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APPENDIX A
Bibliography

Upper Arkansas Library All Records Report

Doc No.	Title	Author	Date	Reference	Key Words
D00387	Improvements to the Upper Arkansas River Attributable to Operation of the Leadville Mine Drainage Tunnel Treatment Plant	Abart, E.M., N.L. Nelson, S.M. Nelson, R.A. Roline, and J. Yahnke	1996	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Report R-96-06	metals, Leadville mine drainage tunnel, arkansas river, water, aquatic
D00388	Leadville Mine Drainage Tunnel Effluent Effects on the Arkansas River, 1965-92	Abart, E.M., R.J. Eisenhauer, S. Hunt, H.T. Jong, F.B. Leitz, S.M. Nelson, and R.A. Roline	1995	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Report R-95-10	metals, Leadville mine drainage tunnel, arkansas river, water, aquatic
D00001	Description of Water-Systems Operations in the Arkansas River Basin, Colorado	Abbott, P. O.	1985	U. S. Geological Survey, Water-Resources Investigations Report 85-4092	Hydrology, Water Projects, Arkansas River Basin, Colorado
D00501	Sediment Quality and Aquatic Life Assessment	Adams, W.J., R.A. Kimerle, and J.W. Barnett Jr.	1992	ES& T Series opinion paper	sediment, aquatic, toxicology, metals,
D00002	Trace Elements in the Terrestrial Environment (Cover only)	Adriano, D.	1986	Spring-Verlag, Inc., New York, pp.533	Terrestrial Environment, metals
D00547	Placer Mining and Water Quality (excerpts from document)	Alaska Department of Environmental Conservation	1979	Alaska Dept. of Environmental Conservation, Alaska Water Quality Planning Program	placer mining, water quality, metals, mining, Alaska
D00612	Trace metals in Soil, Vegetation, and Voles from Mine Land Treated with Sewage Sludge	Alberici, T.M., W.E. Sopper, G.L. Storm, and R.H. Yahner	1989	Journal of Environmental Quality. 18: 115-119	Metals, mammals, mines, terrestrial, voles, vegetation, sewage sludge
D00003	Effects of Acidification on Metal Accumulation by Aquatic Plants and Invertebrates. 2. Wetlands, Ponds and Small Lakes	Albers, P.H. and M.B. Camardese	1993	Environmental Toxicology and Chemistry 12:969-976	Aquatic Biota, Heavy Metals, Bioaccumulation, Vegetation, Invertebrates
D00004	Heavy Metals in Soils (Cover only)	Alloway, B., Ed.	1990	Blackie, Glasgow and London, Halstead Press, John Wiley and Sons, Inc., New York	Soils, metals, terrestrial
D00005	Survival and Growth of Tanytarsus dissimilis (Chironomidae) Exposed to Copper, Cadmium, Zinc, and Lead	Anderson, R.L., C.T. Walbridge, J.T. Fiantt	1980	Archives of Environmental Contamination and Toxicology 9:329	Invertebrates, copper, cadmium, zinc, lead, metals
D00006	Fisheries Inventories, Upper Arkansas and South Platte Basins	Anderson, R.M.	1992	State of Colorado, Department of Natural Resources, Division of Wildlife	Fish, Inventory, Upper Arkansas River Basin, South Platte Basin
D00375	Impact Analysis of a Flow Augmentation Program on the Brown Trout Fishery of the Arkansas River, Colorado.	Anderson, R.M., and D.A. Krieger	1994	Colorado Division of Wildlife Special Report No. 70	fish, trout, Arkansas River, fishery, aquatic

Doc No.	Title	Author	Date	Reference	Key Words
D00596	Cadmium in small mammals from grassland established on metalliferous mine waste.	Andrews, S.M., M.S. Johnson and J.A. Cooke	1984	Environmental Pollution (Series A) 33:153-162	cadmium, mammals, mines,, terrestrial, metals
D00007	Acid-Volatile Sulfide as a Factor Mediating Cadmium and Nickel Bioavailability in Contaminated Sediments	Ankley, G.T., G.L. Phipps, E.N. Leonard, D.A. Benoit and V.R. Mattson	1991	Environmental Toxicology and Chemistry 10:1299-1307	Sediments, Metals, Bioavailability, Cadmium, Nickel, Contaminants, toxicity
D00597	Heavy metals in tissues of small mammals inhabiting waste-water-irrigated habitats	Anthony, R.G. and R. Kozlowski	1982	Journal of Environmental Quality 11(1):20-22	heavy metals, mammals, terrestrial
D00592	Aquatic Sampling Program Results, California Gulch Site, Leadville, Colorado, 1991	Aquatics Associates for Res-ASARCO Joint Venture	1993	Res-ASARCO Joint Venture project file	Aquatic, California Gulch, Arkansas River, invertebrates, fish
D00325	Phase I Field Study Summary, California Gulch RI, Leadville, Colorado, Final Technical Report	ASARCO, Inc./CH2M HILL	1985	ASARCO, Inc./CH2M HILL, Leadville, CO	California Gulch, Arkansas River, Leadville, RI, Yak Tunnel, Metals, Wells, Contaminants
D00012	Aquatic Ecosystem Characterization Report California Gulch Site, Leadville, Colorado	ASARCO, Inc./Woodward-Clyde	1994	ASARCO, Inc., Golden, Colorado	Ecosystem Evaluations, Aquatic, California Gulch, Leadville, Colorado, Upper Arkansas River
D00010	Background Soils Geochemistry Work Plan California Gulch Study Area Leadville, Colorado	ASARCO, Inc./Woodward-Clyde	1992	ASARCO, Inc., Leadville, Colorado	Work Plan, Soils, Geochemistry, California Gulch, Leadville, Colorado, Upper Arkansas River
D00014	California Gulch Site Leadville, Colorado Surface Water Background Work Plan - Addendum	ASARCO, Inc./Woodward-Clyde	1992	Res-ASARCO Joint Venture, Leadville, Colorado	Work Plan, Surface Water Background, California Gulch, Leadville, Colorado, Upper Arkansas River, aquatic
D00015	Hydrogeologic Remedial Investigation Report, California Gulch Site, Leadville, Colorado. Volume I and Volume II-DRAFT	ASARCO, Inc./Woodward-Clyde	1993	ASARCO, Inc., Golden, Colorado	RI/FS, Hydrogeologic, California Gulch, Leadville, Colorado, Upper Arkansas River
D00013	Mine Waste Piles Remedial Investigation Report, California Gulch Site, Leadville, Colorado	ASARCO, Inc./Woodward-Clyde	1994	ASARCO, Inc.	RI/FS, Waste Piles, California Gulch, Leadville, Colorado, Upper Arkansas River
D00009	Surface Water Remedial Investigation Report California Gulch Site, Leadville, Colorado-DRAFT Vol. 1	ASARCO, Inc./Woodward-Clyde	1993	ASARCO, Inc., Golden, Colorado	RI/FS, Surface Water, California Gulch, Leadville, Colorado, Upper Arkansas River
D00018	Surface Water, Bed Material and Aquatic Ecosystem Data Collection Program Work Plan California Gulch Site, Leadville, Colorado-DRAFT FINAL	ASARCO, Inc./Woodward-Clyde	1991	Res-ASARCO Joint Venture, Leadville, Colorado	Work Plan, Surface Water, Bed Material, Aquatic Ecosystem Evaluation, California Gulch, Leadville, Colorado, Upper Arkansas River

Doc No.	Title	Author	Date	Reference	Key Words
D00361	Tailings Disposal Area Remedial Investigation Report, California Gulch Site, Leadville, Colorado, Final ,Volume II, Appendixes	ASARCO, Inc./Woodward-Clyde	1994	ASARCO, Inc., Denver, Colorado	RI, Tailings, California Gulch, Leadville, Metals, Appendixes
D00360	Tailings Disposal Area Remedial Investigation Report, California Gulch Site, Leadville, Colorado, Final, Volume I, Text	ASARCO, Inc./Woodward-Clyde	1994	ASARCO, Inc., Denver, Colorado	RI, Tailings, California Gulch, Leadville, Metals,
D00362	Terrestrial Ecosystem Evaluation Report California Gulch Site, Leadville, Colorado - Draft, Copy 2	ASARCO, Inc./Woodward-Clyde	1993a	ASARCO, Inc., Golden, Colorado	Ecosystem Evaluations, Terrestrial, California Gulch, Leadville, Colorado, Upper Arkansas River
D00017	Terrestrial Ecosystem Evaluation Work Plan for the California Gulch Site, Leadville, Colorado	ASARCO, Inc./Woodward-Clyde	1991	ASARCO, Inc., Leadville, Colorado	Work Plan, Ecosystem Evaluation, Terrestrial, California Gulch, Leadville, Colorado, Upper Arkansas River
D00016	Terrestrial Ecosystem Evaluation-Sampling and Analysis Plan - Final	ASARCO, Inc./Woodward-Clyde	1993	ASARCO, Inc.	Ecosystem Evaluations, Terrestrial, Plan, California Gulch, Leadville, Colorado, Upper Arkansas River
D00020	Wetlands Map for California Gulch RI/FS Study Area	ASARCO, Inc./Woodward-Clyde	1992	ASARCO, Inc., Leadville, Colorado	Wetland/Riparian, California Gulch, Leadville, Colorado, Upper Arkansas River, Map
D00369	Work Area Management Plan for ASARCO Incorporated at the California Gulch NPL Site Leadville, Colorado - Appendix B	ASARCO, Inc./Woodward-Clyde	1994	ASARCO, Inc./Woodward-Clyde	Work Area Management Plan, California Gulch, Leadville, Metals, Lead, Remedial Action, Superfund
D00023	Smelter Remedial Investigation Report California Gulch Site, Leadville, Colorado, Volume I & II Final	ASARCO, Inc/Walsh & Associates, Inc.	1993	ASARCO, Inc., Golden, Colorado, Walsh Project No. 3214-060, April 28, 1993	RI/FS, Smelter, California Gulch, Leadville, Colorado, Upper Arkansas River
D00022	Smelter Remedial Investigation Report California Gulch Site, Leadville, Colorado, Volume II, Final	ASARCO, Inc/Walsh & Associates, Inc.	1993	ASARCO, Inc., Golden, Colorado, Walsh Project No. 3214-060, April 28, 1993	RI/FS, Smelter, California Gulch, Leadville, Colorado, Upper Arkansas River
D00021	Smelter Remedial Investigation Report California Gulch Site, Leadville, Colorado, Volume III, Final	ASARCO, Inc/Walsh & Associates, Inc.	1993	ASARCO, Inc., Golden, Colorado, Walsh Project No. 3214-060, April 28, 1993	RI/FS, Smelter, California Gulch, Leadville, Colorado, Upper Arkansas River
D00024	Soil Inventory and Map, California Gulch Study Area	ASARCO, Inc/Walsh & Associates, Inc.	1992	ASARCO, Inc., Golden, Colorado	Soils, Inventory, Metals, Upper Arkansas River, Leadville, Colorado, California Gulch, Map
D00572	Seasonal Variability of Metals Transport through a Wetland Impacted by Mine Drainage in the Rocky Mountains--DRAFT	August, E.E., D.M. McKnight, D.C. Hrcncir, and K.S. Garhart	2000	Draft Manuscript	upper arkansas, lake fork, metals, aquatic, wetlands, water, dinero tunnel

Doc No.	Title	Author	Date	Reference	Key Words
D00200	The Biogeochemistry of Wetlands in the San Luis Valley, Colorado: The Effects of Acid Drainage from Natural and Mine Sources	Balistrieri, L.S., L.P. Gough, R.C. Severson, A. Archuleta	1995	Colorado Geological Survey; Special Publication 38; Proceedings: Summitville Forum '95	mining, wetlands, acid mine drainage, metals, San Luis Valley, aquatic
D00406	Data for Water Levels, Water Quality, Lithology, and Surface-Water Discharge in the Vicinity of Lincoln Park, Colorado, 1961-1996	Banta, E.R.	1997	U.S. Geological Survey, Open File Report 97-361, 16pp. Includes data diskette	Lincoln Park, water, arkansas river, water quality, uranium milling
D00025	The Effects of pH and Redox Potential on the Release of Heavy Metals from Arkansas River Sediments	Bates, M.H.	1983	Oklahoma State University, Oklahoma Water Resources Research Institute, Stillwater, Oklahoma, Technical Completion Report - A-095-OKLA	Sediments, Upper Arkansas River, pH, heavy metals, redox, aquatic
D00345	Cadmium and Mercury in Sediment and Burrowing Mayfly Nymphs (Hexagenia) in the Upper Mississippi River, USA	Beauvais, S.L., J.G. Wiener, and G.J. Atchison	1995	Archives of Environmental Contamination and Toxicology 28:178-183	Cadmium, Mercury, Sediment, Burrowing, Mayfly, Nymphs, Hexagenia, Mississippi River, Minnesota, Iowa, invertebrate
D00587	Review of "Upper Arkansas River Fisheries and Water Management Assessment"	Behnke, Dr. R.	1991	CDOW Report, SE Region, March 1, 1991	Upper Arkansas River, fisheries, assessment, CDOW
D00497	Effects of Metals on a Montane Aquatic System Evaluated Using an Integrated Assessment Approach	Beltman, D., W.H. Clements, J. Lipton, and D. Cacela	1995	presented at the Annual Meeting of Society of Environmental Toxicology and Chemistry	aquatic, invertebrates, community, metals, sediment, water, periphyton
D00028	Population Density and Tissue Metal Concentrations of Lumbricids in Forest Soils Near a Brass Mill	Bengtsson, G., S. Nordstrom and S. Rundgren	1983	Environmental Pollution (Series A) 30:87-108	Invertebrates, metals, copper, lead, zinc, earthworms
D00030	Tolerance to Trace Elements in Plants	Berry, W. L. and O. R. Hunt	1978	U. S. Energy Research and Development Administration, UCLA-121105	Vegetation, Plants, Metals, Contaminants, terrestrial
D00545	Modeling Frequency of Occurrence of Toxic Concentrations of Zinc and Copper in the Upper Animas River	Besser, J.M. and K.J. Leib	2000	USGS Open File Report	zinc, copper, animas river, water, toxicity tests, metals
D00057	Bioavailability and Toxicity of Metals Leached from Lead-Mine Tailings to Aquatic Invertebrates	Besser, J.M., and C.F. Rabeni	1987	Environmental Toxicology and Chemistry, 6:879-890	heavy metals, toxicity, bioaccumulation, aquatic invertebrates, mine tailings
D00032	Survey and Evaluation of Contaminants in Earthworms and in Soils Derived from Dredged Material at Confined Disposal Facilities in the Great Lakes Region	Beyer, W. N. and C. Stafford	1993	Environmental Monitoring and Assessment 24:151-165	Invertebrates, Terrestrial, Earthworms, Contaminants, soils, PCBs, metals
D00033	Metal Contamination in Wildlife Living Near Two Zinc Smelters	Beyer, W., O. Pattee, I. Sileo, D. Hoffman and B. Mulhern	1985	Environmental Pollution (Series A) 38:63-86	Terrestrial Environment, metals, zinc

Doc No.	Title	Author	Date	Reference	Key Words
D00034	Heavy Metal Concentrations in Earthworms from Soil Amended with Sewage Sludge	Beyer, W., R. Chaney and B. Mulhern	1982	Journal of Environmental Quality 2:381-382	Invertebrates, soil, heavy metals, terrestrial
D00031	Evaluating Soil Contamination	Beyer, W.N.	1990	U. S. Fish and Wildlife Service, Biological Report 90 (2)	Soils, terrestrial, metals, sediment, invertebrates
D00162	Estimates of Soil Ingestion by Wildlife	Beyer, W.N. , E.E. Connor, S. Gerould	1994	Journal of Wildlife Management 58(2):375-382	contaminants, diet, nutrients, risk assessment, scat, sediments, soil ingestion
D00083	Relation of Waterfowl Poisoning to Sediment Lead Concentrations in the Coeur d'Alene River Basin	Beyer, W.N., D.J. Audet, G.H. Heinz, D.J. Hoffman, D. Day	2000	Ecotoxicology, 9(3):217-218	waterfowl, sediment, toxicity, mining, ALAD, lead, metals
D00112	Lead Poisoning in Six Captive Avian Species	Beyer, W.N., J.W. Spann, L. Sileo, J.C. Franson	1988	Archives of Environmental Contamination and Toxicology 17:121-130	lead, birds, metals, ALAD
D00548	The Role of Sediment Ingestion in Exposing Wood Ducks to Lead	Beyer, W.N., L.J. Blus, C.J. Henny, and D. Audet	1996	Ecotoxicolgy 6:181-186	wood ducks, waterfowl, metals, lead, soil ingestion, idaho, exposure
D00035	Biotic Factors That Effect Bioaccumulation of Metals in Fish	Beyers, D.W.	1990	Colorado State University, Department of Fishery and Wildlife Biology, Fort Collins, Colorado	Fish, Metals, Effects, Bioaccumulation, aquatic
D00036	Effects of Copper and Zinc on Olfaction of Colorado Squawfish as Estimated by Behavioral Assay (Draft Final Report)	Beyers, D.W. and M.S. Farmer	1994	Colorado State University, Department of Fishery and Wildlife Biology, Larval Fish Laboratory, Fort Collins, Colorado	Fish, Metals, Effects, Olfaction, aquatic
D00207	Water Pollution Studies Federal Aid in Fish Restoration Project F-33-R-2	Bingham, D.A.	1967	Colorado Game, Fish and Parks Department Report	water, pollution, ore processing, Summit County, Arkansas River, mines, fish
D00488	Water Pollution Studies, Job Completion Report, Federal Aid Project F-33-R-1	Bingham, D.A.	1966	Colorado Division of Wildlife Report	arkansas river, fish, metals, aquatic, climax, california gulch
D00624	Quantification of Fluvial Trout Habitat in Wyoming (Andrew has)	Binns, N.A. and F.M. Eiserman	1979	Transactions of the American Fisheries Society 108(3):215-228	trout, wyoming, habitat
D00037	Aquatic Toxicity of Trace Elements of Coal and Flyash. Proceedings DOE Symposium, University of Georgia, Athens.	Birge, W.	1978	In J.H. Thorp and J.W. Gibbons (eds.) Energy and Environmental Stress in Aquatic Systems. DOE Sym. Series;48	Aquatic Environment, pH, aquatic, coal, fly ash, metals
D00038	Sensitivity of Vertebrate Embryos to Heavy Metals as a Criterion of Water Quality	Birge, W.J. and J.J. Just	1973	University of Kentucky, Water Resources Institute, Lexington, Kentucky	Toxicology, Vertebrate Embryos, Heavy Metals, Water Quality, aquatic
D00039	The Induction of Tolerance to Heavy Metals in Natural and Laboratory Populations of Fish	Birge, W.J., W.H. Benson, J.A. Black	1983	University of Kentucky, Water Resources Research Institute	Fish, Heavy Metals, Effects, Tolerance, aquatic, bioaccumulation, water quality

Doc No.	Title	Author	Date	Reference	Key Words
D00478	Gold Mining Effects on Stream Hydrology and Water Quality, Circle Quadrangle, Alaska	Bjerklie, D.M. and J.D. LaPerriere	1985	Water Resources Bulletin 21(2): 235-243	placer mining, water quality, hydrology, aquatic, sediments, alaska, stream
D00337	EPA's Proposed Metal Sediment Criteria: Good News for Industry	Bleiler, J.A.	1996	Environmental Solutions September 1996	EPA, Metals, Sediment, Industry, Bioavailability, Equilibrium Partitioning
D00040	Lead Toxicosis in Tundra Swans Near a Mining and Smelting Complex in Northern Idaho	Blus, L., C. Henny, D. Hoffman, and R. Grove	1991	Archives of Environmental Contaminants and Toxicology 21:549-555	Birds, mining, lead, metals, smelter
D00618	Concentrations of Metals in Mink and Other Mammals from Washington and Idaho	Blus, L.J., C.J. Henny, and B.M. Mulhern	1987	Environmental Pollution 44: 307-318	mammals, metals, mining, terrestrial
D00029	Accumulation in and Effects of Lead and Cadmium on Waterfowl and Passerines in Northern Idaho	Blus, L.J., C.J. Henny, D.J. Hoffman, R.A. Grove	1995	Environmental Pollution 89(3):311-318	birds, lead, cadmium, metals, ALAD
D00042	Lead in the Environment (Cover Only)	Boggess, W. and R. Wilson, eds.	1977	National Science Foundation Report NSF:/RA-770214. 272 pp.	Heavy Metals, lead
D00483	Assessing the Potential Toxicity of Resuspended Sediment	Bonnet, C., M. Babut, J.F. Ferard, L. Martel, J. Garric	2000	Environmental Toxicology and Chemistry 19(5):1290-1296	sediments, toxicity, metals, aquatic, resuspension, risk assessment, invertebrates, pore water
D00528	Ecological Complexity of Wetlands within a River Landscape	Bornette, G., C. Amoros, H. Piegay, J. Tachet, and T. Hein	1998	Biological Conservation 85:35-45	wetlands, river, riparian, geomorphology, vegetation, habitat, floodplain
D00625	Stream Habitat Analysis Using the Instream Flow Incremental Methodology (Andrew has)	Bovee, K.D., B.L. Lamb, J.M. Barholow, C.B. Stalnaker, J. Taylor, J. Henriksen	1998	USGS, Biological Resources Division Information and Technology Report USGS/BRD-1998-0004	IFIM, stream, habitat, flow, water quality, aquatic
D00525	Avian Use of Native and Exotic Riparian Habitats on the Snake River, Idaho (Abstract & portions of thesis in library)	Brown, C.R.	1990	Unpublished Thesis, Colorado State University, Ft. Collins, CO	avian, riparian, habitat, birds
D00417	High Altitude Tailing Reclamation Projects	Brown, L.F. and M.J. Trlica	1995	Proceedings High Altitude Vegetation	tailings, reclamation, metals, revegetation
D00088	RTDF IINERT - Progress Report	Brown, S.	2000	U.S. EPA	Joplin, MO, in situ treatment, soil, terrestrial, biosolids
D00096	Effect of Biosolids Processing on the Bioavailability of Pb in Urban Soils	Brown, S., and R. Chaney	1997	In Biosolids Management Innovative Treatment Technologies and Processes, Water Environment Research Foundation, Workshop #104 Proceedings	biosolids, terrestrial, lead, metlas, soil

