

VOLUME 1 OF 6

**DRAFT
ENVIRONMENTAL IMPACT STATEMENT**

MOFFAT COLLECTION SYSTEM PROJECT

Denver Water

**U.S. Army Corps of Engineers
Omaha District**

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October 2009



This Environmental Impact Statement (EIS) was prepared by URS Corporation, an environmental and engineering consulting firm, with the guidance, participation, and independent evaluation of the U.S. Army Corps of Engineers (Corps). The Corps, in accordance with 40 Code of Federal Regulations (CFR) 1506.5(a) and (c), is in agreement with the findings of the analysis, and approves and takes responsibility for the scope and content of this document.

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Omaha District**

**Martha S. Chieply, Chief
REGULATORY BRANCH
ARMY CORPS OF ENGINEERS, OMAHA DISTRICT**

Date

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COVER SHEET
DRAFT ENVIRONMENTAL IMPACT STATEMENT
MOFFAT COLLECTION SYSTEM PROJECT

Lead Agency: Department of the Army
Corps of Engineers, Omaha District

Jurisdictions in Colorado That Could be Directly Affected: City and County of Denver, Adams County, Boulder County, Jefferson County, and Grand County

Abstract: This Draft Environmental Impact Statement (EIS) evaluates the effects of a water supply project called the Moffat Collection System Project (Moffat Project). The Moffat Project would result in direct impacts to jurisdictional waters of the United States (U.S.), including wetlands. The placement of fill material in these waters of the U.S. for the construction of water storage and distribution facilities associated with developing additional water supplies requires authorization from the U.S. Army Corps of Engineers (Corps) under Section 404 of the Clean Water Act. The Applicant is the City and County of Denver, acting by and through its Board of Water Commissioners (Denver Water).

Denver Water proposes to enlarge its existing 41,811-acre foot (AF) Gross Reservoir by 72,000 AF to a total storage capacity of 113,811 AF. Gross Dam is located in Boulder County, Colorado, approximately 35 miles northwest of Denver and 6 miles southwest of the city of Boulder. The enlargement would be accomplished by raising the existing concrete gravity arch dam by 125 feet, from 340 to 465 feet high. The surface area of the reservoir would be expanded from approximately 418 acres to 818 acres. Using existing collection infrastructure, water from the Fraser River, Williams Fork River, and South Boulder Creek would be diverted and delivered during average to wet years via the Moffat Tunnel and South Boulder Creek to Gross Reservoir. There would be no additional diversions in dry years because Denver Water already diverts the maximum amount physically and legally available under their existing water rights without additional storage in their system. In order to firm this water supply and provide 18,000 AF per year of new firm yield, an additional 72,000 AF of storage capacity is necessary. To meet future demands, in most years, Denver Water would continue to rely on supplies from its entire integrated collection system. In a drought or emergency, Denver Water would rely on the additional water it would have previously stored in the Moffat Collection System to provide the additional 18,000 AF of yield.

The purpose of the Moffat Project is to develop 18,000 AF per year of new, annual firm yield to the Moffat Water Treatment Plant (WTP) and raw water customers upstream of the Moffat WTP pursuant to the Board of Water Commissioners' commitment to its customers. Denver Water's need for the proposed Moffat Project is to address two major issues: (1) the overall near-term water supply shortage, and (2) the imbalance in water storage and supply between the North and South systems.

This EIS analyzes six alternatives for the Moffat Project: (1) Proposed Action (Alternative 1a) – Gross Reservoir Expansion (Additional 72,000 AF), (2) Alternative 1c – Gross Reservoir Expansion (Additional 40,700 AF)/New Leyden Gulch Reservoir (31,300 AF), (3) Alternative 8a – Gross Reservoir Expansion (Additional 52,000 AF)/Reusable Return Flows/Gravel Pit Storage (5,000 AF), (4) Alternative 10a – Gross Reservoir Expansion (Additional 52,000 AF)/Reusable Return Flows/Denver Basin Aquifer Storage (20,000 AF), (5) Alternative 13a – Gross Reservoir Expansion (Additional 60,000 AF)/Transfer of Agricultural Water Rights/Gravel Pit Storage (3,625 AF), and (6) No Action Alternative, which assumes that Denver Water would not receive approval from the Corps to implement the Moffat Project. Denver Water would rely upon a combination of strategies including using a portion of its Strategic Water Reserve and imposing mandatory restrictions to reduce demand during droughts.

