.consecol.org/vol6/iss1/art11>.> [[Ref#: 862]]
- Frissell, C. A., and R. K. Nawa. 1992. Incidence and causes of physical failure of artificial habitat structures in streams of western Oregon and Washington. *North American Journal of Fisheries Management* 12:182-197. [[Ref#: 863]]
- Gallagher, A. S. 1999. Barriers. Pages 135-147 in Bain, M. B. and N. J. Stevenson, eds. *Aquatic habitat assessment: Common methods*. American Fisheries Society, Bethesda, MD. [[Ref#: 1061]]
- Garman, G.C. 1991. Use of terrestrial arthropod prey by a stream-dwelling cyprinid fish. *Environmental Biology of Fishes* 30: 325-331. [[Ref#: 864]]
- Garton, E.O., Bowen, C.W., and Foin, T.C. 1977. The impact of visitors on small mammal communities of Yosemite National Park, in *Visitor impacts on National Parks: the Yosemite ecological impact study*, Foin, T.C. (ed), Institute of Ecology, University of California, California. [[Ref#: 865]]
- Gates, K.K., C.S. Guy, A.V. Zale, and T.B. Horton. 2008. Adherence of whirling disease myxospores to waders: implications for disease dissemination. *North American Journal of Fisheries Management* 28:1453-1458. [[Ref#: 866]]
- Geist, D.R., T.P. Hanrahan, E.V. Arntzen, G. A. McMichael, C.J. Murray, and Yi-Ju Chien. 2002. Physicochemical Characteristics of the Hyporheic Zone Affect Redd Site Selection by Chum Salmon and Fall Chinook Salmon in the Columbia River. *North American Journal of Fisheries Management* 22: 1077-1085 [[Ref#: 867]]
- Gillespie, G. 2002. Impacts of sediment loads, tadpole density, and food type on the growth and development of tadpoles of the spotted tree frog *Litoria spenceri*: an in-stream experiment. *Biological Conservation*. 106(2): 141-150. [[Ref#: 379]]

- Goodrich J. M., Berger J. 1994. Winter recreation and hibernating black bears *Ursus americanus*. Biological Conservation. 67: 105–110. [[Ref#: 868]]
- Griffith, J.S. and D.A. Andrews. 1981. Effects of a Small Suction Dredge on Fishes and Aquatic Invertebrates in Idaho Streams. North American Journal of Fisheries Management. 1(1): 21-28. January. [[Ref#: 108]]
- Gurnell, A.M., H. Piegay, F.J. Swanson, and S.V. Gregory. 2002. Large Wood and Fluvial Processes. Freshwater Biology. 47: 601-619. [[Ref#: 869]]
- Hall, S. J. and M. J. C. Harding. 1997. Physical Disturbance and Marine Benthic Communities: The Effects of Mechanical Harvesting of Cockles on Non-Target Benthic Infauna. Journal of Applied Ecology. 34(2): 497-517. April. [[Ref#: 234]]
- Harvey, B. C. 1986. Effects of suction gold dredging on fish and invertebrates in two California streams. N. Am. J. Fish. Manage. 6:401-409. [[Ref#: 106]]
- Harvey, B. C. and T. E. Lisle. 1998. Effects of suction dredging on streams: a review and an evaluation strategy. Fisheries. 23:8. [[Ref#: 103]]
- Harvey, B. C. and T. E. Lisle. 1999. Scour of Chinook Salmon Redds on Suction Dredge Tailings. N. Am. J. Fish. Manage. 19: 613-617. [[Ref#: 104]]
- Harvey, B. C., and A. J. Stewart. 1991. Fish size and habitat depth relationships in headwater streams. Oecologia. 87:336-342. [[Ref#: 870]]
- Hassler, T J., W. L. Somer, and G. R. Stern. 1986. Impacts of suction dredge mining on anadromous fish, invertebrates, and habitat in Canyon Creek, California. California Cooperative Fishery Research Unit. Humboldt State University. Arcata, CA. [[Ref#: 23]]
- Hausel, D. A., and D. W. Coble. 1976. Influence of sand in redds on survival and emergence of brook trout (*Salvelinus fontinalis*). Transactions of the American Fisheries Society 105:57–63. [[Ref#: 24]]
- Hax, C.L. and S. W. Golladay. 1998. Flow Disturbance of Macroinvertebrates Inhabiting Sediments and Woody Debris in a Prairie Stream. The American Midland Naturalist. 139(2): 210-223. [[Ref#: 226]]
- Hering, G. 1968. Avoidance of acoustic stimuli by herring. Int. Counc. Explor. Sea C.M. (H 18). 8 p. [[Ref#: 871]]
- Hester, E.T., M.W. Doyle, and G. C. Poole. 2009. The influence of in-stream structures on summer water temperatures via induced hyporheic exchange. Limnology and Oceanography 54(1):355–367. [[Ref#: 872]]
- Hoff, K., A. Blaustein, R. McDiamid and R. Altig. 1999. Behavior: interactions and their consequences. In Tadpoles; the biology of Anuran larvae. Edited by McDiamid, R. and R. Altig. The University of Chicago Press. 444 pp. [[Ref#: 873]]

- Holtby, L.B., and M.C. Healey. 1986. Selection for adult size in female coho salmon (*Oncorhynchus kisutch*). *Can. J. Fish. Aquat. Sci.* 43: 1946-1959. [[Ref#: 715]]
- Hose, G.C., P. Jones, and R.P. Lim. 2005. Hyporheic macroinvertebrates in riffle and pool areas of temporary streams in south eastern Australia. *Hydrobiologia* 532: 81-90. [[Ref#: 874]]
- House, R. and P. Boehne. 1985. Evaluation of instream enhancement structures for salmonid spawning and rearing in a coastal Oregon stream. *North American Journal of Fisheries Management* 5:283-295. [[Ref#: 875]]
- Ilarri, M.I.; Allan Tainá de Souza; Paulo Roberto de Medeiros; Renato Grotta Gempel; Ierecê Maria de Lucena Rosa. 2008. Effects of tourist visitation and supplementary feeding on fish assemblage composition on a tropical reef in the Southwestern Atlantic. *Neotropical Ichthyology* 6(4). [[Ref#: 876]]
- Ingólfsson, Ó. A., Soldal, A. V., Huse, I., and Breen, M. 2007. Escape mortality of cod, saithe, and haddock in a Barents Sea trawl fishery. – *ICES Journal of Marine Science*, 64: 000-000. [[Ref#: 1074]]
- James A. R. C., A.K. Stuart-Smith. 2000. Distribution of caribou and wolves in relation to linear corridors. *Journal of Wildlife Management*. 64: 154-159. [[Ref#: 877]]
- Johnson, C.J., M.S. Boyce, R.L. Case, H. D. Cluff, R. J. Gau, A. Gunn, and R. Mulders. 2005. Cumulative Effects of Human Developments on Arctic Wildlife. *Wildlife Monographs* 160:1-36. [[Ref#: 880]]
- Johnson, D. R. 1985. Man-caused deaths of mountain caribou in southeastern British Columbia. *Canadian Field-Naturalist*. 99: 542-544. [[Ref#: 878]]
- Johnson, D.R. and M.C. Todd. 1977. Summer use of a highway crossing by mountain caribou. *Can Field Nat* 91:312-314 [[Ref#:879]]
- Kasahara, T., and S. M. Wondzell. 2003. Geomorphic controls on hyporheic exchange flow in mountain streams. *Water Resour. Res.* 39: 1005, doi: 10.1029/2002WR001386. [[Ref#: 881]]
- Kaufmann, P.R., and R.M. Hughes. 2006. Geomorphic and Anthropogenic Influences on Fish and Amphibians in Pacific Northwest Coastal Streams. *American Fisheries Society Symposium* 48:429-455. [[Ref#: 882]]
- Keller, E. A., and Melhorn, W.N., 1978, Rhythmic spacing and origin of pools and riffles: *Geological Society of America Bulletin*, v. 89, p. 723-730. [[Ref#: 883]]
- Keller, E.A., F.J. Swanson. 1979. Effects of Large Organic Material on Channel Form and Fluvial Processes. *Earth Surface Processes*. 4 (4): 361-380. [[Ref#: 512]]
- Kerley L. L., J. M. Goodrich, D. G. Miquelle, E. N. Smirnov, H. B. Quigley, M. G. Hornocker. 2002. Effects of roads and human disturbance on Amur tigers. *Conservation Biology*. 97-108. [[Ref#: 884]]