Doc No.	Title	Author	Date	Reference	Key Words
D00072	Bunker Hill Ecological Restoration Program Status Report- Draft	Brown, S., C. Henry, H. Compton	1999	University of Washington and US EPA ERT	Bunker Hill, metals, vegetation, terrestrial, biosolids
D00513	USFS Abandoned Mine Land Inventory Project: Final Summary Report for the San Isabel National Forest Leadville Ranger District	Brown, S.D., A.J. Flurkey, R.H. Wood II, and J. P. Cann IV	1996	Colorado Geological Survey	arkansas river, tailings, 11-mile reach, metals, soils, water, GIS maps
D00071	Using Municipal Biosolids in Combination with Other Residuals to Restore a Vegetative Cover on High Metal Mine Tailings	Brown, S.L., C.L. Henry, H. Compton, P. DeVolder	2000	National Meeting of the American Society for Surface Mining and Reclamation, Tampa, FL	biosolids, mines, vegetation, metals
D00503	Using Municipal Biosolids in Combination with Other Residuals to Restore Metal-Contaminated Mining Areas	Brown, S.L., C.L. Henry, H. Compton, R.L. Chaney, and P. DeVolder	2000	Unpublished report	arkansas river, biosolids, vegetation, metals, soils, amendments, fluvial, 11-mile reach, tailings
D00043	Aspects of Heavy Metals Toxicity in Fresh Water	Brown, V. M.	1976	in Toxicity to Biota of Metal Forms in Natural Water: Proceedings of a workshop held in Duluth, MN, ed. By R.W. Andrew, P.V. Hodson, D.E. Konasewich	Aquatic Biota, Heavy Metals, Water Quality, toxicity, fish
D00044	Chemical Characterization of Sediments and Pore Water from the Upper Clark Fork River and Milltown Reservoir, Montana	Brumbaugh, W. G., C. G. Ingersoll, N. E. Kemble, T. W. May, J. L. Zahcek	1994	Environmental Toxicology and Chemistry, 13(12):1971-1983	Sediments, Metals, Pore Water, Upper Clark Fork River, Milltown Reservoir, Montana, AVS
D00045	Effects of Lead Shot Ingestion on Captive Mourning Dove Survivability and Reproduction	Buerger, T., R. Mirarchi and M. Lisano	1986	Journal of Wildlife Management 50:1-8	Birds, lead
D00046	Comparative Toxicity of Inorganic Contaminants Released by Placer Mining to Early Life Stages of Salmonids	Buhl, Kevin J. and Steven J. Hamilton	1990	Ecotoxicology and Environmental Safety 20:325-342	Fish, Metals, Toxicity, placer mining, aquatic
D00047	Water Uptake in Woody Riparian Phraetophytes of the Southwestern United States: A Stable Isotope Study	Busch, David E., Neil L. Ingraham and Stanley D. Smith	1992	Ecological Application 3(4):450-459	Wetland/Riparian, Water uptake, aquatic, terrestrial
D00343	Wildlife Studies on the Hanford Site: 1994 Highlights Report	Cadwell, L.L.	1995	U.S. Dept. of Energy, Pacific Northwest Laboratory, Contract DE-A06-76RLO	Wildlife, Hanford, Monitor, Washington, Threatened, Endangered
D00589	Heavy Metal Contamination and Its Relationship to Osteochondrosis in Horses - Draft	Calabrese, E. J.	1999	University of Massachusetts School of Public Health	metals, toxicity, terrestrial, mammals

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D00536	Transition Metal Geochemistry of the Upper Arkansas River, Colorado	Callender, E., B.A. Kimball, and E.V. Aztmann	1991	in Mallard, G.E. and Aronson, D.E. (eds.) USGS Toxic Substances Hydrology Program; proceedings of the technical meeting, Monterey CA, March 11-15, 1991, WRI 91-4034, p. 392-397	upper arkansas, metals, water, aquatic, sediment, water quality
D00048	Heavy-Metal Geochemistry of Sediments in the Pueblo Reservoir, Colorado. In: U. S. Geological Survey, Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Phoenix, Arizona, September 26-30, 1988	Callender, E., W.H. Ficklin, B.A. Kimball, P.R. Edelmann	1988	U. S. Geological Survey, Water Resources Investigations Report 88-4220	Pueblo Reservoir, Metals, Arkansas River, Colorado, Sediments, Contaminants, Geochemistry
D00049	Effects of Arsenate on Growth and Physiology in Mallard Ducklings	Camardese, M., D. Hoffman, L. LeCaptain and G. Pendleton	1980	Environmental Toxicology and Chemistry 9:783-795	Birds, ducks, arsenic, physiology, metals
D00050	Acidification and Toxicity of Metals to Aquatic Biota	Campbell, P. G. C. and P. M. Stokes	1985	Canadian Journal of Fish and Aquatic Science, 42:2034-2049	Aquatic Biota, Water Quality, Acidification, metals, toxicity
D00397	Use of Benthic Invertebrate Community Structure and the Sediment Quality Triad to Evaluate Metal-Contaminated Sediment in the Upper Clark Fork River, Montana	Canfield, T.J., N.E. Kemble, W.G. Brumbaugh, F.J. Dwyer, C.G. Ingersoll, and J.F. Fairchild	1994	Environmental Toxicology and Chemistry 13 (12): 1999-2012	aquatic, fish, clark fork river, metals uptake, invertebrates
D00346	Solutions to Erosion Along the Upper Arkansas River	Capouch, J., J. Diekmann, N. Pawley, T. Schenk, R. Zakaria	1994	Colorado School of Mines	Erosion, Upper Arkansas River, Lake County, Soil, Water Quality, Streambank
D00541	Sensitivity and Variability of Metrics used in Biological Assessments of Running Waters	Carlisle, D.M., and W.H. Clements	1999	Environmental Toxicology and Chemistry 18(2):285-291	invertebrates, metals, water, aquatic, biomonitoring
D00271	Aquatic Biological Data - 1995-1998 - Electronic Format	Chadwick Ecological Consultants, Inc.	2000	Chadwick Ecological Consutants, Inc. Littleton, CO	aquatic, arkansas river, data,
D00411	Migration and Geochemical Evolution of Ground Water Affected by Uranium-Mill Effluent near Canon City, Colorado	Chafin, D.T. and E.R. Banta	1999	U.S. Geological Survey, Water-Resources Investigations Report 98-4228	water quality, arkansas river, uranium milling, ground water, lincoln park
D00617	Correlation of Cadmium-Induced Nephropathy and the Metabolism of Endogenous Copper and Zinc in Rats	Chmielnicka, J., T. Halatek, and U. Jedlinska	1989	Ecotoxicology and Environmental Safety 18: 268-276	metals, copper, zinc, mammals, cadmium
D00095	The Ruminant Animal: Digestive Physiology and Nutrition	Church, D.C. editor	1993	Prentice Hall, Englewood Cliffs, New Jersey	physiology, metals

Doc No.	Title	Author	Date	Reference	Key Words
D00053	Geochemical and Lead-Isotope Data from Stream and Lake Sediments, and Cores from the Upper Arkansas River drainage: Effects of Mining at Leadville Colorado on Heavy-Metal Concentrations in the Arkansas River	Church, S. E.	1993	U. S. Geological Survey, Open-File Report 93-534	Metals, Contamination, Upper Arkansas River Basin, Leadville, Colorado, Sediments, Lead
D00054	Geochemical and Lead-isotopic Studies of River and Lake Sediments, Upper Arkansas River Drainage Basin, Twin Lakes to Pueblo Reservoir, Colorado - Preliminary Report	Church, S. E., S. A. Wilson, R. B. Vaughn and D. L. Fey	1994	U. S. Geological Survey, Administrative Report	Metals, Contamination, Upper Arkansas River Basin, Lead, Sediments, Geochemistry, Colorado
D00336	Source, Transport, and Partitioning of Metals between Water, Colloids, and Bed Sediments of the Animas River, Colorado	Church, S.E., B.A. Kimball, D.L. Fey, D.A. Ferderer, T.J. Yager, and R.B. Vaughn	1997	U.S. Geological Survey Open-File Report 97-151, Denver, CO	Metals, Animas River, Colorado, Colloids, Water, Sediments, aquatic
D00538	Geochemical and lead-isotopic studies of river sediment from major tributaries, upper Arkansas River watershed, Colorado	Church, S.E., D.L. Fey, and D.M. Unruh	2000	USGS Open File Report 00-337	upper arkansas, metals, sediment, water, aquatic, water quality, tributaries, other source areas
D00455	Determination of Pre-Mining Geochemical Conditions and Paleocology in the Animas River Watershed, Colorado	Church, S.E., D.L. Fey, E.M. Brouwers, C.W. Holmes, and R. Blair	2000	U.S. Geological Survey, Open File Report 99-0038 (Preliminary Draft)	pre-mining, watershed, baseline, background, colorado, historic mining, sediments, metals, geochemical, fluvial, geomorphology, animas river
D00055	Lead Concentrations: Bats vs. Terrestrial Small Mammals Collected Near a Major Highway	Clark, D., Jr.	1979	Environmental Science and Technology 13:338-341	Mammals, lead, metals
D00026	The Variability of Metal Concentrations and Metal Speciation in the Arkansas River, Colorado	Clark, M.L.	1996	Master's Thesis, Colorado State University	Arkansas River, Metals, aquatic, copper, iron, lead, cadmium, zinc
D00423	Metal Speciation in the Upper Arkansas River, Colorado, 1990-93	Clark, M.L. and M.E. Lewis	1997	U.S. Geological Survey, Water-Resources Investigation Report 96-4282	water quality, metals, arkansas river
D00159	Lead Poisoning in Small Animals	Clarke, E.G.C.	1973	Journal Small Animal Practice 14:183-193	lead, metals, mammals, lead poisoning
D00056	Integrated Field and Laboratory Approach for Assessing Impacts of Heavy Metals at the Arkansas River, Colorado	Clements, W. and P. Kiffney	1994	Environmental Toxicology and Chemistry 13:397-404	Fish, heavy metals, aquatic, Arkansas River, invertebrates, toxicity, bioaccumulation
D00058	Benthic Invertebrate Community Responses to Heavy Metals in the Upper Arkansas River Basin, Colorado	Clements, W. H.	1994	Journal of North American Benthological Society, 1993, 13 (1) 50-66	Invertebrates, Aquatic, Metals, mining, biomonitoring
D00059	Fate and Effects of Heavy Metals on the Arkansas River	Clements, W. H.	1991	Colorado State University, Colorado Water Resources Research Institute, Completion Report No. 163, Fort Collins, Colorado	Invertebrates, Aquatic, heavy metals, California Gulch, Leadville

Doc No.	Title	Author	Date	Reference	Key Words
D00219	Benthic Community Responses to heavy Metals in the Arkansas River: Structural Alteration Bioaccumulation, and Acute Toxicity	Clements, W.H.	1991	U.S. EPA, Region 8, Denver, CO	heavy metals, arkansas river, benthos, bioaccumulation, toxicity, invertebrates, periphyton
D00211	Bioaccumulation of Heavy Metals by Brown Trout (Salmo Trutta) in the Arkansas River: Importance of Food Chain Transfer	Clements, W.H.	1992	Colorado Water Resources Res. Institute, CSU, Ft. Collins, CO, Grant No. 14-08-0001-2008	heavy metals, trout, fish, arkansas river, california gulch, bioaccumulation,
D00540	Metal Tolerance and Predator-Prey Interactions in Benthic Macroinvertebrate Stream Communities	Clements, W.H.	1999	Ecological Applications 9(3):1073-1084	invertebrates, metals, water, aquatic, community
D00555	The Influence of Elevation on Benthic Community Responses to Heavy Metals in Rocky Mountain Streams	Clements, W.H. and P.M. Kiffney	1995	Canadian Journal of Fisheries and Aquatic Sciences 52(9):1966-1977	aquatic, invertebrates, metals, elevation, community structure, colorado, upper arkansas, rocky mountain streams
D00393	Effects of Heavy Metals on Prey Abundance, Feeding Habits, and Metal Uptake of Brown Trout in the Arkansas River, Colorado	Clements, W.H., and D.E. Rees	1997	Transactions of the American Fisheries Society 126: 774-785	aquatic, fish, arkansas river, metals uptake
D00539	Heavy Metals Structure Benthic Communities in Colorado Mountain Streams	Clements, W.H., D.M. Carlisle, J.M. Lazorchak, and P.C. Johnson	2000	Ecological Applications 10(2):626-638	invertebrates, metals, water quality, aquatic, biomonitoring
D00019	Integrating observational and experimental approaches to quantify stressor-response relationships in metal-polluted streams	Clements, W.H., D.M. Carlisle, L.A. Courtney, E.A. Harrahy	2000	Department of Fishery and Wildlife Biology, Colorado State University	streams, water, metals, aquatic
D00553	Structural Alterations in Aquatic Insect Communities Exposed to Copper in Laboratory Streams	Clements, W.H., D.S. Cherry, and J. Cairns Jr.	1988	Environmental Toxicology and Chemistry 7:715-722	metals, aquatic, invertebrates, copper, community structure
D00236	Structural and Functional Responses of Benthic Communities to Heavy Metals: Variation Along Longitudinal Stream Gradients	Clements, W.H., P.M. Kiffney, and C.N. Medley	1993	U.S.G.S., Annual Technical Report, 14-08-0001-G2099, 1993	Benthos, Heavy Metals, Stream, Arkansas River, Colorado
D00060	Sensitivity of Brook Trout to Low pH, low calcium and elevated aluminum concentrations During Laboratory Pulse Exposures	Cleveland, L., E.E. Little, C.G. Ingersoll, R.H. Wiedmeyer and J.B. Hunn	1991	Aquatic Toxicology 19 (1991) 303-318	Fish, Trout, pH, calcium, aluminum, metals
D00576	Accumulation of Heavy Metals by Vegetables Grown in Mine Wastes	Cobb, G.P., K. Sands, M. Waters, B.G. Wixson, E. Dorward-King	2000	Environmental Toxicology and Chemistry 19(3):600-607	Plant, Metal, Uptake, Human health, vegetation
D00061	Technical Manual for the Design and Operation of a Passive Mine Drainage Treatment System	Cohen, R.R.H. and M.W. Staub	1992	U. S. Bureau of Reclamation and Colorado School of Mines, Department of Environmental Science and Engineering	Metals, Acid Mine Drainage, Treatment, Big Five Tunnel, Idaho Springs, Colorado, Control

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D00363	Clear Creek Phase II Remedial Investigation - Final	Colorado Department of Health	1990	Colorado Department of Health, Hazardous Materials and Waste Management Division in Cooperation with U.S. Environmental Protection Agency, Prepared by: Camp Dresser & McKee Inc., Denver, Colorado	Clear Creek, RI, Metals, Central City, NPL, FS, Mining, Tunnel
D00364	Clear Creek Phase II Remedial Investigation - Final, Volume 2, Appendices	Colorado Department of Health	1990	Colorado Department of Health, Hazardous Materials and Waste Management Division in Cooperation with U.S. Environmental Protection Agency, Prepared by: Camp Dresser & McKee Inc., Denver, Colorado	Clear Creek, RI, Metals, Central City, NPL, FS, Mining, Tunnel, Appendices
D00064	Colorado Nonpoint Assessment Report (Cover Only)	Colorado Department of Health	1989	Colorado Department of Health, Colorado Water Quality Control Division, Denver, Colorado	Water Quality
D00330	Guidance on Data Requirements and Data Interpretation Methods Used in Stream Standards and Classification Proceedings	Colorado Department of Health	1992	Colorado Department of Health, Water Quality Control Division	Water Quality, Data Requirements, Stream Standards, Classification Proceedings
D00065	Leadville Heavy Metal Exposure Assessment Brief Description	Colorado Department of Health	1986	State of Colorado, Colorado Department of Health	Soils, Metals, Lead, Risk Assessment, Human Health, Leadville, Colorado
D00062	The Basic Standards and Methodologies for Surface Water 3.1.0 (5 CCR 1002-8)	Colorado Department of Health	1993	Colorado Department of Health, Water Quality Control Commission	Water Quality Standards, Surface Water, aquatic
D00322	Classifications and Numeric Standards for Arkansas River Basin Regulation No. 32	Colorado Department of Health and Environment Water Quality Control Commission	2002	Colorado Department of Health, Water Quality Control Commission	Water Quality Standards, Arkansas River Basin
D00066	Yak Tunnel/California Gulch Endangerment Assessment	Colorado Department of Law	1986	Colorado Department of Law	Yak Tunnel, California Gulch, Leadville, metals
D00067	Leadville/Stringtown Soils Investigation	Colorado Department of Law/Engineering-Science, Inc.	1986	Colorado Department of Law	Soils, Metals, Contaminants, Leadville, Colorado, Stringtown, terrestrial
D00570	Results of the Lincoln Park Superfund Site Ecological Risk Assessment	Colorado Department of Public Health and Environment	1999	Colorado Department of Public Health and Environment Community Health News for Colorado Newsletter, July 1999	lincoln park, downstream, risk assessment, superfund, arkansas river
D00070	Episodic Metal Contamination of the Arkansas River by Nonpoint Pollution from California Gulch	Colorado Division of Wildlife	1992	Colorado Division of Wildlife, January, 1992	Water Quality, California Gulch, Arkansas River, trout, fish, aquatic

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D00068	Impact Analysis of a Flow Augmentation Program on the Brown Trout Fishery of the Arkansas River, Colorado	Colorado Division of Wildlife	1992	State of Colorado, Department of Natural Resources, Denver, Colorado, March 13, 1992	Fish, Flow Augmentation, Trout, Arkansas River, aquatic
D00444	Listing of Colorado Division of Wildlife Holdings, including easements, along the Arkansas River from Leadville to Pueblo	Colorado Division of Wildlife	1999	letter via Colorado Attorney General's Office	land ownership, terrestrial, CDOW, realty, arkansas river, property, maps
D00069	Upper Arkansas River Fisheries and Water Management Assessment	Colorado Division of Wildlife	1991	Colorado Division of Wildlife Southeast Region	Fish, Water Management, Upper Arkansas River, aquatic
D00201	Water Pollution Studies	Colorado Game, Fish, and Parks Division	1969	Job Progress Report, Federal Aid Project F-33-R-4	Water, Arkansas River, Climax, Zinc, metal
D00273	Draft Biosolids Study	Colorado Mountain College	1999	Colorado Mountain College	biosolids, invertebrates, mine waste
D00074	Wetland Resources of Arkansas Headwaters State Park, October 1995	Colorado Natural Areas Program, Colorado Department of Natural Resources, Division of Parks and Outdoor Recreation	1995	Colorado Natural Areas Program, Colorado Department of Natural Resources, Division of Parks and Outdoor Recreation, Inventory, Delineation and Protection of Wetlands on Colorado State Parks, U.S. Environmental Protection Agency, Grant #CD998116011	Wetland/Riparian, Arkansas River, Vegetation, Colorado
D00073	Wetland Resources of Lake Pueblo State Park, August, 1995	Colorado Natural Areas Program, Colorado Department of Natural Resources, Division of Parks and Outdoor Recreation	1995	Colorado Natural Areas Program, Colorado Department of Natural Resources, Division of Parks and Outdoor Recreation, Inventory, Delineation and Protection of Wetlands on Colorado State Parks, U.S. Environmental Protection Agency, Grant #CD998116011	Wetland/Riparian, Pueblo Reservoir, Vegetation, Colorado
D00351	Two Colorado Rivers Among Nation's Worst Polluted	Colorado Rivers Alliance	1996	Confluence 2(3)	Colorado, Rivers, Polluted, Cache la Poudre, Arkansas River
D00598	Cadmium in small mammals	Cooke, J.A. and M.S. Johnson	1996	Environmental Contaminants in Wildlife: Interpreting Tissue Concentrations. Beyer, W.N., G.H. Heinz, and A.W. Redmon-Norwood (eds.). SETAC Special Publication Series. Lewis Publishers	cadmium, mammals, toxicity, terrestrial, metals
D00599	Lead, zinc, cadmium and fluoride in small mammals from contaminated grassland established on fluorspar tailings	Cooke, J.A. and S.M. Andrews	1990	Water, Air, and Soil Pollution 51:43-54	metals, mammals, grassland, terrestrial

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D00076	Cadmium, Metal-binding Proteins, and Growth in Bluegill (<i>Lepomis macrochirus</i>) Exposed to Contaminated Sediments from the Upper Mississippi River Basin	Cope, W.G., J.G. Wiener, M.T. Steingraeber, G. J. Atchison	1994	Canadian Journal of Fish and Aquatic Science 51:1356-1367	Fish, Metals, Cadmium, Effects, aquatic
D00077	Acute and Sub-Chronic Toxicity of Lead to the Early Life Stages of Smallmouth Bass (<i>Micropterus dolomieu</i>) (cover page only)	Coughlan, D.J., S.P. Gloss	1986	Waste, Air, and Soil Pollution 18: 265-275	Fish, Metals, Lead, aquatic
D00078	Water-Resources Appraisal of the Upper Arkansas River Basin from Leadville to Pueblo, Colorado	Crouch, T.M., D.Cain, P.O. Abbott, R.D. Penley and R.T. Hurr	1984	U. S. Geological Survey, Water-Resource Investigations Report 82-4114	Hydrology, Upper Arkansas River Basin, aquatic, water quality
D00420	Water Resources Data, Colorado, Water Years 1989-2000 Missouri River Basin, Arkansas River Basin, Rio Grande Basin (on other shelf)	Crowfoot, R.M., A.V. Paillet, G.R. Ritz, M.E. Smith, R.D. Steger, and G.B. O'Neill	1989-2000	U.S. Geological Survey, Water-Data Report C0-96-1	water quality, upper arkansas
D00079	Effects of pH on the Toxicities of Cadmium, Copper, and Zinc to Steelhead Trout (<i>Salmo gairdneri</i>)	Cusimano, R.F., D.F. Brakke and G.A. Chapman	1986	Canadian Journal of Fish and Aquatic Science 43:1497-1503	Fish, Metals, Trout, pH, Effects, aquatic
D00586	In Press. A Mining Impacted Stream: Exposure and Effects of Lead and Other Trace Elements on Tree Swallows (<i>Tachycineta bicolor</i>) Nesting in the Upper Arkansas River Basin, Colorado	Custer, C.M., C.T. Custer, A.S. Archuleta, L.C. Coppock, C.D. Swartz, and J.W. Bickham	2003	In: Hoffman, D.J., B.A. Rattner, G.A. Burton Jr., J. Cairns Jr., Handbook of Ecotoxicology. 2nd Edition, CRC Press, Inc, Boca Raton, Florida	Upper Arkansas River, lead, trace elements, Mining, California Gulch, tree swallows, metals, sediment
D00484	Strategies of Heavy Metal Uptake by Three Plant Species Growing Near a Metal Smelter	Dahmani-Muller, H., F. van Oort, B. Gelie, M. Balabane	2000	Environmental Pollution 109: 231-238	terrestrial, smelter, metals, soils, phytoremediation, plants, vegetation
D00399	The Importance of Contaminated Food for the Uptake of Heavy Metals by Rainbow Trout (<i>Salmo gairdneri</i>): A Field Study	Dallinger, R. and H. Kautzky	1985	Oecologia 67: 82-89	aquatic, fish, metals uptake, clark fork river
D00081	Ecotoxicology of Metals in Invertebrates	Dallinger, R. and P.S. Rainbow	1991	Proceedings of a Session Held at the First SETAC-Europe Conference Sheffield, United Kingdom, April 7-10, 1991	Invertebrates, Metals, Criteria
D00080	Contaminated Food and Uptake of Heavy Metals by Fish: A Review and a Proposal for Further Research	Dallinger, R., F. Prosi, H. Segner, and H. Back	1987	Oecologia (Berlin) 73:91-98	Fish, Metals, Effects, Foodchain, Bioaccumulation, aquatic

