

## Colorado Basin Plan End of Chapter Exhibits

**Exhibit 7-1. in text**

**Exhibit 7-2. in text**

Exhibit 7-3. Colorado River Basin and Major Tributaries

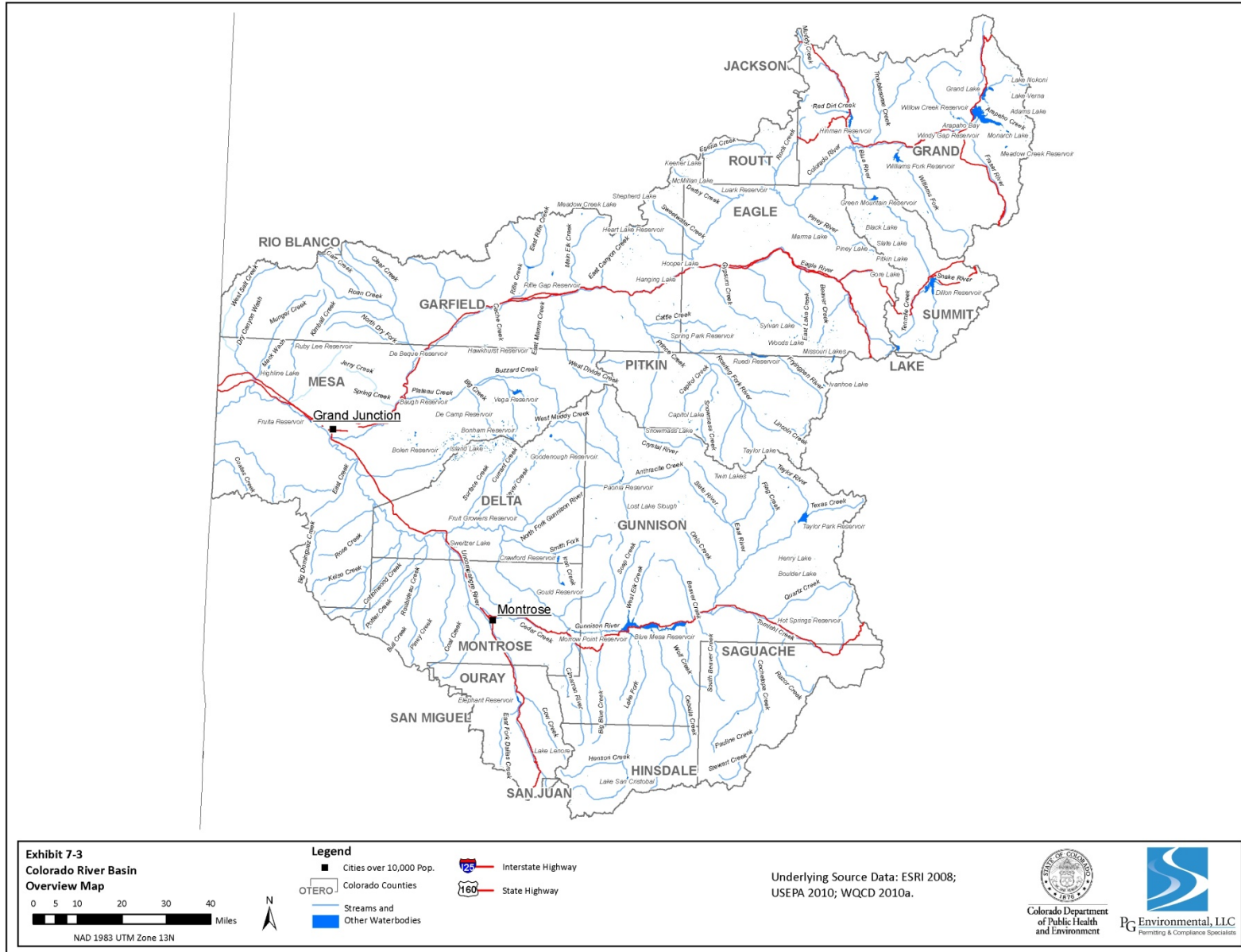


Exhibit 7-4. Colorado River Basin Level III Ecoregions

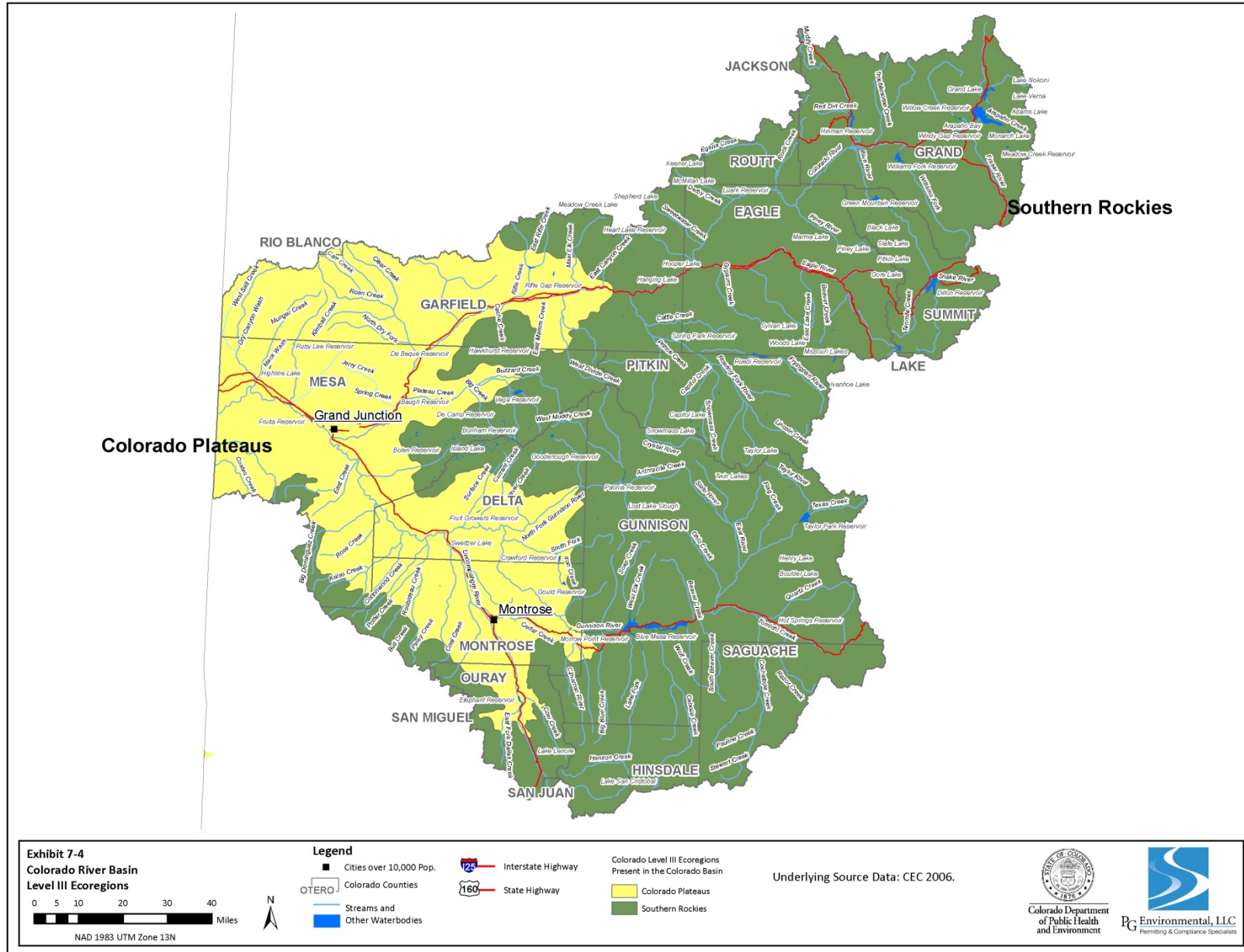




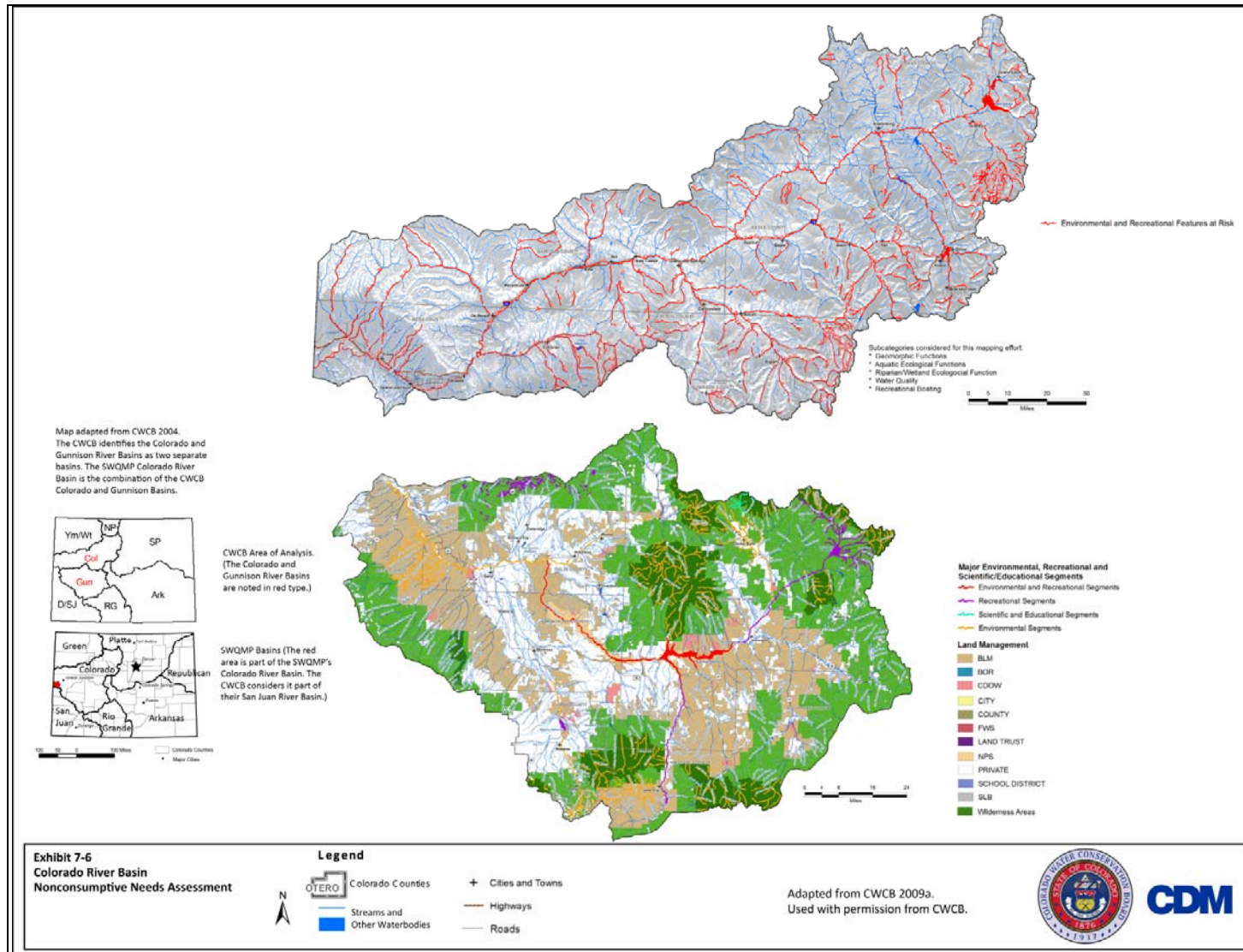
Exhibit 7-5. Colorado River Basin Endangered and Threatened Species

Species		Status	
		Federal	State
<b>Endangered Species</b>		<b>Federal</b>	<b>State</b>
Fish	Colorado Pikeminnow ( <i>Ptychocheilus lucius</i> )	√	On state threatened list
	Razorback Sucker ( <i>Xyrauchen texanus</i> )	√	√
	Bonytail Chub ( <i>Gila elegans</i> )	√	√
	Humpback Chub ( <i>Gila cypha</i> )	√	On state threatened list
Birds	Whooping Crane ( <i>Grus americana</i> )	√	√
	Least Tern ( <i>Sterna antillarum</i> )	√	√
	Southwestern Willow Flycatcher ( <i>Empidonax traillii extimus</i> )	√	√
Mammals	Lynx ( <i>Lynx Canadensis</i> )	On federal threatened list	√
	Wolverine ( <i>Gulo gulo</i> )		√
	Kit Fox ( <i>Vulpes macrotis</i> )		√
	Black-footed Ferret ( <i>Mustela nigripes</i> )	√	√
Plants	Milk-vetch	√	
	Penland Beardtongue ( <i>Penstemon penlandii</i> )	√	
	Clay-loving Wild-buckwheat ( <i>Eriogonum pelinophilum</i> )	√	
<i>Total Endangered Species</i>		11	9
<b>Threatened Species</b>		<b>Federal</b>	<b>State</b>
Fish	Colorado Pikeminnow ( <i>Ptychocheilus lucius</i> )	On federal endangered list	√
	Humpback Chub ( <i>Gila cypha</i> )	On federal endangered list	√
Birds	Bald Eagle ( <i>Haliaeetus leucocephalus</i> )	√	√
	Mexican Spotted Owl ( <i>Strix occidentalis lucida</i> )	√	√
	Burrowing Owl ( <i>Athene cunicularia</i> )		√
Mammals	Lynx ( <i>Lynx Canadensis</i> )	√	On state endangered list
	River Otter ( <i>Lontra canadensis</i> )		√
Plants	Penland Alpine Fen Mustard ( <i>Eutrema penlandii</i> )	√	
	Uinta Basin Hookless Cactus ( <i>Sclerocactus glaucus</i> )	√	
<i>Total Threatened Species</i>		5	6
<b>State Species of Special Concern (not a statutory category)</b>		<b>Federal</b>	<b>State</b>
Fish	Colorado River Cutthroat Trout ( <i>Oncorhynchus clarki pleuriticus</i> )		√
	Mountain Sucker ( <i>Catostomus playtrhynchus</i> )		√
	Iowa Darter ( <i>Etheostoma exile</i> )		√
	Rio Grande Chub ( <i>Gila Pandora</i> )		√