- Kim, J.H. 2006. Flow structure and air entrainment in riparian riffles in Seomjin River. Page 109-118 *In* Ip and Park (Eds.) *Advances in Geosciences Vol. 6: Hydrological Science*. [[Ref#: 885]]
- Knapp, R. A., and T. L. Dudley. 1990. Growth and longevity of golden trout, *Oncorhynchus aguabonita*, in their native streams. *California Fish and Game* 76:161-173 [[Ref#: 1062]]
- Knight, R., S. Skagen. 1986. Effects of Recreational Disturbance on Birds of Prey: A review. *Proceedings of the Southwest Raptor Management Symposium and Workshop*. [[Ref#: 383]]
- Kondolf, G. M., J. C. Vick, and T. M. Ramirez. 1996. Salmon spawning habitat rehabilitation on the Merced River, California: an evaluation of project planning and performance. *Transactions of the American Fisheries Society* 125:899-912. [[Ref#: 886]]
- Krueger, K., et.al. 2007. Some Effects of Suction Dredge Placer Mining on the Short-term Survival of Freshwater Mussels in Washington. *Northwest Science*. 81(4): 323-332. [[Ref#: 887]]
- Kupferberg, S., A. Lind, J. Mount, and S. Yarnell. 2009. Pulsed Flow Effects on the Foothill Yellow-legged Frog (*Rana boylei*): Integration of Empirical, Experimental and Hydrodynamic Modeling Approaches. Final Report. California Energy Commission, PIER Publication Number TBD. December 31. [[Ref#: 386]]
- LaGory, Kirk; Chang, Young-Soo; Reeves, Timothy; Liebich, Richard; Smith, Karen. 2001. A study of the effects of gas well compressor noise on breeding bird populations of the Rattlesnake Canyon Habitat Management Area, San Juan County, NM. June 2001: Report DOE/BC/W-31-109-ENG-38-10. US Department of Energy. 81 p. [[Ref#: 888]]
- Leopold, L.B., Wolman, M.G., and Miller, J.P. 1964. *Fluvial processes in geomorphology*. W.H. Freeman & Co., San Francisco, Calif. [[Ref#: 889]]
- Lind, A.J., H.H. Welsh, Jr., and R.A. Wilson. 1996. The effects of a dam on breeding habitat and egg survival of the foothill yellow-legged frog (*Rana boylei*) in Northwestern California. *Herpetological Review* 27: 62-67. [[Ref#: 890]]
- Linnell J. D. C., Swenson J. E., Andersen R., Barnes B. 2000. How vulnerable are denning bears to disturbance? *Wildlife Society Bulletin*. 28: 400-413. [[Ref#: 891]]
- Lisle TE, Lewis J. 1992. Effects of sediment transport on survival of salmonid embryos in a natural stream: a simulation approach. *Canadian Journal of Fisheries and Aquatic Sciences* 49: 2337-2344. [[Ref#: 1075]]
- Lisle, T E. 1986a. Effects of woody debris on anadromous salmonid habitat, Prince of Wales Island, southeast Alaska. *N. Am. J. Fish. Manage.* 6:538-550. [[Ref#: 688]]
- Lodge, D.M. and P. Kelly. 1985. Habitat disturbance and the stability of freshwater gastropod populations. *Oecologia* 68 111-117. [[Ref#: 752]]

- MacArthur R. A., R.H. Johnston, V. Geist. 1979. Factors influencing heart rate in free-ranging bighorn sheep: a physiological approach to the study of wildlife harassment. *Canadian Journal of Zoology*. 57: 2010–2021. [[Ref#: 892]]
- Mackay, R. J. 1992. Colonization by lotic macroinvertebrates: a review of processes and patterns. *Can. J. Fish. Aquat. Sci.* 49:617-628. [[Ref#:538]]
- MacWilliams, M. L. Jar., J.M. Wheaton, G.B. Pasternack, R.L. Street, and P.K. Kitanidis. 2006. Flow convergence and routing hypothesis for pool-riffle maintenance in alluvial rivers, *Water Resources Research*, 42, W10427. [[Ref#: 893]]
- Malcolm, I.A., C. Soulsby, A. Youngson, D. Hannah, I.S. McLaren, and A. Thorne. 2004. Hydrological influences on hyporheic water quality: implications for salmon egg survival. *Hydrological Processes*, 18, 1543-1560. [[Ref#:894]]
- Marchand M. N., Litvaitis J. A. 2004. Effects of habitat features and landscape composition on the population structure of a common aquatic turtle in a region undergoing rapid development. *Conservation Biology*. 18: 758–767. [[Ref#: 895]]
- Marking, L.L., T.D. Bills. 1979. Effects of burial by dredge spoil on mussels. *US Fish and Wildlife Service Research Information Bulletin* 79-17. [[Ref#: 206]]
- Mayer, K.E. and W. F. Laudenslayer, Jr (Eds). 1988. *A Guide to Wildlife Habitats of California*. State of California, Resources Agency. Department of Fish and Game, Sacramento, CA. 166 pp. [[Ref#: 699]]
- Mazeaud, M.M., F. Mazeaud, and E.M. Donaldson. 1977. Primary and Secondary Effects of Stress in Fish: Some New Data with a General Review. *Transactions of the American Fisheries Society*: 106: 201-212 [[Ref#: 896]]
- McCleneghan, K. and R.E. Johnson. 1983. *Suction Dredge gold mining in the Mother Lode region of California*. Sacramento, CA. [[Ref#: 30]]
- McDiarmid, R. and R. Altig. 1999. Research. In *Tapoles: the biology of anuran larvae*. Editors, McDiarmid, R. and R. Altig. University of Chicago Press, Chicago. Xvi +144 pp. [[Ref#: 897]]
- McIntosh, B.A., J.R. Sedell, R.F. Thurrow, S.E. Clarke, and G.L. Chandler. 2000. Historical changes in pool habitats in the Columbia River basin. *Ecol. Appl.* 10: 1478–1496. [[Ref#: 722]]
- McKinley, R.S., and P.H. Patrick. 1986. Use of behavioral stimuli to divert sockeye salmon smolts at the Seton Hydro-electric Station, British Columbia, p (4-53)-(4-63). In W.C. Micheletti, [ed.] *Proceedings of the Electric Power Research Institute Conference on Fish Protection at Steam and Hydro Plants*, San Francisco. Oct. 28-30. 1987. EPRI CS/EA/AP-5663-SR, March. [[Ref#: 898]]
- Meixler, M.S., M.B. Baina, M. T. Walter. 2009. Predicting barrier passage and habitat suitability for migratory fish species. *Ecological Modeling* 220 2782–2791. [[Ref#: 899]]

- Merz, J. E. 2001. Association of fall-run Chinook salmon redds with woody debris in the lower Mokelumne River, California. *California Fish and Game* 87:51-60. [[Ref#: 900]]
- Merz, J. E., G. B. Pasternack, and J. M. Wheaton. 2006. Sediment budget for salmonid spawning habitat rehabilitation in a regulated river, *Geomorphology* 76(1-2), 207– 228. [[Ref#: 723]]
- Mitchell, C. P. 1989. Swimming performances of some native freshwater fishes. *New Zealand Journal of Marine and Freshwater Research*. 23:181-187. [[Ref#: 1063]]
- Modin, J. 1998. Whirling disease in California: A review of its history, distribution, and impacts, 1965–1997. *Journal of Aquatic Animal Health* 10:132–142 [[Ref#: 901]]
- Montgomery, D. R., J. M. Buffington, R. D. Smith, Schmidt, K. M., and G. Pess. 1995. Pool spacing in forest channels. *Water Resour. Res.* 31:1097-1105. [[Ref#: 799]]
- Montgomery, D.R., E.M. Beamer, G.R. Pess, and T.P. Quinn. 1999. Channel type and salmonid spawning distribution and abundance. *Can. J. Fish. Aquat. Sci.* 56: 377–387. [[Ref#: 902]]
- Montgomery, D.R., J.M. Buffington. 1997. Channel-reach morphology in mountain drainage basins. *GSA Bulletin* 109(5): 596–611 [[Ref#: 903]]
- Moore, H.L., and H.W. Newman. 1956. Effects of sound waves on young salmon. *USFWS Special Science Report* 172. 19 pp. [[Ref#: 904]]
- Moyle, P.B. 2002. *Inland Fishes of California*. University of California Press. [[Ref#: 542]]
- Mueller, G. 1980. Effects of recreational river traffic on nest defense by longear sunfish. *Trans. Amer. Fish. Soc.* 109(2):248-251. [[Ref#: 905]]
- Mueller, Robert P., Duane A. Neitzel, William V. Mavros. 1998. Evaluation of Low and High Frequency Sound for Enhancing Fish Screening Facilities, to Protect Outmigrating Salmonids, (DOE/BP-62611-13) to Bonneville Power Administration, Portland, OR, Contract No. DE-AI79-86BP62611, Project No. 86-118, 38 p. (BPA Report DOE/BP-62611-13) [[Ref#: 906]]
- Mullner A., K.E. Linsenmair, W. Wikelski. 2004. Exposure to ecotourism reduces survival and affects stress response in hoatzin chicks (*Opisthocomus hoazin*). *Biological Conservation*. 118: 549–558. [[Ref#: 907]]
- Mundie, J.H. 1974. Optimization of the salmonid nursery stream. *J. Fish. Res. BD Can.* 31: 1827-1837 [[Ref#: 726]]
- Murphy, K., N.J. Willby, and J.W. Eaton. 1995. Ecological impacts and management of boat traffic on navigable inland waterways. In: *The Ecological Basis for River Management* (eds D.M. Harper and A.J. D. Ferguson), pp. 427-442. John Wiley and Sons Ltd, Chichester. [[Ref#: 908]]

