

**STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD**

**In the matter of:
July 17, 2020 Water Quality Certification For Federal Permit Or License
for Yuba County Water Agency
Yuba River Development Project (FERC No. 2246)**

INDEX OF APPENDICES AND ATTACHMENTS

in support of

**YUBA COUNTY WATER AGENCY'S PETITION FOR
RECONSIDERATION OF JULY 17, 2020 WATER QUALITY
CERTIFICATION FOR FEDERAL PERMIT OR LICENSE**

<u>App./ Att. No.</u>	<u>Description of Document</u>
A	Technical Memorandum On Condition 20 – Fish Passage
A1	Addley, Craig, Katie Ross-Smith, Peter Graff. 2013. Yuba Salmon Forum Summary Habitat Analysis. Cardno Entrix. 2013
A2	Alder, Lori Lynn, 1980. Adjustment of the Yuba River, California, to the Influx of Hydraulic Mining Debris, 1849-1979. Thesis submitted, University of California Los Angeles. 1980.
A3	Alpers, C.N., Hunerlach, M.P., Marvin-DiPasquale, M.C., Antweiler, R.C., Lasorsa, B.K., De Wild, J.F., and Snyder, N.P., 2006, Geochemical data for mercury, methylmercury, and other constituents in sediments from Englebright Lake, California, 2002: U.S. Geological Survey Data Series 151, 95 p.
A4	CSPA. 2013. https://calsport.org/news/we-need-to-get-salmon-upstream-of-central-valley-rim-dams/
A5	Hagwood, Joseph J. The California Debris Commission, A History of Hydraulic Mining. US Army Corps of Engineers (USACOE). 1961.
A6	Gilbert, Grove Karl. Hydraulic-Mining Debris in the Sierra Nevada. Professional Paper 105. Washington, D.C.: Government Printing Office, 1917
A7	Kearns & West. 2010. Appendix B, Yuba River Multi Party Forum Convening Process List of Individuals Contacted/Interviewed. Kearns & West Inc. September 2010.

<u>App./ Att. No.</u>	<u>Description of Document</u>
A8	McMillen Jacobs Associates. 2019. Yuba Salmon Partnership Independent Project Review Report (Revised Final Report). McMillen Jacobs Associates for the Yuba Salmon Partnership. August 2019.
A9	MWH Americas, Inc. 2013. Assessment of Infrastructure and Related Items to Support Anadromous Fish Passage to the Yuba River Watershed. March 2013. MWH Americas, Inc.
A10	Snyder, Noah P.; Rubin, David M.; Alpers, Charles N.; Childs, Jonathan R.; Curtis, Jennifer A.; Flint, Lorraine E.; and Wright, Scott A., "Estimating accumulation rates and physical properties of sediment behind a dam: Englebright Lake, Yuba River, northern California" (2004). USGS Staff -- Published Research. 489.
A11	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.
A12	Stillwater Sciences. 2012. Modeling habitat capacity and population productivity for spring-run Chinook salmon and steelhead in the Upper Yuba River watershed. Technical Report. Prepared by Stillwater Sciences, Berkeley, California for National Marine Fisheries Service, Santa Rosa, California.
A13	Upson, Geoffrey. 2012. Potential physical and chemical impacts to downstream habitat and fisheries from the discharge of sediments impounded behind the Englebright Lake and Daguerre Point Dams, for the Yuba Salmon Forum. February 2012. MWH Americas, Inc.
A14	Various. May 2014, Dec 2015. "Combined Presentations", Presentations to and between stakeholders of the YSF and YSP.
A15	Yuba Salmon Forum. 2014. YSF Most Promising Actions Compilation. Yuba Salmon Forum.
A16	Yuba Salmon Partnership. 2020. Summary of the Yuba Salmon Partnership (YSP) Program 2014 – 2019. Yuba Salmon Partnership. July 2020.
B	Appendix B Technical Memorandum On Condition 1 – Flows
B1	Technical memorandum – Modeling Approach
B2	Technical memorandum – Modeling Approach Appendix