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Date by Which Comments are Due: January 28, 2010. Written comments should be received by close of business, 5 p.m. Please include your name and complete mailing address on all written comments.

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Acronyms

ACHP	Advisory Council on Historic Preservation	CSA	Combined Service Area
ADT	Average Daily Traffic	CWA	Clean Water Act
AF	acre-feet	CWCB	Colorado Water Conservation Board
AIR	Automobile Inspection and Readjustment	DAU	data analysis units
APCD	Air Pollution Control Division	DM	daily maximum
APE	Area of Potential Effect	DOLA	Colorado Department of Local Affairs
AQCC	Air Quality Control Commission	DRCOG	Denver Regional Council of Governments
ASR	aquifer storage and recovery	EA	Environmental Assessment
AST	Aboveground Storage Tank	EAC	Early Action Compact
ASTM	American Society for Testing and Materials	ECA	Environmental Conservation Areas
AUM	Animal Unit Month	EIS	Environmental Impact Statement
AWT	advanced water treatment	EO	Executive Order
BA	Biological Assessment	EPA	U. S. Environmental Protection Agency
BCZ	Block Clearance Zone	ESA	Endangered Species Act
BDL	Below Detection Limit	FDR	Forest Development Road
BLM	Bureau of Land Management	FEMA	Federal Emergency Management Agency
BMP	Best Management Practices	FERC	Federal Energy Regulatory Commission
CAA	Clean Air Act	FHWA	Federal Highway Administration
C-BT	Colorado-Big Thompson	FIRM	Flood Insurance Rate Map
CCP	Comprehensive Conservation Plan	FR	Forest Road
CDOT	Colorado Department of Transportation	FRICO	Farmers Reservoir and Irrigation Company
CDOW	Colorado Division of Wildlife	FTA	Federal Transit Authority
CDPHE	Colorado Department of Public Health and Environment	GCWIN	Grand County Water Information Network
CDSS	Colorado Decision Support System	GIS	Geographic Information System
CEC	Chadwick Ecological Consultants, Inc.	GMU	game management unit
CEQ	Council on Environmental Quality	GPCD	gallon per capita per day
CFR	Code of Federal Regulations	GPS	Global Positioning System
CHS	Colorado Historical Society	I	Interstate
CNHP	Colorado Natural Heritage Program	IF	Isolated Finds
Corps	U.S. Army Corps of Engineers	IFIM	Instream Flow Incremental Methodology
CR	County Road	IGA	Intergovernmental agreement
CRRP	Colorado River Return Project	IMPROVE	Interagency Monitoring of Protected Visual Environments
C.R.S.	Colorado Revised Statutes	IRP	Integrated Resources Plan
CRWCD	Colorado River Water Conservation District		

Acronyms

JSA	Joint Sewer Authority	PCA	Potential Conservation Areas
KOP	Key Observation Point	PEL	Permissible Exposure Level
LEPDA	least environmentally damaging practicable alternative	PEM	palustrine emergent wetland
L-E Plant	Littleton-Englewood WWTP	PIA	Primary Impact Area
MCL	Maximum Contaminant Level	PRV	pressure reducing valve
MPM	Meyer-Peter Müller	PSS	palustrine scrub-shrub wetland
MPWCD	Middle Park Water Conservancy District	PWSD	Parker Water and Sanitation District
MOA	Memorandum of Agreement	RAQC	Regional Air Quality Council
MSA	Metropolitan Statistical Area	RDC	relative development cost
MWAT	maximum weekly average temperature	RMP	Resource Management Plan
MWRD	Metro Wastewater Reclamation District	RN	Roaded Natural
NAAQS	National Ambient Air Quality Standards	ROD	Record of Decision
NAC	Noise Abatement Criteria	ROM	rough order-of-magnitude
NCWCD	Northern Colorado Water Conservancy District	ROS	Recreation Opportunity Spectrum
NDIS	Natural Diversity Information System	ROW	right-of-way
NEPA	National Environmental Policy Act	RTD	Regional Transportation District
NHD	National Hydrography Dataset	SDC	system development charge
NHPA	National Historic Preservation Act	SEL	Sound Exposure Level
NISP	Northern Integrated Supply Project	SEO	Colorado Office of the State Engineer
NPDES	National Pollutant Discharge Elimination System	SH	State Highway
NPS	National Park Service	SHPO	State Historic Preservation Officer
NRCS	Natural Resources Conservation Service	SIA	Secondary Impact Area
NRHP	National Register of Historic Places	SIP	State Implementation Plan
NWCCOG	Northwest Colorado Council of Governments	SPM	Semi-primitive Motorized
NWR	National Wildlife Refuge	SPWCP	South Platte Water Conservation Project
O&M	operations and maintenance	SWA	State Wildlife Area
OAHP	Office of Archaeology and Historic Preservation	STORET	Storage and Retrieval EPA Database
OHV	off-highway vehicle	TCHD	Tri-County Health Department
ORV	Outstandingly Remarkable Value	TMDL	total maximum daily load
OSHA	Occupational Safety and Health Administration	TVS	table value standard
PA	Programmatic Agreement	UPCO	Upper Colorado River Basin
PACSM	Platte and Colorado Simulation Model	U.S.	United States
		USDA	U.S. Department of Agriculture
		USFWS	U.S. Fish and Wildlife Service
		USFS	U.S. Forest Service
		USGS	U.S. Geological Survey

