

Table B-2 Geology and Soils

Resource Area	Author	Date	Title	Publisher	Source/Agency Recommendation	Summary Description	Location
Geology and Soils	??	2004	Sediment from hydraulic mining detained by Englebright and small dams in the Yuba Basin . Geomorphology. 2005; doi:10.1016/j.geomorph.2004.02.016. Notes: downloaded PDF		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Adler, Lori Lynn	1980	Adjustment of the Yuba River to the Influx of Hydraulic Mining Debris, 1849-1979	University of California, Los Angeles. Masters Thesis		Investigation of the influence upon a fluvial system from influx of sediment from hydraulic mining.	DTA Bellingham
Geology and Soils	Alpers, C. N. Hunerlach M. P. Marvin-DiPasquale M. Snyder N. P. and Krabbenhoft D. P.	2004	Mercury and methylmercury in the upper Yuba River watershed: Fluvial transport and reservoir sedimentation. Third Biennial CALFED Bay-Delta Program Science Conference Abstracts; Sacramento, CA. 2004p. 4. (talk).		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Alpers, C. N. Hunerlach M. P. May J. T. and Hothem R. L.	2005	Mercury contamination from historical gold mining in California. U.S. Geological Survey Fact Sheet 2005-3014, 6 p. ; 2005.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	AMEC Geomatrix	2004	Review of potential seismic sources and potential ground motions New Bullards Bar Dam	Geomatrix. Prepared for Yuba County Water Agency, Project #9467, CA No. 1034			DTA Bellingham
Geology and Soils	Aspen Environmental Group. 2000.	2000	Pacific Gas and Electric Company's application for authorization to divest its hydroelectric generating facilities and related assets. Application 99-09053. Draft Environmental Impact Report. November 2000. Prepared for California Public Utilities Commission.	PG&E		Facilities - contains information regarding minerals, seismic stability, geology, soils for Drum Spaulding facilities (in addition to other PG&E facilities)	<a href="http://www.cpuc.ca.gov/hydro/DraftEIR/index.htm">http://www.cpuc.ca.gov/hydro/DraftEIR/index.htm</a>
Geology and Soils	Bateman, P. and C Wahrhaftig.	1966	Geology of the Sierra Nevada. Bailey, E. Ed. Geology of Northern California. California Division of Mines and Geology Bulletin 190. 1966.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Bobbitt, John Bailey.	1982	Petrology, structure, and contact relations of part of the Yuba Rivers pluton, northwestern Sierra Nevada foothills, California. 1982; 1982 Shields Library Microcopy CollectionLD781.D5j 1982B622.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Buer, Koll.	1979	Stratigraphy, structure and petrology of a portion of the Smartville ophiolite, Yuba County, California.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	California DWR	2004	Draft Report SP-G2: Effects of Project Operations on Geomorphic Processes Downstream of Oroville Dam Task 7 - Hydraulic and Sediment Transport Modeling with Fluvial-2.	Oroville Facilities Relicensing FERC Project No. 2100. State of California Department of Water Resources. March 2004.		Sediment - bedload and sediment in the Feather River	<a href="http://orovillereicensing.water.ca.gov/pdf_docs/03-24-04_env_att6-sp-g2_task7.pdf">http://orovillereicensing.water.ca.gov/pdf_docs/03-24-04_env_att6-sp-g2_task7.pdf</a>
Geology and Soils	Childs, J.R., N.P. Snyder and M.A. Hampton	2003	Bathymetric and geophysical surveys of Englebright Lake, Yuba-Nevada Counties, California	USGS Open-File Report 03-383. 20 pp.	FWN PAD Questionnaire Response July 27, 2009	Results of the UYRSP bathymetric, geological, and geophysical surveys, including a new bathymetric map of the reservoir and estimates of the total accumulated sediment volume.	<a href="http://geopubs.wr.usgs.gov/open-file/of03-383/">http://geopubs.wr.usgs.gov/open-file/of03-383/</a>