<u>App./ Att. No.</u>	<u>Description of Document</u>
B3	National Marine Fisheries Service (NMFS). 2013. Biological Opinion on the Effects of Proposed Klamath Project Operations from May 31, 2013, through March 31, 2023, on Five Federally Listed Threatened and Endangered Species.
B4	River Management Team (RMT). 2013. Aquatic Resources of the Lower Yuba River – Past, Present & Future, Yuba Accord Monitoring and Evaluation Program, Draft Interim Report. April 2013.
B5	State of California. State Water Resources Control Board. 2018 Framework for the Sacramento/Delta Update to the Bay-Delta Plan. July 6, 2018. https://www.waterboards.ca.gov/waterrights/water_issues/programs/bay_delta/docs/sed/sac_delta_framework_070618%20.pdf
B6	United States Environmental Protection Agency (EPA). 2003. EPA Region 10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards. EPA 910-B-03-002. Seattle, WA: Region 10 Office of Water.
B7	Yuba County Water Agency (YCWA). 2012. Technical Memorandum 2-2, Water Balance/Operations Model. Yuba River Development Project FERC Project No. 2246. Available at. http://www.ycwa-relicensing.com .
B8	YCWA. 2013. Technical Memorandum 2-6, Water Temperature Models. Yuba River Development Project FERC Project No. 2246. Available at. http://www.ycwa-relicensing.com .
B9	YCWA. 2013. Technical Memorandum 7-10, Instream Flow Downstream of Englebright Dam. Yuba River Development Project FERC Project No. 2246. Available at. http://www.ycwa-relicensing.com .
	Yuba Salmon Forum (YSF). 2013. Summary Habitat Analysis. Prepared for the Yuba Salmon Forum Technical Working Group. Prepared by C. Addley, K. Ross-Smith, and P. Graf. September 2013. (<u>Note</u> : This document is Attachment A1.)
B10	YRDP Model V1.54.1 (WQC Scen1) – excel file
B11	YRDP Model V1.54.1 (WQC Scen2) – excel file
B12	YRDP Model V1.54.1 (WQC Scen3) – excel file
C	Technical Memorandum On Condition 12 – Lower Yuba River Habitat Restoration
	Adler, L. L. 1980. Adjustment of the Yuba River, California, to the Influx of Hydraulic Mining Debris, 1849-1979. A Thesis Submitted in Partial Satisfaction

<u>App./ Att. No.</u>	<u>Description of Document</u>
	of the Requirement for the Degree Master of Arts in Geography. (<u>Note: This document is Attachment A2.</u>)
C1	Beak Consultants, Inc. 1989. Yuba River Fisheries Investigation, 1986-1988. Summary Report of Technical Studies on the Lower Yuba River, California. Prepared for State of California Resources Agency, Department of Fish and Game.
C2	CALFED and YCWA. 2005. Draft Implementation Plan for Lower Yuba River Anadromous Fish Habitat Restoration. Multi-Agency Plan to Direct Near-Term Implementation of Prioritized Restoration and Enhancement Actions and Studies to Achieve Long-Term Ecosystem and Watershed Management Goals. Prepared by Lower Yuba River Fisheries Technical Working Group. October 2005.
C3	cbec and McBain & Trush. 2010. Rehabilitation Concepts for the Parks Bar to Hammon Bar Reach of the Lower Yuba River. Prepared for the South Yuba River Citizens League. Project No. 08-1021. Funding Provided by the U.S. Fish and Wildlife Service, Anadromous Fish Restoration Program. July 2010.
C4	Elwell, R. F., 1962. King Salmon Spawning Stocks in California's Central Valley, 1961. The Resources Agency of California, Department of Fish and Game. Marine Resources Branch Administrative Report 62-5. September 12, 1962.
	Gilbert, G. K. 1917. Hydraulic-Mining Debris in the Sierra Nevada. U.S. Department of the Interior. United States Geological Survey. Professional Paper 105. Washington Government Printing Office. (<u>Note: This document is Attachment A6.</u>)
C5	James, L.A. 2013. Historical geomorphic and land-use/land-cover reconstructions for the lower Yuba River based on cartometrics and remote sensing. In Press: Final report to the Yuba County Water Agency, Yuba River Development Project FERC Project No. 2246.
C6	James, L. A., M. B. Singer, S. Ghoshal, and M. Megison. 2009. Historical Channel Changes in the Lower Yuba and Feather Rivers, California: Long-Term Effects of Contrasting River-Management Strategies. In: James, L. A., S. L. Rathburn, and G. R. Whittecar (eds.), Management and Restoration of Fluvial Systems with Broad Historical Changes and Human Impacts: Geological Society of America Special Paper. Volume 451: 57-81.
C7	Mahoney, J. 1962. 1960 King Salmon Spawning Population Estimates for the Sacramento-San Joaquin River Systems. The Resources Agency of California, Department of Fish and Game. Marine Resources Branch Administrative Report 62-1. February 1, 1962.