UST	underground storage tank	WRAA	water rights acquisition area
VISI	Visibility Standard Index	WTP	Water Treatment Plant
WAPA	Western Area Power Administration	WUA	Weighted Usable Area
WGFP	Windy Gap Firming Project	WWTP	Wastewater Treatment Plant
WQCC	Water Quality Control Commission	ZLD	zero liquid discharge

Chemicals/Constituents

CO	carbon monoxide	PM _{2.5}	fine particulate matter less than 2.5 microns in diameter
DO	dissolved oxygen	SO ₂	sulfur dioxide
NO ₂	nitrogen dioxide	SO _x	sulfur oxides
NO _x	oxides of nitrogen	TCE	trichloroethylene
O ₃	ozone	TDS	total dissolved solids
PAH	polyaromatic hydrocarbons	TOC	total organic carbon
Pb	lead	TSS	total suspended solids
PM ₁₀	particulate matter less than 10 microns in diameter	VOC	volatile organic compounds

Acronyms

Measurements

ac	acre	m ²	meters squared
AF	acre-feet	mgd	million gallons per day
AF/yr	acre-feet per year	mg/L	milligrams per liter
bdl	below detection limits	ml	milliliter
bgs	below ground surface	mm	millimeter
°C	degrees Celsius	Mm ⁻¹	inverse megameters
cfs	cubic feet per second	msl	mean sea level
cm	centimeters	mph	miles per hour
dB	decibel	MPN	mean probable number
dBA	decibel rating A scale (human ear)	MW	megawatt
°F	degrees Fahrenheit	NTU	nephelometric turbidity unit
ft	foot/feet	ppm	parts per million
gpd	gallons per day	psf	pounds per square foot
gpm	gallons per minute	psi	pounds per square inch
gpd/ft	gallons per day per foot	pCi/g	picoCuries per gram
ha	hectare	pCi/L	picoCuries per liter
kg	kilogram	SEL	A-weighted sound exposure level
km	kilometers	μg/m ³	micrograms per cubic meter
L _A	A-weighted sound level	μg	micrograms
L _{eq}	equivalent sound level	μg/L	micrograms per liter
L _{dn}	day-night average sound level	μmhos/cm	micromhos per centimeter
lbs	pounds	>	greater than
lbs/ft ³	pounds per cubic foot	<	less than

acre-feet (AF). The volume of water that covers 1 acre to a depth of 1 foot; approximately 325,851 gallons.

adjudicate. To be determined by a court of law or judges.

advanced wastewater treatment (AWT). A process added to normal wastewater treatment processes to further reduce concentrations in constituents of concern.

alluvial groundwater. Shallow groundwater aquifer associated with a stream channel. In Colorado, alluvial groundwater is considered a tributary water source.

appropriation doctrine. The process of adjudicating water rights in Colorado. Rights are granted on a “first in time, first in right” basis.

aquifer. A geologic formation sufficiently permeable to yield water to wells and springs.

augmentation plan. A court-approved plan that sets forth methodologies to reuse water while keeping the stream system whole to protect other water rights.

base load water. Water use that is relatively consistent throughout the year. Coincides with indoor water use and is not dependent on weather (temperature, precipitation, etc.).

bedrock aquifer storage. The method of delivering water into the aquifer through wells so that water can be stored underground with no evaporative losses.