Doc No.	Title	Author	Date	Reference	Key Words
D00075	The Need to Establish Heavy Metal Standards on the Basis of Dissolved Metals	Davies, P.	1976	In: Toxicity to Biota of Metal Forms in Natural Water, pp. 93-104, R.W. Andrew, P. Hodson, and D. Konasewich, Eds. Proc. Workshop, Duluth, Minnesota, October 7-8, 1975. Great Lakes Res. Advisory Board, International Joint Comm	metals, toxicity, fish, aquatic
D00084	Use of Dialysis Tubing in Defining the Toxic Fractions of Heavy Metals in Natural Waters	Davies, P.	1976	In: Toxicity to Biota of Metal Forms in Natural Water, pp. 110-117, R.W. Andrew, P. Hodson, and D. Konasewich, Eds. Proc. Workshop, Duluth, Minnesota, October 7-8, 1975. Great Lakes Res. Advisory Board, International Joint Comm	Water Quality, dialysis, metals, toxicity, aquatic
D00085	Acute and Chronic Toxicity of Lead to Rainbow Trout <i>Salmo gairdneri</i> . in Hard and Soft Water (cover page only)	Davies, P. H., J. P. Goettl, Jr., J. R. Sinley, and N. F. Smith	1976	Water Research Vol. 10: 199-206	Fish, Metals, Lead, Trout, aquatic
D00443	Arkansas River Research Study - 1995 Annual Progress Report, Period 1 Oct. 1993 - 30 Sept. 1994	Davies, P.H, W.H. Clements, and J.D. Stednick	1995	Report for U.S. Bureau of Reclamation	water quality, aquatic, fish, toxicity tests, invertebrates, metals, dinero tunnel, lake fork, sugar loaf gulch
D00086	Arkansas River Research Study, 1994 Annual Progress Report, Period October 1, 1993 to September 30, 1994, Job 1: Investigation on Acute and Long-term Toxicity of Metals to Brown Trout	Davies, P.H.	1994	U. S. Bureau of Reclamation	Fish, Trout, Metals, Lead, Toxicity, aquatic
D00243	Bioavailability and Toxicity of Metals and Metal Colloids	Davies, P.H.	2001	Unpublished report to the Upper Arkansas Consulting Team	heavy metals, toxicity, metal colloids, bioavailability, Upper Arkansas River
D00082	Importance of Laboratory-Derived Metal Toxicity Results in Predicting In-Stream Response of Resident Salmonids	Davies, P.H. and J.D. Woodling	1980	In: Aquatic Toxicology, STP 707. J. Eaton, P. Parrish, and A. Hendricks, Eds. ASTM. pp. 281-299	Fish, metals, cadmium, copper, zinc, trout, aquatic toxicology
D00087	Aquatic Data Analysis - Federal Aid Project F-33	Davies, P.H. and S. Brinkman	1990	Colorado Division of Wildlife, Fish Research Section and Federal Aid in Fish and Wildlife Restoration, Job Progress Report	Water Quality Standards, Aquatic Biota, Toxicology, pH, Colorado
D00329	Aquatic Life - Water Quality Recommendations for Heavy metal and Other Inorganic Toxicants	Davies, P.H., and Goettl, Jr., J.P.	1976	Colorado Division of Wildlife for Water Quality Standards Revision Committee and Colorado Water Quality Control Commission	Water Quality, Aquatic Life, Metals, Toxicants

Doc No.	Title	Author	Date	Reference	Key Words
D00244	Water Pollution Studies - Federal Aid Project #F-33: Cadmium Toxicity to Rainbow Trout: Bioavailability and Kinetics in Waters of High and low Complexing Capacities	Davies, P.H., and S. Brinkman	1994	Colorado Division of Wildlife, Fish Research Section, Job Final Report	Cadmium, water, aquatic, toxicity, bioavailability, metals
D00408	Arkansas River Research Study: 1995 Annual Progress Report, Period October 1, 1994 to September 30, 1995	Davies, P.H., M.W. McIntyre, J.D. Stednick	1997	Report for U.S. Bureau of Reclamation	arkansas river, water quality, metals, invertebrates, fish, toxicity, sediments, bioaccumulation, aquatic
D00630	Arkansas River Research Study: 1999 Annual Progress Report; Period October 1, 1996 to September 30, 1999	Davies, P.H., S.F. Brinkman, M.W. McIntyre, and W.C. Clements	2000	Arkansas River Research Study: 1999 Annual Progress Report	Arkansas River, fish, invertebrates, benthos, trout, water, sediments, metals, toxicity, aquatic
D00622	East Fork Arkansas River Research Study, Annual Contract Summary, Period: October, 1997 to September, 1999	Davies, P.H., T.G. Powell, E.E. Kochman, W.H. Clements, P. Kiffiney	1999	Report for U.S. Bureau of Reclamation	water quality, aquatic, Leadville Mine Drainage Tunnel, fish, Arkansas River, metals, toxicity
D00580	Arkansas River Basin Research Study: 5 Year Grant Summary, October 1997 to September, 2002	Davies, P.H., T.G. Powell, E.E. Kochman, W.H. Clements, P. Kiffiney, H. Ramsdell	1999	Colorado Division of Wildlife, Fisheries Research	aquatic life, Leadville Mine Drainage Tunnel, Yak Tunnel, metals, California Gulch, Arkansas River, fish, toxicity
D00089	Arkansas River Research Study, 1994 Annual Progress Report, Period May 1, 1993 to September 30, 1993	Davies, P.H., W.H. Clements, J.D. Stednick	1994	U. S. Bureau of Reclamation	Water Quality, Upper Arkansas River, Colorado, lead, sediment, aquatic
D00479	Environmental Factors Influencing the Natural Revegetation of Placer Mine Tailings in Interior Alaska	Deans, A.	1992	M.S. Thesis, Colorado School of Mines	placer mining, revegetation, alaska, stream, aquatic, riparian, soils
D00090	Sensitivity of Early-Life-Stage Golden Trout to Low pH and Elevated Aluminum	DeLonay, A.J., E.E. Little, D. F. Woodward, W.G. Brumbaugh, A.M. Farag and C.F. Rabeni	1993	Environmental Toxicology and Chemistry 12:1223-1232	Fish, Metals, Aluminum, pH, aquatic
D00091	Toxic Effects of Lead and Lead Compounds on Human Health, Aquatic Life, Wildlife, Plants, and Livestock	DeMayo, A., M.C. Taylor, K.W. Taylor, and P.V. Hodson	1982	CRC Critical Reviews in Environmental Control 12(4): 257-305	Metals, Lead, Toxicology, Human Health, Aquatic Biota, Plants, Domestic Livestock
D00092	Draft Ordered Rankings for Home Ranges of Migratory Birds Potentially Inhabiting the California Gulch, Leadville, Colorado Superfund Site	DeWeese, R. and J. Wegrzyn	1992	U. S. Fish and Wildlife Service/FWE/Colorado State Office, Golden, Colorado	Birds, Mammals, Upper Arkansas River, California Gulch, Colorado, lead
D00093	Toxicity of Cadmium in Sediments: The Role of Acid Volatile Sulfide	Di Toro, D.M., J.D. Mahony, D.J. Hansen, K.J. Scott, M.B. Hicks, S.M. Mayr and M.S. Redmond	1990	Environmental Toxicology and Chemistry 9:1487-1502	Sediments, Metals, Toxicology, Cadmium, Transport

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D00094	Molybdenum and Copper Relationships in Animal Nutrition	Dick, A. T.	1987	In: Inorganic Nitrogen Metabolism, Animal Health Research Laboratory, Commonwealth Scientific and Industrial Research Organization, Melbourne, Victoria, Australia	Metals, Molybdenum, Copper, Animal Nutrition
D00358	Hanford Site Environmental Report for Calendar Year 1994	Dirkes, R.L., and R.W. Hanf	1995	U.S. Department of Energy under Contract DE-AC06-76RLO 1830, Pacific Northwest Laboratory, Richland, Washington	Hanford Site, Washington, Nuclear, Cleanup
D00600	Ecological effects of heavy metal pollution (Pb, Cd, Zn) on small mammal populations and communities	Dmowski, K., M. Kozakiewicz and A. Kozakiewicz	1995	Bulletin of the Polish Academy of Sciences Biological Sciences 43:1-10	metals, mammals, toxicity, terrestrial
D00601	Trace metal accumulation by the shrew <i>Sorex araneus</i> II. Tissue distribution in kidney and liver	Dodds-Smith, M.E., M.S. Johnson and D.J. Thompson	1992	Ecotoxicology and Environmental Safety 24:118-130	metals, mammals, toxicity, terrestrial
D00379	Effects of Flow Augmentation on Channel Morphology and Riparian Vegetation in the Upper Arkansas River Basin, CO	Dominick, D.S.	1997	MS Thesis, Watershed Science Program, Utah State University	flow, water, arkansas river, hydrology, vegetation
D00402	Effects of a Mine Tailings Spill on Feeding and Metal Concentrations in Yellow Perch (<i>Perca flavescens</i>)	Draves, J.F. and M.G. Fox	1998	Environmental Toxicology and Chemistry 17 (8): 1626-1632	aquatic, fish, metals, metals uptake
D00594	Acute Toxicity of Ambient Arkansas River Water Samples to the Fathead Minnow (<i>Pimephales promelas</i>) and <i>Ceriodaphnia dubia</i>	Drottar, K.R.	1989	Res-ASARCO Joint Venture project file	Arkansas River, Toxicity, fathead minnow, fish, aquatic
D00097	Cadmium and Mercury in Emergent Mayflies (<i>Hexagenia bilineata</i>) from the Upper Mississippi River	Dukerschein, J.T., J.G. Wiener, R.G. Rada, and M.T. Steingraeber	1992	Archives of Environmental Contamination and Toxicology 23:109-116	Invertebrates, Aquatic, Metals, Upper Mississippi River
D00542	Toxicity and Bioaccumulation of a Mixture of Heavy Metals in <i>Chironomus tentans</i> (Diptera: Chironomidae) in Synthetic Sediment	E.A. Harrahy and W.H. Clements	1997	Environmental Toxicology and Chemistry 16(2):317-327	invertebrates, metals, sediment, bioaccumulation, aquatic
D00413	Reconnaissance of Water Quality of Pueblo Reservoir, Colorado--May through December 1985	Edelmann, P.	1989	U.S. Geological Survey, Water-Resources Investigations Report 88-4118	pueblo reservoir, downstream, water quality, arkansas river, metals, phytoplankton, zooplankton
D00400	Compilation of Water-Quality Data for Pueblo Reservoir and the Upper Arkansas River Basin, Colorado, 1985-87 (cover only)	Edelmann, P., J.A. Scaplo, D.A. Colalancia, B.B. Elson	1991	USGS Open-File Report 91-506 (Contaminants database #4011)	water quality, upper Arkansas River, Pueblo Reservoir, aquatic

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D00098	Toxic Heavy Metals in Groundwater of a Portion of the Front Range Mineral Belt - Final Completion Report	Edwards, K.W. and R. Klusman	1976	Colorado State University, Fort Collins, Colorado Completion Report Series No. 72	Heavy Metals
D00529	Defining the Limits of Restoration: The Need for Realistic Goals	Ehrenfeld, J.G.	2000	Restoration Ecology 8(1):2-9	riparian, restoration, goals, wetlands, ecosystem management, conservation
D00099	Handbook of Chemical Risk Assessment: Health Hazards to Humans, Plants, and Animals	Eisler, R.	2000	Lewis Publishers pp. 1903	cadmium, copper, zinc, arsenic, lead, vegetation, invertebrates, metals
D00517	Environmental Report for the Cotter Uranium Mill, Canon City, Colorado	Ellis, D. B., and B. G. Johnson	1977	Nalco Environmental Sciences, Northbrook, Illinois	Lincoln Park, Cotter Mill, arkansas river, Canon City, tailings, uranium, radon, molybdenum, radioactivity, water, ground-water, soils, biota, vegetation, birds, mammals, metals
D00593	Characterization of Adult Brown Trout Growth and Survival in the Arkansas River	ENSR	1989	Res-ASARCO Joint Venture project file	Brown Trout, Arkansas River, fish, aquatic
D00419	Focused Feasibility Study, Former Koppers Wood Treating Site, Salida, Colorado	ENSR	1997	Beazer East Inc. Doc. No. 0845-036-640	smelertown, koppers, metals, downstream, arkansas river, remediation, metals, wood treatment
D00616	Letter report on the status of the brown trout fishery in the Arkansas River in the vicinity of accidental CDOW rotenone fish kill	ENSR Consulting and Engineering	1988	Res-ASARCO Joint Venture California Gulch CERCLA Site Central Project File	fish, Arkansas River, rotenone, trout, aquatic
D00590	An Evaluation of Metal Standards in the Upper Arkansas River and Their Relationship to the Survival and Growth of Brown Trout	ENSR Consulting and Engineering, for: Bradley, Campbell and Carney	1989	Bradley, Campbell and Carney, Document number 1020-001, Res-ASARCO Cal Gulch Central Project File	Metals, Brown Trout, Upper Arkansas River, fish
D00437	Final Report, College of the Canons	ENTACT	1998	ENTACT	college of the canons, arkansas river, downstream, metals, smelter, remediation, soils, air,
D00409	Post Removal Site Control Plan, College of the Canons, Canon City, Colorado	ENTACT	1998	Post Removal Site Control Plan	College of the Canons, remediation, downstream, arkansas river, mine tailings
D00518	Evaluation of the Arkansas River Near and Below the Cotter Uranium Mill Site, Canon City, Colorado	EPA	1992	Remedial Action Plan, Section 30, Final Report	Lincoln Park, Cotter Mill, arkansas river, Canon City, water, sediment, biota, fish, birds, microinvertebrates, mammals,

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D00519	Evaluation of the Willow Lakes Near the Cotter Uranium Mill Site, Canon City, Colorado	EPA	1993	Remedial Action Plan, Section 26, Final Report	Lincoln Park, Cotter Mill, arkansas river, Canon City, water, sediment, algae, fish, microinvertebrates,
D00564	St. Kevin Gulch : Letter from USGS to USFWS Re: invertebrate & cowpie metal concentrations	Erickson, B.	1991	Letter from USGS to USFWS	st. kevin gulch, invertebrates, terrestrial, metals
D00102	Analytical Results for Sedge Samples Collected on the Wetland Receiving Acid Mine Drainage Waters from St. Kevin Gulch, Leadville, Colorado	Erickson, B. M., P. H. Briggs, K. R. Kennedy and T. R. Peacock	1991	U. S. Geological Survey, Denver Federal Center, Denver, Colorado, Open-File Report 91-126	Wetland/Riparian, Metals, Plants, Vegetation, Upper Arkansas River Basin, St. Kevin Gulch, Leadville, Colorado, Acid Mine Drainage, aquatic
D00103	Status Report on a Study of the Effects of Acid Mine Drainage on Vegetation Near Leadville, Colorado. In: U.S. Geological Survey, Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Phoenix, Arizona, September 26-30, 1988	Erickson, B.M.	1988	U. S. Geological Survey, Water Resources Investigations Report 88-4220	Vegetation, Acid Mine Drainage, Leadville, Colorado, St. Kevin Gulch, terrestrial
D00104	The Interactions of Water Hardness and pH with the Acute Toxicity of Zinc to the Brown Trout, <i>Salmo trutta</i>	Everall, N.C., N.A.A. MacFarlane and R.W. Sedgwick	1989	Journal of Fish Biology 35:27-36	Fish, trout, zinc, pH, water hardness, metals, aquatic
D00105	Physiological Changes and Tissue Metal Accumulation in Rainbow Trout Exposed to Foodborne and Waterborne Metals	Farag, A.M., C.J. Boese, D. F. Woodward, and H.L. Bergman	1994	Environmental Toxicology and Chemistry 13(12):2021-2029	Fish, Metals, Trout, Effects, Physiology, aquatic
D00106	The Effects of Low pH and Elevated Aluminum on Yellowstone Cutthroat Trout (<i>Oncorhynchus clarki bouvieri</i>)	Farag, A.M., D.F. Woodward, E.E. Little, B. Steadman and F.A. Vertucci	1993	Environmental Toxicology and Chemistry 12:719-731	Fish, Trout, Cutthroat, pH Effects, aquatic
D00421	Dietary Effects of Metals-Contaminated Invertebrates from the Coeur d'Alene River, Idaho, on Cutthroat Trout	Farag, A.M., D.F. Woodward, W. Brumbaugh, J.N. Goldstein, E. MacConnell, C. Hogstrand, and F.T. Barrows	1999	Transactions of the American Fisheries Society 128: 578-592	fish, coeur d'alene, idaho, invertebrates, trout, metals, aquatic
D00448	The Physiological Impairment of Free-ranging Brown Trout Exposed to Metals in the Clark Fork River, Montana	Farag, A.M., M.A. Stansbury, C. Hogstrand, E. MacConnell, and H.L. Bergman	1995	Canadian Journal of Fisheries and Aquatic Science 52: 2038-2050	clark fork, metals, aquatic, water quality, fish, metallothionein, tissue residues
D00341	Fish Communities as Indicators of Environmental Degradation	Fausch, K.D., J. Lyons, J.R. Karr, and P.L. Angermeier	1990	American Fisheries Society Symposium 8:123-144	Fish, Communities, Indicators, Environmental Degradation, aquatic
D00107	Geochemical Classification of Mine Drainages and Natural Drainages in Mineralized Areas	Ficklin, W. H., G. S. Plumlee, K. S. Smith and J. B. McHugh	1992	Water Rock Interaction, Kharaka and Maest (eds), Balkema, Rotterdam. ISBN 90 5410 0753	Geochemistry, Acid Mine Drainage, metals, pH

Doc No.	Title	Author	Date	Reference	Key Words
D00108	Fryingpan-Arkansas Studies. In: Colorado Fisheries Research Review, 1972	Finnell, L.M.	1972	Colorado Division of Game, Fish and Parks, Colorado Fisheries Research Review, 1972, Review No. 7, Fisheries Research Section	Aquatic Biota, Fryingpan-Arkansas Project, Arkansas River, Colorado, Hunter Creek
D00109	Coldwater Reservoir and High Lakes Studies	Finnell, L.M. and G.L. Bennett	1975	In: Colorado Fisheries Research Review 1972-1975. Colorado Division of Wildlife, Review No. 8, Fisheries Research Section	CDOW-Fish, aquatic, Arkansas River
D00456	Revegetation of Fluvial Tailing Deposits on the Arkansas River near Leadville, Colorado	Fisher, K.T.	1999	M.S. Thesis, Colorado State University	revegetation, arkansas river, tailings, willows, fluvial, soils, amendments, metals, phytotoxic
D00569	Interactive Effects of Soil Amendments and Depth of Incorporation on Geyer Willow	Fisher, K.T., J.E. Brummer, W.C. Leininger, and D.M. Heil	2000	Journal of Environmental Quality 29 (6):1786-1793	upper arkansas, terrestrial, restoration, remediation, willows, vegetation, 11-mile reach, tailings, fluvial, riparian
D00110	Landscape Geochemistry: Retrospect and Prospect - 1990	Fortescue, J.A.C.	1992	Applied Geochemistry 7:1-52	Geochemistry
D00452	Aspects of Leadville Area Mine Drainage Affecting the Upper Arkansas River	Frank, W.	1980	report obtained from E. Seppi	history, arkansas river, water quality, california gulch, metals
D00111	Molybdenum - A Toxicological Appraisal	Friberg, L., P. Boston, G. Nordberg, M. Piscator and K.-H. Robert	1975	4 01, Stockholm 60, Sweden, EPA-60011-75-004, Contract No. 68-024210	Metals, Molybdenum, Toxicology
D00113	Bioavailability of Metal Mixtures in Natural and Synthetic Sediments	Frugie, M.	1995	Colorado State University, Fishery and Wildlife Biology Department, Fort Collins, Colorado, Master's Thesis	Sediments, Bioavailability, Metals, Invertebrates, Arkansas River, California Gulch, Leadville, Colorado
D00169	Ingestion of Soil by hispid Cotton Rats, White-Footed Mice, and Eastern Chipmunks	Garten, C.T.	1980	Journal of Mammalogy 61(1):136-137	hispid cotton rats, white-footed mice, soil, ingestion, mammals, terrestrial
D00521	Cotter Corporation Uranium Mill Site	Geotrans, Inc., Rocky Mountain Consultants, Inc., and ERI Logan, Inc.	1986	Remedial Investigation for The State of Colorado Department of Law Office of the Attorney General	Lincoln Park, Cotter Mill, arkansas river, Canon City, tailings, uranium, radon, molybdenum, radioactivity, water, ground-water, soils, biota, vegetation, birds, mammals
D00114	Water Quality of Impoundments on Surface-Mined Sites	Gilley, J. E., G. W. Gee, A. Bauer, W.O. Willis, and R.A. Young	1976	North Dakota Farm Research 34(2)	Water Quality, soils, mining
D00115	Gaining Perspective on Aquatic Habitat Restoration	Gillian, S.	1995	Land and Water Sept/Oct: 30-33	Restoration, Aquatic Habitat

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D00531	Letter regarding results from Breeding Bird Surveys in the Upper Arkansas Basin	Gillihan, S.	1995	letter to FWS	birds, upper arkansas, riparian,
D00116	Colorado Trout	Greene, W.	1937	Colorado Museum of Natural History. Popular Series No. 2.	Fish, aquatic, trout
D00117	Status and Management of Interior Stocks of Cutthroat Trout	Gresswell, R.E., Editor	1988	American Fisheries Society Symposium 4	Fish, Trout, Cutthroat, aquatic
D00118	Factors Affecting mercury Accumulation in Fish I the Upper Michigan Peninsula	Grieb, T.M., C.T. Driscoll, S.P. Glos, C.L. Schofield, G.L. Bowie and D.B. Porcella	1990	Environmental Toxicology and Chemistry 9:919-930	Fish, Metals, Mercury, Acclimation, aquatic, Michigan, pH
D00119	Summary: Developing a Biotic Index for Colorado Stream Quality	Grotheer, S.A.	1995	Colorado State University, CE Resource Center, Summary of CWRRI Completion Report No. 187, Fort Collins, Colorado	Aquatic Biota, Water Quality, Bio-Monitoring, Colorado, Cache La Poudre River
D00349	Automated Global Positioning System Charting of Environmental Attributes: A Limnologic Study	Gubala, C.P., C. Branch, N. Roundy, D. Landers	1994	The Science of the Total Environment 148:83-92	Global Positioning System, Limnology, GPS
D00120	Environmental Zinc and Cadmium Pollution Associated with Generalized Osteochondrosis, Osteoporosis, and Nephrocalcinosis in Horses	Gunson, D., D. Kowalczyk, C. Shoop and C. Ramberg	1982	Journal of American Veterinary Medical Association 180:295-299	Mammals, zinc, cadmium, metals, osteochondrosis, osteoporosis
D00121	Effects of Municipal Sludge on Locomotor Activity and Exploratory Behavior of Meadow Voles (<i>Microtus pennsylvanicus</i>)	Hall, A., D. Taylor and P. Woods	1990	Environmental Toxicology and Chemistry 9:31-36	Mammals, sludge, heavy metals, voles, copper, cadmium, lead, zinc
D00122	Zinc	Hambridge, M., C. Casey and N. Krebs	1986	In: Trace Elements in Human and Animal Nutrition, Ed. 5. Vol. 2 Academic Press, Inc., Orlando, Florida. 499 pp.	Mammals, zinc, metals
D00123	Safety Assessment of Selected Inorganic Elements to Fry of Chinook Salmon (<i>Oncorhynchus tshawytscha</i>)	Hamilton, S.J. and K.J. Buhl	1990	Ecotoxicology and Environmental Safety 20: 307-324	Fish, Metals, Salmon, Effects, Toxicity, aquatic
D00275	Wetlands Ecosystems: Natural Water Purifiers?	Hammer, D.A. and R.K. Bastian	1989	In Constructed Wetlands for Waste Water Treatment: Municipal, Industrial and Agricultural, edited by D. Hammer:5-19	wetlands, metals, aquatic
D00124	The Interactions Between the Surface of Rainbow Trout, <i>Oncorhynchus mykiss</i> , and Waterborne Metal Toxicants	Handy, R. and F. Eddy	1990	Functional Ecology 4:385-392	Fish, trout, metals, toxicity, zinc, aquatic