Species		Status	
		Federal	State
	Colorado Roundtail Chub ( <i>Gila pandora</i> )		√
Amph.	Wood Frog ( <i>Rana sylvatica</i> )		√
	Northern Leopard Frog ( <i>Rana pipiens</i> )		√
Reptiles	Midget Faded Rattlesnake ( <i>Crotalus viridis concolor</i> )		√
	Longnose Leopard Lizard ( <i>Gambelia wislizenii</i> )		√
Birds	Greater Sandhill Crane ( <i>Crus Canadensis tabida</i> )		√
	Gunnison Sage Grouse ( <i>Centrocercus minimus</i> )		√
	American Peregrine Falcon ( <i>Falco peregrinus anatum</i> )		√
	Mountain Plover ( <i>Charadrius montanus</i> )		√
	Western Yellow-billed Cuckoo ( <i>Coccyzus americanus</i> )		√
	Ferruginous Hawk ( <i>Buteo regalis</i> )		√
	Greater Sage Grouse ( <i>Centrocercus urophasianus</i> )		√
	Western Snowy Plover ( <i>Charadrius alexandrinus</i> )		√
	Long-billed Curlew ( <i>Numenius americanus</i> )		√
Mammals	Townsend's Big-eared Bat ( <i>Corynorhinus townsendii pallescens</i> )		√
	Botta's Pocket Gopher ( <i>Thomomy bottae rubidus</i> )		√
	Northern Pocket Gopher ( <i>Thomomys talpoides macrotis</i> )		√
	<i>Total State Species of Special Concern</i>	NA	21
<b>Federal Candidate Species</b>		<b>Federal</b>	<b>State</b>
Plants	DeBeque Phacelia ( <i>Phacelia submutica</i> )	√	
	<i>Total Federal Candidate Species</i>	1	NA

Sources: CDOW 2010; CWCB 2004.

Exhibit 7-6. Colorado River Basin Nonconsumptive Needs Assessment<sup>1</sup>



<sup>1</sup> The nonconsumptive needs assessment map focuses on environmental and recreational areas for the following purposes: (1) to serve as a guide for water supply planning to avoid future conflicts over environmental and recreational needs; (2) to assist in identifying environmental and recreational water needs status; (3) to help basins plan for the water needs of species of special concern; and (4) to provide opportunity for collaborative efforts for future multi-objective projects. There is a separate map for the CWCB Colorado and another for the CWCB Gunnison. The two maps are integrated into this exhibit. The CWCB Colorado map was developed using stream and individual lake segments. Unlike other CWCB nonconsumptive needs assessment maps, the CWCB Colorado map shows waterbodies that are considered at environmental or recreational risk. The subcategories of environmental and recreational uses associated with the Colorado Basin are shown in the Colorado Basin section of the exhibit. The CWCB Gunnison Basin map was developed using stream and individual lake segments. The subcategories of environmental and recreational uses associated with the Gunnison Basin are shown in the exhibit. Additional information on the environmental and recreational areas included in both the CWCB Colorado and CWCB Gunnison maps can be found in appendix D of CWCB 2009a.

Exhibit 7-7. Colorado River Basin Precipitation

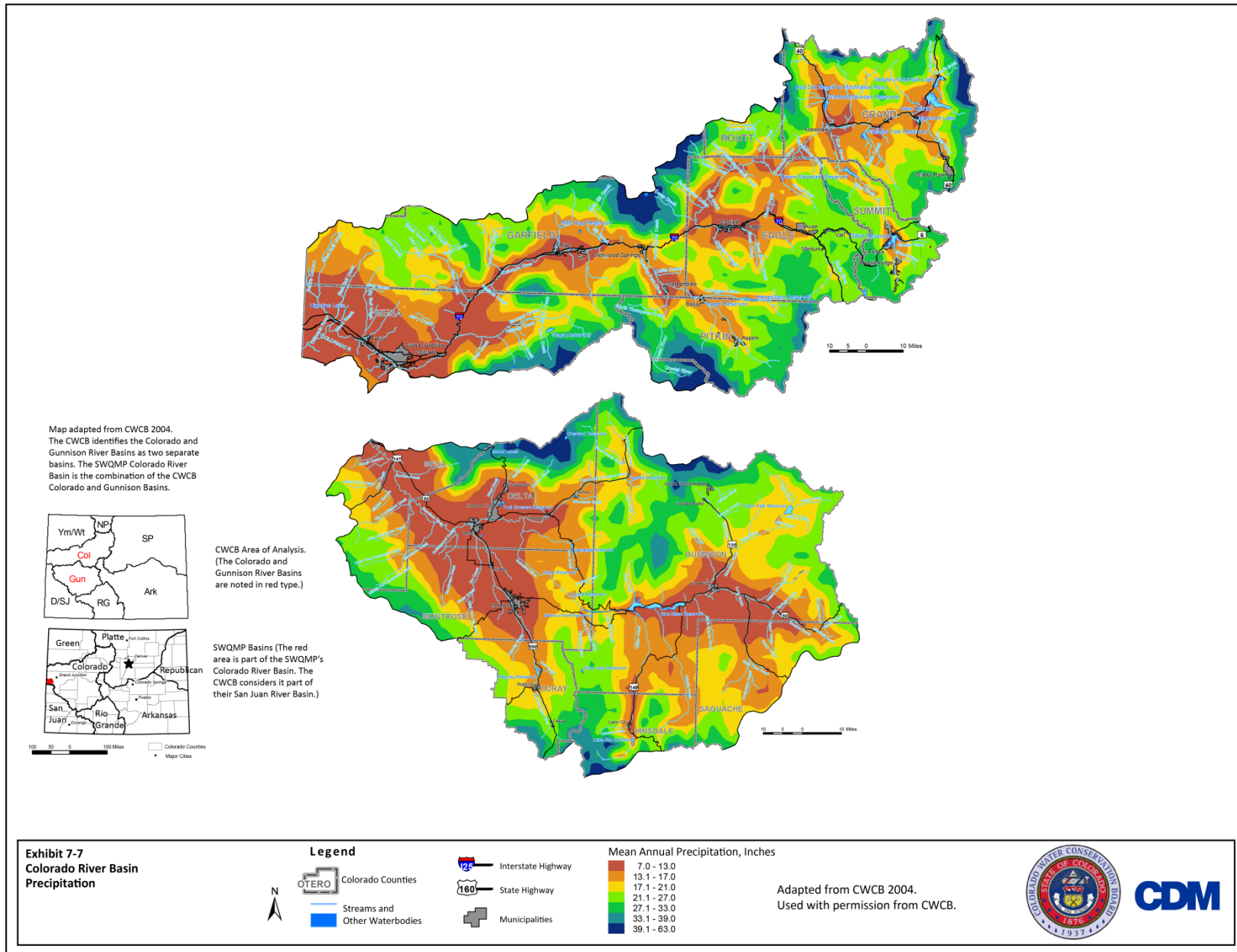




Exhibit 7-8. Colorado River Basin Land Ownership

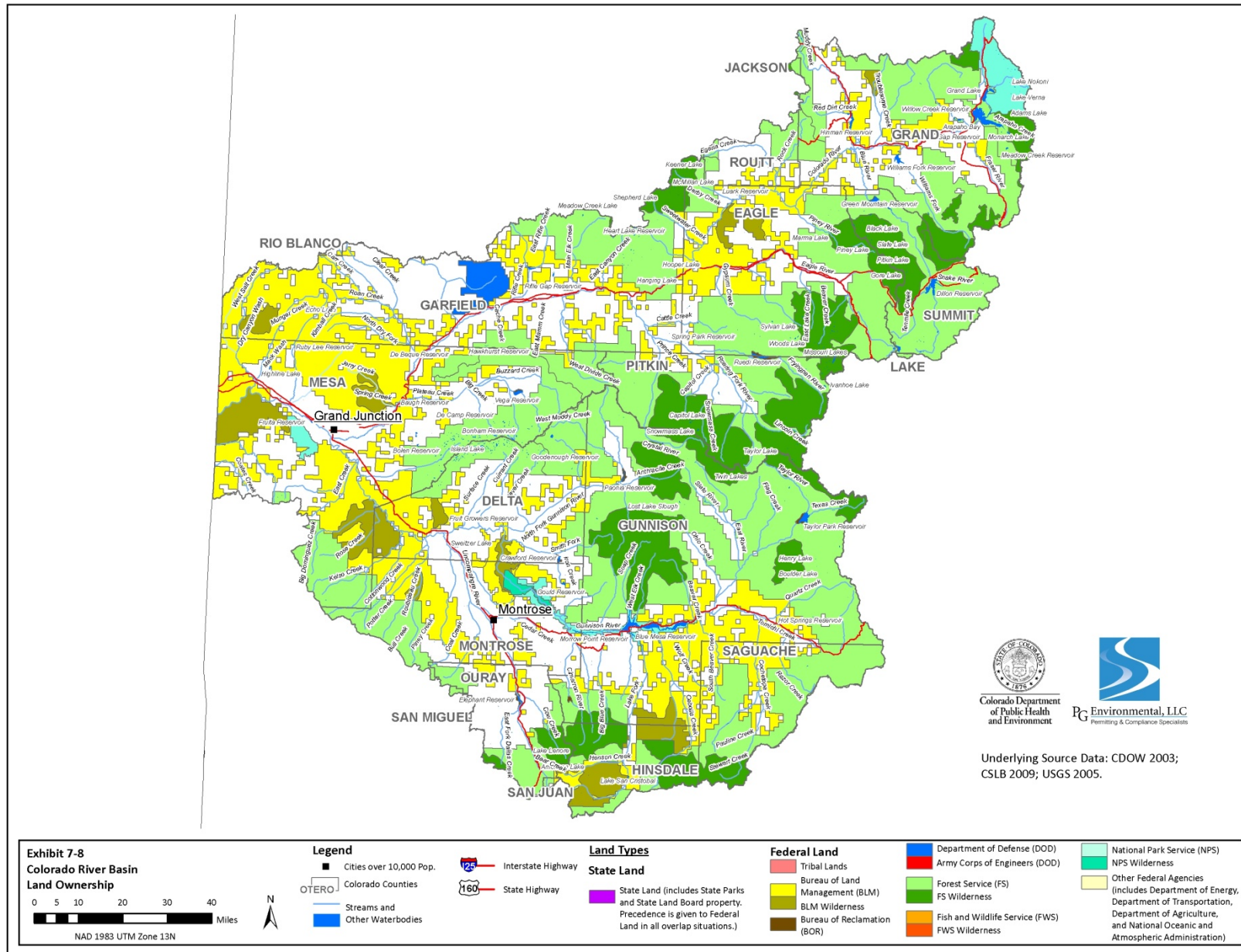
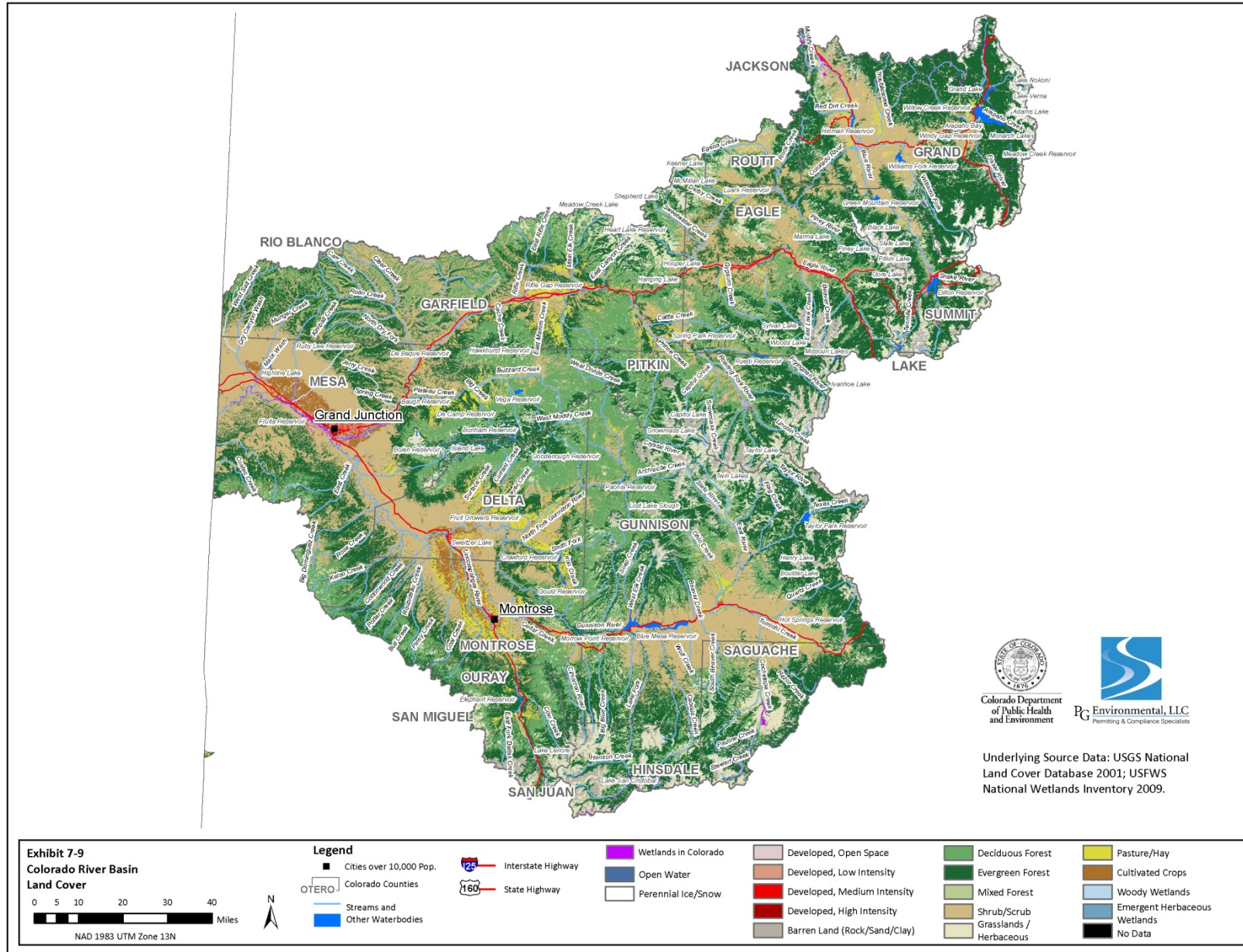