<u>App./ Att. No.</u>	<u>Description of Document</u>
C8	Mansfield, S. M., W. H. Heuer, and H. Deakyne. 1900. Protection of Sacramento and Feather Rivers, California. House Document 431, 56th Congress. 1st Session.
C9	Mendell, G.H. 1881. Report upon a project to protect the navigable waters of California from the effects of hydraulic mining. House Doc. 98, 47th Congress, 1st Session AS CITED IN: James, L.A. 2013. Historical geomorphic and land-use/land-cover reconstructions for the lower Yuba River based on cartometrics and remote sensing. In Press: Final report to the Yuba County Water Agency, Yuba River Development Project FERC Project No. 2246.
C10	National Marine Fisheries Service. 2014. Recovery Plan for the Evolutionarily Significant Units of Sacramento River Winter-run Chinook Salmon and Central Valley Spring-run Chinook Salmon and the Distinct Population Segment of California Central Valley Steelhead. California Central Valley Area Office. July 2014.
C11	Pasternack, G. B., 2010. Gravel/Cobble Augmentation Implementation Plan (GAIP) for the Englebright Dam Reach of the Lower Yuba River, CA. Prepared for the U.S. Army Corps of Engineers Sacramento District. September 30, 2010.
C12	Payne, Thomas. 2003. The Concept of Weighted Usable Area as Relative Suitability Index. IFIM Users Workshop, 1-5 June 2003, Fort Collins.
	River Management Team (RMT). 2013. Aquatic Resources of the Lower Yuba River – Past, Present & Future, Yuba Accord Monitoring and Evaluation Program, Draft Interim Report. April 2013. (<u>Note: This document is Attachment B4.</u>)
	State of California. State Water Resources Control Board. 2018 Framework for the Sacramento/Delta Update to the Bay-Delta Plan. July 6, 2018. (<u>Note: This document is Attachment B5.</u>)
C13	State of California. State Water Resources Control Board (SWRCB REA Comments). 2017. Comments on Ready for Environmental Analysis and Preliminary Terms and Conditions for Yuba River Development Project, Federal Energy Regulatory Commission Project No. 2246; Yuba and Nevada Counties. Dated August 25, 2017.
C14	Wooster, T. W., 1963. Fish and Wildlife in Relation to Proposed Water Developments on the Lower Yuba River. The Resources Agency of California Department of Fish and Game, Region II. Water Projects Branch Administrative Report 63-2. Submitted May 1963.
C15	Wooster, T. W., and R. H. Wickwire. 1970. A report on the fish and wildlife resources of the Yuba River to be affected by the Marysville Dam and Reservoir and Marysville Afterbay and measures proposed to maintain these resources.