Geology and Soils	Curtis, J. A. Flint L. E. Alpers C. N. Wright S. A. and Snyder N. P.	2005	Sediment Transport in the Upper Yuba River Watershed, California, 2001-03. U.S. Geological Survey Scientific Investigations Report.; 2006; U.S. Geological Survey Scientific Investigations Report 2005-5246, 74 pp.		FWN PAD Questionnaire Response July 27, 2009		DTA Sacramento
Geology and Soils	Curtis, J.A., L.E. Flint, C.N. Alpers, and S.M. Yarnell	2005	Conceptual model of sediment processes in the upper Yuba River watershed, Sierra Nevada, CA.	Geomorphology. 68 (2005): 149-166.	FWN PAD Questionnaire Response July 27, 2009	Development of a conceptual model of sediment processes in the upper Yuba River watershed; and hypothesizes how components of the conceptual model may be spatially distributed using a geographical information system (GIS).	DTA Bellingham; DTA Sacramento
Geology and Soils	Curtis, J.A., L.E. Flint, C.N. Alpers, S.A. Wright	2006	Evaluating sediment sources, erosion, and transport processes in the Upper Yuba River Watershed.	Joint 8th Federal Interagency Sedimentation Conference Extended Abstracts. Reno, NV Apr 2-6, 2006.		Conceptual model of sediment sources, erosion, and transport processes was developed and sediment-transport studies were conducted in the upper Yuba River watershed. Field observations of sediment production due to mass wasting, channel storage volumes, and the sediment sources, erosion, and transport processes were used to develop the conceptual model.	
Geology and Soils	Curtis, J.A., L.E. Flint, C.N. Alpers, S.A. Wright, and N.P. Snyder	2005	Use of Sediment Rating Curves and Optical Backscatter Data to Transport in the Upper Yuba River Watershed, California, 2001-03	, U.S. Geological Survey Scientific Investigations Report 2005-5246. 84 pp.		Sediment transport in the upper Yuba River watershed was evaluated from October 2001 through September 2003. This report presents results of a three-year study by the U.S. Geological Survey, in cooperation with the California Ecosystem Restoration Program of the California Bay-Delta Authority and the California Resources Agency.	DTA Bellingham
Geology and Soils	Day, Sumner Daniel.	1997	The petrology of a mafic dike complex near Smartville, Yuba County, California.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Department of Conservation, Office of Mine Reclamation, Abandoned Lands Mines Unit,	2003	Abandoned Mine Lands Assessment of the North Yuba Watershed: Prepared for the California Bay-Delta Authority. May 2003. Sacramento, CA.	Prepared for the California Bay-Delta Authority		Data obtained from the inventory of 128 abandoned mine sites in the North Yuba Watershed. Using a Preliminary Appraisal and Ranking (PAR) model, as well as results of soil sample analyses, it evaluates the potential impacts of each mine site to human health and the environment. The report also presents several prioritizations of these sites for possible remediation activity.	<a href="http://www.consrv.ca.gov/OMR/abandoned%5Fmine%5Flands/North%20Yuba.pdf">http://www.consrv.ca.gov/OMR/abandoned%5Fmine%5Flands/North%20Yuba.pdf</a>
Geology and Soils	Diggles, M.F., J.R. Rytuba, B.C.Moring, C.T. Wrucke, D.P. Cox, S.Ludington, R.P. Ashley, W.J. Pickthorn, C.T. Hillman, R.J. Miller	1996	Geology and Minerals Issues. Sierran 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.		Minerals in the Sierra Nevada range	DTA Bellingham
Geology and Soils	Eddy, Carol Ann.	1986	Petrology and geochemistry of the Yuba Rivers pluton, northwestern Sierra Nevada foothills, California. 1986; 1986Petrology and geochemistry of the Yuba Rivers pluton, northwestern Sierra Nevada foothills, California.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Federal Energy Regulatory Commission (FERC). 2009.	2009	Final Environmental Impact Statement (FEIS) for Relicensing of the South Feather Power (Project No. 2088-068)	FERC		Environmental details of South Feather Power Project	< <a href="http://www.ferc.gov/industries/hydropower/enviro/eis/2009/06-04-09.asp">http://www.ferc.gov/industries/hydropower/enviro/eis/2009/06-04-09.asp</a> > Accessed June 2009.