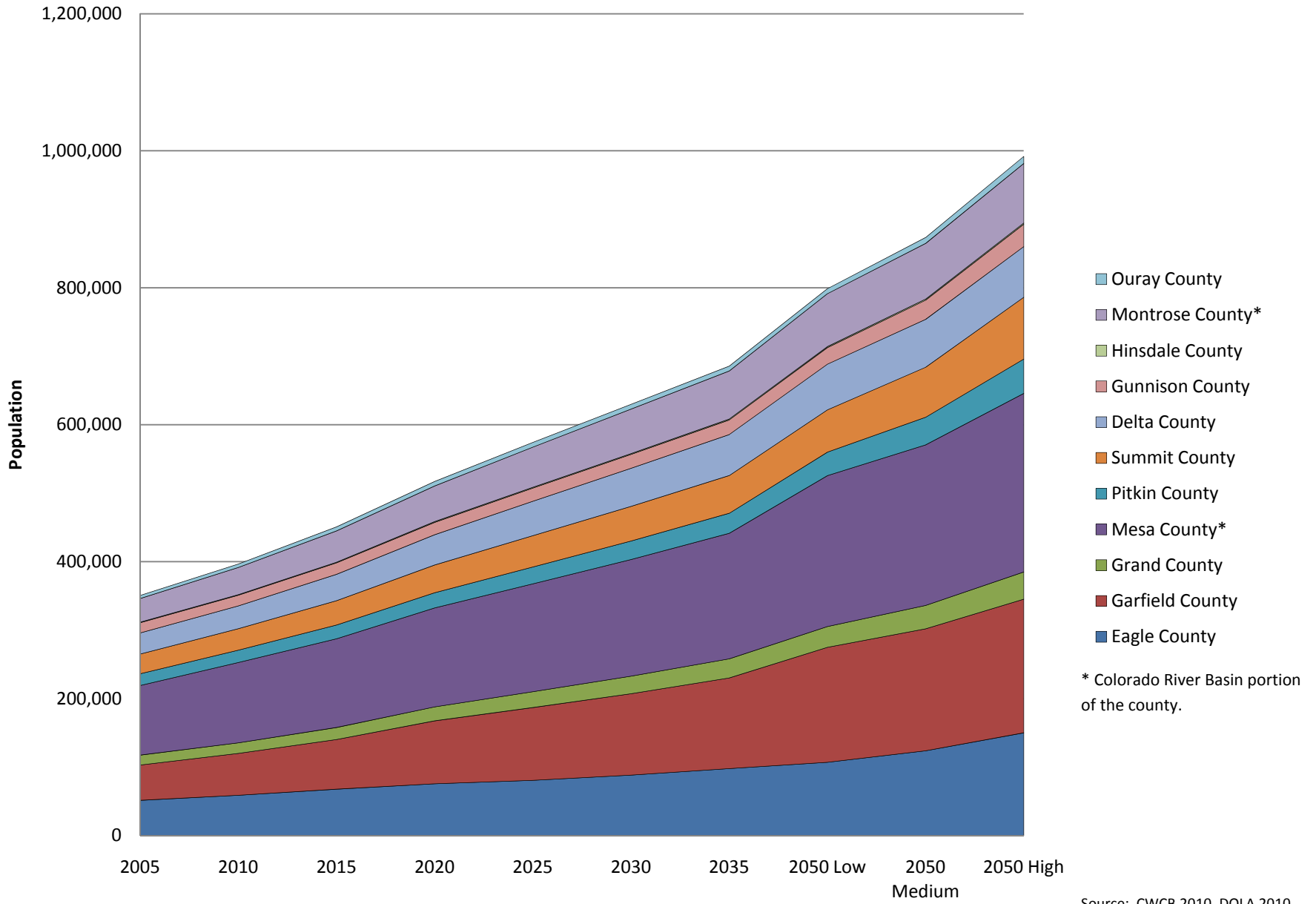
Exhibit 7-9. Colorado River Basin Land Cover



**Exhibit 7-10 in text.**



Exhibit 7-11. Colorado River Basin Population Projections

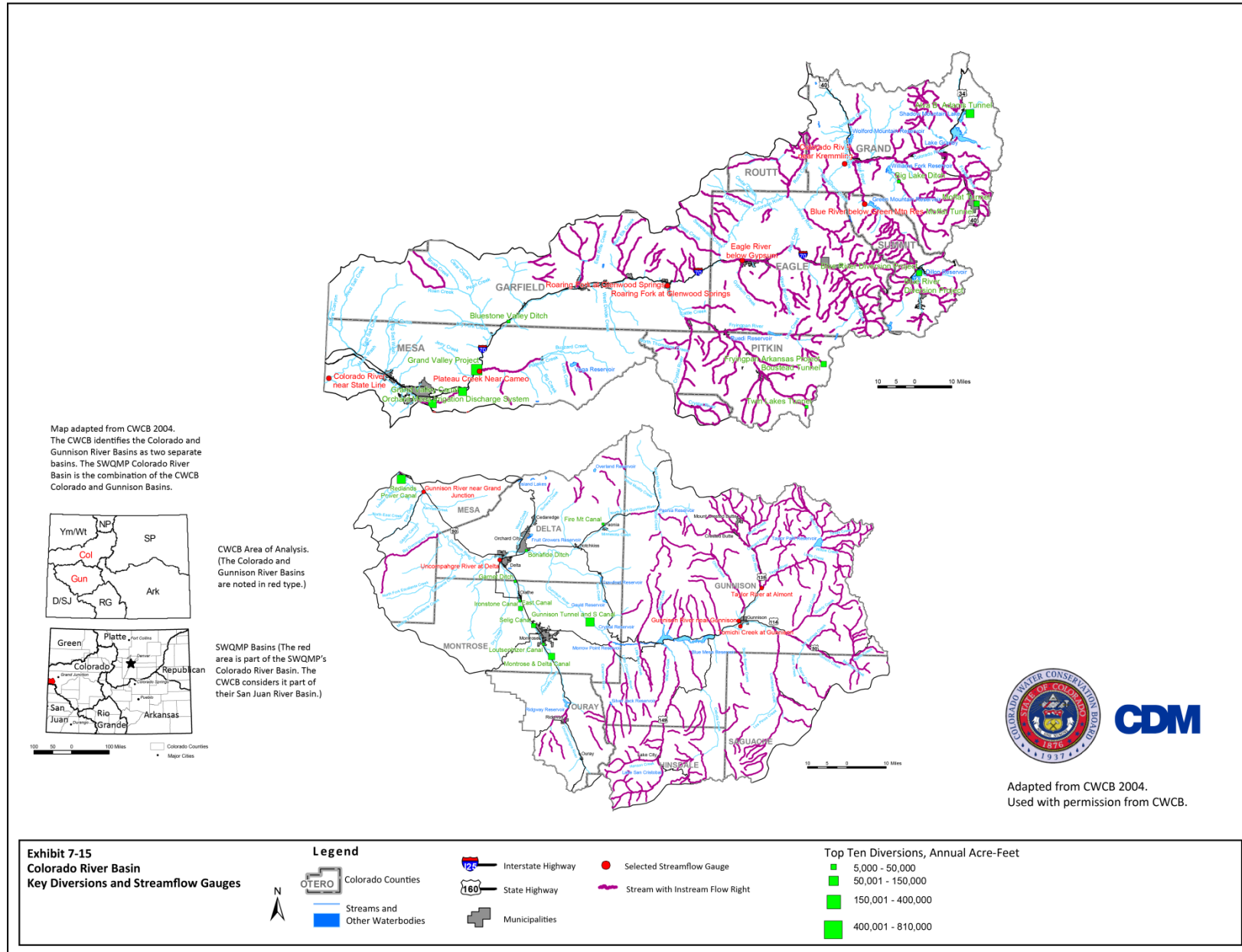


**Exhibit 7-12. in text**

**Exhibit 7-13. in text**

**Exhibit 7-14. in text**

Exhibit 7-15. Colorado River Basin Key Diversions and Streamflow Gauges



Adapted from CWCB 2004. Used with permission from CWCB.