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D00359	Summary of the Hanford Site Environmental Report for Calendar Year 1994	Hanf, R.W., R.E. Schrempf, and R.L. Dirkes	1996	U.S. Department of Energy under Contract DE-AC06-76RLO 1830, Pacific Northwest Laboratory, Richland, Washington	Hanford Site, Washington, Nuclear, Cleanup
D00125	The Erosion Control Letters: We are What We Teach	Harding, M.V.	1995	Land and Water September/October:9-10	Streambank Erosion
D00127	Lead in Mule Deer Forage in Rocky Mountain National Park, Colorado	Harrison, P. and M. Dyer	1984	Journal of Wildlife Management, 48:510-517	Mammals, lead, metals, terrestrial
D00128	Metal Contamination in Liver and Muscle of Northern Pike (Esox Lucius) and White Sucker (Catostomus commersoni) and in Sediments from Lakes Near the Smelter at Flin Flon, Manitoba	Harrison, S. E. and J. F. Klaverkamp	1990	Environmental Toxicology and Chemistry 9:941-956	Fish, Metals, Sediments, Smelters, deposition
D00332	Dietary Exposure of Mink to Carp from Saginaw Bay, Michigan. 1. Effects on Reproduction and Survival, and the Potential Risks to Wild Mink Populations.	Heaton, S.N., S.J. Bursian, J.P. Giesy, D.E. Tillitt, J.A. Render, P.D. Jones, D.A. Verbrugge, T.J. Kubiak, R.J. Aulerich	1995	Archives of Environmental Contamination and Toxicology 28:334-343	Carp, Mink, Michigan, Reproduction, Survival, Diet, PCBs
D00602	Heavy metal accumulation in small mammals following sewage sludge application to forests	Hegstrom, L. J. and S. D. West	1989	Journal of Environmental Quality 18:345-349	metals, mammals, terrestrial
D00129	Altered Avoidance Behavior of Young Black Ducks Fed Cadmium	Heinz, G., S. Haseltine and L. Sileo	1983	Environmental Toxicology and Chemistry 2:419-421	Birds, cadmium, metals
D00474	Mining in Colorado: A History of Discovery, Development, and Production (Section on Lake County only)	Henderson, C.W.	1926	U.S. Geological Survey, Professional Paper 138	arkansas river, lake county, mining history, mining, production, development, placer, hydraulic
D00603	Modelling and monitoring organochlorine and heavy metal accumulation in soils, earthworms, and shrews in Rhine-Delta floodplains	Hendriks, A.J., W.-C. Ma, J.J. Brouns, E.M. de Ruiter-Dijkman and R. Gast	1995	Archives of Environmental Contamination and Toxicology 29:115-127	metals, mammals, invertebrates, terrestrial
D00130	Lead in Hawks, Falcons and Owls Downstream from a Mining Site on the Coeur D'Alene River, Idaho	Henny, C.J., L.J. Blus, D.J. Hoffman and R.A. Grove	1994	Environmental Monitoring and Assessment 29: 267-288	Birds, Raptors, Mining, Metals, Lead, Coeur D'Alene River, Idaho, terrestrial
D00523	Restoration Ecology of Riverine Wetlands: I. A Scientific Basis	Henry, C.P. and C. Amoros	1995	Environmental Management 19(6):891-902.	restoration, river, wetlands, stream, monitoring
D00132	Effects of Impoundment on Water and Sediment in the Arkansas River at Pueblo Reservoir	Herrmann, S. J. and K. I Mahan	1977	U. S. Bureau of Reclamation, Lower Missouri Region, Fryingpan-Arkansas Project, Colorado	Sediments, aquatic, Arkansas River, Pueblo River

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D00051	Nutrient Uptake and Community Metabolism in Streams Draining Harvested and Old Growth Watersheds: A Preliminary Assessment	Hill, B.H., F.H. McCormick	2000	Hill and McCormick, Research Ecologists, U.S. EPA, National Exposure Research Laboratory, Ecological Exposure Research Division, Cincinnati, OH	nutrient uptake, streams, water, metabolism, aquatic
D00133	Survival, Growth, and Accumulation of Ingested Lead in Nesting American Kestrels (<i>Falco sparverius</i>)	Hoffman, D., J. Franson, O. Pattee, C. Bunck and A. Anderson	1985	Comprehensive Biochemistry and Physiology, 80C:431-439	Birds, lead, metals, kestrels
D00623	Accumulation of cadmium, copper and zinc in the liver of some passerine species wintering in Central Norway	Hogstad, O.	1996	The Science of the Total Environment 183:187-194	heavy metals, liver, cadmium, zinc, copper, pollution, passerines, parus
D00134	Long-Term Effects of Lead Exposure on Three Generations of Brook Trout (<i>Salvelinus fontinalis</i>)(cover page only)	Holcombe, G. W., D. A. Benoit, E. N. Leonard, and J. M. McKim	1976	Journal of Fish Resources Board Can. 33: 1731-1741	Fish, Metals, Trout, Lead, aquatic
D00135	An Investigation of Trout and Benthic Macro invertebrate Populations in the Mainstem of Chalk Creek, Chaffee County, Colorado	Horn, B.J.	1993	Colorado Division of Wildlife, 1993	Aquatic Biota, Trout, Invertebrates, Chalk Creek, Colorado
D00136	The Use of Automatically Collected Point Samples to Estimate Suspended Sediment and Associated Trace Element Concentrations for Determining Annual Mass Transport	Horowitz, A. J., K. A. Elrick, P. B. Von Guerard, N. O. Young, G. R. Buell and T. L. Miller	1992	Erosion and Sediment Transport Monitoring Programmes in River Basins (Proceedings of the Oslo Symposium, August 1992) IAHS Publ. No. 210, 1992	Metals, Transport, Sediments
D00137	Cross-sectional Variability in Suspended Sediment and Associated Trace Element Concentration in Selected Rivers in the US	Horowitz, A.J., F.A. Rinella, P. Lamothe, T.L. Miller, T.K. Edwards, R.L. Roche and D.A. Rickert	1989	Sediment and the Environment (Proceedings of the Baltimore Symposium, May 1989), IAHS Publ. No. 18: 1989	Metals, Transport, Sediments, U. S. Rivers
D00138	Variation in Suspended Sediment and Associated Trace Element Concentrations in Selected Riverine Cross Sections	Horowitz, A.J., F.A. Rinella, P. Lamothe, T.L. Miller, T.K. Edwards, R.L. Roche and D.A. Rickert	1990	Environmental Science and Technology 24(9):1313-1320	Metals, Transport, Sediments, U.S. Rivers
D00581	Variations in Suspended Sediment and Associated Trace Element Concentrations in Selected Riverine Cross Sections	Horowitz, A.J., F.A. Rinella, P. Lamothe, T.L. Miller, T.K. Edwards, R.L. Roche, D.A. Rickert	1990	Environmental Science & Technology 24(9):1313-1320	sediment, trace element concentrations
D00139	Copper Lethality to Rainbow Trout in Waters of Various Hardness and pH	Howarth, R. S. and J. B. Sprague	1978	Water Research, 12:455-462	Fish, Metals, Trout, Copper, aquatic
D00571	Photochemical and Seasonal Cycling of Manganese in Lake Fork	Hrncir, D. and D. McKnight	2000	NCERQA Grant Annual Report	upper arkansas, lake fork, metals, water, aquatic
D00140	Use of Watershed Characteristics to Select Control Streams for Estimating Effects of Metal Mining Wastes on Extensively Disturbed Streams	Hughes, Robert M.	1985	Environmental Management 9(3):253-262	Metals, Impacts, Study Techniques, Mining, Watershed, aquatic

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D00041	Food Chain Relationships of Copper and Cadmium in Contaminated Grassland Ecosystems	Hunter, B.A. and M.S. Johnson	1982	Oikos 38:108-117	grasslands, copper, cadmium, metals, mammals, invertebrates
D00141	Review of the EPA California Gulch Phase I Remedial Investigation Report	Hydrometrics, Inc.	1987	Counsel for Defendants in Civil Action No. 86-C-1675	RI/FS, California Gulch
D00142	Testing Sediment Toxicity with <i>Hyalella azteca</i> (Amphipoda) and <i>Chironomus riparius</i> (Dipter)	Ingersoll, C. G. and M. K. Nelson	1990	American Society for Testing and Materials, Philadelphia, PA, Standard Technical Publication 1096 - 1990	Invertebrates, sediment, metals
D00143	Bioaccumulation of Metals by <i>Hyalella azteca</i> Exposed to Contaminated Sediments from the Upper Clark Fork River, Montana	Ingersoll, Chris G., William G. Brumbaugh, F. James Swyer, Nile E. Kemble	1994	Environmental Toxicology and Chemistry 13(12):2013-2020	Sediments, Bioaccumulation, Invertebrates, Upper Clark Fork River, Montana, fish, aquatic, metals
D00457	Fluvial Geomorphologic Assessment of Upper Arkansas River: Final Report	Inter-Fluve, Inc. and FLO Engineering, Inc	1999	Prepared for URS Operating Services, Inc.	arkansas river, flows, hydrology, geomorphology, 11-mile reach, OU-11, sediments
D00549	On the Need to Select an Ecosystem of Reference, However Imperfect: A Reply to Pickett & Parker	J. Aronson, S. Dhillion, E. Le Floc'h	1995	Restoration Ecology 3(1):1-3	reference, restoration, monitoring,
D00626	Linkage of Effects to Tissue Residues: Development of a Comprehensive Database for Aquatic Organisms Exposed to Inorganic and Organic Chemicals (Andrew has)	Jarvinen, A.W., G.T. Ankley	1999	SETAC technical publications series	tissues, aquatic organisms, chemicals, water quality, bioaccumulation
D00144	Biological Monitoring of Toxic Trace Elements	Jenkins, Dale W.	1981	U. S. Environmental Protection Agency, Environmental Monitoring Systems Laboratory, Las Vegas, NV, Research and Development, EPA-600/S3-80-090, Feb, 1981	Metals, Bio-Monitoring
D00543	Lead Exposure in Passerines Inhabiting Lead-Contaminated Floodplains in the Coeur D'Alene River Basin, Idaho, USA	Johnson, G.D., D.J. Audet, J.W. Kern, L.J. LeCaptain, M. D. Strickland, D.J. Hoffman, and L.L. McDonald	1999	Environmental Toxicology and Chemistry 18(6):1190-1194	metals, birds, floodplain, lead, American robin, Song sparrow, idaho
D00145	Report of Explorations in Colorado and Utah During the Summer of 1889, with an Account of the Fishes Found in Each of the River Basins Examined	Jordan, D.S.	1889	United States Fish Commission, Vol. IX, Washington Government Printing Office 1891	Fish, Colorado, aquatic
D00146	Trace Elements in Soils and Plants	Kabata-Pendias, A. and H. Pendias	1984	CRC Press, New York, New York, 278 pp.	Vegetation
D00147	Development of High Mountain Plant Communities as Wetland Mitigation Systems for Copper Mine Effluent - Project End Report	Kastning-Culp, Larry DeBrey and J. Lockwood	1993	University of Wyoming, Department of Plant, Soil and Insect Sciences 4 June, 1993	Wetland/Riparian, Plants, Bioaccumulation, Little Snake River, Wyoming, Metals

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D00481	Cadmium Accumulation and Protein Binding Patterns in Tissues of the Rainbow Trout, <i>Salmo gairdneri</i>	Kay, J., D.G. Thomas, M.W. Brown, A. Cryer, D. Shurben, J.F. Solbe, and J.S. Garvey	1986	Environmental Health Perspectives 65: 133-139	fish, cadmium, aquatic, protein binding, trout, metals
D00148	High Plains Reclamation and Restoration at Black Thunder Mine	Keammerer, W. R. and R.L. Moore, Jr.	1995	Land and Water September/October, 1995	Restoration, Reclamation, Mining
D00354	Upper Arkansas River Research Projects: A Compilation of Summaries Presented to the Upper Arkansas River Research Workshop	Keidel, J.	1995	Upper Arkansas River Research Workshop April 17 & 18, Canon City, Colorado	Upper Arkansas River
D00149	Toxicity of Metal-Contaminated Sediments from the Upper Clark Fork River, Montana, to Aquatic Invertebrates and Fish in Laboratory Exposures	Kemble, N.E., W.G. Brumbaugh, E.L. Brunson, F.J. Dwyer, C.G. Ingersoll, D.P. Mondan and D.F. Woodward	1994	Environmental Toxicology and Chemistry, Vol 13, No. 12, pp. 1985-1997, 1994, 0730-7268(94)00147-2	Invertebrates, Aquatic, Metals, Sediments, Montana, Upper Clark Fork River, Fish
D00150	Effects of Chronic Lead Ingestion on Reproductive Characteristics of Ringed Turtle Doves (<i>Streptopelia risoria</i>) and Tissue Lead Concentrations Adults and Their Progeny	Kendall, R. and P. Scanlon	1981	Environmental Pollution (Series A) 26:203-213	Birds, lead, metals
D00151	Identification of Heavy metal Concentrations in Surface Waters Through Coupling of GIS and Hydrochemical Models	Kern, T. J. and J. D. Stednick	1993	Proceedings of the Vienna Conference, April 1993, IAHS Pub. 50, 211, 1993.	Water Quality, Modeling, Upper Arkansas River, Colorado, aquatic, metals
D00554	Effects of Heavy Metals on a Macroinvertebrate Assemblage from a Rocky Mountain Stream in Experimental Microcosms	Kiffney, P.J. and W.H. Clements	1994	Journal of the North American Benthological Society 13(4): 511-523	aquatic, invertebrates, metals, community structure, upper arkansas, biomonitoring
D00152	Bioaccumulation of Heavy Metals by Benthic Invertebrates at the Arkansas River, Colorado	Kiffney, P.M. and W.H. Clements	1993	Environmental Toxicology and Chemistry 12:1507-1517	Invertebrates, Aquatic, Metals, Arkansas River, Colorado, bioaccumulation
D00516	Effects of Metals on Stream Macroinvertebrate Assemblages from Different Altitudes	Kiffney, P.M. and W.H. Clements	1996	Ecological Applications 6(2):472-481	arkansas river, metals, invertebrates, streams, aquatic
D00153	Upper Arkansas River Surface-Water Toxics Projects, Selected Excerpts From: Physical, Chemical, and Biological Processes in Waters Affected by Acid Mine Drainage: From Headwater Streams to Downstream Reservoirs	Kimball, B.A.	1991	U. S. Geological Survey, Upper Arkansas River Surface-Water Toxics Projects	Metals, Transport, Upper Arkansas River Basin, Acid Mine Drainage, St. Kevin Gulch, Colorado
D00154	Metal Partitioning and Photoreduction of Iron in Filtrates of Acid Streamwater, St. Kevin Gulch, CO	Kimball, B.A. and D.M. McKnight	1988	U. S. Geological Survey, Water Resources Investigations Report 88-4220	Metals, Transport, Acid Mine Drainage, Leadville, Colorado, St. Kevin Gulch
D00155	Effects of Colloids on Metal Transport in a River Receiving Acid Mine Drainage, Upper Arkansas River, Colorado, U.S. A. In: Metal Transport in an Acid Mine Impacted River	Kimball, B.A., E. Callender and E.V. Axtmann	1995	Applied Geochemistry 10:285-305	Metals, Transport, Acid Mine Drainage, Upper Arkansas River, Colorado

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D00157	Instream Chemical Reactions of Acid Mine Water Entering a Neutral Stream Near Leadville, Colorado	Kimball, B.A., G.A. Wetherbee	1989	U.S. Geological Survey Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Phoenix, Arizona, September 26-30. Water Investigations Report 88-4220	Metals, Transport, Acid Mine Drainage, Water Quality, Leadville, Colorado, St. Kevin Gulch, Upper Arkansas River
D00158	Research on Metals in Acid Mine Drainage in the Leadville Colorado Area	Kimball, B.A., K.E. Bencala, D.M. McKnight	1989	U.S. Geological Survey Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Phoenix, Arizona, September 26-30, Water Investigations Report 88-4220	Metals, Transport, Upper Arkansas River, Leadville, Colorado
D00348	CNHP Memorandum RE: Publishing Sub-committee Meeting Minutes, and Results	Kittel, G.M.	1996	Colorado Natural Heritage Program 4/15/96	Riparian Task Force, Publishing Sub-committee, Riparian Booklet
D00527	Montane Riparian Vegetation in Relation to Elevation and Geomorphology Along the Cache la Poudre River, Colorado (Thesis Abstract Only)	Kittel, G.M.	1994	Unpublished Thesis, University of Wyoming, Laramie, WY.	riparian, habitat, vegetation, river, elevational gradient
D00524	Five Elements for Effective Evaluation of Stream Restoration	Kondolf, G.M.	1995	Restoration Ecology 3(2):133-136.	restoration, stream, river, monitoring,
D00485	The Effects of Natural Exposure to High Levels of Zinc and Cadmium in the Immature Pony as a Function of Age	Kowalczyk, D.F., D.E. Gunson, C. R. Shoop, and C.F. Ramberg Jr.	1986	Environmental Research 40: 285-300	terrestrial, horse, metals, smelter, plants, lameness, tissues, trace element nutrition, osteochondrosis, mammals
D00160	Bibliography of Selected water-Resources Information for the Arkansas River Basin in Colorado Through 1985	Kuzmiak, J.M. and H.H. Strickland	1994	U. S. Geological Survey in cooperation with the Southeastern Colorado Water Conservancy District, Denver, Colorado, Open-File Report 94-331	Bibliography, Arkansas River Basin
D00246	Assessment of Heavy Metals Pollution in the Upper Arkansas River of Colorado	LaBounty, J.F., J.J. Sartoris, L.S. Klein, E.F. Monk and H.A. Salman	1975	U. S. Bureau of Reclamation, Engineering and Research Center, Denver, CO, ERC-75-5	Heavy Metals, contaminants, Upper Arkansas River, Colorado
D00052	Estimating the Number of Animals in Wildlife Populations	Lancia, R.A., J.D. Nichols, and K.H. Pollock	1994	In: T.A. Bookhout, ed. Research and management techniques for wildlife and habitats. Fifth ed. The Wildlife Society, Bethesda, Md.	terrestrial wildlife, populations
D00340	Geosynthetically Reinforced Vegetation: A Soft Armor Alternative to Riprap	Langford, R.	1996	Land and Water July/August 1996	Geosynthetic, Vegetation, Riprap, terrestrial
D00477	Gold Mining Effects on Heavy Metals in Streams, Circle Quadrangle, Alaska	LaPerriere, J.D., S.M. Wagener, and D.M. Bjerklie	1985	Water Resources Bulletin 21(2): 245-252	placer mining, water quality, metals, aquatic, stream, alaska

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D00163	Relationships Among Observed Metal Concentrations, Criteria, and Benthic Community Structural Responses in 15 Streams	LaPoint, T. W., S. M. Melancon, M. K. Morris	1984	Journal WPCF, 56(9):1030-1038	Invertebrates, Aquatic, Metals, Criteria
D00614	Copper, Zinc, and Cadmium Concentrations in Peromyscus maniculatus Samples Near an Abandoned Copper Mine	Laurinolli, M., and L.I. Bendell-Young	1996	Archives of Environmental Contamination and Toxicology. 30:481-486.	metals, mines, mammals, terrestrial
D00164	Clear Creek Basin: The Effects of Mining on Water Quality and the Aquatic Ecosystem	Lehnertz, C.S.	1991	Colorado Division of Wildlife, March, 1991	Aquatic Biota, Water Quality, Heavy Metals, Mining, Clear Creek, Colorado
D00165	Heavy Metal Contamination in Soils and Plant Species of the Arkansas Valley Near Leadville, Colorado	Levy, D.B.	1990	Colorado State University, Fort Collins, Colorado, M. S. Thesis	Soils, aquatic, metals, vegetation, Leadville, Arkansas River, California Gulch
D00591	Distribution and Partitioning of Trace metals in Contaminated Soils Near Leadville, CO	Levy, D.B., K.A. Barbarick, E.G. Siemer, and L.E. Sommers	1992	Journal of Environmental Quality 21(2)	Metals, Leadville, Soils, California Gulch, terrestrial
D00168	Heavy Metal Contamination in Soils and Plant Species of the Arkansas Valley Near Leadville, Colorado	Levy, D.B., K.A. Barbarick, E.G. Siemer, L.E. Sommers	1989	Colorado State University Department of Agronomy Technical Report TR89-7	Soils, aquatic, metals, vegetation, Leadville, Arkansas River, California Gulch
D00166	Aquatic Inhabitants of a Mine Waste Stream in Arizona	Lewis, M.	1977	USDA Forest Service, Rocky Mountain Forest and Range Experiment Station, Research Note, RM-849	Aquatic Biota, Water Quality, mine waste
D00535	How Does Streamflow Affect Metals in the Upper Arkansas River?	Lewis, M.E. and M.L. Clark	1997	USGS Fact Sheet FS-226-96	upper arkansas, metals, water, flow, water quality, arkansas river, downstream, aquatic
D00412	Physical, Chemical, and Biological Characteristics of Pueblo Reservoir, Colorado, 1985-1989	Lewis, M.E. and P. Edelmann	1994	U.S. Geological Survey, Water-Resources Investigations Report 94-4097	pueblo reservoir, downstream, arkansas river, water quality, sediment, metals, phytoplankton
D00167	An Evaluation of Mining Related Metals Pollution in the Upper Arkansas River Basin (Abstract)	Lewis, W.	1987	Colorado School of Mines, Golden, Colorado. M.S. Thesis T-3442	Heavy Metals, mining, Upper Arkansas River
D00496	Modelling Growth Responses of Rainbow Trout Fry as a Function of Tissue Copper Concentration and Exposure Duration	Lipton, J., J. Marr, D. Cacula, J. Hansen, and H.L. Bergman	1995	presented at the Annual Meeting of Society of Environmental Toxicology and Chemistry	fish, copper, trout, aquatic, tissue, toxicity, growth, metals
D00499	Impacts of Smelter Emissions on Vegetation - The Identification of Causal Mechanisms	Lipton, J., K. Le Jeune, D. Cacula, H. Galbraith, T. Podrabsky	1995	presented at the Annual Meeting of Society of Environmental Toxicology and Chemistry	smelter, emissions, vegetation, soils, metals, terrestrial

Doc No.	Title	Author	Date	Reference	Key Words
D00565	Interpretive Report: Surface and Groundwater Investigation California Gulch, Leadville, Colorado (do not have full report-- only some results tables)	Ljungberg, C. and M.L. Glaze	1983	EPA Site ID COD-980 717-938, TDD # R8-8303-11	upper arkansas, metals, water, california gulch
D00174	Summary of Metal Toxicity by Group	Luckey, T.D. and B. Venugopal	1977	In Metal Toxicity in Mammals 1: Physiologic and Chemical Basis for Metal Toxicity. Plenum Press	metals, mammals, toxicity, heavy metals, terrestrial
D00267	A brief history of the Yak Tunnel	Luke, J.	1970s	Resurrection Mining Company, US v. ASARCO case file	Yak Tunnel, Leadville, mining
D00606	Lead in mammals	Ma, W	1996	Environmental Contaminants in Wildlife: Interpreting Tissue Concentrations. Beyer, W.N., G.H. Heinz, and A.W. Redmon-Norwood (eds.). pp. 281-296. SETAC Special Publication Series. Lewis Publishers	lead, metals, mammals
D00604	Effect of soil pollution with metallic lead pellets on lead bioaccumulation and organ/body weight alterations in small mammals	Ma, W.	1989	Archives of Environmental Contamination and Toxicology 18:617-622	metals, bioaccumulation, mammals, terrestrial
D00605	Hazardous exposure of ground-living small mammals to cadmium and lead in contaminated terrestrial ecosystems	Ma, W., W. Denneman, and J. Faber	1991	Archives of Environmental Contamination and Toxicology 20:266-270	metals, lead, cadmium, mammals, terrestrial
D00585	Development and Evaluation of Consensus-Based Sediment Quality Guidelines for Freshwater Ecosystems	MacDonald, D.D., C.G. Ingersoll, T.A. Berger	1999	Archives of Environmental Contamination and Toxicology	Sediment quality guidelines, sediment, toxicity, metals, PAHs, PCBs, pesticides, freshwater, aquatic
D00170	Differences in Relative Sensitivity of Native and Metals-Acclimated Brown and Rainbow Trout Exposed to Metals Representative of the Clark Fork River, Montana	Marr, J. C. A., H. L. Bergman, C. Hogstrand and J. Lipton	1994	University of Wyoming, Department of Zoology and Physiology, McMaster University, Hamilton, Ontario, Canada and RCG/Hagler Bailly, Boulder, Colorado	Fish, Metals, Trout, Acclimation, aquatic
D00495	Acute Lethality and Bioavailability of Copper in the Presence of Dissolved Organic Carbon	Marr, J., J. Lipton, A. Maest, D. Cacela, J.S. Meyer, J. Hansen, and H.L. Bergman	1995	presented at the Annual Meeting of Society of Environmental Toxicology and Chemistry	fish, copper, doc, aquatic, bioassay, toxicity, metals
D00447	Relative Sensitivity of Brown and Rainbow Trout to Pulsed Exposures of an Acutely Lethal Mixture of Metals Typical of the Clark Fork River, Montana	Marr, J.C., H.L. Bergman, M. Parker, J. Lipton, D. Cacela, W. Erickson, and G.R. Phillips	1995	Canadian Journal of Fisheries and Aquatic Science 52: 2005-2015	clark fork, metals, aquatic, water quality, fish
D00171	Mycorrhizae: Fungal Tools for Establishing Trees on Mined-Lands	Marx, D.H. and C.E. Cordell	1995	Land and Water, July/August:12-13	Restoration, Mining, Mycorrhizae, fungi, terrestrial