Geology and Soils	Flint, L. A. Guay J. R. Flint A. L. Curtis J. A. and Alpers C. N.	2005	Spatially distributed model of flow and sediment transport in the upper Yuba River watershed. Third Biennial USGS - UYRSP Progress report page 10 of 11 Nov. 15, 2005; Sacramento, CA. CALFED Bay-Delta Program Science Conference Abstracts; 2004: p. 78. (talk).		FWN PAD Questionnaire Response July 27, 2009		

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Geology and Soils	Flint, L. E. Guay J. R. Flint A. L. Curtis J. A. and C. N. Alpers.	2005	Influence of climate on flow and sediment transport in the upper Yuba River basin. American River Science Conference; Sacramento, Calif. 2005(talk).		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Flint, L. E. J. Curtis B. Wilkins S. Yarnell and E. Larsen.	2002	Watershed Characterization for Sediment Transport Studies in the Upper Yuba River Watershed . USGS Poster; 2002.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Flint, L.E., J.R. Guay, A.L. Flight, J.A. Curtis, and C.N. Alpers.	2004	Spatially Distributed Model of Flow and Sediment Transport in the Upper Yuba River Watershed	Abstract for 2004 CALFED Science Meeting.		Distributed-parameter model that was developed for the watershed as a tool for assessing the spatial distribution of sediment transport as it relates to fish habitat and influences of land-use practices, dam management, and climate.	DTA Bellingham
Geology and Soils	Fraser, W.A., and Howard, J.K.	2002	Guidelines for use of the Consequence-Hazard Matrix and selection of ground motion parameters	Division of Safety of Dams, Department of Water Resources, State of California			DTA Bellingham
Geology and Soils	Hacker, Bradley Russell.	1984	Stratigraphy and structure of the Yuba Rivers area, central belt, northern Sierra Nevada, California	Shields Library Microcopy Collection LD781.D5j 1984 H315.	FWN PAD Questionnaire Response July 27, 2009	Masters thesis discusses how the Cape Horn and Oregon Creek formations are displaced by three regionally extensive, steeply dipping Jurassic faults. Three petrographically distinct groups of plutons intrude the metamorphic rocks.	DTA Bellingham
Geology and Soils	Hunerlach, M. P. Alpers C. N. and Marvin-DiPasquale M.	2005	Mercury and methylmercury distribution in sediments affected by historical gold mining, Sierra Nevada, California, 15th Annual Goldschmidt Meeting (The Geochemical Society), Moscow, Idaho. abstract published in Geochimica et Cosmochimica Acta, v. 69, No. 10, Supplement 1, p. A707; 2005 (invited talk, not given cause of travel problems).		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Hunerlach, M. P. Alpers C. N. Marvin-DiPasquale M. Taylor H. E. and De Wild J. F.	2004	Geochemistry of fluvial sediment impounded behind Daguerre Point Dam, Yuba River, California. U.S. Geological Survey Scientific Investigations Report 2004-516, 66 p.; 2004. Notes: downloaded pdf		FWN PAD Questionnaire Response July 27, 2009		HDR DTA Sacramento
Geology and Soils	James Allan J.	2005	Sediment from hydraulic mining detained by Englebright and small dams in the Yuba Basin .	Geomorphology. doi:10.1016/j.geomorph.2004.02.016.		History of the Yuba watershed and resulting conditions pertinent to the feasibility of altering Englebright Dam.	DTA Bellingham
Geology and Soils	James Allan J. .	1989	Sustained Storage and Transport of Hydraulic Gold Mining Sediment in the Bear River, California	Annals of the Association of American Geographers; Volume 79( Issue 4): Page 570. (Abstract).	FWN PAD Questionnaire Response July 27, 2009	Large deposits of hydraulic gold mining sediment remain in main channels of the Bear River. Sustained storage and transport of hydraulic mining sediment in the Bear Basin are documented and a revised model of sediment transport is proposed.	DTA Bellingham