Exhibit 7-16. Colorado River Basin Wells and Aquifers

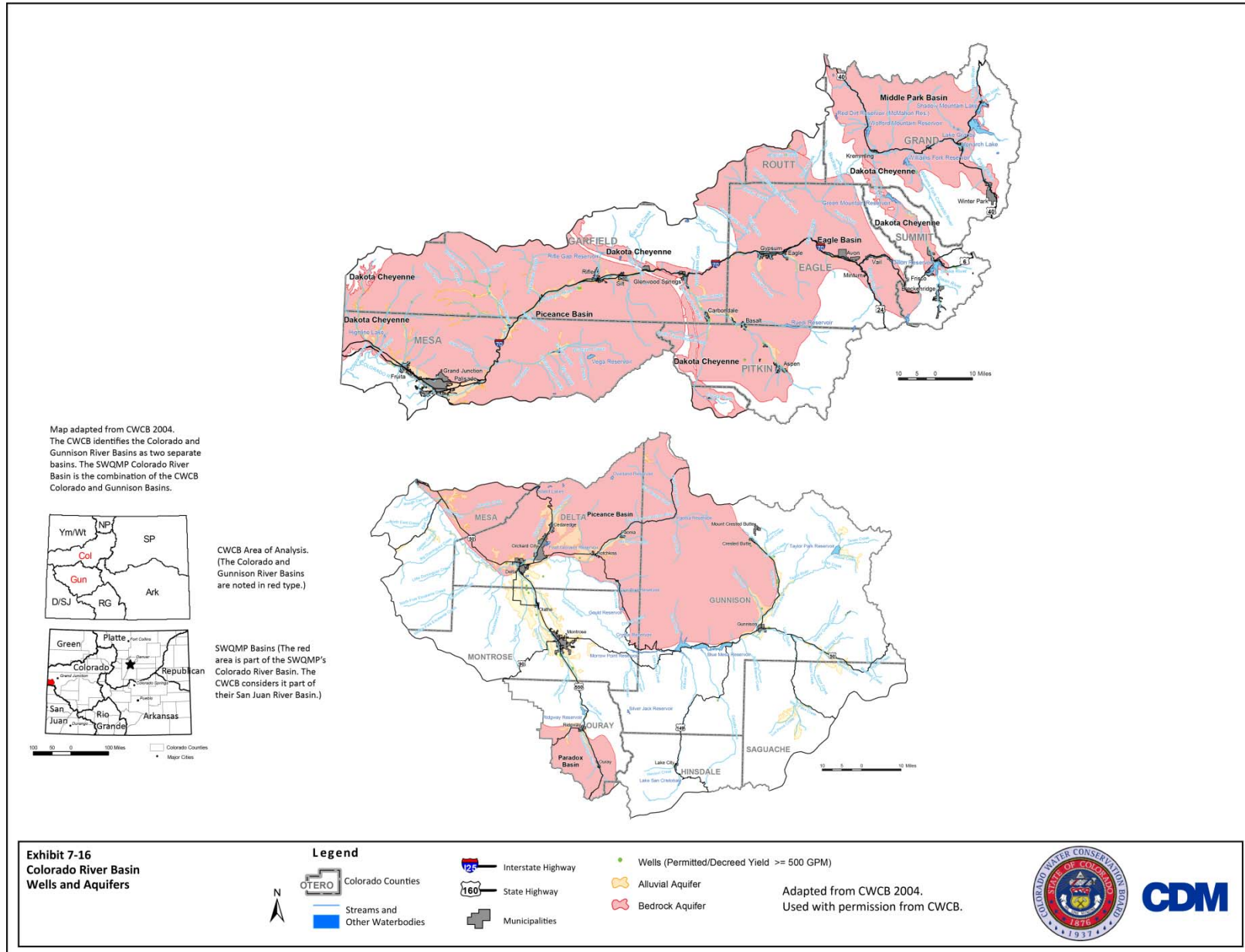


Exhibit 7-17. Upper Colorado River Sub-Basin Classified Waterbody Segments

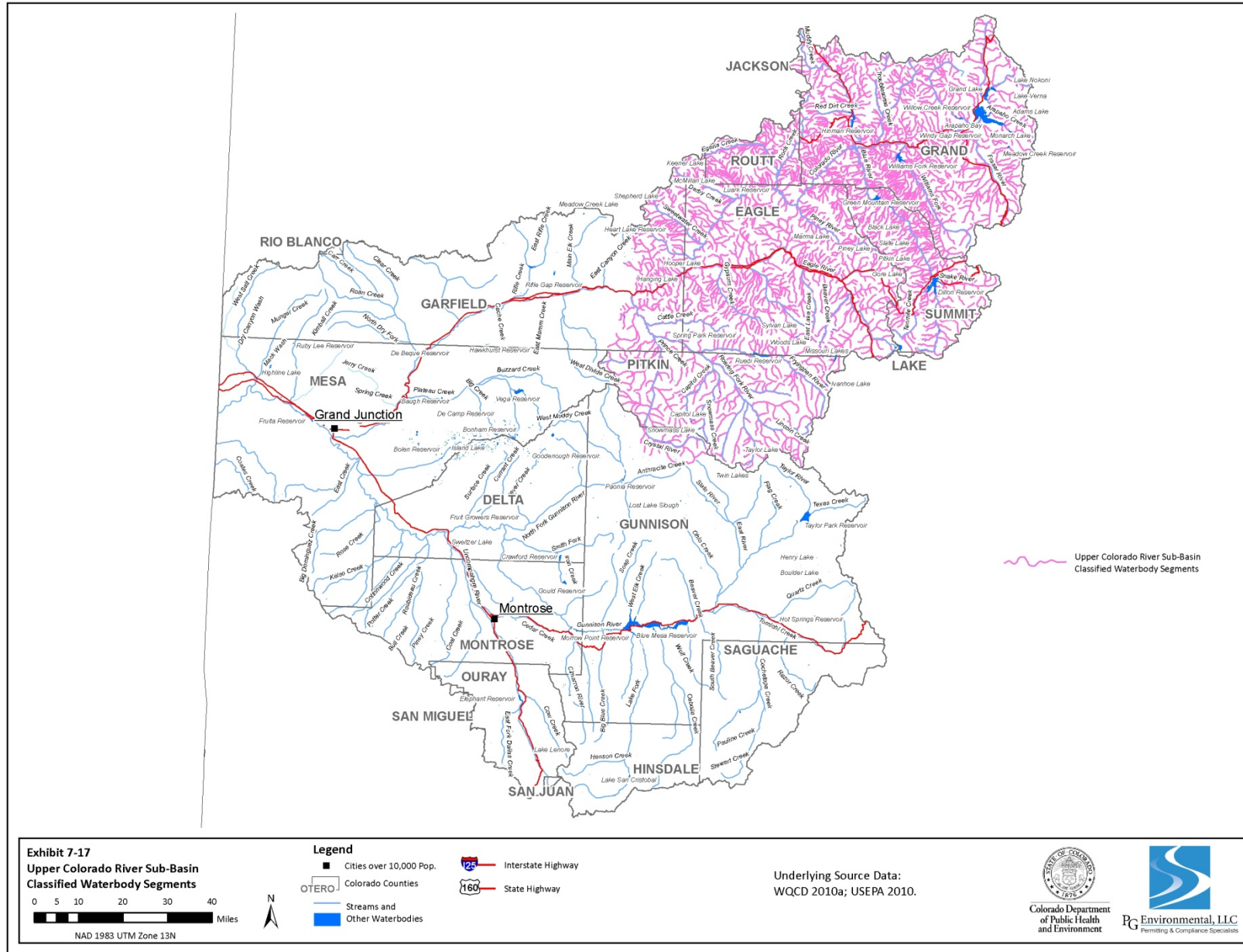




Exhibit 7-18. Lower Colorado River Sub-Basin Classified Waterbody Segments

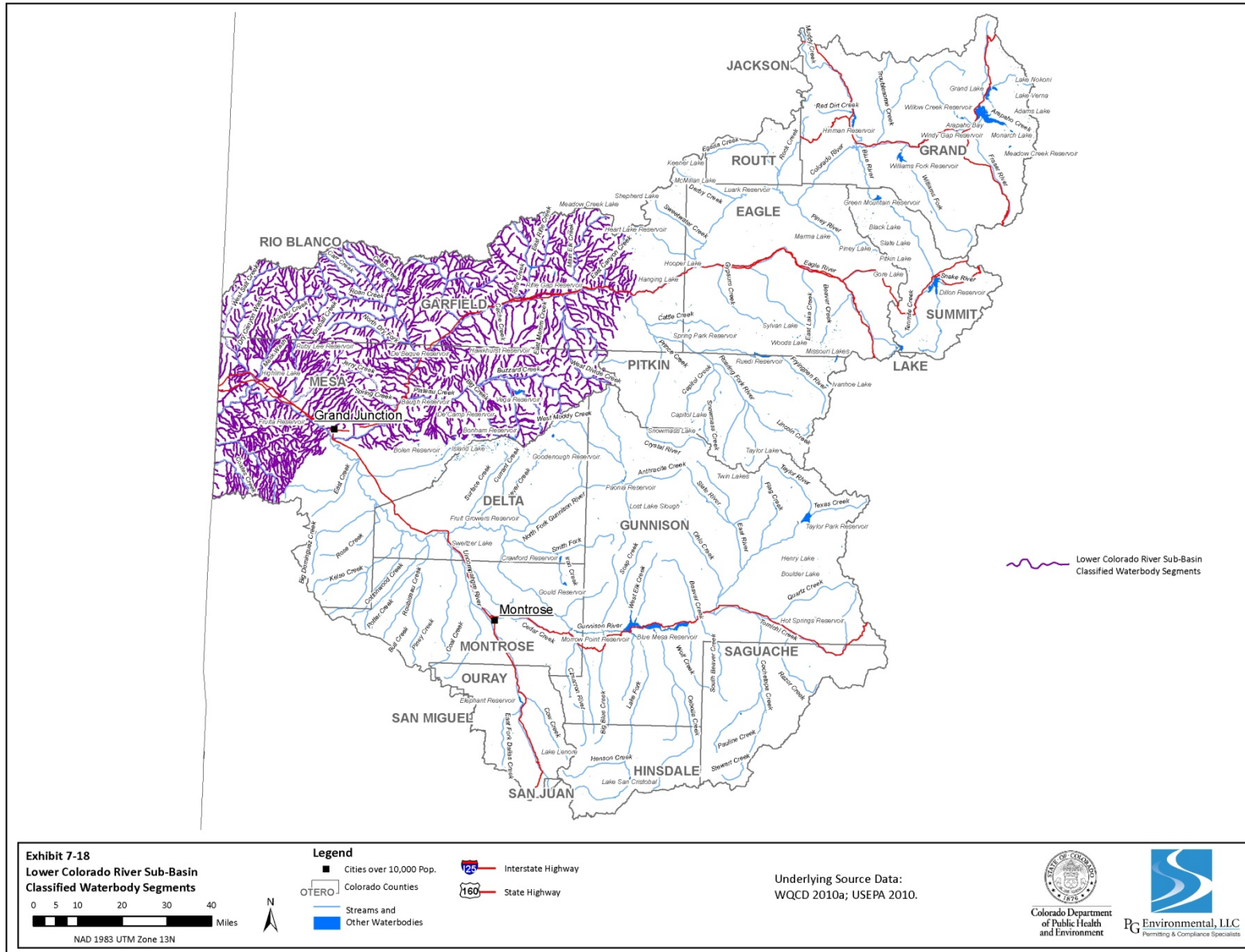


Exhibit 7-19. Upper Gunnison River Sub-Basin Classified Waterbody Segments

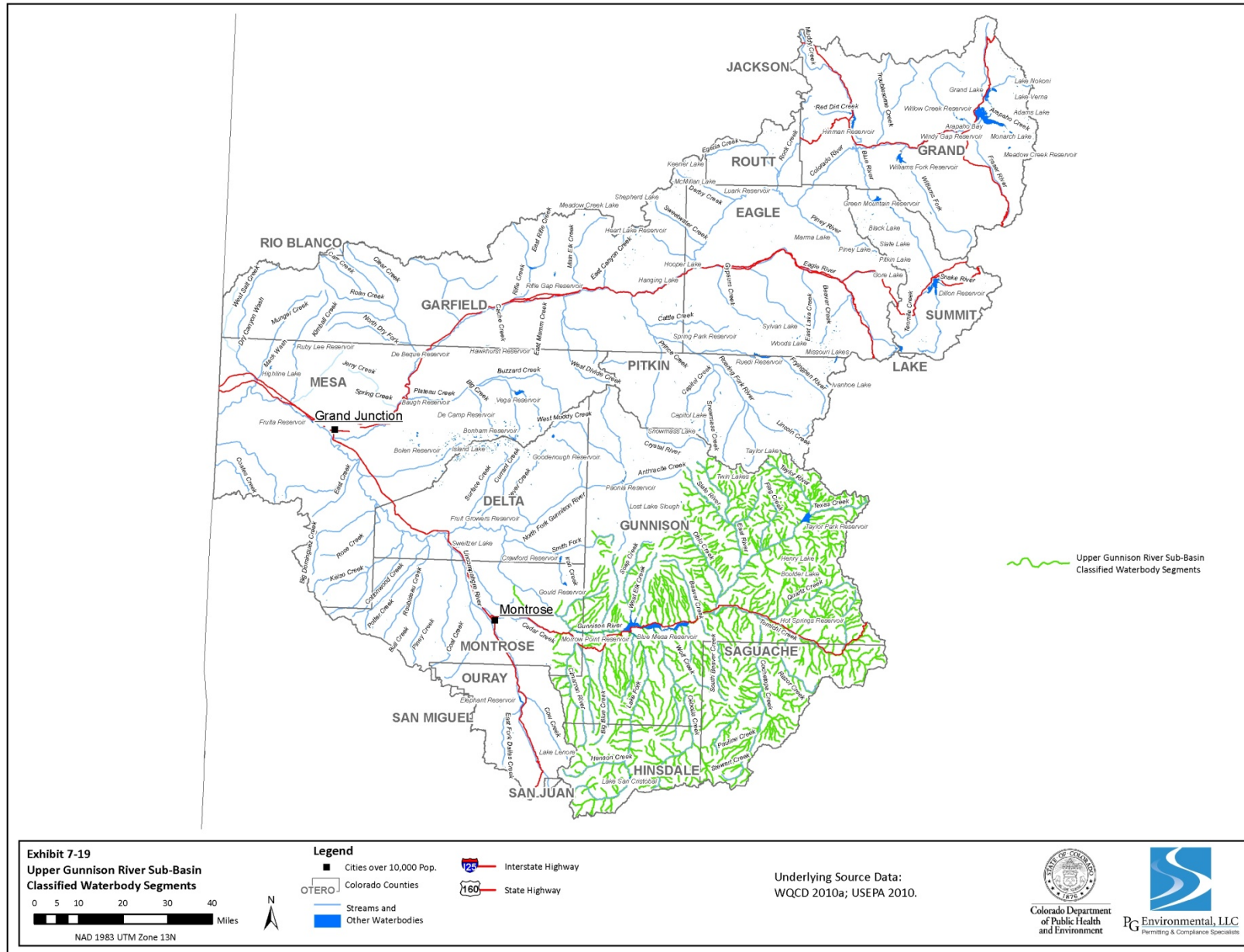
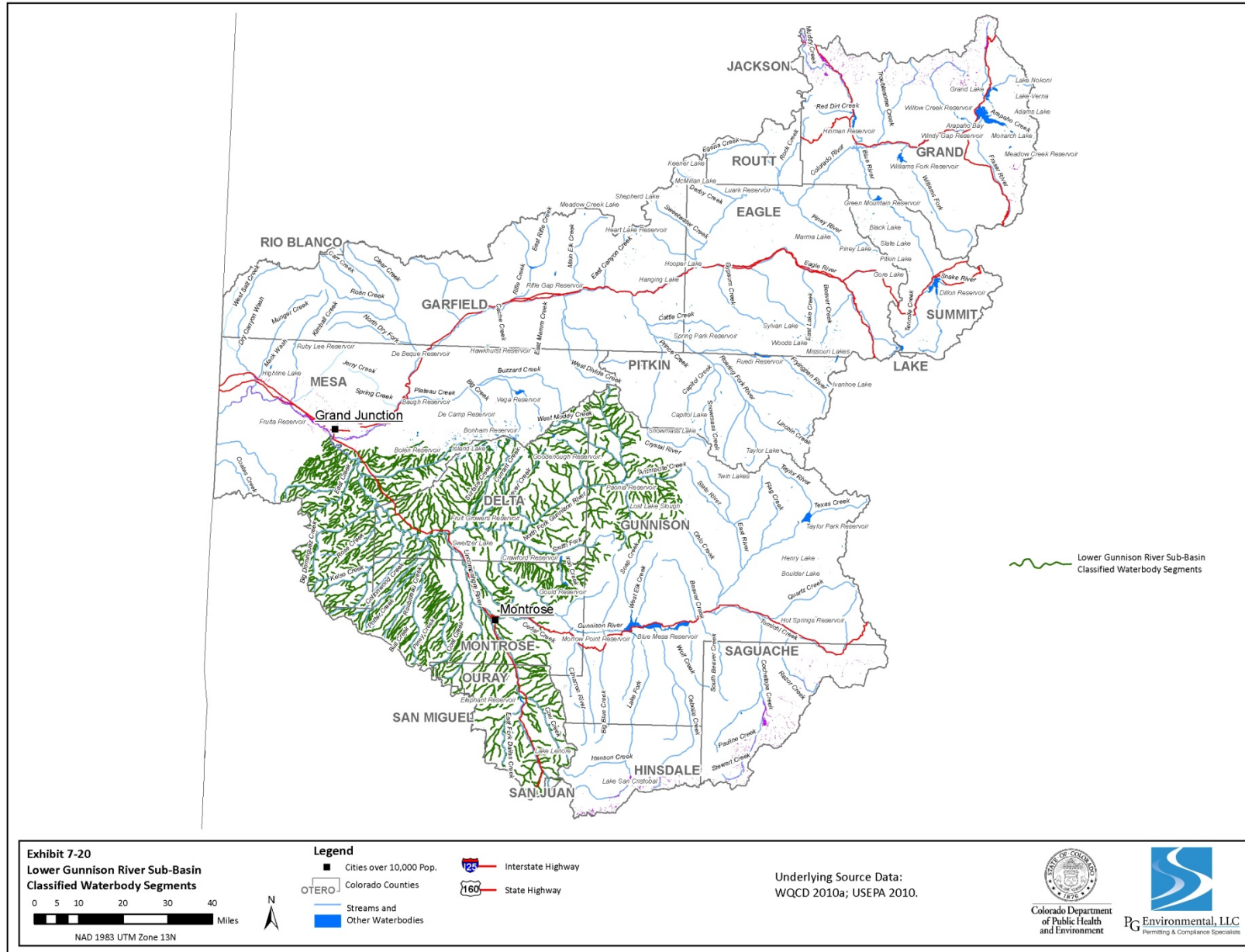