Doc No.	Title	Author	Date	Reference	Key Words
D00347	Fish Kill Doesn't Sway the EPA	Matthews, M.	1996	High Country News: 4/29/96	Fish Kill, EPA, Mining, Sediments, Toxic, Clark Fork River, Montana
D00620	Tissue Residues of Dietary Cadmium in Wood Ducks	Mayack, L.A., P.B. Bush, O.J. Fletcher, R.K. Page and T.T. Fendley	1981	Archives of Environmental Contamination and Toxicology 10: 637-645	Cadmium, wood ducks, tissues, metals, birds
D00577	Arkansas River Sediment and Water Quality Assessment -Final Report	McCulley, Frick, & Gilman, Inc. for Rocky Mountain Consultants	1990	McCulley, Frick & Gilman, Inc. Boulder, Colorado	arkansas River, water quality, metals, contaminant, yak tunnel, aquatic
D00335	Hanford: Your Environment and Your Health	McMakin, Andrea, and Mindy Strong	1995	U.S. Dept. of Energy, Pacific Northwest Laboratory, Washington	Hanford, Environment, Health, Washington
D00172	Behavioral Responses of Lake Whitefish (Coregonus clupeaformis) to Cadmium During Preference-Avoidance Testing	McNicol, R. and E. Scherer	1991	Environmental Toxicology and Chemistry 10:225-234	Fish, cadmium, metals, aquatic
D00241	Upper Arkansas Assessment	McNicoll, C., D. Gilbert, W. Hann, L. Klock, D. Long, M. Rowan, M. Sugaski	1999	U.S. BLM, Royal Gorge Resource Area, Leadville and Salida Ranger Districts Pike and San Isabel National Forest	Upper Arkansas River, watershed, fish, habitat, wildlife
D00173	Conceptual Model and the Development of a Contaminant Transport Model for Metals in California Gulch	Medine, A.J.	1994	Cal Gulch Superfund Site Draft Technical Memorandum	Metals, Transport, Upper Arkansas River Basin, California Gulch
D00552	Responses of Diatom Communities to Heavy Metals in Streams: the Influence of Longitudinal Variation	Medley, C.N. and W.H. Clements	1998	Ecological Applications 8(3):631-644	metals, diatoms, rocky mountains, water quality, benthic, longitudinal variation, elevation, aquatic
D00498	Use of Geochemical and Toxicity Modeling to Predict Lethality of Copper in a Metals-Impacted Stream	Meyer, J.S., D. Beltman, A. Maest, J. Marr, J. Lipton, C. Cors, D. Cacula, and R. MacRae	1995	presented at the Annual Meeting of Society of Environmental Toxicology and Chemistry	copper, metals, aquatic, fish, toxicity
D00515	Analytical Results Report for Focused Site Inspection: Chalk Creek Watershed, Chaffee County, Colorado	Miller, J.	2000	URS Operating Services, Inc. for U.S. EPA, CERCLIS ID # CO0006875906	arkansas river, metals, soils, sediment, water quality, water, ground-water
D00156	Summitville Site Water Quality Characterization and Modeling	Miller, S.H., D.J.A. Van Zyl, McPherson, P.	1995	Colorado Geological Survey; Special Publication 38; Proceedings: Summitville Forum '95	water quality, Summitville, copper, metals
D00175	The Effects of Hardness, Alkalinity and pH of Test Water on the Toxicity of Copper to Rainbow Trout (Salmo gairdneri)	Miller, T. G. and W. C. Mackay	1980	Water Research 14:429-433	Fish, Metals, Trout, Copper, pH, toxicity, alkalinity
D00494	Faded Glory	Miniclier, K.	1996	14 April 1996, The Denver Post, Empire Magazine	leadville, history, mining

Doc No.	Title	Author	Date	Reference	Key Words
D00177	Effects of Metal-Mine Drainage on Water Quality in Selected Areas of Colorado, 1972-73	Moran, R.E. and D.A. Wentz	1974	U. S. Geological Survey in Cooperation with the Colorado Water Pollution Control Commission, Denver, Colorado, Colorado Water Resources Circular No. 25	Water Quality, metals, mining, Arkansas River, California Gulch
D00176	Variations in Metal Content of the Kerber Creek Drainage, Colorado: An Area Affected by Mining	Moran, R.E. and D.A. Wentz	1974	U. S. Geological Survey, Denver, Colorado, Proceedings: International Symposium on Water-Rock Interaction Czechoslovakia	Metals, Transport, Acid Mine Drainage, Water Quality, Colorado, aquatic, Kerber Creek
D00178	Final Report for Lead Slag Pile Remedial Investigation at the California Gulch Site Leadville, Colorado (Administrative Order on Consent CERCLA-VII-92-06), Volume 1 of 3	Morrison Knudsen Corporation	1992	Denver & Rio Grand Western Railroad Company, December 11, 1992	RI/FS, lead, metals, California Gulch, Leadville, Colorado
D00181	Final Report for Lead Slag Pile Remedial Investigation at the California Gulch Site Leadville, Colorado (Administrative Order on Consent CERCLA-VII-92-06), Volume 2 of 3	Morrison Knudsen Corporation	1992	Denver & Rio Grand Western Railroad Company, December 11, 1992	RI/FS, lead slag, metals, California Gulch, Leadville, Colorado
D00182	Final Report for Lead Slag Pile Remedial Investigation at the California Gulch Site Leadville, Colorado (Administrative Order on Consent CERCLA-VII-92-06), Volume 3 of 3	Morrison Knudsen Corporation	1992	Denver & Rio Grand Western Railroad Company, December 11, 1992	RI/FS, lead slag, metals, California Gulch, Leadville, Colorado
D00183	Final Report for Zinc Slag Pile Remedial Investigation at the California Gulch Site Leadville, Colorado (Administrative Order on Consent CERCLA-VIII-92-06), Appendices	Morrison Knudsen Corporation	1992	Denver & Rio Grand Western Railroad Company, December 11, 1992	RI/FS, lead slag, metals, California Gulch, Leadville, Colorado
D00180	Final Report for Zinc Slag Pile Remedial Investigation at the California Gulch Site Leadville, Colorado (Administrative Order on Consent CERCLA-VIII-92-06), Volume 1 of 2	Morrison Knudsen Corporation	1992	Denver & Rio Grand Western Railroad Company, December 11, 1992	RI/FS, zinc, metals, California Gulch, Leadville, Colorado
D00179	Final Report for Zinc Slag Pile Remedial Investigation at the California Gulch Site Leadville, Colorado (Administrative Order on Consent CERCLA-VIII-92-06), Volume 2 of 2	Morrison Knudsen Corporation	1992	Denver & Rio Grand Western Railroad Company, December 11, 1992	RI/FS, zinc, metals, California Gulch, Leadville, Colorado
D00567	Reconnaissance Investigation of Water Quality, Bottom Sediment, and Biota Associated with Irrigation Drainage in the Middle Arkansas River Basin, Colorado and Kansas, 1988-89	Mueller, D.K., L.R. DeWeese, A.J. Garner, and T.B. Spruill	1991	U.S. Geologic Survey, Water-Resources Investigations Report 91-4060	water, birds, metals, pueblo reservoir, sediment,

Doc No.	Title	Author	Date	Reference	Key Words
D00350	Evaluation of Lead in Sediment and Biota, East and West Page Swamps, Bunker Hill Superfund Site, Idaho (1019.3180)	Mullins, W.H., S.A. Burch	1994	U.S. Fish and Wildlife Service, Memorandum, Portland, Oregon	Lead, Sediment, Biota, Swamps, Idaho, Bunker Hill, metals
D00161	Metals in Soft Tissues of Mule Deer and Antelope	Munshower, F.F., and D.R. Neuman	1979	Bulletin of Environmental Contaminant Toxicology	heavy metals, mammals, mule deer, antelope
D00422	The Effects of Flow Augmentation on Channel Geometry of the Uncompahgre River	Mussetter, R.A. and M.D. Harvey	1995	unpublished report	geomorphology, flows, hydraulic, hydrology, channel stability, erosion, flow augmentation
D00184	Arsenic (Cover Only)	National Academy of Science, Committee on Medical and Biologic Effects of Environmental Pollution	1977	National Academy of Sciences, Washington, D.C. 332 pp.	Heavy Metals, arsenic
D00629	Mineral Tolerance of Domestic Animals (cadmium, copper, lead, zinc)	National Academy of Sciences, subcommittee on Mineral Toxicity in Animals	1980	Mineral Tolerance of Domestic Animals	mammals, toxicity, metals, cadmium, copper, lead, zinc
D00327	Contaminants and Tree Swallows in the Fox River Drainage, Green Bay, Wisconsin	National Biological Service	1995	U.S. National Biological Service, NBS Information Bulletin	Birds, Tree Swallows, Contaminants, Sediments, Wisconsin, Green Bay, PCB, terrestrial
D00342	Influence of Metal Concentrations and pH on the Toxicity of Contaminated Floodplain Soils, Grant-Kohrs Ranch N.H.S., Montana	National Biological Service	1995	U.S. National Biological Service, NBS Information Bulletin No. 29	Metals, pH, Toxicity, Contamination, Floodplain, Soils, Montana, terrestrial
D00185	Prediction of Toxicity of Sediments Containing Complex Contaminant Mixtures	National Biological Service	1995	U. S. National Biological Service, U. S. Department of the Interior, NBS Information Bulletin, No. 23 1995	Sediments, Metals, Model, Contaminants, Pore Water
D00186	Seasonal Effects of the McLaren Tailings on Soda Butte Creek and Yellowstone National Park, Montana	National Biological Service	1995	U. S. National Biological Service, U. S. Department of the Interior, NBS Information Bulletin, No. 25 1995	Aquatic Biota, Mining, Montana, Heavy Metals
D00187	The Potential for Biological Effects of Sediment-Sorbed Contaminants Tested in the National Status and Trends Program	National Oceanic and Atmospheric Administration	1990	National Oceanic and Atmospheric Administration, National Ocean Service, NOAA Technical Memorandum NOS OMA 52, Seattle, Washington	Sediments, Metals, Contaminants, Effects, Aquatic Biota
D00382	Upper Arkansas River Vegetation Assessment	Natural Resources Conservation Service	1997	NRCS Report, NRCS Alamosa, CO	vegetation, riparian, arkansas river, lake county, terrestrial
D00374	Determination of Population-limiting Critical Salmonid Habitats in Colorado Streams Using the Physical Habitat Simulation System	Nehring, B.R., and R.M. Anderson	1993	Rivers 4:1-19	Brown Trout, Habitat Limitations, Instream Flow, Rainbow Trout, aquatic, fish

Doc No.	Title	Author	Date	Reference	Key Words
D00441	An Evaluation of the Possible Impacts of Heavy Metal Pollution on the Brown Trout Population of the Upper Arkansas River	Nehring, R.B.	1986	Colorado Division of Wildlife	arkansas river, aquatic, fish, metals, brown trout, water quality, contaminants
D00372	Stream Fisheries Investigations, Federal Aid Project F-51-R, Job 1. Fish Flow Investigations, Job 2. Wild Trout Introductions	Nehring, R.B.	1988	Colorado Division of Wildlife, Ft. Collins, Colorado, Federal Aid in Fish and Wildlife Restoration Job Progress Report F-51	Stream Fisheries, Flow, Trout, aquatic, fish
D00288	Stream Fisheries Investigations, Federal Aid Project F-51-R, Job 1. Fish Flow Investigations, Job 2. Wild Trout Introductions, Job 3. Technical and Professional Publications	Nehring, R.B.	1989	Colorado Division of Wildlife, Ft. Collins, Colorado, Federal Aid in Fish and Wildlife Restoration Job Progress Report F-51-R	Stream Fisheries, flow, trout, fish
D00575	Stream Fisheries Investigations, Federal Aid Project F-51-R, Job 1. Fish Flow Investigations, Job 3. Special Regulations Evaluations, Job 4. Wild Trout Introductions, Job 6. Colorado River Aquatic Invertebrate Investigations	Nehring, R.B.	1986	Colorado Division of Wildlife, Ft. Collins, Colorado, Federal Aid in Fish and Wildlife Restoration Job Progress Report F-51-R	Stream Fisheries, Flow, Trout, Aquatic Invertebrate, fish
D00633	Evaluation of 16 Years of Trout Population Biometrics in the Upper Arkansas River	Nehring, R.B. and G. Policky	2002	Colorado Division of Wildlife	Upper Arkansas River, trout, aquatic, heavy metals, fish
D00189	Stream Fisheries Investigations, Job Progress Report, Project F-51-R-6	Nehring, R.B. and R. Anderson	1981	Colorado Division of Wildlife, Fish Research Section, Ft. Collins, Colorado	Fish, Colorado, aquatic, Arkansas River
D00568	Letter from NRCS to USFWS re: forage samples in Lake County	Nelson, J.	2001	NRCS Letter to USFWS, February 13, 2001	forage, upper arkansas, lake county, terrestrial, metals
D00194	Aquatic Macrophytes of Shadow Mountain Reservoir, Grand Lake, and Lake Granby, Colorado, Technical Report	Nelson, P.C.	1982	Colorado State University, Fort Collins, Colorado, Department of Fishery and Wildlife Biology, Master's Thesis	Wetland/Riparian, Vegetation, Macrophytes, Shadow Mountain Reservoir, Grand Lake, Lake Granby, Colorado, aquatic
D00558	Comparison of Two Sampling Methods for Measuring the Impact of Metals on Benthic Communities in a Regulated River	Nelson, S.M.	2000	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum No. 8220-00-3	invertebrates, benthic, hyporheic, community structure, upper arkansas, metals, lake fork, aquatic
D00384	Leaf Pack Breakdown and Macroinvertebrate Colonization: Bioassessment Tools for a High Altitude Regulated System?	Nelson, S.M.	1999	Environmental Pollution	aquatic, invertebrates, metals, arkansas river, lake fork, bioassessment
D00390	Monitoring of Heavy Metal Concentrations in the Arkansas River Using Transplanted Aquatic Bryophytes	Nelson, S.M.	1996	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum 8220-96-18	aquatic, bryophytes, metals, water, arkansas river, biomonitoring

Doc No.	Title	Author	Date	Reference	Key Words
D00237	Observed Field Tolerance of Caddisfly Larvae (<i>Hesperophylax</i> sp.) to High Metal Concentrations and Low pH	Nelson, S.M.	1994	Journal of Freshwater Ecology 9(2):169-170	caddisfly, metals, pH, mine tailings
D00551	Progress Report for Upper Arkansas River Water Quality and Macroinvertebrate Studies, Applied Science Referral Memorandum No. 92-2-1	Nelson, S.M.	1991	Progress Report, US BOR, Applied Science Referral Memo No. 92-2-1	upper arkansas, box creek, water quality, metals, lake fork, half moon, tributaries
D00195	An Assessment of Riparian Environmental Quality by using Butterflies and Disturbance Susceptibility Scores	Nelson, S.M. and D.C. Andersen	1994	The Southwestern Naturalist 39(2) 137-142	Wetland/Riparian, Invertebrates, Butterflies, Bio-Monitoring, Colorado River, Arizona, aquatic
D00392	Aquatic Macroinvertebrate Communities and Probable Impacts of Various Discharges, Upper Arkansas River	Nelson, S.M. and R.A. Roline	1995	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum 8220-95-4	aquatic, invertebrates, arkansas river, flow, water, hydrology
D00386	Assessment of Leadville Mine Drainage Tunnel Impacts on the Upper Arkansas River using Hyporheic Pot Samples	Nelson, S.M. and R.A. Roline	1997	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum No. 8220-97-10	aquatic, invertebrates, metals, Leadville mine drainage tunnel, arkansas river, water, east fork,
D00391	Distribution of Aquatic Macroinvertebrates in Relation to Stream Flow Characteristics in the Arkansas River	Nelson, S.M. and R.A. Roline	1996	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum 8220-96-19	aquatic, invertebrates, flow, water, arkansas river, hydrology
D00563	Effects of Multiple Stressors on Hyporheic Invertebrates in a Lotic System--DRAFT	Nelson, S.M. and R.A. Roline	2000	Ecological Research and Investigations Group, Technical Services Center, Bureau of Reclamation, Denver, CO 80225	upper arkansas, lake fork, invertebrates, metals, regulated river, hyporheic, aquatic
D00383	Relationships Between Metals and Hyporheic Invertebrate Community Structure in a River Recovering from Metals Contamination	Nelson, S.M. and R.A. Roline	1999	Hydrobiologia 397:211-226 (1999)	aquatic, invertebrates, metals, arkansas river, water, east fork
D00385	Relationships between Metals and Hyporheic Invertebrate Community Structure in a River Recovering from Metals Contamination	Nelson, S.M. and R.A. Roline	1998	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum No. 8220-98-7	aquatic, invertebrates, metals, arkansas river, water, east fork
D00191	Results of Macroinvertebrate Surveys in the Upper Arkansas River Related to the Leadville Mine Drainage Tunnel Discharge - 1994	Nelson, S.M. and R.A. Roline	1994	U. S. Bureau of Reclamation, Denver Office	Invertebrates, Aquatic, Metals, Upper Arkansas River, Leadville Mine Drainage Tunnel
D00192	Selection of an Indicator Organism for Biological Monitoring of Metal Pollution on the Upper Arkansas River	Nelson, S.M. and R.A. Roline	1993	U. S. Bureau of Reclamation, Denver Office, Applied Sciences Referral Memorandum No. 93-2-5	Invertebrates, Aquatic, Metals, Upper Arkansas River, Bio-Monitoring, Leadville Mine Drainage Tunnel

Doc No.	Title	Author	Date	Reference	Key Words
D00190	Selection of the Mayfly <i>Rithrogena hageni</i> as an Indicator of Metal Pollution in the Upper Arkansas River	Nelson, S.M. and R.A. Roline	1993	Journal of Freshwater Ecology 8(2):111-119	Invertebrates, Aquatic, Metals, Upper Arkansas River, Colorado, Leadville Mine Drainage Tunnel
D00389	Results of Macroinvertebrate Sampling on Lake Fork and Some Recommendations for Monitoring Dinero Tunnel Impacts on Lake Fork	Nelson, S.M. Nelson and R.A. Roline	1996	U. S. Bureau of Reclamation, Technical Service Center, Denver, CO. Technical Memorandum No. 8220-96-17	aquatic, Lake Fork, metals, Dinero Tunnel, arkansas river, invertebrates, water
D00238	Leaf Litter Breakdown in a Mountain Stream Impacted by a Hypolimnetic Release Reservoir	Nelson, S.M., and R.A. Roline	2000	Journal of Freshwater Ecology 15(4):479-490	aquatic, invertebrates, leaves, Lake Fork, Arkansas River
D00193	Use of Hyporheic Samplers in Assessing Mine Drainage Impacts	Nelson, S.M., R.A. Roline, A.M. Montana	1993	Journal of Freshwater Ecology 8(2):103-110	Invertebrates, Aquatic, Metals, Sediments, Upper Arkansas River, Colorado, Leadville Mine Drainage Tunnel
D00396	Assessment of Effects of Altered Stream Flow Characteristics on Fish and Wildlife Part A: Rocky Mountains and Pacific Northwest FINAL REPORT	Nelson, W., G. Horak, M. Lewis, J. Colt	1976	US FWS Biological Services Program FWS/OBS-76/29	stream flow, aquatic, fish
D00196	Metals Mining and Milling Process Profiles with Environmental Aspects	Nerkervis, R. J. and J. B. Hallowell	1976	U. S. Environmental Protection Agency, Office of Research and Development Industrial Environmental Research Laboratory Research Triangle Park, N.C.	Heavy Metals, mining
D00197	The Fish Populations and Fishery of the Upper Arkansas River 1977-1980, Final Report, Fryingpan-Arkansas Fish Research Investigations	Nesler, T.P.	1982	U. S. Bureau of Reclamation, Contract No. 7-07-83-V0701	USBR, fish, Upper Arkansas River, aquatic, metals
D00100	Effects of Suspended Sediments on Aquatic Ecosystems	Newcombe, C.P., D.D. MacDonald	1991	North American Journal of Fisheries Management 11:72-82	sediments, aquatic,
D00198	Metals in Riparian Wildlife of the Lead Mining District of Southeastern Missouri	Niethammer, R.D. Atkinson, T.S. Baskett, and F.B. Samson	1985	Archives of Environmental Contaminants and Toxicology 14:213-223	Wetland/Riparian, Lead, Cadmium, Zinc, Wading Birds, Amphibians, Reptiles, Missouri, metals, terrestrial
D00533	Influences of water and substrate quality for periphyton in a montane stream affected by acid mine drainage	Niyogi, D., D.M. McKnight, and W.M. Lewis Jr.	1999	Limnol. Oceanogr. 44(3 part 2):804-809	st. Kevin's gulch, upper arkansas, acid mine drainage, periphyton, water quality, metals, mining,
D00534	Effects of Stress from Mine Drainage on Ecosystem Functions in Rocky Mountain Streams	Niyogi, D.K.	1999	Ph. D. Dissertation, University of Colorado, Boulder, CO	upper arkansas, metals, water, st. Kevin's gulch, acid mine drainage, water quality, mining, ecosystem functions