Geology and Soils	James, L. A.	2004	Tailings fans and valley-spur cutoffs created by hydraulic mining	Earth Surface Processes and Landforms 29 (7) : 869-882		Tailing fans, valley-spur cutoffs, and the sediment they trap are described from contemporary accounts and recent field conditions in the Bear River watershed. These anthropogenic changes represent a major shift in the watershed from supply-limited to transport-limited sediment budgets and a change in geomorphic processes away from long-term drainage evolution dominated by ingrown meanders.	DTA Bellingham
Geology and Soils	James, L. A. .	1995	Diversion of the Upper Bear River: Glacial Diffuence and Quaternary Erosion, Sierra Nevada, California	Geomorphology. 14: 131-148.		Morphologic evidence supports a hypothesis of dominantly sub-glacial erosion at an outlet glacier through the Yuba gorge where steep valley gradients, high shear stresses, and large meltwater discharges led to rapid erosion and formation of a deep V-shaped valley.	DTA Bellingham
Geology and Soils	James, L. A.; Harbor, J.; Fabel, D.; Dahms, D.; and Elmore, D.	2002	Late Pleistocene Glaciations in the Northwestern Sierra Nevada, California	Quaternary Research 57: 409-419.		Nine cosmogenic radionuclide surface exposure (CRSE) ages from striated bedrock along a steep valley transect average 14,100±1500 yr and suggest rapid late-glacial ice retreat from lower Fordyce Canyon with no subsequent extensive glaciations. These ages are generally consistent with glacial and pluvial records in east-central California and Nevada.	DTA Bellingham
Geology and Soils	James, L. Allan.	1988	Historical transport and storage of hydraulic mining sediment in the Bear River, California.	PHD thesis; University of Wisconsin - Madison. 284 pp.		PhD dissertation discusses the timing of hydraulic mining sediment production, the volume and character of deposits, channel responses during and after the influx of sediment, and sustained reworking of the sediment more than 100 years after its introduction.	DTA Bellingham
Geology and Soils	James, L.A.	1999	Time and the persistence of alluvium: River engineering, fluvial geomorphology, and mining sediment in California	Geomorphology 31: 265-290		Channel morphological changes in the Bear and American basins brought about by two episodes of sedimentation from hydraulic gold mining.	DTA Bellingham
Geology and Soils	James, L.A.	2003	Glacial erosion and geomorphology in the northwest Sierra Nevada, CA	Geomorphology 55 (1-4): 283-303		Description of glacially eroded features in the northwest Sierra and presents inferred linkages between erosional forms and Pleistocene glacial processes.	DTA Bellingham
Geology and Soils	James, L.A. .	1991	Quartz concentration as an index of sediment mixing: hydraulic mine-tailings in the Sierra Nevada, California	Geomorphology 4: 125-144.		Conceptual model that summarizes the nature of sediment mixing in the Bear River basin through time and space.	DTA Bellingham
Geology and Soils	James, L.A. .	1996	Polynomial and power functions for glacial valley cross-section morphology	Earth Surface Processes and Landforms 21: 413-432		Glacial, Geomorphology - This paper discusses an empirical evaluation of glacial trough cross-section shape that is performed on seven vertical cross-sections in three Sierra Nevada valleys glaciated during the late Quaternary. Power and second-order polynomial functions are fitted by statistical regression.	DTA Bellingham
Geology and Soils	James, L.A. and Jerry D. Davis.	1994	Glaciation and Hydraulic Gold-Mining Sediment in the Bear and South Yuba Rivers, Sierra Nevada: field trip guide, April 1-3, 1994				DTA Bellingham
Geology and Soils	Jenkins, Dennis Bruce.	1980	Petrology and structure of the slate creek ultramafic body, Yuba County, California; 1980 Petrology and structure of the slate creek ultramafic body, Yuba County, California.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Kondolf, G.M. And W.V. Mathews	1991	Management of Coarse Sediment in Regulated Rivers of California. University of California, Berkeley				HDR DTA Sacramento
Geology and Soils	Kondolf, G.M.	1995	Managing bedload sediment in regulated rivers: Examples from California, USA. Natural and Anthropogenic Influences in Fluvial Geomorphology	Geophysical Monograph 89. American Geophysical Union. 239 pp.		Contradictions of sediment management. Gravel extraction versus spawning gravel management and the disjunct between the two.	DTA Bellingham