Exhibit 7-20. Lower Gunnison River Sub-Basin Classified Waterbody Segments



**Exhibit 7-21. Colorado River Basin Use Classifications for Waterbody Segments**

Sub-Basin	Aquatic Life				Recreation				Water Supply	Agriculture	Designations	
	Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			Outstanding Waters	Use Protected
<b>Upper Colorado</b>												
Segments (n=76)	71	5	0	0	63	5	8	0	69	75	11	4
Miles (n=6,591.88)	6,543.65	48.23	0	0	5,498.11	339.38	754.39	0	6,543.59	6,585.94	932.26	34.55
<b>Lower Colorado</b>												
Segments (n= 43)	22	10	7	4	18	12	12	1	28	42	3	2
Miles (n=4,553.59)	1,805.56	468.43	306.40	1,973.20	2,466.90	1,663.53	423.16	0	2,304.33	4,549.99	74.60	1,968.60
<b>Upper Gunnison</b>												
Segments (n=33)	28	5	0	0	22	1	0	10	28	33	3	1
Miles (n=3,334.22)	2,996.21	338.01	0	0	1,260.32	0.70	0	2,073.20	3,283.18	3,334.22	400.50	1.71
<b>Lower Gunnison</b>												
Segments (n=44)	21	7	2	13	27	8	13	0	24	44	3	15
Miles (n=4,163.16)	1,851.60	219.21	60.00	2,026.63	1,748.62	632.01	2,071.83	0	3,183.07	4,163.16	209.24	2,073.15
<b>Totals Basin-Wide</b>												
Segments (n=196)	142	27	9	17	130	26	33	11	149	194	20	22
Segments as Percent of Total	72%	14%	5%	9%	66%	13%	17%	6%	76%	99%	10%	11%
Miles (n=18,642.85) <sup>1</sup>	13,197.02	1,073.88	366.40	3,999.83	10,973.95	2,635.62	3,249.38	2,073.20	15,314.17	18,633.31	1,616.60	4,078.01
Miles as Percent of Total <sup>1</sup>	71%	6%	2%	21%	59%	14%	17%	11%	82%	99.9%	9%	22%

<sup>1</sup> Lake acres are not shown.

Sources: WQCC 2010a, 2010b, 2010c; WQCD 2010a.

Exhibit 7-22. Upper Colorado River Sub-Basin Use Classifications by Waterbody Segment

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
<b>Upper Colorado (COUCUC)</b>													
1	Mainstem of the Colorado River, including all tributaries and wetlands, within Rocky Mountain National Park, or which flow into Rocky Mountain National Park.	123.30	•				•				•	•	OW <sup>2</sup>
2	Mainstem of the Colorado River, including all tributaries and wetlands within, or flowing into, Arapaho National Recreation Area.	106.70	•				•				•	•	
3	Mainstem of the Colorado River from the outlet of Lake Granby to the confluence with Roaring Fork River.	133.60	•				•				•	•	
4	All tributaries to the Colorado River, including all wetlands, from the outlet of Lake Granby to the confluence with the Roaring Fork River, that are on National Forest lands, except for those tributaries included in Segments 1 and 2, and specific listings in Segments 8, 9, and 10a.	920.00	•				•				•	•	
5	All lakes and reservoirs tributary to the Colorado River, from the boundary of Rocky Mountain National Park and Arapaho National Recreation Area to a point immediately below the confluence with the Roaring Fork River, that are not on National Forest lands, except for specific listing in Segments 11 and 12.	3	•				•				•	•	
6a	All tributaries to the Colorado River, including all wetlands, from the source to a point immediately above the confluence with the Blue River and Muddy Creek, that are not on National Forest lands, except for specific listings in Segments 1, 2, 4, 5, 6b, 6c, 8, 9, and 10a-c.	303.10	•					•			•	•	
6b	Mainstem of un-named tributary from the headwaters (Sec 32, T3N, R76W) to Willow Creek Reservoir Road (Section 8, T2N, R76W).	3.44		•						•		•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
6c	Mainstem of unnamed tributary to Willow Creek from the Willow Creek Reservoir Rd (Sec. 8, T2N, R76W) to the confluence Willow Creek (Sec. 17, T2N, R76W).	1.01		•					•			•	
7a	All tributaries to the Colorado River, including all wetlands, from a point immediately above the confluence with the Blue River and Muddy Creek to a point immediately below the confluence with the Roaring Fork River, that are not on National Forest lands, except for specific listings in Segment 7b, 7c and in the Blue River, Eagle River, and Roaring Fork River basins.	457.60	•						•		•	•	
7b	Mainstem of Muddy Creek, including all tributaries and wetlands, from the outlet of Wolford Mountain Reservoir to the confluence with the Colorado River; mainstems of Rock Creek, Deep Creek, Sheephorn Creek, Sweetwater Creek and the Piney River, including all tributaries and wetlands, from their sources to their confluences with the Colorado River, that are not on National Forest lands.	731.30	•				•				•	•	
7c	Mainstem of Muddy Creek from the source to a point immediately below the confluence with Eastern Gulch as well as all tributaries to and wetlands of Muddy Creek from the source to the outlet of Wolford Mountain Reservoir, except for listings in Segment 4. The mainstems of Derby, Blacktail, Cabin, and Red Dirt Creeks (all below Wolford Mountain Reservoir), including all tributaries and wetlands, from their sources to their confluences with the Colorado River, except for listings in Segment 4.	143.80	•						•		•	•	
8	Mainstem of the Williams Fork River, including all tributaries and wetlands from the source to the confluence with the Colorado River, except for those tributaries listed in Segment 9.	319.60	•				•				•	•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
9	All tributaries to the Colorado and Fraser rivers, including all wetlands, within the Never Summer, Indian Peaks, Byers, Vasquez, Eagles Nest and Flat Tops Wilderness Areas.	191.90	•				•				•	•	OW
10a	Mainstem of the Fraser River from the source to a point immediately below the Rendezvous Bridge. All tributaries to the Fraser River, including wetlands, from the source to the confluence with the Colorado River, except for those tributaries included in Segment 9.	191.30	•				•				•	•	
10b	Mainstem of the Fraser River from a point immediately below the Rendezvous Bridge to a point immediately below the Hammond Ditch.	50.40	•				•				•	•	
10c	Mainstem of the Fraser River from a point immediately below the Hammond Ditch to the confluence with the Colorado River.	18.30	•				•				•	•	
11	All lakes and reservoirs within Rocky Mountain National Park and within the Never Summer, Indian Peaks, Byers, Vasquez, Eagles Nest and Flat Tops Wilderness Areas.	<sup>4</sup>	•				•				•	•	OW
12	Lakes and reservoirs within Arapaho National Recreation Area, including Grand Lake, Shadow Mountain Lake and Lake Granby.	<sup>5</sup>	•				•				•	•	
<b>Subtotal Segments</b>		18	16	2	0	0	13	1	4	0	16	18	3
<b>Subtotal Miles<sup>6</sup></b>		3,695.35	3,690.90	4.45	0	0	2,786.40	303.10	605.85	0	3,690.90	3,695.35	315.20
<b>Blue River (COUCBL)</b>													
1	Mainstem of the Blue River from the source to Dillon Reservoir, except for specific listing in Segments 2a and 2b.	10.70	•				•				•	•	
2a	Mainstem of the Blue River from the confluence with French Gulch to a point one half mile below Summit County Road 3.	2.10	•				•				•	•	UP <sup>7</sup>

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
2b	Mainstem of the Blue River from a point one-half mile below Summit County Road 3 to the confluence with the Swan River.	2.00	•				•				•	•	
3	Dillon Reservoir and all lakes and reservoirs in the Blue River drainage above Dillon Reservoir, except for specific listings in Segment 21.	8	•				•				•	•	
4a	All direct tributaries to Dillon Reservoir and all tributaries and wetlands in the Blue River drainage above Dillon Reservoir, except for specific listings in Segments 1, 2a, 2b, 4b, 5, 6, and 10–14.	123.10	•				•				•	•	
4b	North Fork of the Swan River, including all tributaries and wetlands, from the source to the confluence with the Swan River.	1.26	•				•				•	•	OW
5	Mainstem of Soda Creek from the source to Dillon Reservoir.	4.90	•				•				•	•	
6a	Mainstem of the Snake River, including all tributaries and wetlands from the source to Dillon Reservoir, except for specific listings in Segments 6b, 7, 8, and 9.	23.41	•				•				•	•	UP
6b	Mainstem of Camp Creek, River, including all tributaries and wetlands from the source to confluence with the Snake River.	1.30	•				•				•	•	
7	Mainstem of Peru Creek, including all tributaries and wetlands from the source to the confluence with the Snake River, except for specific listing in Segment 8.	5.94	•							•			UP

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
8	Mainstem of Keystone Gulch, including all tributaries and wetlands from the source to the confluence with the Snake River. Mainstem of Chihuahua Creek including all tributaries, and wetlands from the source to the confluence with Peru Creek. Mainstem of the North Fork of the Snake River, including all tributaries and wetlands from the source to the confluence with the Snake River. Mainstem of Jones gulch, including all tributaries and wetlands from the source to the confluence with the Snake River.	25.60	•				•				•	•	
9	Mainstem of Deer Creek, including all tributaries and wetlands from the source to the confluence with the Snake River.	2.70	•				•				•	•	
10	Mainstem of French Gulch including all tributaries and wetlands from the source to a point 1.5 miles below Lincoln.	4.60	•				•				•	•	
11	Mainstem of French Gulch from a point 1.5 miles below Lincoln to the confluence with the Blue River.	3.10	•					•				•	UP
12	Mainstem of Illinois Gulch and Fredonia Gulch from their source to their confluence with the Blue River.	5.48		•				•			•	•	
13	Mainstem of Tenmile Creek from the Climax Parshall Flume to a point immediately above the confluence of West Tenmile Creek and all tributaries and wetlands from the source of Tenmile Creek to a point immediately above the confluence with West Tenmile Creek, except for the specific listing in Segment 15.	8.40	•					•				•	
14	Mainstem of Tenmile Creek, including all tributaries and wetlands from a point immediately above the confluence with West Tenmile Creek to Dillon Reservoir, except for the specific listing in Segment 16.	43.20	•				•				•	•	



Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
15	Mainstem of Clinton Creek from the source to the confluence with Tenmile Creek.	4.80	•				•				•	•	
16	All tributaries to the Blue River, including all wetlands, within the Eagles Nest and Ptarmigan Peak Wilderness Areas.	157.20	•				•				•	•	OW
17	Mainstem of the Blue River from the outlet of Dillon Reservoir to the confluence with the Colorado River.	38.60	•				•				•	•	
18	All tributaries to the Blue River, including all wetlands, from the outlet of Dillon Reservoir to the outlet of Green Mountain Reservoir, except for the specific listing in Segment 16.	196.00	•				•				•	•	
19	All tributaries to the Blue River, including all wetlands, from the outlet of Green Mountain Reservoir to the confluence with the Colorado River, except for specific listings in Segment 20.	93.40	•							•	•	•	
20	Mainstems of Elliot Creek and Spruce Creek including all tributaries and wetlands, from their sources to the confluence with the Blue River.	30.20	•							•	•	•	
21	All lakes and reservoirs within the Eagles Nest and Ptarmigan Peak Wilderness Areas.	<sup>9</sup>	•				•				•	•	OW
22	All lakes and reservoirs in the Blue River drainage below Dillon Reservoir, except for specific listings in Segment 21.	<sup>10</sup>	•				•				•	•	
<b>Subtotal Segments</b>		25	24	1	0	0	19	3	3	0	22	24	7
<b>Subtotal Miles<sup>6</sup></b>		787.99	782.51	5.48	0	0	641.47	16.98	129.54	0	770.55	782.05	193.01
<b>Eagle River (COUCEA)</b>													
1	All tributaries and wetlands to the Eagle River system within the Gore Range–Eagles Nest and Holy Cross Wilderness Area.	142.70	•				•				•	•	OW
2	Mainstem of The Eagle River from the source to the compressor house bridge at Belden.	17.00	•				•				•	•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
3	All tributaries to the Eagle River, including wetlands, from the source to the compressor house bridge at Belden, except for the specific listing in Segment 4 and those waters included in Segment 1.	82.90	•				•				•	•	
4	Mainstem of Homestake Creek from the confluence of the East Fork to the confluence with the Eagle River.	12.60	•				•				•	•	
5a	Mainstem of the Eagle River from a point immediately above the compressor house bridge at Belden to a point immediately above the Highway 24 Bridge near Tigiwon Road.	2.10	•				•				•	•	
5b	Mainstem of the Eagle River from a point immediately above the Highway 24 Bridge near Tigiwon Road to a point immediately above the confluence with Martin Creek.	2.60	•				•				•	•	
5c	Mainstem of the Eagle River from a point immediately above Martin Creek to a point immediately above the confluence with Gore Creek.	2.40	•				•				•	•	
6	All tributaries to the Eagle River, including all wetlands, from the compressor house bridge at Belden to a point immediately below the confluence with Lake Creek, except for the specific listings in Segments 1, 7a, 7b, and 8.	181.80	•				•				•	•	
7a	Mainstem of Cross Creek from the source to a point immediately below the Minturn Middle School, except for those waters included in Segment 1.	1.30	•				•				•	•	
7b	Mainstem of Cross Creek from a point immediately below the Minturn Middle School to the confluence with the Eagle River, except for those waters included in Segment 1.	0.50	•				•				•	•	
8	Mainstem of Gore Creek from the confluence with Black Gore Creek to the confluence with the Eagle River.	10.84	•				•				•	•	
9a	Mainstem of the Eagle River from Gore Creek to a point immediately below the confluence with Rube Creek.	18.80	•				•				•	•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
9b	Mainstem of the Eagle River from a point immediately below the confluence with Rube Creek to the confluence with the Colorado River.	23.80	•				•				•	•	
10a	All tributaries to the Eagle River, including all wetlands, from a point immediately below the confluence with Lake Creek to the confluence with the Colorado River, except for specific listings in Segments 10b, 11 and 12, and those waters included in Segment 1.	428.00	•				•				•	•	
10b	Abrams Creek, including all tributaries and wetlands, from the source to the eastern boundary of the United States Bureau of Land Management lands.	21.40	•				•				•	•	OW
11	Mainstem of Alkali Creek from the source to the confluence with the Eagle River; mainstem of Milk Creek from the source to the confluence with the Eagle River.	19.30		•				•				•	
12	Mainstem of Brush Creek, from the source to the confluence with the Eagle River, including the East and West Forks.	30.10	•				•				•	•	
13	All lakes and reservoirs within the Gore Range - Eagles Nest and Holy Cross Wilderness Areas.	<sup>11</sup>	•				•				•	•	OW
14	All lakes and reservoirs tributary to the Eagle River except for specific listings in Segment 13.	<sup>12</sup>	•				•				•	•	
<b>Subtotal Segments</b>		19	18	1	0	0	18	1	0	0	18	19	3
<b>Subtotal Miles<sup>6</sup></b>		998.14	978.84	19.30	0	0	978.84	19.30	0	0	978.84	998.14	164.10
<b>Roaring Fork (COUCRF)</b>													
1	All tributaries to the Roaring Fork River system, including all wetlands, within the Maroon Bells/Snowmass, Holy Cross, Raggeds, Collegiate Peaks and Hunter/Fryingpan Wilderness Areas.	294.50	•				•				•	•	OW

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
2	Mainstem of the Roaring Fork River, including all tributaries and wetlands, from the source to a point immediately below the confluence with Hunter Creek, except for those tributaries included in Segment 1.	38.40	•				•				•	•	
3a	Mainstem of the Roaring Fork River, from a point immediately below the confluence with Hunter Creek, to a point immediately below the confluence with the Fryingpan River. All tributaries to the Roaring Fork River, including wetlands, from a point immediately below the confluence with Hunter Creek to the confluence with the Colorado River, except for those tributaries included in Segment 1 and specific listings in Segments 3b–10.	340.10	•				•				•	•	
3b	Mainstem of Red Canyon and all tributaries and wetlands from the source to the confluence with the Roaring Fork River, except for Landis Creek from its source to the Hopkins Ditch Diversion.	19.00		•						•	•		
3c	Mainstem of the Roaring Fork River, from a point immediately below the confluence with the Fryingpan River, to the confluence with the Colorado River. Mainstem of Three Mile Creek, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River.	38.20	•				•				•	•	
4	Mainstem of Brush Creek from the source to the confluence with the Roaring Fork River.	7.10	•				•					•	
5	Mainstem of the Fryingpan River from the source to the confluence with the North Fork.	11.60	•				•				•	•	
6	Mainstem of the Fryingpan River from the confluence with the North Fork to the confluence with the Roaring Fork River.	18.40	•				•				•	•	
7	All tributaries to the Fryingpan River, including all wetlands, except for those tributaries included in Segment 1.	143.70	•				•				•	•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
8	Mainstem of the Crystal River, including all tributaries and wetlands, from the source to the confluence with the Roaring Fork River, except for specific listings in Segments 1, 9, and 10.	119.40	•				•				•	•	
9	Mainstem of Coal Creek including all tributaries and wetlands from the source to the confluence with the Crystal River.	22.40	•				•				•	•	
10	Mainstem of Thompson Creek including all tributaries and wetlands from the source to the confluence with the Crystal River.	57.60	•				•				•	•	
11	All lakes and reservoirs within the Maroon Bells/Snowmass, Holy Cross, Raggeds, Collegiate Peaks and Hunter/Fryingpan Wilderness Areas.	<sup>13</sup>	•				•				•	•	OW
12	All lakes and reservoirs tributary to the Roaring Fork River except for specific listings in Segment 11.	<sup>14</sup>	•				•				•	•	
<b>Subtotal Segments</b>		14	13	1	0	0	13	0	1	0	13	14	2
<b>Subtotal Miles<sup>6</sup></b>		1,110.40	1,091.40	19.00	0	0	1,091.40	0	19.00	0	1,103.30	1,110.40	294.50
<b>Total Segments</b>		76	71	5	0	0	63	5	8	0	69	75	15
<b>Total Miles<sup>15</sup></b>		6,591.88	6,543.65	48.23	0	0	5,498.11	339.38	754.39	0	6,543.59	6,585.94	966.81

<sup>1</sup> WQCC 2010a, 2010b, 2010c; WQCD 2010a.

<sup>2</sup> OW = Outstanding Waters.

<sup>3</sup> Lake-only segment. Lake acres = 4,111.50.

<sup>4</sup> Lake-only segment. Lake acres = 1,711.60.

<sup>5</sup> Lake-only segment. Lake acres = 9,387.60.

<sup>6</sup> Totals might not add due to rounding.

<sup>7</sup> UP = Use Protected.

<sup>8</sup> Lake-only segment. Lake acres = 3,786.80.

<sup>9</sup> Lake-only segment. Lake acres = 421.70.

<sup>10</sup> Lake-only segment. Lake acres = 2,266.80.

<sup>11</sup> Lake-only segment. Lake acres = 112.40.

<sup>12</sup> Lake-only segment. Lake acres = 1,181.70.

<sup>13</sup> Lake-only segment. Lake acres = 764.00.

<sup>14</sup> Lake-only segment. Lake acres = 1,776.60.

<sup>15</sup> All acres for lake-only segments and lakes that are part of a segment with streams or wetlands and that have been assessed have been individually footnoted and are not included in the segment miles.

Exhibit 7-23. Lower Colorado River Sub-Basin Use Classifications by Waterbody Segment

Stream Segment (COLCLC) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
1	Mainstem of the Colorado River from the confluence with the Roaring Fork River to immediately below the confluence with Rifle Creek.	34.10	•				•				•	•	
2a	Mainstem of the Colorado River from immediately below the confluence with Rifle Creek to immediately above the confluence of Rapid Creek.	49.60			•		•				•	•	
2b	Mainstem of the Colorado River from a point immediately above the confluence with Rapid Creek to immediately above the confluence of the Gunnison River.	21.10			•		•				•	•	
3	Mainstem of the Colorado River from immediately above the confluence of the Gunnison River to the Colorado-Utah state line.	43.90			•		•					•	
4a	All tributaries, including wetlands, to the Colorado River from the confluence with the Roaring Fork River to a point immediately below the confluence with Parachute Creek except for the specific listings in Segments 4b, 4c, 4d, 4e, 5, 6, 7a, 7b, 8, 9a, 9c, 10, 11a–h, and 12a.	160.30		•						•	•	•	
4b	South Canyon Hot Springs.	3.6				•	•						
4c	The mainstem of South Canyon Creek from the South Canyon Hot Springs to the confluence with the Colorado River.	6.40			•		•				•	•	
4d	Mainstem of Dry Hollow Creek, including all tributaries and wetlands, from the source to the confluence with the Colorado River.	14.30		•						•	•	•	
4e	Mainstem of Dry Creek, including all tributaries and wetlands from the source to the confluence with the Colorado River.	10.30		•						•	•	•	
5	All tributaries to the Colorado River, including wetlands, that are within the boundaries of White River National Forest, except for the specific listing in Segments 9a and 9c.	260.70	•					•			•	•	

Stream Segment (COLCLC) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
6	Mainstem of Oasis Creek including all tributaries and wetlands from the boundary of White River National Forest to the confluence with the Colorado River.	2.70		•				•			•	•	
7a	Mainstem of Mitchell, Canyon, Elk, Garfield, Beaver, and Cache Creeks, including all tributaries and wetlands, from the boundary of the White River National Forest to their confluences with the Colorado River. Battlement Creek from the most downstream boundary of BLM lands to the confluence with the Colorado River.	162.00	•				•				•	•	
7b	Mainstem of Divide Creek, including all tributaries and wetlands, from the boundary of the White River National Forest to the confluence with the Colorado River.	91.90	•				•				•	•	
8	Mainstem of Northwater and Trapper Creeks, including all tributaries and wetlands, from their sources to the confluence with the East Middle Fork of Parachute Creek. East Middle Fork of Parachute Creek, including all tributaries and wetlands, from the source to the confluence with the Middle Fork of Parachute Creek.	41.40	•							•	•	•	OW <sup>2</sup>
9a	Middle Rifle Creek, including all tributaries and wetlands, from its source to the confluence with West Rifle Creek. East Rifle Creek, including all tributaries and wetlands, from the source to the boundary of the White River National Forest.	69.50	•				•					•	
9b	All lakes and reservoirs tributary to the Colorado River from the confluence of the Colorado and the Roaring Fork River to a point immediately below the confluence of the Colorado River and Parachute Creek, and all lakes and reservoirs within the White River National Forest or the Grand Mesa National Forest, except for the specific listing in segment 20.	<sup>3</sup>	•				•				•	•	



Stream Segment (COLCLC) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
9c	Battlement Creek, including all tributaries and wetlands, from the source to the most downstream boundary of BLM lands.	10.80	•				•				•	•	OW
10	West Rifle Creek, including all tributaries and wetlands, from the source to Rifle Gap Reservoir. East Rifle Creek, including all tributaries and wetlands, from the White River National Forest boundary to Rifle Gap Reservoir. Rifle Creek, including all tributaries and wetlands, from Rifle Gap Reservoir to the confluence with the Colorado River.	73.10	•				•				•	•	
11a	Mainstem of the West Fork of Parachute Creek, including all tributaries, from its source to West Fork Falls. Mainstem of East Fork of Parachute Creek, including all tributaries and wetlands, from a point immediately below the mouth of First Anvil Creek to the east boundary line of S27, T5S, R95W.	33.00	•							•	•	•	
11b	Mainstem of the West Fork of Parachute Creek from West Fork Falls to the confluence with Parachute Creek; mainstem of the Middle Fork of Parachute Creek from the north boundary line of S19, T5S, R95W to the confluence with East Middle Fork of Parachute Creek.	4.90		•							•	•	
11c	Mainstem of the Middle Fork of Parachute Creek including all tributaries (includes Davis Gulch and tributaries), from the source to the north boundary line of S19, T5S, R95W.	18.50		•							•	•	
11d	Mainstem of Middle Fork of Parachute Creek from the confluence with East Middle Fork to a point immediately above the confluence with the West Fork of Parachute Creek.	1.70	•								•	•	
11e	That portion of the mainstem of the East Fork of Parachute Creek, including all tributaries and wetlands, within Sections 27, 28, and 29, T5S, R95W.	23.80		•							•	•	

Stream Segment (COLCLC) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
11f	Mainstem of the East Fork of Parachute Creek from the west boundary line of S29, T5S, R95W to the confluence with Middle Fork of Parachute Creek.	1.40	•						•		•	•	
11g	All tributaries to East Fork Parachute Creek on the south side of the East Fork Parachute Creek from a point immediately below First Anvil Creek to the confluence with Parachute Creek; all tributaries to Parachute Creek on the east side of Parachute Creek from a point immediately below the East Fork of Parachute Creek to the confluence with the Colorado River; and all tributaries to the Colorado River on the north side of the Colorado River from a point immediately below Cottonwood Creek to the confluence with Parachute Creek except for specific listings in segment 7a.	100.70		•						•		•	
11h	Mainstem of Parachute Creek, including all tributaries and wetlands, from the confluence of the West and East Forks to the confluence with the Colorado River except for specific listings in segment 11g.	13.70		•				•				•	
12a	All tributaries to East Fork Parachute Creek from its source to a point immediately below the mouth of First Anvil Creek.	12.86	•							•		•	
12b	All tributaries and wetlands to the Colorado River from a point immediately below the confluence of Parachute Creek to a point immediately below the confluence with Roan Creek.	119.23		•				•			•	•	
13a	All tributaries to the Colorado River including wetlands, from a point immediately below the confluence of Roan Creek to the Colorado/Utah border except for the specific listings in Segments 13b through 19.	696.70				•		•				•	UP <sup>4</sup>