Best Management Practices (BMPs). Policies, practices, procedures, or structures implemented to mitigate the adverse environmental effects on surface water quality resulting from development BMPs are categorized as structural or non-structural.

big game. Larger species of wildlife that are hunted, such as elk, deer, bighorn sheep, and pronghorn antelope.

breccia. zones of broken up rock formed in fault zones

carry-over storage. The storage that remains in the reservoir after satisfying the demands on the reservoir. Carry-over storage is one of the primary functions of a reservoir to allow excess water to be captured in wet years, then stored for use in dry years.

cfs. CFS is an acronym for cubic feet per second. A cubic foot per second is one cubic foot of water passing by a single point for one second. It is the standard unit of measure for flowing water. A flow rate of one cfs would mean that 7.48 gallons passed by a point of reference in one second or 448.8 gallons of water in one minute.

colluvium. Accumulation of weathered materials often including rock fragments and soil

Colorado-Big Thompson Project. The Colorado-Big Thompson Project (C-BT) diverts Colorado River through a transmountain diversion to northeastern Colorado. The C-BT collects the headwaters of the Colorado River in Grand County and divert through the Alva B. Adams tunnel on the eastern end of Grand Lake to farms and cities in northeast Colorado. The C-BT is a complex system of reservoirs, pumps, pipelines, canals and other water structures for collecting and distributing water and generating hydroelectric power. The project was constructed in 1957.

confined aquifer. An aquifer that is confined under pressure greater than atmospheric by overlying relatively impermeable strata.

conjunctive use. The combined beneficial use of surface water and groundwater supplies by integrating the use of both systems, e.g., deep well injection of surface water supplies.

consumptive use. Consumptive use is the amount of water that does not return to its source after it has been diverted and put to

Glossary

beneficial use. Not all water is physically consumed when it is diverted. Unconsumed water that returns to a water supply through a municipal or industrial wastewater system or an irrigation system's tailwater is called return flow. Return flows are then available for other downstream water users.

cultural resources. Those fragile and nonrenewable remains of human activity, occupation, or endeavor reflected in districts, sites, structures, buildings, objects, artifacts, ruins, works of art, architecture, and natural features that were of importance in human events.

Cultural Resources Inventory Classes.

Class I. An existing data survey. This is an inventory of a study area to (1) provide a narrative overview of cultural resources by using existing information, (2) compile existing cultural resources information, and (3) compile existing cultural resources site record data on which to base the development of the BLM's site record system.

Class II. A sampling field inventory designed to locate, from surface and exposed profile indications, all cultural resource sites within a portion of an area so that an estimate can be made of the cultural resources for the entire area.

Class III. An intensive field inventory designed to locate, from surface and exposed profile indications, all cultural resource sites in an area. Upon its completion, no further cultural resources inventory work is normally needed.

cumulative effects. The collective and incremental effects on the environment of the project when added to other past, present, and reasonably foreseeable future actions. Cumulative effects are defined by the Council on Environmental Quality (CEQ) at 40 CFR 1508.7.

dam axis. The centerline of the dam.

dead pool. The dead pool in a reservoir represents the minimum volume at which a reservoir can function. Typically when a reservoir is at or below the contents in the dead pool, water cannot be released because the base of the outlet exceeds the water surface elevation.

decant. To draw off the clear water above potentially more turbid water.

decree. An official document issued by the court defining the priority, amount, use, timing and location of a water right.

dendrocalibrated. Correlating tree ring dates with carbon dates to convert carbon dates to the Christian calendar, i.e., BC or AD.

Denver Basin. A group of geologic formations that underlie a 6,700 square-mile area along the Front Range of Colorado and is comprised of four principal aquifers: the Dawson, Denver, Arapahoe, and Laramie-Fox Hills. This aquifer system provides municipal water supplies for many entities along the Front Range.

depletion. A depletion is the amount of water lost to a river system or aquifer when water is diverted from it.

effluent. The product water from the wastewater treatment process.

effluent storage. The storage of effluent in the reservoir.

endangered species. Any species which is in danger of extinction throughout all or a significant portion of its range.