- Nakano, S., and M. Murakami. 2001. Reciprocal subsidies: Dynamic interdependence between terrestrial and aquatic food webs'. *Proceedings of the National Academy of Sciences of the United States of America* 98:166-170. [[Ref#: 909]]
- Nielsen, J. L., T. E. Lisle, and V. Ozaki. 1994. Thermally stratified pools and their use by steelhead in northern California streams. *Trans. Am. Fish. Soc.* 123:613-626. [[Ref#: 300]]
- North, A. P. 1993. A Review of the regulations and literature regarding the environmental impacts of suction gold dredges. U.S. Environmental Protection Agency, Region 10, Alaska Operations Office. [[Ref#: 34]]
- Nussbaum, R.A., E.D. Brodie, and R.M. Storm. 1983. *Amphibians and Reptiles of the Pacific Northwest*. Moscow, Idaho: University Press of Idaho, 1983 [[Ref#: 1077]]
- Olsen, K. 1976. Evidence for localization of sound by fish in schools. In: *Sound reception in fish* (Edited by Schuijf A. & Hawkins A. D.), pp. 257-270 [[Ref#:910]]
- Padgett-Flohr, G. and R. Hopkins. 2009. *Batrachochytrium dendrobatidis*, a novel pathogen approaching endemism in Central California. *Dis. Of Aquatic Org.* Vol. 83:1-9. [[Ref#: 911]]
- Pasternack, G.B., M.K. Bounrisavong, K.K. Parikh. 2008. Backwater control on riffle-pool hydraulics, fish habitat quality, and sediment transport regime in gravel-bed rivers. *Journal of Hydrology* 357:125-139. [[Ref#: 912]]
- Pennak, R. W., 1989. *Coelenterata. Fresh-water Invertebrates of the United States: Protozoa to Mollusca*, 3rd edition. John Wiley and Sons, Inc., New York, pp. 110-127. [[Ref#: 913]]
- Pennsylvania Fish and Boat Commission. 2009. Annual Report to the Pennsylvania House of Representatives Game and Fisheries Committee, Presented by Douglas J. Austen, Ph.D. Executive Director. February. Accessed on September 5, 2010. Available: <<http://www.fish.state.pa.us/promo/annualreport/hgfc/2009hgfc.pdf>> [[Ref#: 914]]
- Powers, P. D. and J. F. Orsborn. 1985. Analysis of Barriers to Upstream Fish Migration - An Investigation of the Physical and Biological Conditions Affecting Fish Passage Success at Culverts and Waterfalls. Final Project Report Part 4 of 4. Report to Bonneville Power Administration. Albrook Hydraulics Laboratory, Washington State University, Pullman, Washington. [[Ref#: 1064]]
- Prussian, A.M., T.V. Royer, and G. Wanye Minshall. 1999. Impact of suction dredging on water quality, benthic habitat, and biota in the Fortymile River, Resurrection Creek, and Chatanika River, Alaska. Suction Dredge Study. Prepared for the U.S. Environmental Protection Agency, Region 10. Final Report June 1999 [[Ref#: 460]]
- Ralph, S. C., G. C. Poole, L. L. Conquest, and R. J. Naiman. 1994. Stream channel morphology and woody debris in logged and unlogged basins of western Washington. *Can. J. Fish. Aquat. Sci.* 51:37-51. [[Ref#: 915]]

- Reiser, D. W. and R. T. Peacock. 1985. A technique for assessing upstream fish passage problems at small-scale hydropower developments. Pages 423-432 in F. W. Olsen, R. G. White, and R. H. Hamre, editors. Symposium on small hydropower and fisheries. American Fisheries Society, Western Division, Bethesda, Maryland. [[Ref#: 1065]]
- Rich A. C., D.S. Dobkin, L.J. Niles. 1994. Defining forest fragmentation by corridor width: the influence of narrow forest-dividing corridors on forest-nesting birds in southern New Jersey. *Conservation Biology*. 8: 1109–1121. [[Ref#: 916]]
- Richards, S.J. 2002. Influence of flow regime on habitat selection by tadpoles in an Australian rainforest stream. *Journal of Zoology* 257(2): 273-279. [[Ref#: 917]]
- Roberts, B. C., and R. G. White. 1992. Effects of angler wading on survival of trout eggs and pre-emergent fry. *N. Amer. J. Fish. Manage.*, 12: 450–459. [[Ref#: 469]]
- Robinson, C.T. and S.R. Rushforth. 1987. Effects of physical disturbance and canopy cover on attached diatom community structure in an Idaho stream. *Hydrobiologia* 154:49-59. [[Ref#: 1076]]
- Robinson, C.T., G. W. Minshall. 1986. Effects of Disturbance Frequency on Stream Benthic Community Structure in Relation to Canopy Cover and Season. The North American Benthological Society. [[Ref#: 244]]
- Rodríguez-Prieto, I. & E. Fernández-Juricic. 2005. Effects of direct human disturbance on the endemic Iberian frog *Rana iberica* at individual and population levels. *Biological Conservation* 123: 1-9. [[Ref#: 918]]
- Royer, T., A. Prussian, G.W. Minshall. 1999. Impact of suction dredging on water quality, benthic habitat, and biota in the Fortymile River and Resurrection Creek, Alaska. Final. April. [[Ref#: 109]]
- Sawyer, A.M., G.B. Pasternack, H.J. Moir, and A.A. Fulton. 2010. Riffle-pool maintenance and flow convergence routing observed on a large gravel-bed river. *Geomorphology* 114:143-160. [[Ref#: 919]]
- Sedell, J. R.; F.H. Everest, F.J. Swanson. 1982. Fish habitat and streamside management: past and present. In: *Proceedings of the Society of American Foresters Annual Meeting*. Society of American Foresters: 244-255. [[Ref#: 731]]
- Shumway D.L., C.E. Warren, P. Doudoroff. 1964. Influence of oxygen concentration and water movement on the growth of steelhead trout and coho salmon embryos. *Transactions of the American Fisheries Society* 93: 342–356. [[Ref#: 302]]
- Sih, A., G. Englund, and D. Wooster. 1998. Emergent impacts of multiple predators on prey. *Trends Ecol. Evol.*, 13: 350–355. [[Ref#: 920]]
- Silver, S.J., C.E. Warren, P. Doudoroff. 1963. Dissolved oxygen requirements of developing steelhead trout and Chinook salmon embryos at different water velocities. *Transactions of the American Fisheries Society*. 92(4):327-343. [[Ref#: 38]]

- Simon, A., Pollen, N., and Langendoen, E. 2006. Influence of two woody riparian species on critical conditions for streambank stability: Upper Truckee River, California. *Journal, American Water*. [[Ref#: 1066]]
- Smith, R. D., R.C. Sidle, P.E. Porter, J.R. Noel. 1993: Effects of experimental removal of woody debris on the channel morphology of a forest, gravel-bed stream. *Journal of Hydrology* 152: 153-178. [[Ref#: 734]]
- Spence, et al. 1996. An Ecosystem Approach to Salmonid Conservation. TR-4501-96-6057. [[Ref#: 628]]
- Stern, G. R. 1988. Effects of suction dredge mining on anadromous salmonid habitat in Canyon Creek, Trinity County, California. M.S. Thesis, Humboldt State University, Arcata, California, 80 pp. [[Ref#: 41]]
- Stevenson, R. J. 1991. Benthic algal community dynamics in a stream during and after a spate. *J. N. Am. Benthol. Soc.* 9:277-288. [[Ref#: 921]]
- Stevenson, R. J., and C. G. Peterson. 1991. Emigration and immigration can be important determinants of benthic diatom assemblages in streams. *Freshwater Biol.* 26:279-294. [[Ref#: 922]]
- Sundbaum, K. and I. Näslund. 1998. Effects of woody debris on the growth and behaviour of brown trout in experimental stream channels. *Canadian Journal of Zoology* 76: 56-61. [[Ref#: 923]]
- Suttle, K., M.E. Power, J.M. Levine, and C. McNeely. 2004. How fine sediment in river beds impairs growth and survival of juvenile salmonids. *Ecological Applications*. 14(4): 969-974. [[Ref#: 295]]
- Sweet, S.S. 1992. Initial report on the ecology and status of the Arroyo toad (*Bufo microscaphus californicus*) on the Los Padres National Forest of southern California, with management recommendations. Report to the U.S. Forest Service, Los Padres National Forest. University of California, Santa Barbara. [[Ref#: 43]]
- Sweet, S.S. 2007. Letter to California Department of Fish and Game. University of California, Santa Barbara. Santa Barbara, CA. 2 pp. [[Ref#: 479]]
- Tank, J. L., and M. J. Winterbourn. 1996. Microbial activity and invertebrate colonisation of wood in a New Zealand forest stream. *New Zeal. J. Mar. Fresh. Res.* 30:271-280. [[Ref#: 924]]
- Taylor, D. W. 1981. Freshwater mollusks of California: A distributional checklist. *California Fish and Game* 67:140-163. [[Ref#: 925]]
- Thomas, V.G. 1985. Experimentally determined impacts of a small, suction gold dredge on a Montana stream. *N. Am. J. Fish. Manage.* 5:480-488. [[Ref#: 44]]
- Torgersen, C.E., D.M. Price, H.W. Li, and B.A. McIntosh. 1995. Thermal refugia and chinook salmon habitat in Oregon: Applications of airborne thermal videography. In:

- Proceedings of the 15th Biennial Workshop on Color Photography and Videography (P. Mausel, ed.), pp. 167-171, American Society for Photogrammetry and Remote Sensing, Terre Haute, IN. [[Ref#: 926]]
- Twisk, W., M. Noodervleit and W. Keurs. 2000. Effects of ditch management on caddisfly, dragonfly and amphibian larvae in intensively farmed peat areas. *Aquatic Ecology* 34: 397-411. [[Ref#: 927]]
- U. S. Geological Survey (USGS). 2010. National Hydrography Database [GIS database]. Denver, Colorado:< <http://nhd.usgs.gov/index.html>> Shapefiles “nhd_peren_nolakes” for lotic waterbodies, and “nhdgtqtracre” for lentic waterbodies. [January 25th, 2010]. [[Ref#:928]]
- U.S. Environmental Protection Agency and U.S. Army Corps of Engineers (USEPA-USACE). 2008. Clean Water Act Jurisdiction Following the U.S. Supreme Court's Decision in *Rapanos v. United States* & *Carabell v. United States*. Guidance Memorandum dated December 02, 2008. [[Ref#: 929]]
- U.S. Environmental Protection Agency. 1999. Protocol for Developing Sediment TMDLs. EPA 841-B-99-004. Office of Water (4503F), United States Environmental Protection Agency, Washington D.C. 132 pp [[Ref#: 1067]]
- U.S. Fish and Wildlife Service (USFWS). 1999. Arroyo southwestern toad (*Bufo microscaphus californicus*) recovery plan. U.S. Fish and Wildlife Service, Portland, Oregon. vi + 119 pp. [[Ref#: 1068]]
- U.S. Fish and Wildlife Service (USFWS). 2002. Recovery Plan for the California Red-legged frog (*Rana aurora draytonii*). U.S. Fish and Wildlife Service, Portland, Oregon. viii + 173 pp. [[Ref#: 750]]
- U.S. Forest Service (USFS). 2001. Suction Dredging Activities Operating Plan Terms and Conditions for Programmatic Approval of Suction Dredge Operations. Draft Environmental Impact Statement. Siskiyou National Forest, Coos, Curry and Josephine Counties, Oregon and Del Norte County, California. December. [[Ref#: 435]]
- U.S. Forest Service (USFS). 2007. Letter to California Department of Fish and Game for the public notice of October 19, on information on suction dredge mining. Prepared by Randy Moore, Regional Forester, Pacific Southwest Region. December 27. [[Ref#: 748]]
- U.S. Forest Service (USFS). 2009. Supplemental EIR on Small-Scale Suction Dredging in Lolo Creek and Moose Creek. Clearwater National Forest. August. [[Ref#:757]]
- Utlisch, G. D. Bradford and J. Freda. 1999. Physiology: Coping with the Environment. In *Tadpoles; the biology of Anuran larvae*. Edited by McDiarmid, R. and R. Altig. The University of Chicago Press. 444 pp. [[Ref#: 931]]
- VanDerwalker, J.G. 1967. Response of salmonids to low frequency sound. In: W.N. Tavolga (editor). *Marine bio-acoustics*, Vol. 2, Pergamon Press. New York. [[Ref#: 932]]

- Vaux, W.F. 1962. Interchange of stream and intragravel water in a salmon spawning riffle: U.S. Fish and Wildlife Service, Special Scientific Report-Fisheries, no. 405, 11 p. [[Ref#: 933]]
- Warren, D.R. and C.E. Kraft. 2006. Invertebrate community and stream substrate responses to woody debris removal from an ice-storm-impacted stream system, NY USA. *Hydrobiologia* 568:477-488. [[Ref#:740]]
- Webb, P.W. 1978. Hydrodynamics and Energetics of Fish Propulsion. Bulletin 190. Research Board of Canada, Ottawa, Ontario [[Ref#: 1072]]
- Webb, P.W. 1995. Locomotion. Pp. 69-100 in *Physiological Ecology of Pacific Salmon*, C. Groot, L. Margolis, and W.C. Clark (eds.). UBC Press, Vancouver, BC. [[Ref#: 934]]
- Welsh, Jr., H. and L. Ollivier. 1998. Stream Amphibians as Indicators of Ecosystem Stress: A Case Study from California's Redwoods. *Ecological Applications*. 8(4): 1118-1132. [[Ref#: 385]]
- Wheeler, C. A, and H. H. Welsh, Jr. 2008. Mating strategy and breeding patterns of the foothill yellow-legged frog (*Rana boylei*). *Herpetological Conservation and Biology*, 3(2):128-142. [[Ref#: 935]]
- White C. M., T.L. Thurow. 1985. Reproduction of ferruginous hawks exposed to controlled disturbance. *Condor*. 87: 14-22 [[Ref#: 936]]
- Whittaker, R. 1998. *Island Biogeography: Ecology, Evolution and Conservation*. Oxford University Press. 285pp. [[Ref#: 937]]
- Wilkie D., E. Shaw, F. Rotberg, G. Morelli, P. Auzel. 2000. Roads, development, and conservation in the Congo basin. *Conservation Biology*. 14: 1614-1622. [[Ref#: 938]]
- Wilkins, R.N. and N.P Peterson. 2000. Factors related to amphibian occurrence and abundance in headwater streams draining second growth Douglas-fir forests in southwestern Washington. *Forest Ecology and Management*, 139, 79-91. [[Ref#: 939]]
- Wondzell, S.M., J. LaNier, R. Haggerty, R.D. Woodsmith, and R.T. Edwards. 2009. Changes in hyporheic exchange flow following experimental wood removal in a small, low-gradient stream, *Water Resources Research*, 45, W05406, DOI:10.1029/2008WR007214. [[Ref#: 940]]
- Wright K.K., J.L. Li. 1998. Effects of recreational activities on the distribution of *Dicosmoecus gilvipes* in a mountain stream. *Journal of the North American Benthological Society*: Vol. 17, No. 4 pp. 535-543 [[Ref#: 745]]
- Zeiner, D.C., W.F. Laudenslayer, Jr., K.E. Mayer, and M. White, Eds. 1988. *California's wildlife*, Vol. 1, Amphibians and reptiles. California Department of Fish and Game, Sacramento, CA. [[Ref#: 1078]]

Personal Communication

Gerstung. Personal Communication. Cited in: California Department of Fish and Game. 1994. Adoption of Regulations for Suction Dredge Mining. Final Environmental Impact Report. State of California, Resources Agency. April. [[Ref#: 18]]

4.4 Hazards and Hazardous Materials

Agency for Toxic Substances & Disease Registry. 2007. *Public Health Statement for Lead*. Available: < <http://www.atsdr.cdc.gov/toxprofiles/phs13.html#bookmark03> >. Accessed: March 4, 2010. Last posted or revised: August 2007. [[Ref#: 811]]

Albina Fuel. 2009. Chevron Regular Unleaded Gasoline MSDS. Available: < <http://www.albina.com/Fuel/msds.htm> >. Accessed: March 8, 2010. Last posted or revised: 2009. [[Ref#: 813]]

California Department of Fire and Forestry Protection (CAL FIRE). 2009. *Fire and Emergency Response*. Available at: <http://www.fire.ca.gov/communications/communications_factsheets.php> Accessed: March 4, 2010. Last posted or revised: unknown. [[Ref#: 941]]

California Department of Fire and Forestry Protection (CAL FIRE). 2007. *Fire and Resource Assessment Program Maps*. Available: < <http://frap.cdf.ca.gov/data/frapgismaps/select.asp?theme=5> >. Accessed: March 4, 2010. Last posted or revised: unknown. [[Ref#: 942]]

California Department of Industrial Relations. 2010. Occupational Safety and Health. Available: < http://www.dir.ca.gov/occupational_safety.html >. Accessed: March 4, 2010. Last posted or revised: unknown. [[Ref#: 943]]

CalRecycle. 2010. Waste Prevention Information Exchange: Hazardous Substances Mercury. Available: < <http://www.calrecycle.ca.gov/ReduceWaste/HazSubstance/Mercury.htm> >. Accessed: March 8, 2010. Last posted or revised: January 2, 2010. [[Ref#: 944]]

City of Marysville. 2010. *Marysville Fire Department*. Available: < <http://www.marysville.ca.us/fire.asp?did=10> >. Accessed: March 4, 2010. Last posted or revised: 2010. [[Ref#: 945]]

Department of Toxic Substances Control (DTSC). 2008. Fact Sheet, Managing Universal Waste in California. Available: < http://www.dtsc.ca.gov/HazardousWaste/EWaste/upload/HWM_FS_UWR.pdf >. Accessed: March 8, 2010. Last posted or revised: July 2008. [[Ref#: 948]]

Department of Toxic Substances Control. (DTSC). 2007a. *Chapter 23. Standards for Universal Waste Management*. Available: < http://www.dtsc.ca.gov/LawsRegsPolicies/Title22/OEARA_REG_Title22_Ch23.cfm>. Accessed: March 8, 2010. Last posted or revised: 2007. [[Ref#: 946]]