Stream Segment (COLCLC) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
13b	All tributaries to the Colorado River, including wetlands, from the Government Highline Canal Diversion to a point immediately below Salt Creek, and downgradient from the Government Highline Canal, the Orchard Mesa Canal No. 2, Orchard Mesa Drain, Stub Ditch and the northeast Colorado National Monument boundary.	1,271.90				•	•					•	UP
13c	Walker Wildlife Area Ponds.	5			•		•					•	
13d	Coal Canyon Creek downgradient of the Government Highline Canal.	1.00				•		•				•	
14a	Mainstem of Roan Creek including all wetlands and tributaries, from its source to a point immediately above the confluence with Clear Creek, except for the specific listing in segment 14b. Clear Creek, including all tributaries and wetlands, from the source to a point immediately below the confluence with Tom Creek.	160.80	•					•			•	•	
14b	Clear Creek, including all tributaries and wetlands, from a point immediately below the confluence with Tom Creek to the confluence with Roan Creek. Roan Creek, including all tributaries and wetlands, from a point immediately above the confluence with Clear Creek to a point immediately below the confluence with Kimball Creek.	173.90	•					•			•	•	
14c	Mainstem of Roan Creek including all tributaries and wetlands, from a point immediately below the confluence with Kimball Creek to the confluence with the Colorado River.	185.40			•			•			•	•	
15	Mainstem of Plateau Creek including all tributaries and wetlands, from its source to the Highway 330 bridge in Collbran. Kimball Creek, Grove Creek, Big Creek, Cottonwood Creek, Bull Creek, Spring Creek, Coon Creek, and Mesa Creek, including all wetlands and tributaries, from their sources to their confluences with Plateau Creek.	311.10	•				•				•	•	

Stream Segment (COLCLC) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
16	Plateau Creek including all tributaries and wetlands, from the Highway 330 bridge in Collbran, to the confluence with the Colorado River, excluding specific listings in segment 15.	317.90	•				•				•	•	
17a	Mainstem of Rapid Creek, including all tributaries and wetlands, from its source to a point immediately below the confluence with Cottonwood Creek including Kruzen Springs.	22.40	•					•			•	•	OW
17b	Rapid Creek, including all tributaries and wetlands, from a point immediately below the confluence with Cottonwood Creek to the confluence with the Colorado River.	1.30	•					•			•	•	
18	Mainstem of Little Dolores River, including all tributaries and wetlands, from its source to immediately below the confluence with Hay Press Creek.	25.70	•					•			•	•	
19	All lakes and reservoirs tributary to the Colorado River from a point immediately below the confluence of the Colorado River and Parachute Creek to the Colorado-Utah border, except for specific listings in segments 9b, 13c, 20, and 21. This segment includes Highline Reservoir.	6			•		•					•	
20	Rifle Gap Reservoir, Harvey Gap Reservoir, and Vega Reservoir.	7	•				•				•	•	
21	All lakes and reservoirs tributary to Roan Creek from the source to a point just below the confluence with Clear Creek. All lakes and reservoirs tributary to Rapid Creek from the source to the confluence with the Colorado River. All lakes and reservoirs tributary to the Little Dolores River from the source to a point immediately below the confluence with Hay Press Creek.	8	•							•	•	•	
<b>Total Segments</b>		43	22	10	7	4	18	12	12	1	28	42	5
<b>Total Miles<sup>9,10</sup></b>		4,553.59	1,805.56	468.43	306.40	1,973.20	2,466.90	1,663.53	423.16	0	2,304.33	4,549.99	2,043.20

<sup>1</sup> WQCC 2010a, 2010b, 2010c; WQCD 2010a.

<sup>2</sup> OW = Outstanding Waters.

<sup>3</sup> Lake-only segment. Lake acres = 1,797.50.

<sup>4</sup> UP = Use Protected.

<sup>5</sup> Lake-only segment. Lake acres = 117.00.

<sup>6</sup> Lake-only segment. Lake acres = 854.60.

<sup>7</sup> Lake-only segment. Lake acres = 1,386.70.

<sup>8</sup> Lake-only segment. Lake acres = 245.90.

<sup>9</sup> Totals might not add due to rounding.

<sup>10</sup> All acres for lake-only segments and lakes that are part of a segment with streams or wetlands and that have been assessed have been individually footnoted and are not included in the segment miles.

Exhibit 7-24. Upper Gunnison River Sub-Basin Use Classifications by Waterbody Segment

Stream Segment (COGUUG) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
1	All tributaries to the Gunnison River, including lakes, reservoirs, and wetlands, within the LaGarita and Powderhorn Wilderness Areas.	92.80	•				•				•	•	OW <sup>2</sup>
2 +L	All tributaries to the Gunnison River, including lakes, reservoirs, and wetlands, within the West Elk, Collegiate Peaks, Maroon Bells, Raggeds, and Fossil Ridge Wilderness Areas.	247.10 <sup>3</sup>	•				•				•	•	OW
3	All tributaries to the Gunnison River, including lakes, reservoirs, and wetlands, within the Uncompahgre Wilderness Area.	60.60	•				•				•	•	OW
4 +L	Mainstem of the Taylor River, including all tributaries, lakes, reservoirs (including Taylor Park Reservoir), and wetlands, from the source to the confluence with the Gunnison River except for those in Segment 2.	396.00 <sup>4</sup>	•				•				•	•	
5	Mainstem of the East River, including all tributaries, lakes, reservoirs, and wetlands, from its sources to a point immediately above the confluence with the Gunnison River, except for Segments 2, 6a and 6b.	88.50	•				•				•	•	
6a	All tributaries to East River from a point immediately above its confluence with the Slate River to its confluence with the Gunnison except for those in Segment 6b.	37.40		•						•		•	
6b	Cement Creek and all its tributaries and all lakes, reservoirs, and wetlands in the East River Drainage tributary to Segment 6a.	36.90	•				•				•	•	
7	Mainstem of the Slate River from its source to a point immediately above the confluence with Coal Creek.	11.87	•				•				•	•	
8	Mainstem of the Slate River from a point immediately above the confluence with Coal Creek to the confluence with the East River.	8.97	•				•				•	•	
9	All tributaries, including lakes, reservoirs, and wetlands, to the Slate River except for specific listings in Segments 2, 10, 11, 12, and 13.	36.70	•				•				•	•	

Stream Segment (COGUUG) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
10	Mainstem of Oh-Be-Joyful Creek from the boundary of the Raggeds Wilderness Area to the confluence with Slate River. All tributaries, including lakes and reservoirs, and wetlands within the Redwell Basin tributary to Oh Be Joyful Creek.	2.17	•				•					•	
11	Mainstem of Coal Creek from a point immediately above the confluence with Elk Creek to a point immediately below the Crested Butte Water Supply intake, which is above the confluence with the Mount Emmons/Red Lady Basin drainage; and Elk Creek and its tributaries and wetlands from its source to its confluence with Coal Creek.	4.85	•				•				•	•	
12	Mainstem of Coal Creek, including all tributaries and wetlands from a point immediately below the Crested Butte Water Supply intake, which is above the confluence with the Mount Emmons/Red Lady Basin drainage, to the confluence with the Slate River, with the exception of Wildcat Creek.	4.90	•				•					•	
13a	Mainstem of Woods Creek from the source to the Town of Mount Crested Butte eastern boundary.	0.40		•			•				•	•	
13b	Mainstem of Woods Creek from the eastern boundary to the confluence with Washington Gulch.	0.70		•				•			•	•	
14	Mainstem of the Gunnison River from the confluence of the East and Taylor rivers to the inlet of Blue Mesa Reservoir.	18.90	•				•				•	•	
15	All tributaries, including lakes, reservoirs, and wetlands, to the Gunnison River from the confluence of the East and Taylor Rivers to the inlet of Blue Mesa Reservoir except for the specific listings in Segments 2, 16 through 24, and 26.	297.80		•						•	•	•	
16	Mainstem of Ohio Creek, including all tributaries, lakes, reservoirs, and wetlands, from the sources to the confluence with the Gunnison River with the exception of Segment 2.	138.50	•							•	•	•	

Stream Segment (COGUUG) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
17	Mainstem of Antelope Creek, including all tributaries, lakes, reservoirs, and wetlands, from the source to the confluence with the Gunnison River.	31.80	•							•	•	•	
18	Mainstem of Antelope Creek, including all tributaries, lakes, reservoirs, and wetlands, from the source to the confluence with the Gunnison River.	68.60	•							•	•	•	
19	All tributaries to Tomichi Creek, including all lakes, reservoirs, and wetlands, that are on Gunnison National Forest lands, except for specific listings in Segment 21 thru 24. Mainstems of Barret, Hot Springs, Razor and Quartz Creeks from sources to confluences with Tomichi Creek.	336.30	•							•	•	•	
20	Mainstem of Indian Creek, including all tributaries, from the source to the confluence with Marshall Creek.	4.86	•				•					•	
21	Mainstem of Marshall Creek, including all tributaries, lakes, reservoirs, and wetlands, from the source to the confluence with Tomichi Creek, except for specific listings in Segment 20.	37.90	•							•	•	•	
22	Mainstem of Gold Creek from Browns Gulch to confluence with Quartz Creek.	5.98	•				•				•	•	
23	Mainstem of Cochetopa Creek, including all tributaries, lakes (including Dome Lakes), reservoirs, and wetlands, from the source to a point immediately below the confluence with West Pass Creek with the exception of Segment 1.	230.90	•							•	•	•	
24	Mainstem of Cochetopa Creek from a point immediately below the confluence with West Pass Creek to the confluence with Tomichi Creek.	23.50	•							•	•	•	
25 + L	Blue Mesa, Morrow Point, and Crystal Reservoirs and those segments of the Gunnison River that inter-connect those reservoirs.	3.50 <sup>5</sup>	•				•				•	•	



Stream Segment (COGUUG) <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
26 +L	All tributaries, from the source, to those waters described in segment 25 including all lakes, reservoirs (including Silver Jack Reservoir), and wetlands, that are on Gunnison and Uncompahgre National Forest lands or that flow into or are present within Curecanti National Recreation Area with the exception of Segments 1,2,3,14 and 29 through 32.	870.50 <sup>6</sup>	•							•	•	•	
29a	Mainstem of the Lake Fork of the Gunnison including all tributaries, lakes, reservoirs, and wetlands, from the source to Blue Mesa Reservoir, except for the specific listing in Segments 1, 3, 29b, 30, 31 and 32.	186.40	•				•				•	•	
29b	Lake San Cristobal	<sup>7</sup>	•				•				•	•	
30	Mainstem of Henson Creek, including all tributaries and wetlands, from the source to the confluence with the Lake Fork of the Gunnison, except for the specific listing in Segments 31 and 32.	40.60	•				•				•	•	
31	Mainstem of Palmetto Gulch Creek including all tributaries.	1.71		•			•					•	UP <sup>8</sup>
32	North Fork of Henson Creek, including all tributaries, lakes, reservoirs, and wetlands, from its source to the confluence with Henson Creek, except for specific listings in Segment 3.	6.61	•				•				•	•	
<b>Total Segments</b>		33	28	5	0	0	22	1	0	10	28	33	4
<b>Total Miles<sup>9,10</sup></b>		3,334.22	2,996.21	338.01	0	0	1,260.32	0.70	0	2,073.20	3,283.18	3,334.22	402.21

<sup>1</sup> WQCC 2010a, 2010b, 2010c; WQCD 2010a.

<sup>2</sup> OW = Outstanding Waters.

<sup>3</sup> Assessed lakes in this segment total 93.70 acres.

<sup>4</sup> Assessed lakes in this segment total 2,018.40 acres.

<sup>5</sup> Assessed lakes in this segment total 10,020.60 acres.

<sup>6</sup> Assessed lakes in this segment total 339.1 acres.

<sup>7</sup> Lake only segment. Lake acres = 312.20.

<sup>8</sup> UP = Use Protected.

<sup>9</sup> Totals might not add due to rounding.

<sup>10</sup> All acres for lake-only segments and lakes that are part of a segment with streams or wetlands and that have been assessed have been individually footnoted and are not included in the segment miles.