Doc No.	Title	Author	Date	Reference	Key Words
D00561	Experimental Diversion of Acid Mine Drainage and the Effects on a Headwater Stream	Niyogi, D.K., D.M. McKnight, W.M. Lewis, and B.A. Kimball	1999	in Morganwalp, D.W. and Buxton, H.T., eds., US Geologic Survey Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Charleston, SC, March 8-12, 1999--Volume 1 of 3--USGS Water-Resources Investigations Report 99-4018A, p. 123-130	st. kevin gulch, metals, water, upper arkansas, tracers, algae, pH, acid mine, aquatic
D00188	California Gulch Project: yak Tunnel Connections and Geology	Noble, Alan C.	1985	California Gulch Case File Box 4 of 136	Yak Tunnel, geology. Iron hill
D00381	Identifying and Setting Priority for Riparian Wetland Restoration Sites: Upper Arkansas River Basin, CO	O'Neill, M.P.	1997	Final Report submitted to EPA Wetlands Research Branch	riparian, water, flow, arkansas river, wetlands, aquatic
D00380	Description of Physical (Hydrologic/Geomorphic) Characteristics: Upper Arkansas River Basin, CO	O'Neill, M.P., J.C. Schmidt, C.P. Hawkins, J.P. Dobrowolski, and C.M.U. Neale	1997	Interim Report submitted to EPA Wetlands Research Branch	hydrology, flow, water, arkansas river, geomorphology, aquatic
D00131	Identifying Sites for Riparian Wetland Restoration: Application of a Model to the Upper Arkansas River Basin	O'Neill, M.P., J.C. Schmidt, J.P. Dobrowolski, C.P. Hawkins, C.M.U. Neale	1997	Restoration Ecology 5(4S):85-102	Upper Arkansas River, riparian, wetland, restoration
D00410	Water-Quality Assessment of the Arkansas River Basin, Southeastern Colorado, 1990-93	Ortiz, R.F., M.E. Lewis, and M.J. Radell	1998	U.S. Geological Survey, Water-Resources Investigations Report 97-4111	water quality, arkansas river, metals, trace elements, sediment
D00621	Epidemiology of Lead Poisoning in Animals	Osweiler, G.D., G.A. Van Gelder, and W.B. Buck	1978	In Toxicity of Heavy metals in the Environment. Oehme, F.W. (ed.) pp. 143-171	Lead, mammals, metals, terrestrial
D00008	Haematological Parameters as Predictors of Blood Lead and Indicators of Lead Poisoning in the Black Duck (Anas rubripes)	Pain, D.J.	1989	Environmental Pollution 60:67-81	lead poisoning, metals, blood, birds
D00199	Molybdenum	Parker, G.A.	1986	In: The Handbook of Environmental Chemistry, Vol 3 Part D, Anthropogenic Compounds, ed. D. Hutzinger, Published by Springer -Verlag	Metals, Molybdenum
D00546	Various Water Rights in the Leadville Area Memo	Parkville Water District	1986	Asarco Memo	water rights, upper arkansas, parkville water district, ditches
D00562	Zinc Toxicity Thresholds for Important Reclamation Grass Species of the Western United States	Paschke, M.W., E.F. Redente, and D.B. Levy	2000	Environmental Toxicology and Chemistry, 19(11):2751-2756	reclamation, grasses, terrestrial, metals, zinc, phytotoxicity, risk assessment, restoration, vegetation

Doc No.	Title	Author	Date	Reference	Key Words
D00559	Effects of Acidic Recharge on Ground Water at the St. Kevin Gulch Site, Leadville, Colorado	Paschke, S.S., W.J. Harrison, and K. Walton-Day	2001	Journal of Geochemistry, Exploration, Environment, Analysis (in press)	upper arkansas, groundwater, st. kevin gulch, metals, water, aquatic, acid mine drainage,
D00560	Planning and Implementation of a Comprehensive Ecological Risk Assessment at the Milltown Reservoir-Clark Fork River Superfund Site, Montana	Pascoe, G.A. and J.A. DalSoglio	1994	Environmental Toxicology and Chemistry, 13(12):1943-1956	clark fork river, sediments, risk assessment, metals, water, wetlands
D00607	Bioavailability of metals and arsenic to small mammals at a mining waste-contaminated wetland	Pascoe, G.A., R.J. Blanchet and G. Linder	1994	Archives of Environmental Contamination and Toxicology 27:44-50	metals, mammals, wetland, mines, arsenic, terrestrial
D00615	Food Chain Analysis of Exposures and Risks to Wildlife at a Metals-Contaminated Wetland	Pascoe, G.A., R.J. Blanchet, G. Linder	1996	Archives of Environmental Contamination and Toxicology 30:306-318	metals, wetland, mammals, wildlife, terrestrial
D00398	Characterization of Ecological Risks at the Milltown Reservoir-Clark Fork River Sediments Superfund Site, Montana	Pascoe, G.A., R.J. Blanchet, G. Linder, D. Palawski, W.G. Brumbaugh, T.J. Canfield, N.E. Kemble, C.G. Intersoll, A. Farag, and J.A. DalSoglio	1994	Environmental Toxicology and Chemistry 13 (12): 2043-2058	aquatic, fish, clark fork river, metals uptake, ecological risk, sediments
D00526	Grazing History and Overstory Canopy Affect Understory Diversity in a Montane Riparian Ecosystem (Thesis Abstract Only)	Peck, L.E.	1999	Unpublished Thesis, Colorado State University, Ft. Collins, CO	grazing, riparian, habitat, colorado
D00506	Mechanisms of Groundwater Contamination at a Fluvial Tailings Site, Leadville, Colorado	Peebles, T.H.	2000	Unpublished Thesis, Colorado School of Mines, Golden, CO	arkansas river, groundwater, fluvial, 11-mile reach, tailings, water, metals, biosolids
D00425	Fisheries Inventories: Upper Arkansas Basin, 1996	Policky, G	1996	Colorado Division of Wildlife	fish, arkansas river, fish populations, aquatic
D00426	Fisheries Inventories: Upper Arkansas Basin, 1997	Policky, G	1997	Colorado Division of Wildlife	fish, arkansas river, fish populations, aquatic
D00254	Brown Trout Survey Results for Arkansas River - 1993, 1994, 1995	Policky, G.	1995	Colorado Division of Wildlife	trout, fish, arkansas river, populations, aquatic
D00395	Fisheries Inventories Data: Upper Arkansas Basin, 1999	Policky, G.	1999	Colorado Division of Wildlife	fish, arkansas river, populations, aquatic
D00378	Fisheries Inventories, Upper Arkansas River Basin	Policky, G.	1998	State of Colorado, Department of Natural Resources, CDOW, Salida, CO	fish, arkansas river, aquatic
D00424	Fisheries Inventories: Upper Arkansas and South Platte Basins, 1994	Policky, G.	1994	Colorado Division of Wildlife	fish, arkansas river, fish populations, aquatic

Doc No.	Title	Author	Date	Reference	Key Words
D00126	Summitville Mine/Alamosa River: Livestock Exposure Investigation	Ramsdell, H., S. Zylstra	1999	Department of Environmental Health and Center for Environmental Toxicology and Technology Colorado State University	Summitville, Alamosa, copper, metals, sheep, mammals, vegetation, soil
D00202	Colloidal Properties of Flocculated Bed Material in a Stream Contaminated by Acid Mine Drainage, St. Kevin Gulch, Colorado	Ranville, J.F., K.S. Smith, D.L. Macalady and T.F. Rees	1988	U. S. Geological Survey, Water Resources Investigations Report 88-4220	Metals, Transport, Acid Mine Drainage, St. Kevin Gulch, Colorado, aquatic
D00608	The effect of heavy metals on populations of small mammals from woodlands in Avon (England) with particular emphasis on metal concentrations in <i>Sorex araneus</i> L. and <i>Sorex minutus</i> L.	Read, H.J. and M.H. Martin	1993	Chemosphere 27:2197-2211	metals, mammals, woodlands, terrestrial
D00442	Direct Revegetation of Mine Tailing: A Case Study in Colorado	Redente, E.F. and D.A. Baker	1996	In: Proceedings of Planning, Rehabilitation and Treatment of Disturbed Lands, 7th Billings Symposium, Reclamation Research Unit Publication No. 9603, pp183-191	tailings, idarado, revegetation, metals, reclamation, terrestrial, soils, soil amendments, plants
D00338	Status of Instream Flow Legislation and Practices in North America	Reiser, D.W., T.A. Weshe, and C. Estes	1989	Fisheries 14:22-29	Legislation, Flow, Instream, aquatic
D00326	Work Area Management Plan for the California Gulch Superfund Site, Implementation by Resurrection Mining Company, Appendix D	Resurrection Mining Company		Resurrection Mining Company	California Gulch, Resurrection Mining Company, Asarco, EPA, RI, Leadville, Arkansas River, Yak Tunnel, Contaminants, Metals
D00203	Final Work Plan, Metal Speciation and Source Characterization California Gulch	Resurrection Mining Company/Camp Dresser & McKee	1992	Resurrection Mining Company	Heavy Metals, California Gulch
D00204	The Transport of Heavy Metals Within a Small Urban Catchment	Revitt, D. M., R. S. Hamilton, and R. S. Warren	1990	The Science of the Total Environment 93 (1990) 359-373	Metals, Transport
D00205	Dispersal of Heavy Metals from Abandoned Mine Workings and Their Transference Through Terrestrial Food Chains	Roberts, R. D. and M. S. Johnson	1978	Environmental Pollutants 16: 293-310	Metals, Transport, Mining, Terrestrial Foodchain
D00209	Effects of Diversions on Water Quality and Macroinvertebrate Populations in the Upper Arkansas River	Roline, R.A.	1983	U. S. Bureau of Reclamation, Environmental Sciences Section, Applied Sciences Referral No. 83-2-18	Invertebrates, Aquatic, Metals, Flow Modifications, Upper Arkansas River, Colorado
D00208	The Effects of Heavy Metals Pollution of the Upper Arkansas River on the Distribution of Aquatic Macroinvertebrates	Roline, R.A.	1988	Hydrobiologia 160:3-8	Invertebrates, Aquatic, Metals, Upper Arkansas River, Colorado

Doc No.	Title	Author	Date	Reference	Key Words
D00210	Heavy Metals Pollution of the Upper Arkansas River, Colorado, and Its Effects on the Distribution of Aquatic Macrofauna	Roline, R.A. and J.R. Boehmke	1981	U. S. Bureau of Reclamation, Engineering Research Center, Denver, Colorado, REC-ERC-81-15	Aquatic Biota, Upper Arkansas River, Colorado, Heavy Metals, Water Quality, Contaminants
D00212	Metal Retention by the Sugarloaf Gulch Wetland, Lake County, Colorado - Abstract of Thesis	Rowe, C.	1994	Colorado State University, Department of Earth Resources, Fall, 1994	Wetland/Riparian, Metals, Lake Fork, Sugar Loaf, Upper Arkansas River, Colorado, aquatic
D00627	Ecological Risk Assessment for the Terrestrial Ecosystem; California Gulch NPL Site, Leadville, Colorado	Roy F. Weston, Inc. & Terra Technologies	1997	US EPA Region 8, EPA Work Assignment No. 04601-032; Document Control No. 4800-32-0118	California Gulch, NPL site, risk assessment, Leadville, soils
D00401	Relative Importance of Water and Food as Cadmium Sources to the Predatory Insect <i>Sialis velata</i> (Megaloptera)	Roy, I. And L. Hare	1999	Canadian Journal of Fisheries and Aquatic Sciences 56: 1143-1149	aquatic, invertebrates, cadmium, metals uptake, metals
D00213	Contaminants, Fish, and Hydrology of the Missouri River and Western Tributaries. In: Proceedings of the Symposium on Restoration Planning for the Rivers of the Mississippi River Ecosystem	Ruelle, R., R. Koth and C. Stone	1993	U. S. National Biological Survey, Biological Report 19, October 1993	Fish, aquatic, Missouri River, metals, contaminants
D00583	Metals in Water: Determining Natural Background Concentrations in Mineralized Areas	Runnells, D.D., T.A. Sheperd, E.E. Angino	1992	Environmental Science & Technology 26(12):2316-2323	metals, concentrations, mining, aquatic
D00440	Plecoptera and Trichoptera Species Distribution Related to Environmental Characteristics of the Metal-Polluted Arkansas River, Colorado	Ruse, L.P. and S.J. Herrmann	2000	Western North American Naturalist 60(1):57-65	arkansas river, invertebrates, aquatic, diptera, trichoptera, metals, sediments
D00439	Chironomidae (Dipter) Species Distribution Related to Environmental Characteristics of the Metal-Polluted Arkansas River, Colorado	Ruse, L.P., S.J. Herrmann, and J.E. Sublette	2000	Western North American Naturalist 60(1):34-56	arkansas river, invertebrates, aquatic, chironomidae, metals, sediments
D00373	The Canada Geese of Southeastern Colorado	Rutherford, W.H.	1970	Colorado Game, Fish and Parks Division, Department of Natural Resources, Migratory Bird Investigations, Project W-88-R, Federal Aid in Wildlife Restoration	Canada Geese, Southeastern Colorado, Hunting, Waterfowl, Arkansas River Valley, Migratory Birds, terrestrial
D00214	Active-, Inactive-, and Abandoned-Mine Information and Selected Geochemical Data for the State of Colorado	Ryder, J.	1994	U. S. Geological Survey, Open-file Report 94-579, Diskette Version, Denver, Colorado	Geochemistry, mining

Doc No.	Title	Author	Date	Reference	Key Words
D00520	Lincoln Park Superfund Site	S. M. Stoller Corporation, Boulder, CO, and Schager & Associates, Inc., Golden, CO	1998	Ecological Risk Assessment for Cotter Corporation, Lakewood, CO	Lincoln Park, Cotter Mill, arkansas river, Canon City, tailings, uranium, radon, molybdenum, radioactivity, water, ground-water, soils, biota, vegetation, birds, mammals
D00434	Lincoln Park Superfund Site, Ecological Risk Assessment, Draft	S.M. Stoller Corp. and Schafer & Assoc. for Cotter Corp.	1998	Ecological Risk Assessment	lincoln park, ecological risk assessment, arkansas river, downstream, uranium, water quality, terrestrial, aquatic, sediment, soil, birds, mammals, metals, radionuclides
D00584	Screening-Level Ecological Risk Assessment Operable Unit No. 4, California Gulch Superfund Site	S.M. Stoller Corporation for Resurrection Mining Company	1996	Ecological Risk Assessment, for Resurrection Mining Company	California Gulch, risk Assessment, Resurrection, Leadville, metals, tailings, soils, phytotoxicity
D00216	Twin Lakes Colorado (Preliminary Report)(Introduction Only)	Sartoris, J.J. and J.W. Yahnke	1987	U. S. Bureau of Reclamation, Denver Federal Center, Denver, Colorado	USBR, aquatic, Twin Lakes
D00215	Historical, Physical, and Chemical Limnology of Twin Lakes, Colorado (Partial Article)	Sartoris, J.J., J.F. LaBounty and H. D. Newkirk	1977	U. S. Bureau of Reclamation, Engineering and Research Center, Denver, Colorado, REC-ERC-77-13, September 1977	Water Management, Twin Lakes, Colorado, Metals, Sediments, aquatic
D00631	Derivation of Soil Quality Criteria Using Predicted Chemical Speciation of Pb and Cu	Sauve, S., A. Dumestre, M. McBride, and W. Hendershot	1998	Environmental Toxicology and Chemistry 17(8):1481-1489	lead, copper, soil quality, toxicology, free metal activity, speciation, metals
D00632	Chemical Speciation, Solubility and Bioavailability of Lead, Copper, and Cadmium in contaminated Soils	Sauve, S.F.	1999	Dissertation presented to the faculty of the Graduate School of Cornell University in Partial Fulfillment of the Requirements for the Degree of Doctor of Philosophy	lead, copper, cadmium, soils, speciation, bioavailability, metals
D00217	Acute Oral Toxicity and Repellency of 933 Chemicals to House and Deer Mice	Schafer, E. W., Jr., and W. A. Bowles, Jr.	1985	Archives of Environmental Contamination and Toxicology 14:111-129	Mammals, Oral Toxicity, House Mice, Deer Mice, Metals
D00027	Erythrocyte a-aminolevulinic acid dehydratase in birds. I. The Effects of Lead and Other Metals in Vitro	Scheuhammer, A.M.	1987	Toxicology 45:155-163	metals, birds, pH, blood
D00218	Biomonitoring of Lead-Contaminated Missouri Streams with an Assay for Erythrocyte ?-Aninolevulinic Acid Dehydratase Activity in Fish Blood	Schmitt, C. J., M. L. Wildhaber, J. B. Hunn, T. Nash, M. N. Tieger and B. L. Steadman	1993	Archives of Environmental Contamination and Toxicology 25:464-475	Fish, Metals, Lead, Bio-Monitoring, aquatic

Doc No.	Title	Author	Date	Reference	Key Words
D00220	Germanium, Tin and Arsenic in Rats: Effects on Growth, Survival, pathological Lesions, and Life Span	Schroeder, H., M. Kanisawa, D. Frost and M. Mitchener	1968	Journal of Nutrition 96:37-45	Mammals, arsenic, tin, germanium
D00221	pH-Dependent Toxicity of Cd, Cu, Ni, Ph, and Zn to Ceriodaphnia dubia, Pimephales promelas, Hyalella Azteca and Lumbriculus variegatus)	Schubauer-Berigan, Mary K., Joseph R. Dierkes, Philip D. Monson, Gerald T. Ankley	1993	Environmental Toxicology, and Chemistry 12:1261-1268	Invertebrates, Aquatic, Metals, pH, Toxicity
D00573	Status Report on Eutrema Penlandii Rollins as a result of Field Investigations in Park, Summit, Gunnison, Chafee, and Clear Creek Counties, Colorado in July and August 1991	Schwendinger, R.B., G.K. Carlson, and C.O. Spielman, Jr.	1991	Report to USFWS, Colorado Field Office	eutrema, penland alpine fen mustard, plants, mosquito range, endangered species, upper arkansas, terrestrial
D00482	Responses of Folsomia Fimetaria (Collembola: Isotomidae) to Copper Under Different Soil Copper Contamination Histories in Relation to Risk Assessment	Scott-Fordsmand, J.J., P.H. Krogh, and J.M. Weeks	2000	Environmental Toxicology and Chemistry 19 (5): 1297-1303	terrestrial, copper, soil, invertebrates, metals
D00222	Element Concentrations in Soils and Other Surficial Materials of the Conterminous United States	Shacklette, H.T. and J.G. Boerngen	1984	U. S. Geological Survey, Profession Paper 1270	Soils, Metals, terrestrial
D00223	Trace Metals in Ecosystems: Relationships of the Residues of Copper, Molybdenum, Selenium, and Zinc in Animal Tissues to Those in Vegetation and Soil in the Surrounding Environment	Sharma, R. P. and J. L. Shupe	1970	Utah State University, Logan, Utah, Utah State University Agricultural Experiment Station Journal Paper No. 2037	Mammals, metals, copper, selenium, zinc, soil, vegetation, terrestrial, animals
D00224	Final Work Plan for the Engineering Evaluation/Cost Analysis for Stream Sediments within Oregon Gulch Operable Unit 10 (Partial)	Shepherd Miller, Inc./TerraMatrix	1994	Resurrection Mining Company, Denver, Colorado	Sediments, work plan, Oregon Gulch
D00225	Ingested Soil: Bioavailability of Sorbed Lead, Cadmium, Cesium, Iodine, and Mercury	Sheppard, S. C., W. G. Evenden and W. J. Schwartz	1995	Journal of Environmental Quality 24:498-505 (1995)	Soils, Soil-Ingestion, Bioavailability, Metals, Contaminants, Lead, Cadmium, Cesium, Iodine, Mercury, terrestrial
D00609	Predicting cadmium, lead and fluoride levels in small mammals from soil residues and by species-species extrapolation	Shore, R.F.	1995	Environmental Pollution 88:333-340	metals, mammals, soil, terrestrial, cadmium, lead
D00226	Effects of Acid-Mine Drainage on the Chemical and Biological Character of an Alkaline Headwater Stream	Short, T.M., J.A. Black and W.J. Birge	1990	Archives of Environmental Contamination and Toxicology 19:241-248	Aquatic Biota, Metals, Effects, acid mine, sediments
D00505	Agronomic Investigations for the Upper Arkansas River Restoration Project -- Part 2 (year 2000)	Siemer, E.G.	2000	Unpublished report	arkansas river, vegetation, soils, 11-mile reach, grazing

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D00486	Agronomic Investigations for the Upper Arkansas River Restoration Project in 1999	Siemer, E.G.	1999	unpublished report	arkansas river, lake county, soils, plants, grazing, private lands, forage, vegetation
D00227	Hydroxyl Radical Formation in St. Kevin Gulch, and Iron-Rich Stream in Colorado. In: U. S. Geological Survey, Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Phoenix, Arizona, September 26-30, 1988	Sigleo, A. C., K. M. Cunningham, M. C. Goldberg and B.A. Kimball	1988	U. S. Geological Survey, Water Resources Investigations Report 88-4220	Metals, Transport, Acid Mine Drainage, St. Kevin Gulch, Colorado, Upper Arkansas River
D00228	Restoration of a Placer Mined Trout Stream	Skidmore, P.B.	1995	Land and Water July/August, 1995	Restoration, Mining, Trout, Montana, Cutthroat, aquatic, fish
D00206	Transcript from Bernie Smith Interview regarding Hayden & Hallenbeck ranches	Smith, B., M.R. Nivens	2000	Lake County Government Transcripts	Leadville, Hallenbeck Ranch, Hayden Ranch
D00229	Water/Sediment Partitioning of Trace Elements in a Stream Receiving Acid-Mine Drainage	Smith, K.S. and D.L. Macalady	1992	Water-Rock Interaction, Proceedings of the 7th International Symposium on Water-Rock Interaction - WR-7/Park City/Utah/USA 13-18 July 1992	Metals, Transport, Sediments, Acid Mine Drainage, Upper Arkansas River Basin, Colorado, St. Kevin Gulch
D00230	Partitioning of Metals Between Water And Flocculated Bed Material in a Stream Contaminated by Acid Mine Drainage near Leadville, Colorado	Smith, K.S., D.L. Macalady and P.H. Briggs	1988	U. S. Geological Survey, Water Resources Investigations Report 88-4220	Metals, Transport, Sediments, Acid Mine Drainage, Leadville, Colorado, St. Kevin Gulch
D00231	Predictive Modeling of Copper, Cadmium, and Zinc Partitioning Between Streamwater and Bed Sediment from a Stream Receiving Acid Mine Drainage, St. Kevin Gulch, Colorado	Smith, K.S., J.F. Ranville and D.L. Macalady	1991	U.S.G.S. Toxic Substances Hydrology Program--Proceedings of the technical meeting, Monterey California, March 11-15, 1991. Water Investigations Report 91-4034	Sediments, metals, acid mine, St. Kevin's Gulch
D00512	Considerations of Observational Scale when Evaluating the Effect of, and Remediation Strategies for, a Fluvial Tailings Deposit in the Upper Arkansas River Basin, Colorado	Smith, K.S., K. Walton-Day, and J.F. Ranville	1999	In: Morganwalp, D.W. and Buxton, H.T. eds., U.S. Geological Survey Toxic Substances Hydrology Program--Proceedings of the Technical Meeting, Charleston, SC, 8-12 March 1999, Vol. I.	arkansas river, fluvial, tailings, 11-mile reach, metals, soils, water quality, water, ground water, remediation
D00511	Evaluating the Effects of Fluvial Tailings Deposits on Water Quality in the Upper Arkansas River Basin, Colorado: Observational Scale Considerations	Smith, K.S., K. Walton-Day, and J.F. Ranville	2000	In: Proceedings from the 5th International Conference on Acid Rock Drainage, Volume II. Published by the Society for Mining, Metallurgy, and Exploration, Inc., Littleton, CO.	arkansas river, fluvial, tailings, 11-mile reach, metals, soils, water quality, water, ground water, remediation