- Department of Toxic Substances Control. (DTSC). 2007b. *Mercury Waste*. Available: < http://www.dtsc.ca.gov/HazardousWaste/Mercury/index.cfm#Disposal_of_Mercury_Products >. Accessed: March 8, 2010. Last posted or revised: 2007. [[Ref#: 947]]
- Environmental Health and Safety. 2009. Website “Mercuric Nitrate Monohydrate”. MSDS Number M1508, Effective date 05/26/09. Available: < <http://www.jtbaker.com/msds/englishhtml/m1508.htm> > [[Ref# 1073]].
- Occupational Safety & Health Administration (OSHA). 1997. *Health Guidelines: Mercury*. Available: < <http://www.osha.gov/SLTC/healthguidelines/mercuryvapor/recognition.html> >. Accessed: March 4, 2010. Last posted or revised: 1997. [[Ref#: 950]]
- Occupational Safety & Health Administration (OSHA). 2004. *Safety and Health Topics: Mercury Vapor*. Available: < http://www.osha.gov/dts/chemicalsampling/data/CH_250510.html >. Accessed: March 3, 2010. Last posted or revised: May 5, 2004. [[Ref#: 949]]
- Occupational Safety & Health Administration (OSHA). 2010. *State Occupational Safety and Health Plans*. Available: < <http://osha.gov/dcsp/osp/index.html> >. Accessed: March 4, 2010. Last posted or revised: February 25, 2010. [[Ref#: 952]]
- Sierra Fund. 2009. *Compliance with Suction Dredge Mining Law on Federal Land in the Sierra Nevada*. Pgs. 1-22. July 15. Nevada City, CA. [[Ref#: 648]]
- Terra Industries, Inc. 2006. *Material Safety Data Sheet: Nitric Acid*. Available: < http://www.terraindustries.com/pdfs/msds/nitric_acid_msds.pdf >. Accessed: March 3, 2010. Last posted or revised: December 7, 2006. [[Ref#: 954]]
- Yuba County Office of Education. 2010. Yuba County Schools. Available: < <http://www.yuba.net/yubaschools/pages/default.aspx> >. Accessed: March 3, 2010. Last posted or revised: unknown. [[Ref#: 955]]
- Yuba County. 2005. *Yuba Highlands Specific Plan Draft Environmental Impact Report SCH No. 2001032070*. Available: < <http://www.co.yuba.ca.us/departments/Community%20Development/Planning/Specific%20Plans/Yuba%20Highlands%20Area%20Plan/> >. Accessed: March 4, 2010. Last posted or revised: 2007. [[Ref#: 956]]
- Yuba Sutter Recycles. 2010. *Household Hazardous Waste*. Available: < <http://www.yubasutterrecycles.com/hhw.html> >. Accessed: March 3, 2010. Last posted or revised: unknown. [[Ref#: 957]]

4.5 Cultural Resources

- Bright, William. 1978. Karok, in California, edited by Robert F. Heizer, pp. 180–189. *Handbook of North American Indians*, Volume 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C. [[Ref#: 958]]

- California Department of Transportation (Caltrans). 2008. *A Historical Context and Archaeological Research Design for Mining Properties in California*. Division of Environmental Analysis, Caltrans, Sacramento, California. [[Ref#: 959]]
- California State Lands Commission Shipwreck Database: Available:
<<http://shipwrecks.slc.ca.gov/>> (Accessed July 23, 2009). [[Ref#: 174]]
- Chartkoff, Joseph L. 2004. Calories and Construction: Ecology of Extraction Strategies on the Lower Klamath River. *Proceedings of the Society for California Archaeology*, Volume 17(23-26). [[Ref#: 960]]
- Clark, William B. 1957. Gold. *Mineral Commodities of California*. California Division of Mines, Bulletin 176:215-226. [[Ref#: 961]]
- Erlandson, Jon M., Torben C. Rick, Terry L. Jones, and Judith F. Porcasi. 2007. One if by Land, Two if by Sea: Who Were the First Californians? In *California Prehistory: Colonization, Culture, and Complexity*. Edited by T.L. Jones and K.A. Klar, pp. 53-62, AltaMira Press. [[Ref#: 962]]
- Foster, Daniel G., Brian D. Dillon, and Linda C. Sandelin. 2005. Discovering Prehistoric Sites: Subjective and Objective Survey Techniques. California Department of Forestry and Fire Protection. Available: <<http://www.indiana.edu/~e472/cdf/suggest/techniques/>> [[Ref#: 963]]
- Gates, Thomas. 2003. *Ethnographic Riverscape: Regulatory Analysis*. Prepared for PacifiCorp and the Federal Energy Regulatory Commission. [[Ref#: 964]]
- Golla, Victor. 2007. Linguistic Prehistory, In *California Prehistory: Colonization, Culture, and Complexity*. Edited by T.L. Jones and K.A. Klar, pp. 71-82, AltaMira Press. [[Ref#: 965]]
- Gould, R. A. 1975. Ecology and Adaptive Response Among the Tolowa Indians of Northwestern California. *Journal of California Anthropology*, 2(2), Available: <<http://escholarship.org/uc/item/65t181bq>> [[Ref#: 966]]
- Heizer, Robert F. 1978. Trade and Trails in California, edited by Robert F. Heizer, pp. 690-693. *Handbook of North American Indians*, Volume 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C. [[Ref#: 967]]
- King, Thomas F. 2004. *First Salmon: The Klamath Cultural Riverscape and the Klamath River Hydroelectric Project*. Prepared for the Klamath River Intertribal Fish and Water Commission. [[Ref#: 167]]
- Meyer, Jack, and Jeffery Rosenthal. 2008. *A Geoarchaeological Overview and Assessment of Caltrans District 3*. Prepared for Caltrans District 3, Sacramento. [[Ref#: 168]]
- Moratto, Michael J., and Joseph L. Chartkoff. 2007. Archaeological Progress since 1984, In *California Prehistory: Colonization, Culture, and Complexity*. Edited by T.L. Jones and K.A. Klar, pp. 1-9, AltaMira Press. [[Ref#: 969]]

- Parker, Patricia L. and Thomas F. King. 1998. National Register Bulletin: *Guidelines for Evaluating and Documenting Traditional Cultural Properties*, prepared for the National Park Service, Revised 1998. [[Ref#: 172]]
- Riddell, Francis A. 1978. Maidu and Konkow, in California, edited by Robert F. Heizer, pp. 370-386. *Handbook of North American Indians*, Volume 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C. [[Ref#: 970]]
- Tveskov Marc A., and Jon M. Erlandson. 2003. *The Haynes Inlet Weirs: estuarine fishing and archaeological site visibility on the southern Cascadia coast*. (Available online 9 April 2003). [[Ref#: 971]]
- U.S. Forest Service. 2006. Small-Scale Suction Dredging in Lolo Creek and Moose Creek in Idaho – Final Environmental Impact Statement. Clearwater National Forest, Lochsa and North Fork Ranger Districts. Clearwater County and Idaho County. December. [[Ref#: 199]]
- Wilson Norman L., and Arlean H. Towne. 1978. Nisenan, in California, edited by Robert F. Heizer, pp. 387-397. *Handbook of North American Indians*, Volume 8, William C. Sturtevant, general editor. Smithsonian Institution, Washington, D.C. [[Ref#: 972]]

4.6 Aesthetics

- Bernell, David, Jeff Behan, and Bo Shelby. 2003. Recreational Placer Mining In the Oregon Scenic Waterways System: *An Assessment for the Oregon Parks and Recreation Department*. Oregon State University Institute for Natural Resources. INR Policy Paper 2003-01. [[Ref#: 101]]
- Crossly, John. 2010. Photograph of the Middlefork of the San Joaquin River near the Devils Postpile National Monument. From *The American Southwest* website. Image available online at: http://www.google.com/imgres?imgurl=http://www.americansouthwest.net/california/photographs450/san-joaquin-river2.jpg&imgrefurl=http://www.americansouthwest.net/california/devils-postpile/san-joaquin-river2.html&usg=__ucW4D06fwtP-9HR5ygwOam4CYiE=&h=338&w=450&sz=91&hl=en&start=32&zoom=1&um=1&itbs=1&tbnid=H8Fg_U3pAT4y6M:&tbnh=95&tbnw=127&prev=/images%3Fq%3Dsan%2Bjoaquin%2Briver%26start%3D20%26um%3D1%26hl%3Den%26sa%3DN%26rlz%3D1D1DLUS_enUS357US360%26ndsp%3D20%26tbs%3Disch:1 Accessed October 27, 2010 [[Ref#: 1069]]
- Federal Highway Administration (FHWA). 1983. *Visual Impact Assessment for Highway Projects*. (Contract DOT-FH-11-9694). Washington, DC. [[Ref#: 973]]
- Hornbeck, David. 1983. *California Patterns: A Geographical and Historical Atlas*. Mayfield Publishing Company. Palo Alto, California. [[Ref#: 974]]