<u>App./ Att. No.</u>	<u>Description of Document</u>
	California Department of Fish and Game, Environmental Services, Administrative Report No. 70-4. Sacramento, CA.
C16	Yoshiyama, R. M., E. R. Gerstung, F. W. Fisher, and P. B. Moyle. 2001. Historical and Present Distribution of Chinook Salmon in the Central Valley Drainage of California. Contributions to the Biology of Central Valley Salmonids. Fish Bulletin 179, Volume 1.
	Yuba County Water Agency (YCWA). 2013. Yuba River Development Project FERC Project No. 2246 Technical Memoranda. Available. http://www.ycwa-relicensing.com .(Note: This document is Attachment B7,B8,B9.)
C17	Yuba County Water Agency (YCWA). 2017. Response to Comments, Recommendations, Preliminary Terms and Conditions, and Preliminary Fishway Prescriptions (YCWA's Response). Yuba River Development Project, FERC Project No. 2246-065. Dated October 9, 2017.
C18	Yuba County Water Agency (YCWA). 2017. Applicant-Prepared Draft Biological Assessment for Central Valley Spring-Run Chinook Salmon, Central Valley Steelhead and North American Green Sturgeon. June 2017. Yuba River Development Project FERC Project No. 2246. Available at. http://www.ycwa-relicensing.com .
D	Technical Memorandum On Condition 6 – Closures At Lohman Ridge Diversion Tunnel
E	Technical Memorandum On Condition 7 – New Colgate Power Tunnel Intake
	State of California. State Water Resources Control Board (SWRCB). 2017. Comments on Ready for Environmental Analysis and Preliminary Terms and Conditions for Yuba River Development Project, Federal Energy Regulatory Commission Project No. 2246; Yuba and Nevada Counties. Dated July 17, 2020.(Note: This document is Attachment C13.)
E1	Simulated Water Temperatures Under Various Project Operations
	United States Environmental Protection Agency (EPA). 2003. EPA Region 10 Guidance for Pacific Northwest State and Tribal Temperature Water Quality Standards. EPA 910-B-03-002. Seattle, WA: Region 10 Office of Water.(Note: This document is Attachment B6.)

<u>App./ Att. No.</u>	<u>Description of Document</u>
	Yuba Accord River Management Team (RMT). 2013. Aquatic Resources of the Lower Yuba River – Past, Present & Future, Yuba Accord Monitoring and Evaluation Program, Draft Interim Report. April 2013. (Note: This document is Attachment B4.)
E2	Yuba County Water Agency (YCWA). 2000a. Exhibit S-YCWA-11. Testimony of Donn A. Wilson. 2000 State Water Resources Control Board Lower Yuba River Hearing.
E3	Yuba County Water Agency. 2000b. Exhibit S-YCWA-18. Testimony of Stephen Grinnell, P.E., Yung-Hsin Sun, Ph.D., and Stuart Robertson, P.E., Lower Yuba River: Assessment of Proposed Water Temperature Requirements, prepared for Yuba County Water Agency, prepared by Bookman-Edmonston Engineering, Inc. 2000 State Water Resources Control Board Lower Yuba River Hearing.
	Yuba County Water Agency. 2013. Technical Memorandum 2-6, Water Temperature Models. Yuba River Development Project FERC Project No. 2246. Available at. http://www.ycwa-relicensing.com . (Note: This document is Attachment B8.)
	Yuba County Water Agency. 2017a. Response to Comments, Recommendations, Preliminary Terms and Conditions, and Preliminary Fishway Prescriptions (YCWA's Response). Yuba River Development Project, FERC Project No. 2246-065. October 9, 2017.(Note: This document is Attachment C17.)
	_____. 2017b. Applicant-Prepared Draft Biological Assessment for Central Valley Spring-Run Chinook Salmon, Central Valley Steelhead and North American Green Sturgeon. June 2017. Yuba River Development Project FERC Project No. 2246. Available at. http://www.ycwa-relicensing.com .(Note: This document is Attachment C18.)
	Yuba Salmon Forum (YSF). 2013. Summary Habitat Analysis. Prepared for the Yuba Salmon Forum Technical Working Group. Prepared by C. Addley, K. Ross-Smith, and P. Graf. September 2013. (Note: This document is Attachment A1.)
E4	United States Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service (NMFS). 2014. Recovery Plan for the Evolutionarily Significant Units of Sacramento River Winter-run Chinook Salmon and Central Valley Spring-run Chinook Salmon and the Distinct Population Segment of California Central Valley Steelhead. California Central Valley Area Office. July 2014.