Doc No.	Title	Author	Date	Reference	Key Words
D00475	Metal Leaching through a Fluvial Tailings Deposit along the Upper Arkansas River, Colorado	Smith, K.S., P.J. Lamothe, A.L. Meier, K. Walton-Day, and J.F. Ranville	1999	In Proceedings of the 6th International Conference on Tailings and Mine Waste '99, Fort Collins, Colorado, 24-27 January 1999: 627-632. Rotterdam: Balkema	arkansas river, fluvial, tailings, metals, water quality, ground water
D00510	Trends in water-leachable lead from a fluvial tailings deposit along the upper Arkansas River, Colorado	Smith, K.S., S.J. Sutley, P.H. Briggs, A.L. Meier, K. Walton-Day	1998	In: Proceedings of the 5th International Conference on Tailings and Mine Waste '98, Fort Collins, Colorado, 26-29 January 1998: 627-632. Rotterdam: Balkema	arkansas river, fluvial, tailings, metals, soils, 11-mile reach, water-leachable
D00320	Metal and Arsenic Partitioning Between Water and Suspended Sediment at Mine-Drainage Site in Diverse Geologic Settings	Smith, K.S., W.H. Ficklin, G.S. Plumlee and A.L. Meier	1992	Water-Rock Interaction, Proceedings of the 7th International Symposium on Water-Rock Interaction - WR-7/Park City/Utah/USA 13-18 July 1992	Metals, Transport, Sediments, Copper, Arsenic, Zinc, Cadmium, Nickel, mining, drainage
D00556	Arkansas River Water Needs Assessment	Smith, R.E. and L.M. Hill (eds.)	2000	Bureau of Land Management, Bureau of Reclamation, Forest Service, and Colorado Department of Natural Resources	arkansas river, water, recreation, natural resources, water needs, hydrology, aquatic
D00232	Geochemical Maps of Copper, Lead, and Zinc, Upper Arkansas River Drainage Basin, Colorado	Smith, S.M.	1994	U. S. Geological Survey, Open-File Report 94-408	Metals, Contaminants, Upper Arkansas River Basin, Copper, Zinc, Lead, Geochemistry
D00233	Behavior of Trace Metals in Mountain Meadow Soils. In: Proceedings of the 3rd Intermountain Meadow Symposium, July 1-3, 1991, Steamboat Springs, Colorado	Sommers, L.E., K.A. Barbarick and D.B. Levy	1991	Colorado State University, Fort Collins, Colorado	Soils, Metals, Contaminants, Upper Arkansas River, Leadville, Colorado
D00234	Toxicity and bioaccumulation of Cadmium and Lead in Aquatic Invertebrates	Spehar, R., R.L. Anderson, J.T. Fiandt	1978	Environmental Pollution 15:195	Invertebrates, cadmium, lead, aquatic
D00544	Agenda: Mining, Forest & Land Restoration Symposium/Workshop	Sponsors: Rocky Mtn. Water Environment Association Biosolids Committee, EPA, USCOE	2000	Agenda with Abstracts from presentations	biosolids, restoration, remediation, mining,
D00235	Main and Interactive Effects of Arsenic and Selenium on Mallard Reproduction and Duckling Growth and Survival	Stanley, T. R., J. W. Spann, G. J. Smith and R. Roscoe	1994	Archives of Environmental Contaminants and Toxicology 26:444-431	Birds, Waterfowl, Metals, Arsenic, Selenium, Reproduction, terrestrial
D00619	The Uptake and Effects of Lead in Small Mammals and Frogs at a Trap and Skeet Range	Stansley, W., D.E. Roscoe	1996	Archives of Environmental Contamination and Toxicology 30:220-226	Lead, mammals, terrestrial, forgs, metals
D00436	Sampling Activities Report, College of the Canons	START, U.S. Environmental Protection Agency	1996	U.S. Environmental Protection Agency	college of the canons, arkansas river, downstream, metals, smelter, soils

Doc No.	Title	Author	Date	Reference	Key Words
D00522	Cotter Corporation Uranium Mill Site	State of Colorado/Cotter	1986	Administrative Record, Remedial Action Plan, Appendix A	Lincoln Park, Cotter Mill, arkansas river, Canon City, tailings, uranium, radon, molybdenum, radiation, water, ground-water, soils, biota, vegetation, birds, mammals
D00324	Investigations on Impacts of High Runoff on Flushing Sediments from the Arkansas River and the Dissolution and Toxicity of Metals from Sediments on Aquatic Life	Stednick, J.D.	1994	Colorado State University, Department of Earth Resources, Ft. Collins, CO	Runoff, Sediments, Arkansas River, Toxicity, Metals, Aquatic Life, Water Column
D00377	Deposition of Cadmium in Tissues of Coturnix Quail Fed Honey Bees	Stoewsand, G.S., R.A. Morse, C.A. Bache, and D.J. Lisk	1987	Bulletin of Environmental Contamination and Toxicology 38:783-788	Cadmium, Coturnix Quail, Honey Bees, Metals, Contaminant, Insect, birds, terrestrial
D00239	Vertebrate Abundance and Wildlife Habitat Suitability Near the Palmerton Zinc Smelters, Pennsylvania	Storm, G., R. Yahner and E. Bellis	1993	Archives of Environmental Contaminants and Toxicology 25:428-437	Terrestrial Environment, vertebrates, metals, smelters
D00339	Recent Developments in Federal Wetlands Law: Part I	Strand, Margaret N.	1996	ELR News & Analysis, 6-96	Wetlands, Federal Law, Clean Water Act, Section 404
D00514	Flow Regime Limitations of Colorado Trout Populations: Perspectives for Watershed Management	Strange, E. M.	1998	Trout Unlimited, Boulder, CO	flows, river, colorado, watershed management, fish, trout, arkansas river, water, aquatic
D00240	Trace Element Accumulation In the Tissues of Fish From Lakes with Different pH Values	Stripp, R. A., M. Heit, D. C. Bogen, J. Bidanset and L. Trombetta	1990	Water, Air and Soil Pollution 54:75-87, 1990	Fish, Metals, pH, aquatic
D00502	The Utility of Metal Biomarkers in Assessing the Toxicity of Metals in the American Dipper (Cinclus mexicanus)	Strom, S.M.	2000	Unpublished Thesis, Colorado State University, Ft. Collins, CO	birds, arkansas river, metals, aquatic, invertebrates, water, alad, biomarkers, dipper
D00454	A Summary of Environmental Studies Done in the Upper Arkansas Basin as They Pertain to Streambank Erosion in the Area- DRAFT	Studzinski, M.	1995	University College.	arkansas river, metals, soils, water quality, erosion, lake county, flows,
D00242	Reconnaissance of Water Quality of Lake Henry and Lake Meredith Reservoir, Crowley County, Southeastern Colorado, April-October 1987	Sullivan, J.R. Jr.	1993	U. S. Geological Survey, Water-Resources Investigations Report 91-4102	Water Quality, Upper Arkansas River Basin, Colorado, aquatic
D00610	Accumulation of cadmium in and its effect on bank vole tissues after chronic exposure	Swiergosz, R., M. Zakrzewska, K. Sawicka-Kapusta, K. Bacia, and I. Janowska	1998	Ecotoxicology and Environmental Safety 41:130-136	mammals, cadmium, metals, toxicity, terrestrial
D00453	Metal Contamination of a High Altitude Mountain Valley Meadow due to Heavy Metal Mining of a World Class Ore Body	Swyers, J.A.	1990	Dept. of Environmental Technology, Colorado Mountain College, Leadville, Colorado.	arkansas river, soils, Seppi, metals, terrestrial

Doc No.	Title	Author	Date	Reference	Key Words
D00595	The Effects of Mining on Mammals of the Coeur d'Alene River Basin, Idaho	Szumski, M.J.	1999	U.S. Fish and Wildlife Service	Mining, mammals, Coeur d'Alene, Idaho, metals, terrestrial
D00628	Small Mammals as Monitors of Environmental Contaminants	Talmage, S.S. and B.T. Walton	1991	In Reviews of Environmental Contamination and Toxicology. Ware, G.W. (ed.) Vol. 119	mammals, metals, contaminants, cadmium, copper, lead, zinc,
D00371	Biological Resource Inventory - Pueblo County	Todd, D.	1985	Colorado Division of Wildlife, Ft. Collins, Colorado for Department of the Army, Corps of Engineers, Albuquerque District, Albuquerque, New Mexico	Biological Resources, Pueblo County, Colorado, Corps of Engineers, Flood Control, invertebrates, aquatics, terrestrial, wildlife
D00611	Appraisal of Ground Water in the Vicinity of the Leadville Drainage Tunnel, Lake County, Colorado	Turk, J.T., O.J. Taylor, USGS	1979	USGS Open-File Report 79-1538	Leadville Drainage Tunnel, Ground Water, California Gulch
D00248	Dinero Tunnel Site, Project Implementation Plan-DRAFT	U.S. Bureau of Reclamation	1994	U. S. Bureau of Reclamation, Eastern Colorado Area Office, Great Plains Region, August, 1994	Water Quality, Lake Fork, Sugarloaf, Dinero Tunnel, Upper Arkansas River, Metals, Contaminants, aquatic
D00480	Interpretive Report--Water Quality and Sediment Chemistry, Upper Arkansas River, Colorado: Bedload Sediment Sampling Arkansas River near Leadville Colorado	U.S. Bureau of Reclamation	1993	unpublished report	arkansas river, sediments, water quality, metals, aquatic, invertebrates
D00247	Review of Operations Fryingpan-Arkansas Project Colorado	U.S. Bureau of Reclamation	1990	U. S. Bureau of Reclamation, in cooperation with Southeastern Colorado Water Conservancy District	Water Management, Twin Lakes, Colorado, Metals, Sediments
D00249	Heavy Metal Effects on Plant Growth as Related to Animal Nutrition	U.S. Bureau of Reclamation/E & A Environmental Consultants, Inc.	1982	U. S. Bureau of Reclamation	Vegetation, Metals, Mammals, Human Health, Contaminants, terrestrial
D00250	Special Report: Study of Effects on Plugging the Leadville Drainage Tunnel	U.S. Department of Interior	1979	U.S. BOR, Geological Survey, Bureau of Mines	Leadville Drainage Tunnel, Arkansas River, Mines,
D00262	Ambient Water Quality Criteria for Cadmium (Cover and Criteria)	U.S. Environmental Protection Agency	1980	U. S. Environmental Protection Agency, Off. Water. Reg. and Standards, Criteria and Standards Division, Washington, D. C., EPA 440\5-80-025	Water Quality, cadmium, metals
D00264	Ambient Water Quality Criteria for Lead	U.S. Environmental Protection Agency	1980	U. S. Environmental Protection Agency, Off. Water. Reg. and Standards, Criteria and Standards Division, Washington, D. C., EPA 440/5-84-027	Water Quality, metals, lead

Doc No.	Title	Author	Date	Reference	Key Words
D00263	Ambient Water Quality Criteria for Zinc (Cover and criteria only)	U.S. Environmental Protection Agency	1980	U. S. Environmental Protection Agency, Off. Water. Reg. and Standards, Criteria and Standards Division, Washington, D. C., EPA 440\5-80-079	Water Quality, zinc, metals
D00356	Arkansas River Basin Database and GIS Database Content Listing	U.S. Environmental Protection Agency	1994	U.S. Environmental Protection Agency Region VIII Headwaters Mining Initiative Committee in Conjunction with U.S. Fish and Wildlife Service Colorado Field Office	Arkansas River, Water Chemistry, Fish, Invertebrates, Metals, GIS
D00261	California Gulch, Colorado Site Fact Sheet	U.S. Environmental Protection Agency	1995	U. S. Environmental Protection Agency	California Gulch-General
D00435	College of the Canons Site Inspection Report	U.S. Environmental Protection Agency	1995	U.S. Environmental Protection Agency	college of the canons, arkansas river, downstream, metals, smelter, aquatic, air, sediment, water quality, soils
D00357	Colorado Department of Health Arkansas River Database and GIS Database Listings	U.S. Environmental Protection Agency	1994	U.S. Environmental Protection Agency Region VIII Headwaters Mining Initiative Committee in conjunction with U.S. Fish and Wildlife Service Colorado Field Office, September 1994	Arkansas River Basin, Hardrock Mining, Smelting, Water Quality, Fish, Sediment, Metals
D00365	Draft RI/FS Work Plan, Smelertown Superfund Site	U.S. Environmental Protection Agency	1993	U.S. Environmental Protection Agency, EPA Work Assignment No. 63-8LJ6, ARCS Contract No. 68-W8-0112	RI, FS, Smelertown Superfund Site, Salida, Colorado, Zinc, Contamination, metals
D00260	Drinking Water Regulations and Health Advisories	U.S. Environmental Protection Agency	1995	U. S. Environmental Protection Agency, Office of Water, Washington, D. C., May, 1995	Water Quality Standards, Drinking Water Regulations, Human Health
D00251	Ecological Effects of Soil Lead Contamination	U.S. Environmental Protection Agency	1992	U. S. Environmental Protection Agency, Toxics Integration Branch, Office of Emergency and Remedial Response	Soils, Metals, Lead, Effects, Bioavailability, Invertebrates, Plants, Mycorrhizae, Mammals, terrestrial
D00253	Effects of Exposure to Heavy Metals on Selected Fresh Fish, Toxicity of Copper, Cadmium, Chromium and Lead to Eggs and Fry of Seven Fish Species	U.S. Environmental Protection Agency	1976	U. S. Environmental Protection Agency, Environmental Research Laboratory, Duluth, Minnesota 55884 EPA-600/3-76-105, October 1976	Fish, Metals, Effects, aquatic
D00259	EPA Federal Center Library - Contaminants Search	U.S. Environmental Protection Agency	1995	U. S. Environmental Protection Agency Library	Bibliography
D00427	Final Engineering Evaluation/Cost Analysis Feasibility Study: Smelertown Superfund Site, Smelter Subsite	U.S. Environmental Protection Agency	1995	U.S. Environmental Protection Agency, ARCS Contract No. 68-W8-0112, EPA Work Assignment No. 63-8LJ6	smelertown, downstream, arkansas river, metals, remediation, smelting, ecological risk summary

Doc No.	Title	Author	Date	Reference	Key Words
D00429	Final Report Smelertown Superfund Site Investigation, Volume 1 of 3	U.S. Environmental Protection Agency	1993	U.S. Environmental Protection Agency, EPA Work Assignment No. 4-650, Weston Work Order No. 3347-34-01-5650-01, EPA Contract No. 68-03-3482	smelertown, downstream, arkansas river, metals, remediation, smelting, soils, water quality, ground water
D00430	Final Report Smelertown Superfund Site Investigation, Volume 2 of 3 (Appendix A: XRF Final Report)	U.S. Environmental Protection Agency	1993	U.S. Environmental Protection Agency, EPA Work Assignment No. 4-650, Weston Work Order No. 3347-34-01-5650-01, EPA Contract No. 68-03-3482	smelertown, downstream, arkansas river, metals, remediation, smelting, soils
D00438	Final Report, Smelertown Site Investigation II: Extended Site Characterization, Volume 1 of 4	U.S. Environmental Protection Agency	1994	U.S. Environmental Protection Agency, EPA Work Assignment No. 5-650, Weston Work Order No. 3347-35-01-6650-01, EPA Contract No. 68-03-3482	smelertown, arkansas river, downstream, water quality, metals, soils, aquatic, toxicity testing, smelter, fish
D00431	Human Health Baseline Risk Assessment, Smelertown Superfund Site	U.S. Environmental Protection Agency	1995	U.S. Environmental Protection Agency, Contract No. 68-W8-0112, EPA Work Assignment No. 63-8LJ6, CH2M Hill Master Project No. RME68111	smelertown, downstream, arkansas river, metals, remediation, smelting, soils, human health
D00257	Interpretive Addenda for California Gulch Remedial Investigation, Leadville, Colorado	U.S. Environmental Protection Agency	1987	U. S. Environmental Protection Agency, WA 25.8V29.0	RI/FS, California Gulch, Leadville, Colorado, metals
D00256	Phase I Remedial Investigation Report, California Gulch, Leadville, Colorado	U.S. Environmental Protection Agency	1987	U. S. Environmental Protection Agency, WA 53-8L29.0/W63781.R1, May, 1987	RI/FS, California Gulch, Leadville, Colorado
D00416	Proceedings of Public Meeting Re: Proposed Plan for the Former Koppers Woodtreating Site, Smelertown Superfund Site	U.S. Environmental Protection Agency	1997	U.S. Environmental Protection Agency	smelertown, downstream, arkansas river, public meeting
D00368	Quality Assurance Project Plan Smelertown RI/FS	U.S. Environmental Protection Agency	1993	U.S. Environmental Protection Agency, EPA Work Assignment No. 63-8LJ6, ARCS Contract No. 68-W8-0112	RI, Hazardous Waste Sites, Smelertown, Superfund Site
D00101	Record of Decision (ROD) Abstracts-California Gulch	U.S. Environmental Protection Agency	1999	U.S. EPA website, http://www.epa.gov/superfund/sites/rodsites/0801478.htm	abstracts, California Gulch, record of decision, ROD
D00504	Responsiveness Summary to Comments on the "Work Plan", Upper Arkansas River Fluvial Tailings III - Soil Amendment Remediation Project	U.S. Environmental Protection Agency	2000	Unpublished response to comments	arkansas river, biosolids, vegetation, metals, soils, amendments, fluvial, 11-mile reach, tailings

Doc No.	Title	Author	Date	Reference	Key Words
D00490	Responsiveness Summary to Comments to Alternatives Analysis Upper Arkansas River Fluvial Tailings - Soil Amendment Remediation Project	U.S. Environmental Protection Agency	1999	letter report to Upper Arkansas River Restoration Project Core Team	arkansas river, fluvial, tailings, metals, remediation, 11-mile reach, soils, amendments, biosolids
D00432	Smelertown Ecological Risk Assessment, Smelertown Superfund Site	U.S. Environmental Protection Agency	1995	U.S. Environmental Protection Agency, Contract No. 68-W8-0112, EPA Work Assignment No. 63-8LJ6, CH2M Hill Master Project No. RME68111	smelertown, downstream, arkansas river, metals, smelting, soils, ecological risk, water quality, aquatic, terrestrial, birds, mammals, plants, sediment
D00433	Smelertown Superfund Site, Consent Decree for Remedial Design/Remedial Action for OU2	U.S. Environmental Protection Agency	1999	U.S. Environmental Protection Agency	smelertown, consent decree, arkansas river, downstream, remediation
D00418	Smelertown Superfund Site, Record of Decision, 6/4/98	U.S. Environmental Protection Agency	1998	U.S. Environmental Protection Agency	smelertown, arkansas river, rod, metals, downstream
D00428	Smelertown Superfund Site, Smelter Subsite RI, Volume I Of II	U.S. Environmental Protection Agency	1994	U.S. Environmental Protection Agency, ARCS Contract No. 68-W8-0112, EPA Work Assignment No. 63-8LJ6, CH2M Hill Master Project No. RME68111	smelertown, downstream, arkansas river, metals, remediation, smelting, soils, water quality, ground water
D00258	Smelertown, Colorado Site Fact Sheet	U.S. Environmental Protection Agency	1993	U. S. Environmental Protection Agency	Smelertown
D00245	Summary, California Gulch, Remedial Investigation/Feasibility Study	U.S. Environmental Protection Agency	1983	U.S. EPA Region VIII, Superfund Program 83-C-2388	RI/FS, California Gulch
D00252	Tailings Pile Inventory of California Gulch (SCAP) Site, Leadville, Colorado (cover only)	U.S. Environmental Protection Agency	1988	U. S. Environmental Protection Agency, Environmental Monitoring Systems Laboratory, Las Vegas, Nevada	California Gulch-General, tailings
D00290	Upper Arkansas Fluvial Tailing Removals 2002 Interim Monitoring report	U.S. Environmental Protection Agency	2002	U.S. Environmental Protection Agency Region 8	fluvial tailings, mining, upper arkansas river, biosolids, lime, metals, groundwater
D00255	Yak Tunnel Operable Unit Feasibility Study, California Gulch Site - Volume I and Volume II	U.S. Environmental Protection Agency	1987	U. S. Environmental Protection Agency, WA 53-8L29.0/W63785.T1, June 1987	Yak Tunnel, California Gulch, RI/FS
D00266	Final Scoping Document, Strategy for Development of the Work Plan to Assess Pre-mining Geochemistry, California Gulch Study Area, Leadville, Colorado	U.S. Environmental Protection Agency, Roy F.Weston, Inc.	1992	U. S. Environmental Protection Agency, In: Remedial Planning Activities at Selected Uncontrolled Hazardous Substance Disposal Sites in the Zone of Regions VI, VII, and VIII, Arcs VI, VII, VIII	Soils, California Gulch, Leadville, Colorado, geochemistry, work plan
D00407	1988 Leadville Mine Drainage Tunnel Pilot Plant Studies: Acute and Chronic Toxicity Results	U.S. Environmental Protection Agency, U.S. Bureau of Reclamation	1988	Unpublished Study Report	Leadville Mine Drainage Tunnel, toxicity tests, arkansas river

Doc No.	Title	Author	Date	Reference	Key Words
D00355	Draft Field Sampling Plan: Smelertown Remedial Investigation/Feasibility Study	U.S. Environmental Protection Agency/CH2M Hill	1993	U.S. Environmental Protection Agency, EPA Work Assignment No. 68-W8-0112	Smelertown, RI, Feasibility, Superfund, Colorado Zinc Company, Beazers East
D00268	Final Baseline Aquatic Ecological Risk Assessment: California Gulch NPL Site	U.S. Environmental Protection Agency/Roy F. Weston, Inc.	1995	U. S. Environmental Protection Agency, Region VIII, Work Assignment No. 31-8L29, DCN 4800-31-0123	Ecological Risk Assessment, Aquatic, Leadville, Colorado, Upper Arkansas River, California Gulch
D00272	Minimal Program Requirements for Soil Sampling for the Terrestrial Ecosystem Evaluation at the California Gulch Site, Leadville, Colorado	U.S. Environmental Protection Agency/Roy F. Weston, Inc.	1991	U. S. Environmental Protection Agency, Region VIII, Denver, Colorado DCN 4800-01-0799	Soils, California Gulch, terrestrial, Leadville
D00270	Minimum Program Requirements for Field Surveys for Terrestrial Ecosystem Evaluation at the California Gulch Site, Leadville, Colorado	U.S. Environmental Protection Agency/Roy F. Weston, Inc.	1991	U.S. Environmental Protection Agency, Region VIII, Denver, Colorado DC# 4800-01-0793	RI/FS, terrestrial, California Gulch
D00269	Site Management Plan, Volume III, California Gulch NPL Site, Leadville, Colorado	U.S. Environmental Protection Agency/Roy F. Weston, Inc.	1991	U. S. Environmental Protection Agency, Region VIII, Denver, Colorado DCN 4800-01-0666	Management Plan, California Gulch, Leadville, CO
D00578	Volume I, Site Management Plan, California Gulch, Leadville, CO	U.S. Environmental Protection Agency/Roy F. Weston, Inc.	1990	U.S. Environmental Protection Agency, Region VIII, Denver, CO, DCN: 4800-01-0382	California Gulch, Leadville, Arkansas River, RI, Metals, Contaminants
D00579	Volume II, Site Management Plan, California Gulch, Leadville, CO	U.S. Environmental Protection Agency/Roy F. Weston, Inc.	1990	U.S. Environmental Protection Agency, Region VIII, Denver, CO, DCN: 4800-01-0382	California Gulch, Leadville, Arkansas River, RI, Metals, Contaminants
D00574	U.S. Fish and Wildlife Service, Region 6, Policy on Streambed Stabilization Projects	U.S. Fish and Wildlife Service, Region 6, Denver, Colorado	2001	U.S. Fish and Wildlife Service, Region 6, Denver, Colorado	streams, stabilization, morphology, restoration
D00274	Greenback Cutthroat Trout Recovery Plan, Final Greenback Cutthroat Trout Recovery Team Submission-DRAFT	U.S. Fish and Wildlife Service	1995	U. S. Fish and Wildlife Service, Region 6, Denver, Colorado, Prepared and Submitted by: Greenback Cutthroat Trout Recovery Team, 28 February 1995	Fish, Trout, Cutthroat, Greenback, Recovery Plan, aquatic
D00276	Lead Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review (cover only)	U.S. Fish and Wildlife Service	1988	U. S. Fish and Wildlife Service, Biological Report 85(1.14), April 1988	Fish, aquatic, lead, metals
D00277	Methods for the Assessment and Prediction of Mineral Mining Impacts on Aquatic Communities: A Review and Analysis	U.S. Fish and Wildlife Service	1978	U. S. Fish and Wildlife Service, Office of Biological Services, Eastern Energy and Land Use Group, Workshop Proceedings, December 6-7, 1977, April 1978, William T. Mason, Jr., Editor	Aquatic Biota, Mining, Impacts Assessment