- Jones, G.R., J. Jones, B.A. Gray, B. Parker, J.C. Coe, J.B. Burnham, and N.M. Geitner. 1975. A Method for the Quantification of Aesthetic Values for Environmental Decision Making. *Nuclear Technology* 25(4):682-713. [[Ref#: 975]]
- Mite, Dana. 2005. Photograph of Mojave Desert at sunset. Available: <<http://mdb8.ibibo.com/03953616c7465645f5f85ac00f91e0b457fb04ad6366b2ccb436505c782c3d6be86a4efa550935a304972712606bb35112ba547f4.jpeg/california-desert-camping-socal-southerncalifornia.jpeg>> Accessed October 27, 2010. [[Ref#: 1070]]
- Orton, Douglas H. 2009. Photograph of the Russian River. Dated 9/21/09. Image available online at: <<http://c.photoshelter.com/img-get/I0000nuv1IHJNTfo/s>> Accessed October 27, 2010. [[Ref#: 1071]]
- Schoenherr, Allan A. 1992. A Natural History of California. University of California Press, Ltd. London, England. [[Ref#: 977]]
- Sierra Fund. 2009. *Compliance with Suction Dredge Mining Law on Federal Land in the Sierra Nevada*. Pgs. 1-22. July 15. Nevada City, CA. [[Ref#: 648]]
- Silbey, Frank. 2001. Approach to Aesthetics. *Collected papers on Philosophical Aesthetics*. Edited by John Benson, Betty Redfern, and Jermye Roxbee Cox. Oxford University Press Inc., New York. [[Ref#: 978]]
- Smardon R., Palmer J., Fellmean. 1986. *Foundations for Visual Project Analysis*. New York, NY: John Wiley & Sons, Inc. [[Ref#: 979]]
- U.S. Forest Service (USFS). 1974. National Forest Landscape Management Volume 2, Chapter 1: The Visual Management System. *Agriculture Handbook Number 462*. Washington, DC. [[Ref#: 980]]
- U.S. Soil Conservation Service (USSCS). 1978. *Procedure to establish priorities in landscape architecture*. Technical Release No. 65. Washington, D.C [[Ref#: 981]]
- Wright, Gene. 2010. Photograph of Central Valley. Accessed April 23, 2010. Available: <http://www.wrightrealtors.com/central_valley_california.htm> [[Ref#: 982]]

4.7 Noise

- California Department of Fish and Game (CDFG). 2009. *Suction Dredge Permitting Program, Literature Review*. September. [[Ref#: 983]]
- California Governor's Office of Planning and Research. 2003. *Guidelines for the Preparation and Content of the Noise Element of the General Plan*. Appendix C in *State of California General Plan Guidelines*. Sacramento, CA. [[Ref#: 984]]

- El Dorado County. 1998. El Dorado County River Management Plan Update. Draft EIR. Available< <http://www.co.el-dorado.ca.us/rivers/archive/rivermanage.html>> Accessed February 2009 [[Ref#:985]]
- Harris, C.M., ed. 1979. Handbook of Noise Control. McGraw-Hill Book Co. [[Ref#: 986]]
- National Institute of Safety and Health. 2008. *Noise Meter*. Available: <http://www.cdc.gov/niosh/topics/noise/aboutnlp/noisemeter_html/hp0a.html>. Accessed February 2009. [[Ref#: 987]]
- U.S EPA. 1971. Noise from construction equipment and operations, building equipment, and home appliance. Prepared by Bolt, Beranek and Newman. Washington, D.C. December, 31, 1971. [[Ref#: 988]]
- Yuba County 1994. General Plan. Available: <<http://www.co.yuba.ca.us/departments/Community%20Development/Planning/Default%20Pages/yubacountygeneralplan.aspx>> Accessed February 2009. [[Ref#: 989]]
- Yuba County Ordinance Code. Title VIII – Public Peace and Safety. Chapter 8.20, Noise Regulations. Available: <<http://www.co.yuba.ca.us/departments/bos/documents/ordinance/>> [[Ref#: 990]]

4.8 Recreation

- Bernell, David, Jeff Behan, and Bo Shelby. 2003. *Recreational Placer Mining in the Oregon Scenic Waterways System*. Prepared for the Oregon Parks and Recreation Department. INR Policy Paper 2003-01. [[Ref#: 101]]
- Bureau of Land Management (BLM). 2005. National Conservation Areas Details - Data table for California Desert and King Range NCAs. Created September 2005. Accessed on [[Ref#: 991]]
- Bureau of Land Management (BLM). 2009a. *10th Anniversary National Landscape Conservation System Brochure*. Available: <http://www.blm.gov/ca/st/en/prog/blm_special_areas.html>. Accessed: March 18, 2010. Last posted or revised: 2009. [[Ref#: 992]]
- Bureau of Land Management (BLM). 2009b. *Map of National Landscape Conservation Units in California*. Available: <http://www.blm.gov/ca/st/en/prog/blm_special_areas.html>. Accessed: March 18, 2010. Last posted or revised: 2009. [[Ref#: 993]]
- Bureau of Land Management (BLM). 2010. *BLM- California: National Landscape Conservation System*. Last updated February 10, 2010. Available<http://www.blm.gov/ca/st/en/prog/blm_special_areas/nca.html> Accessed March 23, 2010 [[Ref#: 994]]
- California Department of Parks and Recreation (CDPR). 2003. *The California State Park System Statistical Report: 2001/02 Fiscal Year*. October 2003. Available: <

- http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2003. [[Ref#: 569]]
- California Department of Parks and Recreation (CDPR). 2005a. *The California State Park System Statistical Report: 2003/04 Fiscal Year*. June 2005. Available: < http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2005. [[Ref#: 571]]
- California Department of Parks and Recreation (CDPR). 2005b. *The California State Park System Statistical Report: 2002/03 Fiscal Year*. April 2005. Available: < http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2005. [[Ref#: 570]]
- California Department of Parks and Recreation (CDPR). 2006a. *The California State Park System Statistical Report: 2005/06 Fiscal Year*. November 2006. Available: < http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2006. [[Ref#: 575]]
- California Department of Parks and Recreation (CDPR). 2006b. *The California State Park System Statistical Report: 2004/05 Fiscal Year*. March 2006. Available: < http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2006. [[Ref#: 573]]
- California Department of Parks and Recreation (CDPR). 2007. *The California State Park System Statistical Report: 2006/07 Fiscal Year*. December 2007. Available: < http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2007. [[Ref#: 577]]
- California Department of Parks and Recreation (CDPR). 2009. *The California State Park System Statistical Report: 2007/08 Fiscal Year*. March 2009. Available: < http://www.parks.ca.gov/?page_id=23308 >. Accessed: March 15, 2010. Last posted or revised: 2009. [[Ref#: 578]]
- California Department of Parks and Recreation (CDPR). 2010a. *Planning Division*. Available: < http://www.parks.ca.gov/?page_id=795 >. Accessed: March 22, 2010. [[Ref#: 995]]
- California Department of Parks and Recreation (CDPR). 2010b. *Parks by the Numbers*. Available: < http://www.parks.ca.gov/?page_id=23509 >. Accessed: March 18, 2010. Last posted or revised: February 16, 2010. [[Ref#: 996]]
- Center for Biological Diversity. 2010. *Website for the California Desert Conservation Area*. Available: < http://www.biologicaldiversity.org/programs/public_lands/deserts/california_desert_conservation_area/index.html >. Accessed March 13, 2010. Last posted or revised: unknown. [[Ref#: 997]]
- Cordell, H.K. 2004. *Outdoor Recreation for 21st Century America*. Venture Publishing. National Recreation Trends; Inc. ISBN 1-892132-45-1, Garrison's Library. [[Ref#: 608]]

- McCleneghan, K. and R.E. Johnson. 1983. *Suction Dredge Gold Mining in the Mother Lode Region of California*. Administrative Report 83-1. Pgs: 1-16. California Department of Fish and Game, Sacramento, CA. [[Ref#: 30]]
- National Sporting Goods Administration (NSGA). 2008. *Sports Participation in 2008: Camping(Vacation/Overnight)*. Pgs. 1-20. Conducted by IPSOS Observer. Westbury, NY. [[Ref#: 579]]
- U.S. Fish and Wildlife Service (USFWS). 1998. *1996 National Survey of Fishing, Hunting, and Wildlife Associated Recreation*. Conducted by the U.S. Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, Bureau of the Census. California FHW/96-CA. Pgs. 2-47. March. [[Ref#: 582]]
- U.S. Fish and Wildlife Service (USFWS). 2003. *2001 National Survey of Fishing, Hunting, and Wildlife Associated Recreation*. U.S. Conducted by the Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, Bureau of the Census. California FHW/01-CA. Pgs. 2-46. March. [[Ref#: 583]]
- U.S. Fish and Wildlife Service (USFWS). 2007a. *Wild and Scenic Rivers website*. Created January 1, 2007. Available: <<http://www.rivers.gov/council.html> > Accessed March 15, 2010. [[Ref#: 998]]
- U.S. Fish and Wildlife Service (USFWS). 2007b. *2006 National Survey of Fishing, Hunting, and Wildlife Associated Recreation*. Conducted by the U.S. Department of the Interior, Fish and Wildlife Service, and U.S. Department of Commerce, Bureau of the Census. California FHW/06-CA. Pgs. 2-81. December. [[Ref#: 584]]
- U.S. Forest Service (USFS). 2004. *Selected Laws Affecting Forest Service Activities*. April 2004. Available: < <http://www.fs.fed.us/publications/> >. Accessed: March 18, 2010. Last posted or revised: 2004. [[Ref#: 1000]]
- U.S. Forest Service (USFS). 2006. *Revised Visitation Estimates*. Available: <<http://www.fs.fed.us/recreation/programs/nvum/> >. Accessed: March 19, 2010. Last posted or revised: October 16, 2006. [[Ref#: 1001]]
- U.S. Forest Service (USFS). 2009a. *36 CFR Part 219: National Forest System Land and Resource Management Planning*. Federal Register, Vol. 74, No. 242. Published: December 18, 2009. Available: < <http://www.fs.fed.us/emc/nfma/index.htm> >. Accessed: March 19, 2010. Last posted or revised: 2009. [[Ref#: 1002]]
- U.S. Forest Service (USFS). 2009b. *About Us: National Forests in California*. Available: < <http://www.fs.fed.us/r5/about/related.shtml> >. Last posted or revised: March 6, 2009. Accessed: March 18, 2010. [[Ref#: 1003]]
- U.S. Forest Service (USFS). 2009c. *Land Areas of the National Forest System—Table 4: Areas by State*. Available: < <http://www.fs.fed.us/land/staff/lar/2009/lar09index.html> >. Accessed: March 18, 2010. Last posted or revised: September 30, 2009. [[Ref#: 1004]]
- U.S. Forest Service (USFS). 2010. *Lake Tahoe Basin Management Unit: About the Forest*. Available: <