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Resource Area	Author	Date	Title	Publisher	Source/Agency Recommendation	Summary Description	Location
Geology and Soils	Lindgren, W.	1911	Tertiary Gravels of the Sierra Nevada of California. U.S. Geological Survey Professional Paper 73; 1911.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	McCain, M. D. Fuller L. Decker and K. Overton.	1990	Stream Habitat Classification and Inventory Procedures for Northern California . Fish Habitat Relationships Currents, Fish Habitat Relationships Technical Bulletin . USDA Forest Service, San Francisco, California.; 1990. Notes: downloaded pdf		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Montgomery, D.R. and J.M. Buffington	1993	Channel classification table				<a href="http://www.fgmorph.com/fq_4_11.php">http://www.fgmorph.com/fq_4_11.php</a>
Geology and Soils	Montgomery, D.R. and J.M. Buffington	1993	Channel classification, prediction of channel response, and assessment of channel condition	Report TFW-SH10-93-002; prepared for the SHAMW committee of the Washington State Timber/Fish/Wildlife Agreement			DTA Bellingham
Geology and Soils	Montgomery, D.R. and J.M. Buffington	1997	Channel reach morphology in mountain drainage basins.	GSA Bulletin 109: 596-611			DTA Bellingham
Geology and Soils	Nevada Irrigation District	2009	Technical Memorandum 3-5 Instream Flow, Attachment 305A Habitat Mapping and Channel Characterization Report for the Yuba-Bear Hydroelectric Project, FERC Project No. 2266	NID		data compiled from aerial videos, ground mapping, geologic, and topographic maps to assess habitat in Project streams of NID Yuba-Bear Project	DTA Bellingham
Geology and Soils	Pacific Gas & Electric	2009	Technical Memorandum 3-5 Instream Flow, Attachment 305A Habitat Mapping and Channel Characterization Report for the Yuba-Bear Hydroelectric Project, FERC Project No. 2310	PG&E		data compiled from aerial videos, ground mapping, geologic, and topographic maps to assess habitat in Project streams of PG&E's Drum-Spaulding Project	DTA Bellingham
Geology and Soils	PG&E Geosciences Department and Piedmont GeoSciences, Inc.	2003	Regional Geology, Seismicity, and General Ground Motion Consideration for the Drum/Spaulding Hydroelectric System: Placer and Nevada Counties, California. July 31, 2003. Prepared for Hydro Generation Department of PG&E.	PG&E		Compiles and summarizes the existing geologic and seismic information for the Drum/Spaulding hydroelectric system. This report accompanies a series of reports that utilize the available information to estimate seismic ground motions at 15 of the larger dams in the system.	DTA Bellingham
Geology and Soils	Rosgen, D.L.	1996	Applied River Morphology	Wildland Hydrology, Pagosa Spring, Colorado		Classification system for rivers	DTA Bellingham
Geology and Soils	Saucedo, G.J. and D.L. Wagner (compilers)	1992	Geological Map of the Chico Quadrangle;	California Dept of Cons., Division of Mines and Geology		Geologic map of the Chico area.	DTA Bellingham
Geology and Soils	Schweickert, R.A., N.L. Bogen, G.H. Birty, R.E. Hanson, and C. Merquerian.	1984	Timing and structural expression of the Nevadan Orogeny, Sierra Nevada, California.	GSA Bulletin v. 95; no.8; p. 967-979.		Sierra Nevada orogeny	DTA Bellingham
Geology and Soils	Sierra Nevada Ecosystem Project	1996	Status of the Sierra Nevada Ecosystem Project Final Report to Congress	Regents of the University of California.		The website provides portions of the report by resource area. Click on "Index to Online Documents" and each section of the report is provided in pdf format.	<a href="http://ceres.ca.gov/snep/">http://ceres.ca.gov/snep/</a>