Environmental Impact Statement (EIS). A formal public document prepared to analyze the impacts on the environment of a proposed project or action and released for comment and review. An EIS must meet the requirements of NEPA, CEQ guidelines, and directives of the agency responsible for the proposed project or action.

ephemeral stream. An ephemeral stream has flowing water only during, and for a short duration after, precipitation events in a typical year. Ephemeral stream beds are located above the water table year-round. Groundwater is not a resource of water for the stream. Runoff from rainfall is the primary source of water for stream flow.

exchange. An exchange is an agreement between parties where water can be diverted or stored at one point, in exchange for an equivalent amount of water being released or bypassed at another point on a river system. In an exchange, the diversion or storage of water and the release or bypass of water from another point must occur simultaneously to prevent injury to other water users.

firm yield. The measure of a water collection system's ability to reliably supply water to meet demand during drought periods.

gaining reach. The description of stream or river reaches that receive water from an underlying aquifer.

impact. The effect, influence, alteration, or imprint caused by an action.

injury. Injury is the act of depriving a senior water right owners of their full water right. New water rights, changes of water rights, exchange and substitution agreements are only allowed if they do not injure other water users or uses.

in-priority. A legal term in the Colorado Appropriations System that denotes a time when water can legally be taken from a river by an existing water right. Conversely, out-of-priority is used to denote the time when water cannot legally be taken from a river by an existing water right (without augmentation).

intermittent stream. An intermittent stream has flowing water during certain times of the

year, when groundwater provides water for stream flow. During dry periods, intermittent streams may not have flowing water. Runoff from rainfall is a supplemental source of water for stream flow.

lawn irrigation return flow (LIRF). The portion of water that is applied to residential lawns but is not consumed by the grass.

losing reach. The description of stream or river reaches that feeds water to an underlying aquifer.

mitigation. Alleviation or lessening of possible adverse effects on a resource by applying appropriate protective measures. Adverse effects can be rectified by either repairing, rehabilitating, or restoring affected environment and through compensation of the adverse effects by replacing or providing substitute resources or environments.

National Environmental Policy Act of 1969 (NEPA). Public Law 91-190. Establishes environmental policy for the nation. Among other items, NEPA requires federal agencies to consider environmental values in decision-making processes.

National Register of Historic Places (National Register, NRHP). A listing of architectural, historical, archaeological, and cultural sites of local, state, or national significance, established by the Historic Preservation Act of 1966 and maintained by the National Park Service.

NRHP Eligibility Determinations per Section 106 of the National Historic Preservation Act:

No Determination. An evaluation of NRHP eligibility has not been made by either the SHPO or the field recorder.

Listed on NRHP. Property has been formally nominated and listed on the NRHP.

Officially Eligible. Property has been determined eligible for listing on the NRHP by the SHPO.

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Field Needs Data. Property has been recommended to need additional data by the recorder, but SHPO concurrence has not been obtained.

Field Not Eligible. Property has been recommended to be not eligible for the NRHP by the recorder, but SHPO concurrence has not been obtained.

Non-Contributing Segment/ Officially Eligible. Portion of site documented has been determined to be a non-contributing segment of a property that has otherwise been determined by the SHPO to eligible for the NRHP.

Normal water surface elevation. In hydrologic terms, the lowest crest level of overflow on a reservoir with a fixed overflow level (spillway crest elevation). For a reservoir whose outflow is controlled wholly or partly by movable gates, siphons, or other means, it is the maximum level to which water may rise under normal operating conditions, exclusive of any provision for flood surcharge

Listed on the State Register. Property has been formally nominated and listed on the State Register of Historic Places.

Officially Eligible to the State Register. Property has been determined eligible for listing on the State Register of Historic Places by the SHPO.

Centennial Farm. An evaluation of NRHP eligibility has not been made by either the SHPO or the field recorder, but the property is commemorated as a farm that has been within the same family for at least 100 years.

ogee-crested spillway. A dam spillway that has an “S” curved shape in cross-section. Gross Dam has an ogee-crested spillway section.

out-of-priority. A legal term in the Colorado Appropriations System that denotes a time when water cannot legally be taken from a river by an existing water right (without augmentation). Conversely, in-priority is used to denote the time when water can legally be taken from a river by an existing water right.

paleontological resource. A site containing non-human life of past geological periods, usually in the form of fossil remains.

perennial stream. A perennial stream has flowing water year-round during a typical year. The water table is located above the stream bed for most of the year. Groundwater is the primary source of water for stream flow. Runoff from rainfall is a supplemental source of water for stream flow.