http://fs.usda.gov/wps/portal/fsinternet!/ut/p/c4/04_SB8K8xLLM9MSSzPy8xBz9CP0os3giAwhwtDDw9_Al8zPwhQoY6BdkOyoCAPkATIA!/?ss=110519&navtype=BROWSEBYSUBJECT&navid=1700000000000000&pnavid=null&recid=null&actid=null&groupid=null&ttype=main&pname=Lake Tahoe Basin Mgt Unit- About the Forest >. Accessed: March 19, 2010. Last posted or revised: unknown. [[Ref#: 999]]

Yuba County. 2008. *Yuba County Parks Master Plan*. Adopted: February 19, 2008. Available: < http://www.co.yuba.ca.us/Departments/Community%20Development/Public%20Works/PARKS/Park_Master_Plan.aspx >. Accessed: March 17, 2010. Last posted or revised: 2008. [[Ref#: 1005]]

4.9 Transportation and Traffic

None cited

4.10 Mineral Resources

Bureau of Land Management (BLM). 2009. *Mining Laws*. U.S. Department of the Interior. Available: < http://www.blm.gov/wo/st/en/info/regulations/mining_claims.html >. Accessed: March 15, 2010. Last posted or revised: October 20, 2009. [[Ref#: 1006]]

California Department of Conservation (CDC). 1988. Division of Mines and Geology. *Mineral Land Classification: Portland Cement Concrete-Grade Aggregate in the Yuba City-Marysville Production-Consumption Region*. Special Report 132. Sacramento, CA. [[Ref#: 1007]]

California Department of Conservation (CDC). 2007a. Office of Mine Reclamation. *Surface Mining and Reclamation Act of 1975 (Statutes), as amended*. January 2007. Available: < <http://www.consrv.ca.gov/omr/lawsandregulations/Pages/SMARA.aspx> >. Accessed: March 15, 2010. [[Ref#: 1008]]

California Department of Conservation (CDC). 2007b. Office of Mine Reclamation. *Surface Mining and Reclamation Act (SMARA) Regulations, amended*. Available: < <http://www.consrv.ca.gov/omr/lawsandregulations/Pages/SMARA.aspx> >. Accessed: March 15, 2010. [[Ref#: 1009]]

California Geological Survey (CGS). 2002a. *Hints for Gold Prospectors: Note 24*. Revised: April 2002. [[Ref#: 1011]]

California Geological Survey (CGS). 2002b. *Gold California State Mineral: Note 12*. Revised: April 2002. [[Ref#: 1012]]

California Geological Survey (CGS). 2008. California Non-fuel Minerals 2008. Written by Susan Kohler, Senior Geologist. Available: < http://www.conservaion.ca.gov/cgs/minerals/min_prod/Documents/non_fuel_2008.pdf >. [[Ref#: 1010]]

- Churchill, R. 2000. *Contributions of Mercury to California's Environment from Mercury and Gold Mining Activities-Insights from the Historical Record*. Paper presented at EPA conference in San Francisco, CA. California Department of Conservation, Sacramento. Pg. 1-6. November. [[Ref#: 119]]
- Clark, W.P. 1972. *Diving for Gold in California*. California Geology: vol. 25, pgs. 123-130. June. [[Ref#: 9]]
- Diggles, M.F. et al. 1996. *Sierra Nevada Ecosystem Project: Final Report to Congress, vol. II, Assessments and Scientific Basis for Management Options, Chapter 18: Geology and Minerals Issues*. Davis: University of California, Centers for Water and Wildland Resources. [[Ref#: 1013]]
- Electronic Code of Federal Regulations. 2010. *Title 36: Parks, Forests, and Public Property, Subpart 228: Minerals, Part A: Locatable Minerals*. Available: < <http://ecfr.gpoaccess.gov/cgi/t/text/text-idx?c=ecfr;sid=c50d9c5a7875fbec1d27cbad503ffc06;rgn=div6;view=text;node=36%3A2.0.1.1.13.1;idno=36;cc=ecfr> >. Accessed: May 3, 2010. Last posted or revised: April 29, 2010. [[Ref#: 1014]]
- Environmental Working Group (EWG). 2000. Website – Who Owns the West. From EWG analysis of Bureau of Land Management's Land and Mineral Records 2000 (LR2000) data system. [[Ref#: 680]]
- GoldPrice. 2010. *Gold Prices*. Available: < <http://www.goldprice.org/> >. Accessed: July 15, 2010. Last posted or revised: July 15, 2010. [[Ref#: 1015]]
- U.S. Department of the Interior, Bureau of Land Management and Office of the Solicitor (editors). 2001. *The Federal Land Policy and Management Act, as amended*. U.S. Department of the Interior, Bureau of Land Management Office of Public Affairs, Washington, D.C. 69 pp. [[Ref#: 1016]]
- U.S. Forest Service (USFS). 2001. *Sierra Nevada Forest Plan Amendment*. Volume 2, Chapter 3, part 5.4 Mining and Mineral Resources. Available: < <http://www.fs.fed.us/r5/snfpa/library/archives/feis/index.htm> >. Accessed: August 2, 2009. [[Ref#: 494]]
- U.S. Forest Service (USFS). 2008. *Prospecting on the San Bernardino National Forest*. Available: < <http://www.fs.fed.us/r5/sanbernardino/recreation/prospecting/> >. Accessed: April 7, 2010. [[Ref#: 1017]]

Personal Communications

- Demaagd, J, USF Minerals Examiner. 2009. Personal Communication with Rick Humphries on August 24, 2009 regarding gold dredging on forest service lands. [[Ref#: 681]]
- Gonzalez, K, California Department of Conservation, Office of Mine Reclamation (OMR), Reporting Analyst. Telephone conversation with Megan Giglini on March 10, 2010

regarding SMARA requirements and process for obtaining approval to operate a new mine in Yuba County. [[Ref#: 1018]]

McNally, K, Yuba County Planning Department, Assistant Planner. 2010. Telephone conversation with Megan Giglini on March 10, 2010. Conversation regarding process of obtaining approval to mine in Yuba County. [[Ref#: 1019]]

5. Other Statutory Considerations

California Air Resources Board (CARB). 2009a. Federal Standard Designations. Available: < <http://www.arb.ca.gov/desig/feddesig.htm> >. Accessed: February 25, 2010. Last posted or revised: November 30, 2009. [[Ref#: 1020]]

California Air Resources Board (CARB). 2009b. Regional Haze. Available: < <http://www.arb.ca.gov/planning/reghaze/reghaze.htm> >. Accessed: February 25, 2010. Last posted or revised: March 17, 2009. [[Ref#: 1021]]

California Air Resources Board (CARB). 2009c. California Regional Haze Plan. Final. Adoption Date: January 22, 2009. Available: < <http://www.arb.ca.gov/planning/reghaze/reghaze.htm> >. Accessed: February 25, 2010. Last posted or revised: March 17, 2009. [[Ref#: 1022]]

California Air Resources Board (CARB). 2009d. Mobile Source Program Portal. 28 July 2009 <<http://www.arb.ca.gov/msprog/msprog.htm>>. [[Ref#: 1023]]

California Air Resources Board (CARB). 2010a. Clean Car Standards - Pavley, Assembly Bill 1493. Available: < <http://www.arb.ca.gov/cc/ccms/ccms.htm> >. Accessed: February 26, 2010. Last posted or revised: February 26, 2010. [[Ref#: 1024]]

California Air Resources Board (CARB). 2010b. California's Climate Plan Fact Sheet. Updated: January 27, 2010. Available: < <http://www.arb.ca.gov/cc/scopingplan/scopingplan.htm>>. Accessed: February 26, 2010. [[Ref#: 1025]]

California Air Resources Board (CARB). 2010c. Area Designations Maps / State and National. Available: < <http://www.arb.ca.gov/desig/adm/adm.htm> >. Accessed: July 20, 2010. Last posted or revised: March 30, 2010. [[Ref#: 1026]]