Geology and Soils	Snyder, N.P.	2006	Using Stratigraphic and Hydrologic Data from the Yuba River System to Develop Reliable Sediment Transport Predictions			In 1998, a CALFED task force recommended studying the feasibility of removing or lowering the Englebright Dam to return steelhead trout and springrun salmon to the Upper Yuba River.	<a href="http://repositories.cdlib.org/csqc/rp/CFSny0601">http://repositories.cdlib.org/csqc/rp/CFSny0601</a>
Geology and Soils	Snyder N.P., Charles N. Alpers, Lorraine E. Flint, Jennifer A. Curtins, Margaret A. Hampton, Brian J. Haskell, and Dennis L. Nielson	2004	Report on the May-June 2002 Englebright Lake deep coring campaign: USGS Open-File Report 2004-1061. 10 pp.	USGS Open-File Report 2004-1061. 10 pp.	FWN PAD Questionnaire Response July 27, 2009		<a href="http://pubs.usgs.gov/of/2004/1061/">http://pubs.usgs.gov/of/2004/1061/</a>
Geology and Soils	Snyder, N. P., S. A. Wright, C. N. Alpers, L. E. Flint, C. W. Holmes, and D. M. Rubin	2006	Reconstructing depositional processes and history from reservoir stratigraphy: Englebright Lake, Yuba River, northern California	J. Geophys. Res., 111, F04003, doi:10.1029/2005JF000451.	FWN PAD Questionnaire Response July 27, 2009	Analyzed sediment cores from Englebright Lake in the context of hydrologic history, climate variation, and depositional processes.	abstract: <a href="http://www.aqu.org/pubs/crossref/2006/2005JF000451.shtml">http://www.aqu.org/pubs/crossref/2006/2005JF000451.shtml</a>
Geology and Soils	Snyder, N.P. and M.A. Hampton	2003	Preliminary Cross Section of Englebright Lake Sediments:	Open-File Report 03-397. Poster. Santa Cruz, California.	FWN PAD Questionnaire Response July 27, 2009	Poster presents a cross-sectional portrait of the reservoir sediments, and explains how the figure was produced by integrating historic, field, and laboratory data sets.	<a href="http://geopubs.wr.usgs.gov/open-file/of03-397/">http://geopubs.wr.usgs.gov/open-file/of03-397/</a>
Geology and Soils	Snyder, N.P., D.M. Rubin, C.N. Alpers, J.R. Childs, J.A. Curtis, L.E. Flint, and S.A. Wright	2004	Estimating accumulation rates and physical properties of sediment behind a dam: Englebright Lake, Yuba River, northern California	Water Resources Research, Vol. 40: W11301, doi:10.1029/2004WR003279. 19 pp.	FWN PAD Questionnaire Response July 27, 2009	Results of a thorough quantification of the contents of Englebright Lake, accomplished by extrapolating data from an extensive coring campaign. It also discusses the limitations of the methods and results, and their implications for a local habitat restoration program and future reservoir studies.	<a href="http://www2.bc.edu/%7Esnnyder/snyder_et_al_2004.pdf">http://www2.bc.edu/%7Esnnyder/snyder_et_al_2004.pdf</a>
Geology and Soils	Snyder, N.P., D.M. Rubin, C.N. Alpers, J.R. Childs, J.A. Curtis, L.E. Flint, and S.A. Wright	2004	Rates and history of sediment accumulation behind Englebright Dam,	Abstract for 2004 CALFED Science Conference.		Quantified the mass, physical properties, and emplacement history of the material deposited behind Englebright Dam.	<a href="http://www.aqu.org/pubs/crossref/2004/2004WR003279.shtml">http://www.aqu.org/pubs/crossref/2004/2004WR003279.shtml</a>
Geology and Soils	Snyder, N.P., D.M. Rubin, C.N. Alpers, J.R. Childs, J.A. Curtis, L.E. Flint, and S.A. Wright	2004	Sediment grain-size and loss-on-ignition analyses from 2002 Englebright Lake coring and sampling campaigns	USGS Open-File Report 2004-1080. 46 pp.	FWN PAD Questionnaire Response July 27, 2009	Sedimentologic data from three 2002 sampling campaigns conducted in Englebright Lake. This work was done to assess the properties of the material deposited in the reservoir between completion of Englebright Dam in 1940 and 2002, as part of the Yuba River Studies Program.	<a href="http://pubs.usgs.gov/of/2004/1080/">http://pubs.usgs.gov/of/2004/1080/</a>
Geology and Soils	STATSGO	2008	U.S. General Soil Map for California.	Soil Survey Staff, Natural Resources Conservation Service, USDA		Soil data for the Project Area	<a href="http://soildatamart.nrcs.usda.gov">http://soildatamart.nrcs.usda.gov</a>
Geology and Soils	SYRCL	In Press	SYRCL - Geomorphic and Hydrologic Analysis of Lower Yuba Reach between Daguerre and Hammond Park (Goldfields) – Expected release December 2009		SYRCL PAD Questionnaire Response July 17, 2009		