Doc No.	Title	Author	Date	Reference	Key Words
D00370	Two Forks Reservoir & William's Fork Gravity Collection System Projects Colorado	U.S. Fish and Wildlife Service	1987	U.S. Fish and Wildlife Service, Fish and Wildlife Coordination Report, Denver, Colorado	Two Forks Reservoir, William's Fork Gravity Collection System, Colorado, Coordination, Biological Opinions
D00487	Clear Creek Reservoir Reclamation and Arkansas River Fish Kill: A Review and Evaluation of the Use of Rotenone	U.S. Fish and Wildlife Service for Colorado Division of Wildlife	1988	unpublished report	arkansas river, fish, aquatic, fish kill, trout, clear creek reservoir, rotenone
D00280	Assessment of the Trout Population in the Upper Arkansas River Basin of Central Colorado	U.S. Fish and Wildlife Service with Colorado Division of Wildlife	1993	U.S. Bureau of Reclamation, Eastern Colorado Projects Office, Loveland, CO	fish, trout, brown trout, arkansas river, metals, aquatic, water quality, Upper Arkansas River
D00279	Compilation of Records of Surface Waters of the United States through September 1950	U.S. Geological Survey	1955	U. S. Geological Survey, Water-Supply Paper 1311	Hydrology, Surface Water, Discharge Records, Arkansas River Basin, Colorado
D00333	Summary of Discharge Measurement Data, Arkansas River, CO	U.S. Geological Survey	1996	U.S. Geological Survey, Water Resources Division, Summary Data	Discharge, Arkansas River, Colorado, Malta, Leadville
D00278	Upper Arkansas Surface-Water Toxics Project Bibliography	U.S. Geological Survey	1993	U. S. Geological Survey	Bibliography
D00281	A Colorado History (Cover Only)	Ubbelohde, C., M. Benson, D.A. Smith	1995	Pruett Press, Boulder, Colorado 339p.	Colorado History
D00282	A Colorado Reader (Cover only)	Ubbelohde, C., M. Benson, D.A. Smith	1982	Pruett Press, Boulder, Colorado 342p.	Colorado History
D00063	1998 Sampling and Analysis Report: Upper Arkansas River Monitoring Wells, Leadville, Colorado	URS Operating Services	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	Arkansas River, aquatic, wells, groundwater
D00465	Alternatives Analysis, Upper Arkansas River Fluvial Tailings, Lake County, Colorado	URS Operating Services, US Environmental Protection Agency	1997	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, revegetation, biosolids, remediation
D00468	Alternatives Analysis, Upper Arkansas River Fluvial Tailings, Lake County, Colorado	URS Operating Services, US Environmental Protection Agency	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, revegetation, biosolids, remediation
D00469	Alternatives Analysis, Upper Arkansas River Fluvial Tailings, Lake County, Colorado	URS Operating Services, US Environmental Protection Agency	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, revegetation, biosolids, remediation
D00472	Biosolids Sampling Plan, Upper Arkansas Fluvial Tailings Biosolids Revegetation Project, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, ground water, water quality, sampling

Doc No.	Title	Author	Date	Reference	Key Words
D00473	Biosolids Sampling Report, Upper Arkansas River Tailings Biosolids Revegetation Project, Leadville, Colorado - DRAFT	URS Operating Services, US Environmental Protection Agency	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, biosolids
D00508	Draft Alternatives Analysis for the Year 2000, Upper Arkansas River Fluvial Tailings, Lake County, Colorado	URS Operating Services, US Environmental Protection Agency	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, fluvial, tailings, metals, remediation, 11-mile reach, soils, amendments, biosolids, remediation
D00500	Draft Work Plan/2000 Field Season, Upper Arkansas River Fluvial Tailings Soil Amendment/ Revegetation Project	URS Operating Services, US Environmental Protection Agency	2000	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, biosolids
D00463	DRAFT--Work Plan, Upper Arkansas River Fluvial Tailings Soil Amendments/Revegetation Project, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, revegetation, biosolids, remediation
D00466	Field Sampling Plan, California Gulch, Arkansas River Fluvial Tailings, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1996	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9605-0016	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, sampling
D00470	Field Sampling Plan, Upper Arkansas River Fluvial Tailings Monitoring Wells, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, ground water, water quality, sampling
D00458	Hydrologic and Hydraulic Assessment, Brownfields--Upper Arkansas River, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9703-0008	arkansas river, hydrology, hydraulics, flows, 11-mile reach
D00509	Monitoring Plan, Biosolids Revegetation Project, Upper Arkansas River Fluvial Tailings, Lake County, Colorado	URS Operating Services, US Environmental Protection Agency	1999	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, fluvial, tailings, metals, remediation, 11-mile reach, soils, amendments, biosolids, remediation
D00467	Sampling Activities Report, Fall 1997 Sampling, Upper Arkansas River Fluvial Tailings, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, sampling, hayden ranch
D00467B	Sampling Activities Report, Fall 1997 Sampling, Upper Arkansas River Fluvial Tailings, Leadville, Colorado, Appendix B, Photographic Results	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, sampling, hayden ranch
D00460	Sampling Activities Report, Upper Arkansas River Fluvial Tailings, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1997	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9609-0005	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, characterization
D00461	Sampling Activities Report, Upper Arkansas River Fluvial Tailings, Leadville, Colorado: Appendix B-- Photographic Results	URS Operating Services, US Environmental Protection Agency	1997	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9609-0005	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, characterization, photos

Doc No.	Title	Author	Date	Reference	Key Words
D00462	Sampling Activities Report, Upper Arkansas River Fluvial Tailings, Leadville, Colorado: Appendix B-- Photographic Results	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, characterization, photos
D00459	Sampling Activities Report--July 1998, Upper Arkansas River Fluvial Tailings Monitoring Wells, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, ground water, monitoring, metals, water quality, 11-mile reach, demonstration sites
D00464	Work Plan 1998 Biosolids Projects, Upper Arkansas River Fluvial Tailings, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, revegetation, biosolids, remediation
D00471	Work Plan, Upper Arkansas Fluvial Tailings Biosolids Revegetation Project, Leadville, Colorado	URS Operating Services, US Environmental Protection Agency	1998	URS, START EPA Region 8, Contract No. 68-W5-0031, TDD No. 9702-0025	arkansas river, tailings, metals, soils, 11-mile reach, fluvial, amendments, revegetation, biosolids, remediation
D00550	Screening Level Soil Sampling Results on Private Property, Upper Arkansas River	US Bureau of Reclamation and US Bureau of Land Management	2001	Memo from US BOR to Lake County Soil Conservation District	soil sampling, upper arkansas, metals, private lands,
D00283	Abiotic and Biotic Factors Influencing in situ Trace Metal levels in Macroinvertebrates in Freshwater Ecosystems	van Hattum, Bert, Klaas R. Timmermans, Harrie A. Govers	1991	Environmental Toxicology and Chemistry, 10:275-292	Invertebrates, Aquatic, Metals, bioavailability, sediment
D00476	Effects of Placer Gold Mining on Primary Production in Subarctic Streams of Alaska	Van Nieuwenhuysse and J.D. LaPerriere	1986	Water Resources Bulletin 22(1): 91-99	placer mining, effects, primary production, sediments, algae, mining, oxygen, aquatic, stream, water quality, alaska
D00445	Data provided by Dr. B. Smith	various	1999	unpublished reports	arkansas river, osteochondrosis, forage, terrestrial, livestock, soils, plants, 11-mile reach
D00451	Data provided by Mrs. Edith Seppi	various	1999	various	soils, forage, metals, 11-mile reach, california gulch, water, livestock, arkansas river, maps, range management
D00450	Restoration Ecology: Special Supplement...Riparian Restoration	various	1997	Restoration Ecology 5(4s) 121pp.	restoration, riparian, upper arkansas, landscape approach, watershed scale, prioritization
D00415	U.S. Geological Survey Toxic Substances Hydrology Program-- Proceedings of the Technical Meeting, Monterey, CA, March 1991	various...see contents page...articles highlighted are included	1991	U.S. Geological Survey, Water-Resources Investigations Report 91-4034	arkansas river, toxic substances, acid mine drainage, sediments, metals, water quality, metal loading

Doc No.	Title	Author	Date	Reference	Key Words
D00613	High Cadmium Residues Observed during a Pilot Study in Shorebirds and Their Prey Downstream from the El Salvador Copper Mine, Chile	Vermeer, K. and J.C. Castilla	1991	Bulletin of Environmental Contaminant Toxicology 46:242-248	metals, cadmium, copper, mines, birds, terrestrial
D00532	Bird List - Upper Arkansas River, Lake County	Voynick, S.	1992	bird list from Mr. Steve Voynick	birds, species list, upper arkansas, riparian
D00313	Seasonal Relationships Between the Benthos, Invertebrate Drift and Brown Trout Predation (Abstract Only)	W., David S.	1988	Colorado State University, Fort Collins, Colorado, M. S. Thesis	Fish, Trout, invertebrates, aquatic
D00284	Effects of Copper, pH and Hardness on the Critical Swimming Performance of Rainbow Trout (<i>Salmo gairdneri</i> Richardson)	Waiwood, K. G. and F. W. H. Beamish	1978	Water Research 12:611-619	Fish, Metals, Trout, Copper, aquatic, pH
D00285	Mercury, Arsenic Lead, Cadmium, and Selenium Residues in Fish, 1971-1973, National Pesticide Monitoring Program	Walsh, D., B Berger and J. Bean	1977	Pesticides Monitoring Journal 11:5-34	Fish, mercury, arsenic, lead, cadmium, selenium, metals, pesticides
D00394	Impact of Water Level Changes on Woody Riparian and Wetland Communities	Walters, M.A., R.O. Teskey, T.M. Hinckley	1980	US FWS Biological Services Program, Volume VIII Pacific Northwest and Rocky Mountain Regions (FWS/OBS-78/94)	water, riparian, wetland, aquatic
D00376	Preliminary Assessment of the Effects of Acid Mine Drainage on Ground Water Beneath a Wetland Near Leadville, Colorado	Walton-Day, K., and P.H. Briggs	1988	U.S. Geological Survey, Water Resources Investigations Report 88-4220	St. Kevin Gulch, Leadville, Acid Mine Drainage, Wetland, Tennessee Creek, East Fork of the Arkansas River, Sulfide
D00446	Effects of Fluvial Tailings Deposits on Soils and Surface- and Ground-Water Quality, and Implications for Remediation-- Upper Arkansas River, Colorado, 1992-96	Walton-Day, K., F.J. Rossi, L.J. Gerner, J.B. Evans, T.J. Yager, J.F. Ranville, and K.S. Smith	2000	U.S. Geological Survey, Water-Resources Investigations Report 99-4273100pp.	arkansas river, 11-mile reach, tailings, water quality, aquatic, metals, soils, fluvial deposits
D00588	use of Mass-Flow Calculations to Identify Processes Controlling Water Quality in a Subalpine Wetland Receiving Acid Mine Drainage, St. Kevin Gulch, Colorado	Walton-Day, K., P.H. Briggs, and S.B. Romberger	1991	In Proceedings of International Conference on Tailings/ Mine Waste	water quality, acid mine, wetland, cadmium, zinc, metals
D00286	Hydrology and Geochemistry of a Natural Wetland Affected by Acid Mine Drainage, St. Kevin Gulch, Lake County, Colorado - DRAFT	Walton-Day, Katherine	1995	U. S. Geological Survey, Denver, CO	Wetland/Riparian, Metals, Acid Mine Drainage, St. Kevin Gulch, Leadville, Colorado, Hydrology, Geochemistry, aquatic

Doc No.	Title	Author	Date	Reference	Key Words
D00287	Iron and Zinc Budgets in Surface Water for a Natural Wetland Affected by Acidic Mine Drainage, St. Kevin Gulch, Lake County, Colorado- DRAFT	Walton-Day, Katherine	1995	in Morganwalp, D.W., and Aronson, D.A, (eds.), U.S. Geological Survey Toxic Substances in Hydrology Program--Proceedings of the Technical Meeting, Colorado Springs, CO: U.S.G.S. Water-Resources Investigations Report 94-4015, 2:759-764	Wetland/Riparian, Metals, Acid Mine Drainage, St. Kevin Gulch, Leadville, Colorado, Iron, Zinc, aquatic
D00289	CONFIDENTIAL - Water-Quality, Soil Chemistry, and Geologic Data for a Property along the Arkansas River near Leadville, Colorado	Walton-Day, Katherine and Tracy J. Yager	1992	U. S. Bureau of Land Management, prepared by U. S. Geological Survey, Water Resources Division, Colorado District, December, 1992	Soils, Water Quality, Soil Chemistry, Geology, Upper Arkansas River, Leadville, Colorado
D00557	Effects of Remediation on Geochemistry and Hydrology of the Unsaturated Zone of Fluvial Tailings Deposits in the Floodplain of the Upper Arkansas River, Colorado	Walton-Day,K., R.W. Healy, F.B. Maestas, and A. Ranalli	2000	In Proceedings from the Fifth International Conference on Acid Rock Drainage, Volume II, 2000, pp. 1450	upper arkansas, tailings, fluvial, metals, hydrology, water, remediation, biosolids, floodplain
D00404	Effect of Placer Mining (Dredging) on a Trout Stream	Webb, W.E. and O.E. Casey	1961	State of Idaho, Department of Fish and Game Report, Project DJ-F-34-R, Job 3	aquatic, fish, placer mining, dredging, stream, physical change
D00291	Effect of Mine Drainage on the Quality of Streams in Colorado	Wentz, D.	1974	U. S. Geological Survey, Colorado Resource Circ. No. 21, 117p.	Water Quality, Acid Mine Drainage, Colorado, Metals, Contaminants, aquatic
D00011	The WRRRI Trout Cover Rating Method: Development and Application	Wesche, T.A.	1980	Water Resources Series No. 78 Completion Report, Water Resources Research Institute, University of Wyoming	fish, trout, instream flow, aquatic, cover
D00292	The Effect of Graded Doses of Cadmium on Lead, Zinc and Copper Content of Target and Indicator Organs in Rats (Front page)	Wesenberg, G. B. R., G. Fosse and P. Rasmussen	1981	American Journal of Environmental Studies 17:191-200	Mammals, Metals, Rats, Cadmium, Lead, Zinc, Copper
D00293	Cadmium Content of Indicator and Target Organs in Rats after Graded Doses of Cadmium (First page)	Wesenberg, G., G. Fosse, P. Rasmussen and N. P. B. Justesen	1981	International Journal of Environmental Studies 16:147-155	Mammals, Metals, Rats, Cadmium, Toxicity
D00537	Use of Environmental Variables to Estimate Metal Loads in Streams, Upper Arkansas River Basin, Colorado	Wetherbee, G.A. and B.A. Kimball	1991	in Mallard, G.E. and Aronson, D.E. (eds.) USGS Toxic Substances Hydrology Program; proceedings of the technical meeting, Monterey CA, March 11-15, 1991, WRI 91-4034, p. 398-406	upper arkansas, metals, water, aquatic, sediment, water quality
D00294	Selected Hydrologic Data for the Upper Arkansas River Basin, Colorado, 1986-1989	Wetherbee, G.A., B.A. Kimball and W.S. Maura	1991	U. S. Geological Survey, Open-File Report 91-528	Water Quality, Upper Arkansas River Basin
D00295	Uptake and Retention of Cadmium by Mallard Ducks	White, D. and M. Finley	1978	Environmental Research 17:53-59	Birds, cadmium, metals, ducks

Doc No.	Title	Author	Date	Reference	Key Words
D00296	Histopathologic Effects of Dietary Cadmium on Kidneys and Testes of Mallard Ducks	White, D., M. Finley and J. Ferrell	1978	Journal of Toxicology and Environmental Health 4:551-558	Birds, ducks, cadmium, metals
D00297	Bird Use and Heavy Metal Accumulation in Waterbirds at Dredge Disposal Impoundments, Corpus Christi, Texas	White, D.H. and E. Cromartie	1985	Bulletin of Environmental Contaminants and Toxicology 34: 295-300	Birds, Waterfowl, Metals, Mining, terrestrial
D00298	Residues of Environmental Pollutants and Shell Thinning in Merganser Eggs	White, D.H. and E. Cromartie	1977	The Wilson Bulletin 89(4)	Birds, Contaminants, Eggs, Reproduction, terrestrial
D00299	Residues of Organochlorines and Heavy Metals in Ruddy Ducks from the Delaware River, 1973	White, D.H. and T.E. Kaiser	1976	Pesticides Monitoring Journal 9(4):155-156	Birds, Waterfowl, Metals, Contaminants, Toxicity, terrestrial
D00300	Reproductive Success of Black Skimmers in Texas Relative to Environmental Pollutants	White, D.H., C.A. Mitchell and D.M. Swineford	1984	Journal of Field Ornithology 55(1):18-30	Birds, Contaminants, Eggs, Reproduction, terrestrial
D00301	Significance of Organochlorine and Heavy Metal Residues in Wintering Shorebirds at Corpus Christi, Texas, 1976-1977	White, D.H., K.A. King, and R.M. Prouty	1980	Pesticides Monitoring Journal 14(2):58-63	Birds, Metals, Standards, Bioaccumulation, Shorebirds, terrestrial
D00302	Trace Elements in Sediments, Water, and American Coots (Fulica americana) at a Coal-fired Power Plant in Texas, 1979-1982	White, D.H., K.A. King, C.A. Mitchell and B.M. Mulhern	1986	Bulletin of Environmental Contaminants Toxicology 36:376-383,	Birds, Water Fowl, Sediments, Water, Power Plant, terrestrial
D00303	Relations of Wintering Canvasbacks to Environmental Pollutants -- Chesapeake Bay, Maryland	White, D.H., R.C. Stendell and B.M. Mulhern	1979	Wilson Bulletin 91(2):279-287	Birds, Waterfowl, Metals, Effects, Foodchain, Physiologic, terrestrial
D00304	Effects of Dietary Boron and Arsenic on the Behavior of Mallard Ducklings	Whitworth, M.R., G.W. Pendleton, D.J. Hoffman and M.B. Camardese	1991	Environmental Toxicology and Chemistry 10:911-916	Birds, Waterfowl, Metals, Boron, Arsenic, terrestrial
D00305	Patterns of Vegetation Response to Heavy Metal Stress	Wickman, D.E.	1982	Presented at the International Symposium on Remote Sensing of Environment Second Thematic Conference, Remote Sensing for Exploration Geology, Fort Worth, Texas, December 6-10, 1982	Vegetation, heavy metals, terrestrial
D00306	Enhanced Bioaccumulation of Mercury, Cadmium and Lead in Low-Alkalinity Waters: An Emerging Regional Environmental Problem	Wiener, J. G. and P. M. Stokes	1990	Environmental Toxicology and Chemistry 9:821-823	Fish, Metals, Bioaccumulation, aquatic
D00307	A Water Handbook for Metal Mining Operations	Wildeman, T.R.	1981	Colorado State University, Colorado Water Resources, Research Institute, Ft. Collins, Colorado, Completion Report No. 113	Metals, Mining, Acid Mine Drainage, Water Quality

Doc No.	Title	Author	Date	Reference	Key Words
D00308	PC-Based Design of Channel Protection Using Permanent Geosynthetic Reinforcement Mattings	Williams, D.T., D.N. Austin	1995	Land and Water September/October, 1995	Restoration, Streambank Erosion
D00582	Water Resource Management Strategies for Restoring and Maintaining Aquatic Life Uses	Willingham, T., A. Medine	1992	Second International Joint EPA-Peoples Republic of China Symposium on Fish Toxicology, Physiology and Water Quality Management	water quality, Arkansas River, aquatic life, management
D00309	Copper, Zinc, and Cadmium Concentrations of Resident Trout Related to Acid-Mine Wastes	Wilson, D.	1980	California Department of Fish and Game, Pesticides Investigations Unit, Sacramento, California	Fish, copper, zinc, cadmium, metals, acid mine
D00310	Lichens as Indicators of Air Pollution Impacts at Superfund Sites	Wilson, M.J.	1991	U. S. Environmental Protection Agency, Exposure Assessment Group, EOA Contract No. 68-DO-0100	Smelters, Metals Deposition, Study Techniques, vegetation
D00366	Water Quality Study; Arkansas River above Salida, Colorado (In contaminants database #4019)	Windell, J.T., M.L. Kline, US Army Corps of Engineers, ARIX	1985	U.S. Army Corps of Engineers, Albuquerque District	Arkansas River, water quality, metals, dredging, aquatic
D00312	Seasonal Variability in the Sensitivity of Freshwater Lentic Communities to a Chronic Copper Stress	Winner, R.W., H.A. Owen and M.V. Moore	1990	Aquatic Toxicology 17:75-92	Aquatic Biota, Heavy Metals, Copper
D00311	Insect Community Structure as an Index of Heavy-Metal Pollution in Lotic Ecosystems	Winner, R.W., M. W. Boesel, and M. P. Farrell	1980	Canadian Journal of Fish and Aquatic Sciences 37:647-655	Invertebrates, Aquatic, Metals, Indices
D00314	Stampede to Timberline (Cover Only)	Wolle, M.	1974	Sage Books, Chicago, Illinois, 544p.	Colorado History, mining
D00489	Use Attainability Study, California Gulch, Colorado	Woodling, J., Colorado Department of Public Health and Environment, and U.S. Environmental Protection Agency	1990	Colorado Department of Public Health and Environment, and U.S. Environmental Protection Agency Report	arkansas river, california gulch, metals, fish, invertebrates, aquatic, riparian habitat
D00507	Survival and Mortality of Brown Trout (Salmo trutta) to In Situ Acutely Toxic Concentrations of Cadmium and Zinc	Woodling, J.D.	1993	Dissertation, University of Colorado, Boulder, CO	arkansas river, trout, metals, aquatic, water, toxicology, cadmium, zinc
D00315	Sensitivity of Greenback Cutthroat Trout to Acidic pH and Elevated Aluminum	Woodward, D. F., A. M. Farag, E. E. Little, B. Steadman and R. Yancik	1991	Transactions of the American Fisheries Society 120: 34-42	Fish, Trout, Cutthroat, pH, Greenback, aquatic, metals
D00403	Metals-Contaminated Benthic Invertebrates in the Clark Fork River, Montana: Effects on Age-0 Brown Trout and Rainbow Trout	Woodward, D.F., A.M. Farag, H.L. Bergman, A.J. DeLonay, E.E. Little, C.E. Smith, and F.T. Barrows	1995	Canadian Journal of Fisheries and Aquatic Sciences 52: 1994-2004	aquatic, fish, invertebrates, metals uptake, metals, clark fork river
D00449	Brown Trout Avoidance of Metals in Water Characteristic of the Clark Fork, Montana	Woodward, D.F., J.A. Hansen, H.L. Bergman, E.E. Little, and A.J. DeLonay	1995	Canadian Journal of Fisheries and Aquatic Science 52: 2031-2037	clark fork, metals, aquatic, water quality, fish, behavior,

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D00316	Effects on Rainbow Trout Fry of a Metals-Contaminated Diet of Benthic Invertebrates from the Clark Fork River, Montana	Woodward, D.F., W.G. Brumbaugh, A.J. DeLonay, E.E. Little and C.E. Smith	1994	Transactions of the American Fisheries Society 123:51-62	Fish,, aquatic, metals, diet, invertebrates, trout
D00530	Revegetation of Pb/Zn Mine Tailings, Guangdong Province, China	Ye, Z.E., J.W.C. Wong, M.H. Wong, A.J.M. Baker, W.S. Shu, C.Y. Lan	2000	Restoration Ecology 8(1):87-92.	revegetation, mine tails, tailings, lead, zinc, mining, soil, reclamation, metals
D00414	Uraniferous Waters of the Arkansas River valley, Colorado USA: a Function of Geology and Land Use	Zielinski, R.A., S. Asher-Bolinder, and A.L. Meier	1995	Applied Geochemistry 10: 133-144	water quality, downstream, arkansas river, uranium, land use, geology