potable water. Water supplies that meet all applicable drinking water standards.

potentiometric surface. The water level elevation that coincides with the hydrostatic pressure level of the water in the aquifer.

priority system. The priority system was established when Colorado was still a territory to solve disputes over ownership and use of water. The system prioritizes use of water based upon who used water first. Those who put water to beneficial use first retain the senior right to continue using that water before newer users. When there is not enough water to satisfy all of the water users, the junior, or most recent user, must curtail or forego use until senior rights are fulfilled.

probable maximum flood (PMF). The maximum runoff condition resulting from the most severe combination of hydrologic and meteorologic conditions that are considered reasonably possible for the drainage basin under study.

raptor. Bird of prey with sharp talons and strongly curved beaks, e.g., hawks, owls, vultures, eagles.

raw water. Surface water or groundwater in its natural state, prior to treatment. Finished water has been treated and is ready to be delivered to customers.

reserve pool. A volume of water that is maintained in a reservoir under normal circumstances and is available as an emergency water supply under extreme drought conditions.

return flow. Water that returns to streams and rivers after it has been put to use is called a return flow. In most cases when water is used, not all of it is consumed and the remainder is returned to lakes, rivers or streams. When irrigating fields, for example, some water will typically flow off the land, referred to as tail water, and return to a waterway. Another portion will return after seeping into the ground, slowly percolating back to streams as groundwater.

riparian. Riparian areas are a form of wetland transition between permanently saturated wetlands and upland areas. These areas exhibit vegetation or physical characteristics reflective of permanent surface or subsurface water influence. Normally describes plants of all types that grow rooted in the water table or subirrigation zone of streams, ponds, and springs.

riparian/aquatic system. Interacting system between aquatic and terrestrial situations. Identified by a stream channel and distinctive vegetation that requires or tolerates free or unbound water.

scoping process. An early and open public participation process for determining the scope of issues to be addressed and for identifying the significant issues related to a proposed action.

shears. Breaks in the rock that show evidence of movement, although the amount and direction of movement are not discernable.

significant. An action that is analyzed in the context of the proposed action and the severity of the effects either beneficial or adverse. Significance exists when the effects on the quality of the environment are likely to be highly controversial.

strategic water reserve. A water supply reserve to help protect against uncertainties in planning and emergencies in operating water supply infrastructure. It can also be termed “safety factor.”

stream reach. A defined, continuous segment of a stream.

substitution. Similar to an exchange, a substitution involves taking water from one point of diversion while releasing water from another source to satisfy downstream senior rights. In a substitution, the diversion and the release do not happen at the same time. Substitutions occur mostly between reservoirs. Instead of releases of water occurring at the same time as the diversion, releases will take place at specified times in the future or as calls come on the river and the demands necessitate releases.

terminal storage. A facility which provides final water storage prior to use.

threatened species. Any species or a significant population of that species likely to become endangered within the foreseeable future throughout all or a significant portion of its range.

transbasin/transmountain diversion. A transbasin diversion is the removal of water from one river basin to another river basin. A transmountain diversion is the removal and transport of water across the Continental Divide. These diversions of water are 100% consumptive since no water from the diversion will return to the basin of origin's waters as return flow.

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tributary water. In Colorado, considered to be waters of the state that are subject to the Colorado appropriation doctrine.

unconfined aquifer. An aquifer in which the water table varies depending on areas of recharge and discharge, pumpage from wells and permeability, and is at atmospheric pressure.

vegetation type. A plant community with immediately distinguishable characteristics based upon and named after the apparent dominant plant species.

visual resources. The visible physical features on a landscape (topography, water, vegetation, animals, structures, and other features) that comprise the scenery of the area.

Water Court. Water Court is the mechanism by which water rights are adjudicated and therefore officially

recognized by the State of Colorado. Water judges are district judges appointed by the Colorado Supreme Court and have jurisdiction in the determination of water rights, the use and administration of water, and all other water matters within the jurisdiction of the water divisions.

Windy Gap Project. The Windy Gap Project is located just west of the Town of Granby in Grand County, Colorado. It consists of a diversion dam on the Colorado River that creates the 445-acre-foot Windy Gap Reservoir, a pumping plants, and a 6-mile pipeline to Lake Granby. Water is pumped from the reservoir to Lake Granby, where it is stored for delivery to northeastern Colorado through the Colorado-Big Thompson (C-BT) Project facilities.

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