Geology and Soils	Three Rivers Levee Improvement Authority (TRLIA)	2006	Draft Environmental Impact Report for the Feather River Levee Repair Project, an element of the Yuba-Feather Supplemental Flood Control Project. Prepared by EDAW Flood Control Study Team. August. Chapter 5-3 - Water Resources	State Clearinghouse No. 2006062071.		Environmental details of Feather River Levee	<a href="http://www.trlia.org/Feather%20River%20EIR.asp">http://www.trlia.org/Feather%20River%20EIR.asp</a>

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Geology and Soils	Tinker, K. and E. Wohl	1998	A Primer on Berock Channels IN: Rivers over Rock: Fluvial Processes in Bedrock Channels.	Geophysical Monograph 107, American Geophysical Union. 323 pp.			DTA Bellingham
Geology and Soils	United States Forest Service (USFS).	2002	South Yuba Watershed Assessment	USDA Forest Service, Tahoe National Forest		Description of ecological, social, and physical characteristics of the South Yuba Forest Service lands	DTA Bellingham
Geology and Soils	United States Geological Service (USGS)	2007	Bear-Yuba Watersheds Interagency Abandoned Mine Lands Project	USGS		Website contains links to USGS reports and papers regarding mercury contamination related to abandoned mines in the Yuba-Bear watershed.	<a href="http://ca.water.usgs.gov/mercury/bear-yuba/">http://ca.water.usgs.gov/mercury/bear-yuba/</a>
Geology and Soils	Upper Yuba River Studies Program Team.	2003	Interim Report; Summary of Current Conditions in the Yuba Watershed. October 2003.		FWN PAD Questionnaire Response July 27, 2009	Includes discussion and statistics concerning sediment processes, water quality, hydrology and fish passage. Salmon, Steelhead Fish Passage- This document presents information that is the result of preliminary data collection and field studies conducted by the Study Team to characterize current conditions in the Yuba River watershed and assess the potential for the river upstream of Englebright Dam to support wild Chinook salmon and steelhead.	DTA Sacramento; DTA Bellingham
Geology and Soils	US Geological Survey	Various	USGS Bathymetric geophysical surveys on Englebright Lake.		FWN PAD Questionnaire Response July 27, 2009	Data and discussion of debris sedimentation in Englebright Reservoir and possible results of removing Englebright Dam.	
Geology and Soils	Wakabayashi, J. and T. Sawyer.	2001	Stream Incision, Tectonics, Uplift, and Evolution of Topography of the Sierra Nevada, California .	Journal of Geology; 109(5): 539-562.	FWN PAD Questionnaire Response July 27, 2009	How stream incision, faulting, thermochronologic, and geobarometric data suggest that Sierra Nevada topography is a consequence of two periods of uplift.	DTA Bellingham
Geology and Soils	WE&T (Water Engineering & Technology, Inc.)	1991	Geomorphic Analysis. and Bank Protection Alternatives for Sacramento River (RM 0-78), Feather River (RM 28-61), Yuba River (RM 0-11), Bear River (RM 0-17), American River (RM 0-23), and portions of Three Mile, Steamboat, Sutler, Miner, Georgiana, Elk and Cache Sloughs.	Prepared for: U.S. Army Corps of Engineers, Sacramento District, Sacramento, California. Contract No. DACW05-88-D-Q044, Delivery Order #14, (Modifications #01,#02), Delivery Order #15.		Prepared by Water Engineering & Technology, Inc., 419 Canyon Avenue, Suite 225, Fort Collins, Colorado 80521	DTA Bellingham
Geology and Soils	WFPB (Washington Forest Practices Board)	1995	Board Manual: Standard Methodology for Conducting Watershed Analysis. Version 3.0. November 1995.	Washington Department of Natural Resources			DTA Bellingham
Geology and Soils	Yuan, G.	1979	The Geomorphic Development of an Hydraulic Mining Site in Nevada County, California. Unpublished Masters Thesis ed.. Palo Alto : Applied Earth Sciences epartment. Stanford University; 1979.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	SYRCL	In Press	SYRCL Spatial Analysis of Yuba Rivers and Risk Assessment – Expected release April 2009		SYRCL PAD Questionnaire Response July 17, 2009		