California Air Resources Board (CARB). 2010d. Area Designations 2010. Available: < <http://www.arb.ca.gov/regact/2010/area10/area10.htm> >. Accessed: July 20, 2010. Last posted or revised: July 15, 2010. [[Ref#: 1027]]

California Air Resources Board (CARB). 2010e. Area Designations 2010 (Activities and Maps): Summaries of Historical Area Designations for State Standards. Available: < <http://www.arb.ca.gov/desig/changes.htm#reports> >. Accessed: July 20, 2010. Last posted or revised: March 29, 2010. [[Ref#: 1028]]

- California Climate Change Center. 2006. Our Changing Climate: Assessing the Risks to California. Available: < <http://www.climatechoices.org/ca/site/our-changing-climate.html> >. Accessed: February 26, 2010. Last posted or revised: 2006. [[Ref#: 1029]]
- California Department of Finance. 2007. Population Projections for California and Its Counties 2000-2050. Sacramento, California. July 2007. Available: < <http://www.dof.ca.gov/research/demographic/reports/projections/p-1/> >. Accessed: February 17, 2010. [[Ref#: 1030]]
- California Energy Commission (CEC). 2006. Inventory of California Greenhouse Gas Emissions and Sinks: 1990 to 2004. Staff Final Report. Available: < <http://www.climatechange.ca.gov/inventory/index.html> >. Accessed: May 21, 2010. Last modified: July 31, 2008. [[Ref#: 1031]]
- Foster, Doug. 2002. Refuges and Reclamation: Conflicts in the Klamath Basin, 1904-1964. Oregon Historical Society Volume 103, No.2, pgs. 150-187. [[Ref#: 1057]]
- ICF Jones & Stokes. 2010. Hatchery and Stocking Program Environmental Impact Report/Environmental Impact Statement. Final. January. (SCH #2008082025). Sacramento, CA. Prepared for the California Department of Fish and Game and U.S. Fish and Wildlife Service, Sacramento, CA. [[Ref#: 1032]]
- Intergovernmental Panel on Climate Change (IPCC). 2007. Climate Change 2007: The Physical Science Basis. Available: < http://www.ipcc.ch/publications_and_data/publications_ipcc_fourth_assessment_report_t_wg1_report_the_physical_science_basis.htm >. Accessed: February 26, 2010. Last posted or revised: 2007. [[Ref#: 1033]]
- Kimmerer, W.J. 2008. Losses of Sacramento River Chinook salmon and Delta Smelt to Entrainment in Water Diversions in the Sacramento-San Joaquin Delta. San Francisco Estuary and Watershed Science, 6(2). [[Ref#: 1034]]
- Klein, R. 2008. Timber Harvest and Turbidity in North Coastal California Watersheds. The Third Interagency Conference on Research in the Watersheds, September 8-11, 2008, Estes Park, Colorado. [[Ref#: 1035]]
- Knight, S. and K. Boyer. 2007. Effects of Conservation Practices on Aquatic Habitats and Fauna. U.S. Department of Agriculture, The Wildlife Society: Technical Review 07-1. September 2007. [[Ref#: 1036]]
- Monsen, Nancy E., James E. Cloern, and Jon R. Burau. 2007. Effects of Flow Diversions on Water and Habitat Quality: Examples from California's Highly Manipulated Sacramento-San Joaquin Delta. San Francisco Estuary and Watershed Science. Vol. 5, Issue 3 [July 2007]. Article 2. [[Ref#: 1037]]
- Moyle, P., R. Yoshiyama, and R. Knapp. 1996. Status of Fish and Fisheries Chapter 33. In the: Sierra Nevada Ecosystem Project: Final report to Congress, Vol. II, Assessments and scientific basis for management options. Davis: University of California, Centers for Water and Wildland Resources. [[Ref#: 1038]]

- National Marine Fisheries Service (NMFS). 2009. Final Biological and Conference Opinion on the Long-term Operations of the Central Valley Project and State Water Project. Addressed to Mr. Donald Glaser at the U.S. Bureau of Reclamation. June 4, 2009. Available: < <http://swr.nmfs.noaa.gov/ocap.htm> >. Accessed: February 18, 2010. [[Ref#: 1039]]
- National Marine Fisheries Service (NMFS). 2010. Fish Watch U.S. Seafood Facts-Chinook salmon. Available: < http://www.nmfs.noaa.gov/fishwatch/species/chinook_salmon.htm >. Accessed: February 17, 2010. Last posted or revised: January 22, 2010. [[Ref#: 1040]]
- National Oceanic and Atmospheric Administration (NOAA). 2010. Recovery Plan for the Evolutionarily Significant Unit of Central California Coast Coho Salmon. Public Draft. National Marine Fisheries Service – Southwest Regional Office. Santa Rosa, CA. March 2010. [[Ref#: 1041]]
- Native American Fish and Wildlife Society. 2010. About Us—Background of the Society. Available: < http://www.nafws.org/index.php?option=com_content&view=frontpage&Itemid=1 >. Last posted or revised: 2010. Accessed: May 20, 2010. [[Ref#: 1042]]
- Pacific Fishery Management Council. 2009. Review of 2008 Ocean Salmon Fisheries. February 2009. Available: < <http://www.pcouncil.org/salmon/salmp.html> >. Accessed: February 16, 2010. [[Ref#: 1043]]
- Parker, L. and J. Blodgett. 2006. CRS Report for Congress, Received through the CRS Web: Visibility, Regional Haze, and the Clean Air Act: Status of Implementation. Updated: October 23, 2006. Available: < <http://www.ncseonline.org/NLE/CRS/> >. Accessed: February 25, 2010. [[Ref#: 1044]]
- Peterson, D.L., et al. 2009. Effects of Timber Harvest Following Wildfire in Western North America. General Technical Report PNW-GTR-776. Prepared for the U.S. Department of Agriculture (USDA). March 2009. [[Ref#: 1049]]
- Pilliod, D., R.B. Bury, E.J. Hyde, C.A. Pearl, and P.S. Corn. 2003. Fire and amphibians in North America. *Forest Ecology and Management*, 178 (2003), pgs. 163–181. [[Ref#: 1045]]
- State Water Resources Control Board (SWRCB). 2000. The Plan for California's Nonpoint Source Pollution Control Program (NPS Program Plan) Volume II: California Management Measures for Polluted Runoff (CAMMPR). January 2000. Available: < http://www.waterboards.ca.gov/water_issues/programs/nps/protecting.shtml >. Accessed: February 17, 2010. [[Ref#: 1046]]
- State Water Resources Control Board (SWRCB). 2007. Statewide Summary Statistics for 2006 303(d) List. Available: < http://www.waterboards.ca.gov/water_issues/programs/tmdl/303d_lists2006_epa.shtml >. Accessed: February 16, 2010. Last posted or revised: 2007. [[Ref#: 1047]]
- State Water Resources Control Board (SWRCB). 2010a. Final Staff Report for the Klamath River Total Maximum Daily Loads (TMDLs) Addressing Temperature, Dissolved Oxygen,

- Nutrient, and Microcystin Impairments in California the Proposed Site Specific Dissolved Oxygen Objectives for the Klamath River in California, and the Klamath River and Lost River Implementation Plans. State of California North Coast Regional Water Quality Control Board. March 2010. Santa Rosa, CA. Chapter 2 [[Ref#: 1058]]
- State Water Resources Control Board (SWRCB). 2010b. A Compilation of Technical Water, Water Quality, Environmental, and Water-Related Terms. Available: < http://www.waterboards.ca.gov/publications_forms/available_documents/water_words.shtml >. Accessed: February 16, 2010. Last posted or revised: unknown. [[Ref#: 1048]]
- U.S. Environmental Protection Agency (U.S. EPA). 1994. What is Nonpoint Source (NPS) Pollution? Questions and Answers. Source: U.S.EPA's brochure EPA-841-F-94-005. Available: < <http://www.epa.gov/owow/nps/qa.html> >. Accessed: February 16, 2010. Last posted or revised: 1994. [[Ref#: 1052]]
- U.S. Environmental Protection Agency (U.S. EPA). 2008. EPA Finalizes Emission Standards for New Nonroad Spark-Ignition Engines, Equipment, and Vessels. Regulatory Announcement. Office of Transportation and Air Quality. EPA420-F-08-013. September. [[Ref#: 1051]]
- U.S. Environmental Protection Agency (U.S. EPA). 2010. Currently Designated Nonattainment Areas for All Criteria Pollutants. Available: < <http://www.epa.gov/air/oaqps/greenbk/anc13.html> >. Accessed: July 20, 2010. Last posted or revised: June 15, 2010. [[Ref#: 1050]]
- U.S. Fish and Wildlife Service (USFWS). 2010. Pacific Southwest Region—Tribal Partnerships. Available: < <http://www.fws.gov/cno/conservation/tribalprogram.cfm> >. Last posted or revised: May 20, 2010. Accessed: May 20, 2010. [[Ref#: 1053]]
- U.S. Geological Survey (USGS). 2005. What is an FNU? Available: < <http://or.water.usgs.gov/grapher/fnu.html> >. Accessed: May 20, 2010. Last posted or revised: April 21, 2005. [[Ref#: 1054]]

6. Alternatives

None cited