<u>App./ Att. No.</u>	<u>Description of Document</u>
F	Technical Memorandum On Yuba County Profile And Role Of Yuba County Water Agency In Supporting Disadvantaged Communities
F1	Applied Development Economics, Inc., Draft Yuba County Fiscal Report Prepared for Yuba Water Agency, July 2020, Yuba Water Agency, July 2020, https://go.boarddocs.com/ca/ycwa/Board.nsf/files/BSEL6E550060/\$file/Yuba%20County%20Fiscal%20Report_Public%20Draft%20060120.pdf
F2	Applied Development Economics, Inc., Draft Yuba County Economic Strategic Plan Prepared for Yuba Water Agency, July 2020, https://www.yubawater.org/DocumentCenter/View/4652/Yuba-Water-Draft-Economic-Development-Strategy
	U.S. Census Bureau, American Community Survey, 2014—2018 ACS 5-Year Data Profile (Yuba County), accessed July 29, 2020, https://www.census.gov/acs/www/data/data-tables-and-tools/data-profiles/2018/ .
	U.S. Census Bureau, American Community Survey, California Estimated Median Household Income, 2018. Calculations generated by StatsAmerica, Federal Financial Institutions Examination Council, accessed July 29, 2020, https://www.ffiec.gov/calculators.htm .
	U.S. Bureaus of Census, Labor Statistics, and Economic Analysis, accessed July 29, 2020, https://www.bls.gov/opub/hom/emp/data.htm .
	Yuba-Sutter Economic Development Corporation, Yuba County Demographics, Consumer Expenditures and Labor Force, accessed July 29, 2020, http://www.chooseyubasutter.com/demographics.html .
G	Technical Memorandum On Projected Groundwater Impacts
G1	California Department of Water Resources. 2020. Well Completion Reports – Datasets. July. https://data.cnra.ca.gov/dataset/well-completion-reports . Accessed: August 2020.
	State Water Resources Control Board. 2018. <i>July 2018 Framework for the Sacramento/Delta Update to the Bay-Delta Plan</i> . (Note: This document is Attachment B5.)
G2	Yuba Water Agency. 2019. Yuba Subbasins Water Management Plan: A Groundwater Sustainability Plan. December.

<u>App./ Att. No.</u>	<u>Description of Document</u>
	https://www.yubawater.org/DocumentCenter/View/4441/Yuba_GSP_Final-ES . Accessed: August 2020.
L1	Declaration of C. Aikens 2020-08-11
L2	SWRCB letter to YCWA denying 401 cert. app. 2019-07-31
L3	Letter to Sobeck SWRCB regarding draft WQC 2020-07-13
L4	FERC Wavier Order 2020-05-21
L5	SWRCB's request to FERC for rehearing 2020-05-21
L6	FERC denial of SWRCB's request for rehearing 2020-07-21
L7	National Fuel Gas Supply
L8	Congress authorized Englebright's construction in the 1935 Rivers & Harbors Act, based on the recommendations of the U.S. Army Corps of Engineers. (P.L. 74-409 (Act of August 30, 1935)
L9	Supplemental Analysis To Accompany Resolution No. R1-2007-0028 In The Matter Of Petition To The North Coast Regional Water Quality Control Board To: 1) Order Pacificorp To Submit A Report Of Waste Discharge And/Or 2) Issue Waste Discharge Requirements For Iron Gate And Copco Hydroelectric Facilities (Sept. 9, 2008)
L10	Hanek & Stryjewski, California's Water Market, By the Numbers: Update 2012 (Public Policy Inst. of Cal., Nov. 2012
L11	Agreement For The Supply And Conveyance Of Water By The Department Of Water Resources Of The State Of California To The San Luis & Delta Mendota Water Authority Under The Dry Year Water Purchase Program, dated December 21, 2007, pp. 2-3
L12	San Luis & Delta-Mendota Water Authority Member Agencies Map

<u>App./ Att. No.</u>	<u>Description of Document</u>
L13	Testimony of Frances Mizuno
L14	DWR Bulletin 132-13 Management Of The California State Water Project
L15	Management Of The California State Water Project Bulletin 132-14 - November 2015
L16	Bulletin 132-15 Management of the California State Water Project
L17	Bulletin 132-16 Management of the California State Water Project
L18	Bulletin 132-17 Management Of The California State Water Project
P1	Water Quality Certification for Federal Permit or License
P2	Letter to E. Sobeck Requesting the Preparation of the Administrative Record
P3	Lower Yuba River Water Temperature Table
P4	Email to E. Sobeck 2020-08-14

Dated: August 14, 2020

Respectfully submitted,

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By: _____
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