Geology and Soils	Ayres Associates	1997	Yuba River Basin, California Project. Prepared for the U.S. Army Corps of Engineers, Sacramento District, Contract No. DACW05-92-C-0077; 1997.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	EDAW and Flood Control Study Team	2004	Three Rivers Levee Improvement Authority. 2004. Final Environmental Impact Report for the Feather-Bear Rivers Levee Setback Project, an Element of the Yuba-Feather Supplemental Flood Control Project. (State Clearinghouse No. 2004072113.) Prepared by EDAW and Flood Control Study Team. November 2004.		SYRCL PAD Questionnaire Response July 17, 2009 Note this document has been updated. See Geology		<a href="http://www.trlia.org/Feather%20River%20EIR.as">http://www.trlia.org/Feather%20River%20EIR.as</a>
Geology and Soils	EDAW, Jones and Stokes and Flood Control Study Team.	2003	Environmental Impact Report for the Yuba-Feather Supplemental Flood Control Project. Prepared for Yuba County Water Agency; 2003; State Clearinghouse # 2001072062.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Monohan, Carrie.	2007	Data Gaps Analysis on the Yuba and Bear Rivers. Foothills Water Network. March 30, 2007.		FWN PAD Questionnaire Response July 27, 2009	Data Gaps Analysis on the Yuba and Bear Rivers. Foothills Water Network. March 30, 2007.	On FWN disc (pending)
Geology and Soils	Pacific Stewardship Council	2007	Pacific Stewardship Council Narrows Planning Area. November 2007.		FWN PAD Questionnaire Response July 27, 2009	Pacific Stewardship Council Narrows Planning Area. November 2007.	On FWN disc (pending)
Geology and Soils	Yarnell, Sarah et al.	2008	Ecology and Management of the Spring-Snowmelt Recession. Draft April 2008.			Ecology and Management of the Spring-Snowmelt Recession. Draft April 2008.	On FWN disc (pending)
Geology and Soils	Yuba County Water Agency	2002	Initial Study and Proposed Mitigated Negative Declaration Feasibility of Tailwater Depression at New Colgate Powerhouse. An Element of the Yuba-Feather Supplemental Flood Control Project. Prepared by EDAW and Flood Control Study Team. September 2002.		SYRCL PAD Questionnaire Response July 17, 2009; FWN PAD Questionnaire July 27, 2009	In addition to information on the operation and construction of Colgate, the study has tables of powerhouse, releases, storage and stage at New Bullards Bar and river flows at Colgate and below Englebright from 1/17/74 through 1/9/97.	
Geology and Soils	Yuba County Water Agency	2003	Proposed Negative Declaration for Narrows II Flow Bypass System Project 20050329- 4019(8515506), Prepared for YCWA by EDAW, November 26, 2003		FWN PAD Questionnaire Response July 27, 2009	Proposed Negative Declaration for Narrows II Flow Bypass System Project 20050329-4019(8515506), Prepared for YCWA by EDAW, November 26, 2003	
Geology and Soils	Yuba County Water Agency.	1998	Narrows II Powerhouse Intake Extension: Proposed Mitigated Negative Declaration and Initial Study. Marysville CA: Yuba County Water Agency. October 1998.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Anonymous	1998	Feasibility Report, Yuba River Basin Investigation, California. 1998.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Anonymous	1998	Feasibility Report, Yuba River Basin Investigation, California. 1998.		FWN PAD Questionnaire Response July 27, 2009		
Geology and Soils	Anonymous	1965?	Yuba River Story.		SYRCL PAD Questionnaire Response July 17, 2009	Includes statistics and photographs of YRDP construction.	
Geology and Soils	Yuba County Water Agency, Department of Water Resources, and Bureau of Reclamation	2007	Final Environmental Impact Report/Environmental Impact Statement for the Proposed Lower Yuba River Accord. October	Prepared by HDR & Surface Water Resources, Inc		Document details how Yuba River flow management affects species that occur within the watershed	<a href="http://www.usbr.gov/mp/nepa/nepa_projdetails.cfm?Project_ID=2549">http://www.usbr.gov/mp/nepa/nepa_projdetails.cfm?Project_ID=2549</a>