Exhibit 7-25. Lower Gunnison River Sub-Basin Use Classifications by Waterbody Segment

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
<b>Lower Gunnison (COGULG)</b>													
1	Mainstem of the Gunnison River from the outlet of Crystal Reservoir to a point immediately above the confluence with the Uncompahgre River.	49.80	•				•				•	•	
2	Mainstem of the Gunnison River from a point immediately above the confluence with the Uncompahgre River to the confluence with the Colorado River.	60.00			•		•				•	•	
3 + L	All tributaries to the Gunnison River, including all wetlands, lakes and reservoirs, that are on National Forest lands, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork Gunnison River, Uncompahgre River sub-basins, and segments 10 and 11.	586.30 <sup>2</sup>	•				•				•	•	
4a + L	All tributaries to the Gunnison River, including all wetlands, that are not on National Forest lands, from the outlet of Crystal Reservoir to the confluence with the Colorado River, except for specific listings in the North Fork and Uncompahgre River subbasins and in Segments 3, 4b, 4c, 5 through 10, 12 and 13.	1,243.20 <sup>5</sup>				•				•	•	•	UP <sup>4</sup>
4b	All lakes and reservoirs that are tributary to the Gunnison River and not on National Forest lands from the outlet of Crystal Reservoir to the confluence with the Colorado River, including all tributaries to Reeder, Hollenbeck, and Juniata Reservoirs, except for specific listings in the North Fork and Uncompahgre River subbasins and in segments 9 and 13. Kannah Creek below the point of diversion for public water supply.	5				•	•				•	•	UP
4c	Mainstem of Red Rock Creek from the boundary of Black Canyon of the Gunnison National Park to the confluence of the Gunnison River.	3.82				•	•				•	•	UP

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
5	Mainstem of Roubideau Creek from the boundary of National Forest lands to the confluence with Potter Creek; mainstem of Monitor Creek from the boundary of National Forest lands to the confluence with Potter Creek; mainstem of North Fork Escalante Creek from the boundary of National Forest lands to the confluence with Escalante Creek.	24.30	•				•				•	•	
6	Mainstem of Roubideau Creek from Potter Creek to the Gunnison River; mainstem of Escalante Creek from the boundary of National Forest lands to the Gunnison River; mainstem of Little Dominguez from the boundary of National Forest lands to Big Dominguez Creek; mainstem of Big Dominguez from boundary of National Forest lands to the Gunnison River, mainstem East Creek from the source to Gunnison River.	76.90	•				•					•	
7	Mainstem of Surface Creek from the point of diversion of water supply to confluence with Tongue Creek; including mainstem of Ward Creek, from the boundary of National Forest lands to the confluence with Tongue Creek; mainstem of Tongue Creek from the source to the confluence with the Gunnison River; mainstem of Youngs Creek from the boundary of National Forest lands to the confluence with Kiser Creek; mainstem of Kiser Creek from the boundary of National Forest lands to the confluence with Youngs Creek.	56.20		•				•				•	
8	Mainstem of Surface Creek and Kannah Creek, including all tributaries, from the boundary of National Forest lands to the point of diversion for public water supply; Fruita Water Supply Reservoirs I and II.	22.70	•				•				•	•	
9	Fruitgrowers Reservoir.	<sup>6</sup>				•	• <sup>7</sup>			• <sup>7</sup>		•	UP
10	Mainstem of the Smith Fork from the confluence of the North Smith Fork and South Smith Fork to the confluence with the Gunnison River.	24.00	•				•					•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
11a	All tributaries to the Smith Fork, including all wetlands, lakes and reservoirs, that are on National Forest lands except for specific listings in Segment 11b; Doug Creek from the source to the confluence with Muddy Creek.	35.45	•				•				•	•	
11b	All tributaries to the Smith Fork, including all wetlands, lakes and reservoirs, that are within the West Elk Wilderness Area.	20.54	•				•				•	•	OW <sup>8</sup>
12 +L	All tributaries to the Smith Fork, including all wetlands, lakes, and reservoirs, that are not on National Forest lands, except for the specific listing in Segment 11a.	101.30 <sup>9</sup>				•		•				•	UP
13	Crawford Reservoir.	<sup>10</sup>	•				•					•	
<b>Subtotal Segments</b>		16	9	1	1	5	13	2	2	0	10	16	6
<b>Subtotal Miles<sup>11</sup></b>		2,304.51	839.99	56.20	60.00	1,348.32	903.81	157.50	1,243.20	0	2,046.11	2,304.51	1,368.86
<b>North Fork of the Gunnison River (COGUNF)</b>													
1 + L	All tributaries to North Fork of the Gunnison River including all lakes, reservoirs, and wetlands within the West Elk and Raggeds Wilderness Areas.	152.10 <sup>12</sup>	•				•				•	•	OW
2	Mainstem of North Fork of the Gunnison River from the confluence of Muddy Creek and Coal Creek to the Black Bridge (41.75 Drive) above Paonia.	19.50	•				•				•	•	
3	Mainstem of North Fork of the Gunnison River from the Black Bridge (41.75 Drive) above Paonia to the confluence with the Gunnison River.	19.60	•				• <sup>13</sup>		• <sup>13</sup>			•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
4 + L	All tributaries to the North Fork of the Gunnison River including all lakes, reservoirs, and wetlands from the source of Muddy Creek to a point immediately below the confluence with Coal Creek; all tributaries to the North Fork of the Gunnison including all lakes, reservoirs, and wetlands, including the Grand Mesa Lakes, that are on National Forest lands, except for the specific listing in Segments 1 and 7.	472.80 <sup>14</sup>	•				•				•	•	
5 + L	Mainstems of Hubbard Creek, Terror Creek, Minnesota Creek, and Leroux Creek from their boundary with National Forest land to their confluences with the North Fork of the Gunnison River; mainstem of Jay Creek from its source to its confluence with the North Fork of the Gunnison River; mainstem of Roatcap Creek including all tributaries, wetlands, lakes and reservoirs, from its source to its confluence with the North Fork of the Gunnison.	52.13 <sup>15</sup>	•					•			•	•	
6a	All tributaries to the North Fork of the Gunnison River, including all lakes, reservoirs, and wetlands, that are not on National Forest lands, except for the specific listings in Segments 4, 5, 6b and 7.	101.00				•		•				•	UP
6b	Mainstem and all tributaries to Bear Creek, Reynolds Creek, Bell Creek, McDonald Creek, Cottonwood Creek, Love Gulch, Cow Creek, Dever Creek, German Creek, Miller Creek, Stevens Gulch, Big Gulch, Stingley Gulch and Alum Gulch, including lakes, reservoirs, and wetlands, that are not on National Forest lands from their source to the North Fork of the Gunnison River.	42.90				•		•			•	•	UP
7	Paonia Reservoir.	<sup>16</sup>	•				•				•	•	
<b>Subtotal Segments</b>		8	6	0	0	2	5	3	1	0	6	8	3
<b>Subtotal Miles<sup>11</sup></b>		860.03	716.13	0	0	143.90	664.00	196.03	19.60	0	739.43	860.03	296.00
<b>Uncompahgre River (COGUUN)</b>													

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
1	All tributaries to the Uncompahgre River, including all wetlands, lakes and reservoirs, that are within the Mt. Sneffels and Uncompahgre Wilderness Areas.	36.60	•				•				•	•	OW
2	Mainstem of the Uncompahgre River from the source at Como Lake (Poughkeepsie Gulch) to a point immediately above the confluence with Red Mountain Creek.	5.48	•							•	•	•	
3a	Mainstem of the Uncompahgre River from a point immediately above the confluence with Red Mountain Creek to the Highway 90 bridge at Montrose.	39.50	•				•				•	•	
3b	Ridgway Reservoir	<sup>17</sup>	•				•					•	
4a	Mainstem of the Uncompahgre River from the Highway 90 bridge at Montrose to La Salle Road.	3.10				•	•					•	UP
4b	Mainstem of the Uncompahgre River from La Salle Road to Confluence Park.	25.30				•				•		•	UP
4c	Mainstem of the Uncompahgre River from Confluence Park to the confluence with the Gunnison River.	0.48				•	•					•	UP
5	All tributaries to the Uncompahgre River, including all wetlands, lakes and reservoirs, from the source to a point immediately below the confluence with Dexter Creek, except for specific listings in Segments 1 and 6 thru 9.	40.80		•			•				•	•	UP
6a	Mainstem of Red Mountain Creek from the source to immediately above the confluence with the East Fork of Red Mountain Creek.	1.78		•						•		•	
6b	Mainstem of Red Mountain Creek from immediately above the confluence with the East Fork of Red Mountain Creek to the confluence with the Uncompahgre River. All tributaries to Red Mountain Creek within Corkscrew and Champion basins.	5.72								•		•	UP
7	Mainstem of Gray Copper Gulch from the source to the confluence with Red Mountain Creek.	2.31		•						•		•	

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined			
8	Mainstem of Mineral Creek from the source to the confluence with the Uncompahgre River.	3.14		•						•	•		
9	Mainstem of Canyon Creek from its inception at the confluence of Imogene and Sneffles Creek to the confluence with the Uncompahgre River. Mainstem of Imogene Creek from its source to its confluence with Canyon Creek. Mainstem and all tributaries of Sneffles Creek from a point 1.5 miles above to its confluence with Canyon Creek.	8.78		•				•				•	
10	All tributaries to the Uncompahgre River, including all wetlands, lakes and reservoirs, from a point immediately below the confluence with Dexter Creek to the South Canal near Uncompahgre, except for specific listings in Segments 1 and 11.	106.20		•				• <sup>18</sup>	• <sup>18</sup>		•	•	
11	Mainstem of Coal Creek from the source to the Park Ditch, mainstem of Dallas Creek from the source of the East and West Forks to the confluence with the Uncompahgre River; mainstem of Cow Creek, including all tributaries, lakes and reservoirs, from the Uncompahgre Wilderness Area boundary to the confluence with the Uncompahgre River; Billy Creek; Onion Creek and Beaton Creek from their source to their confluences with Uncompahgre River; mainstem of Beaver Creek from source to the confluence with East Fork of Dallas Creek; and mainstem of Pleasant Valley Creek from the source to the confluence with Dallas Creek.	163.50	•					• <sup>18</sup>	• <sup>18</sup>		•	•	
12 +L	All tributaries to the Uncompahgre River, including all wetlands, lakes and reservoirs, from the South Canal near Uncompahgre to the confluence with the Gunnison River, except for specific listings in Segments 13, 14, 15a and 15b.	482.60 <sup>19</sup>				•				•		•	UP

Stream Segment <sup>1</sup>	Segment Description <sup>1</sup>	Stream Miles <sup>1</sup>	Aquatic Life <sup>1</sup>				Recreation <sup>1</sup>				Water Supply <sup>1</sup>	Agriculture <sup>1</sup>	Designation <sup>1</sup>	
			Cold 1	Cold 2	Warm 1	Warm 2	Existing	Potential	Not Suitable	Undetermined				
13	Mainstem of East Fork Dry Creek, Pryor Creek and West Fork Dry Creek from their sources to their confluence; mainstem of Spring Creek, West Fork Spring Creek and Middle Spring Creek from the source to Popular Road at the mouth of Spring Canyon, and mainstem of Mexican Gulch from the source to the Section line dividing Section 19 and 30, T49N, R9W.	50.40	•					•					•	
14	Sweitzer Lake.	20			•			•					•	
15a	Mainstem of Happy Canyon from West Canal to the confluence with the Uncompahgre River; mainstem of Horsefly Creek from the confluence with Wildcat Canyon to the confluence with the Uncompahgre River.	13.00				•				•			•	UP
15b	Mainstem of Dry Creek from the confluence of the East and West Forks to immediately above the confluence with Coalbank Canyon Creek.	9.93				•	•						•	UP
<b>Subtotal Segments</b>		20	6	6	1	6	9	3	10	0	8	20	9	
<b>Subtotal Miles<sup>11</sup></b>		998.62	295.48	163.01	0	534.41	180.81	278.48	809.03	0	397.53	998.62	617.53	
<b>Total Segments</b>		44	21	7	2	13	27	8	13	0	24	44	18	
<b>Total Miles<sup>21</sup></b>		4,163.16	1,851.60	219.21	60.00	2,026.63	1,748.62	632.01	2,071.83	0	3,183.07	4,163.16	2,282.39	

<sup>1</sup> WQCC 2010a, 2010b, 2010c; WQCD 2010a.

<sup>2</sup> Assessed lakes in this segment total 3,150.80 acres.

<sup>3</sup> Assessed lakes in this segment total 52.8 acres.

<sup>4</sup> UP = Use Protected.

<sup>5</sup> Lake-only segment. Lake acres = 267.30.

<sup>6</sup> Lake-only segment. Lake acres = 101.90.

<sup>7</sup> Segment is not suitable for recreational uses from November 1 to March 31 and has existing recreational uses from April 1 to October 31 annually.

<sup>8</sup> OW = Outstanding Waters.

<sup>9</sup> Assessed lakes in this segment total 315.70 acres.

<sup>10</sup> Lake-only segment. Lake acres = 364.90.

<sup>11</sup> Totals might not add due to rounding.

<sup>12</sup> Assessed lakes in this segment total 1.00 acres.

<sup>13</sup> Segment is not suitable for recreational uses from October 1 to March 31 and has existing recreational uses from April 1 to September 30 annually.

<sup>14</sup> Assessed lakes in this segment total 840.40 acres.



<sup>15</sup> Assessed lakes in this segment total 24.10 acres.

<sup>16</sup> Lake-only segment. Lake acres = 317.60.

<sup>17</sup> Lake-only segment. Lake acres = 528.00.

<sup>18</sup> Segment is potentially suitable for recreational uses from May 1 to October 31 but is not suitable for recreational uses from November 1 to April 30 annually.

<sup>19</sup> Assessed lakes in this segment total 163.20 acres.

<sup>20</sup> Lake-only segment. Lake acres = 171.40.

<sup>21</sup> All acres for lake-only segments and lakes that are part of a segment with streams or wetlands and that have been assessed have been individually footnoted and are not included in the segment miles.

**Exhibit 7-26. in text**

**Exhibit 7-27. in text**

**Exhibit 7-28. in text**

**Exhibit 7-29. in text**

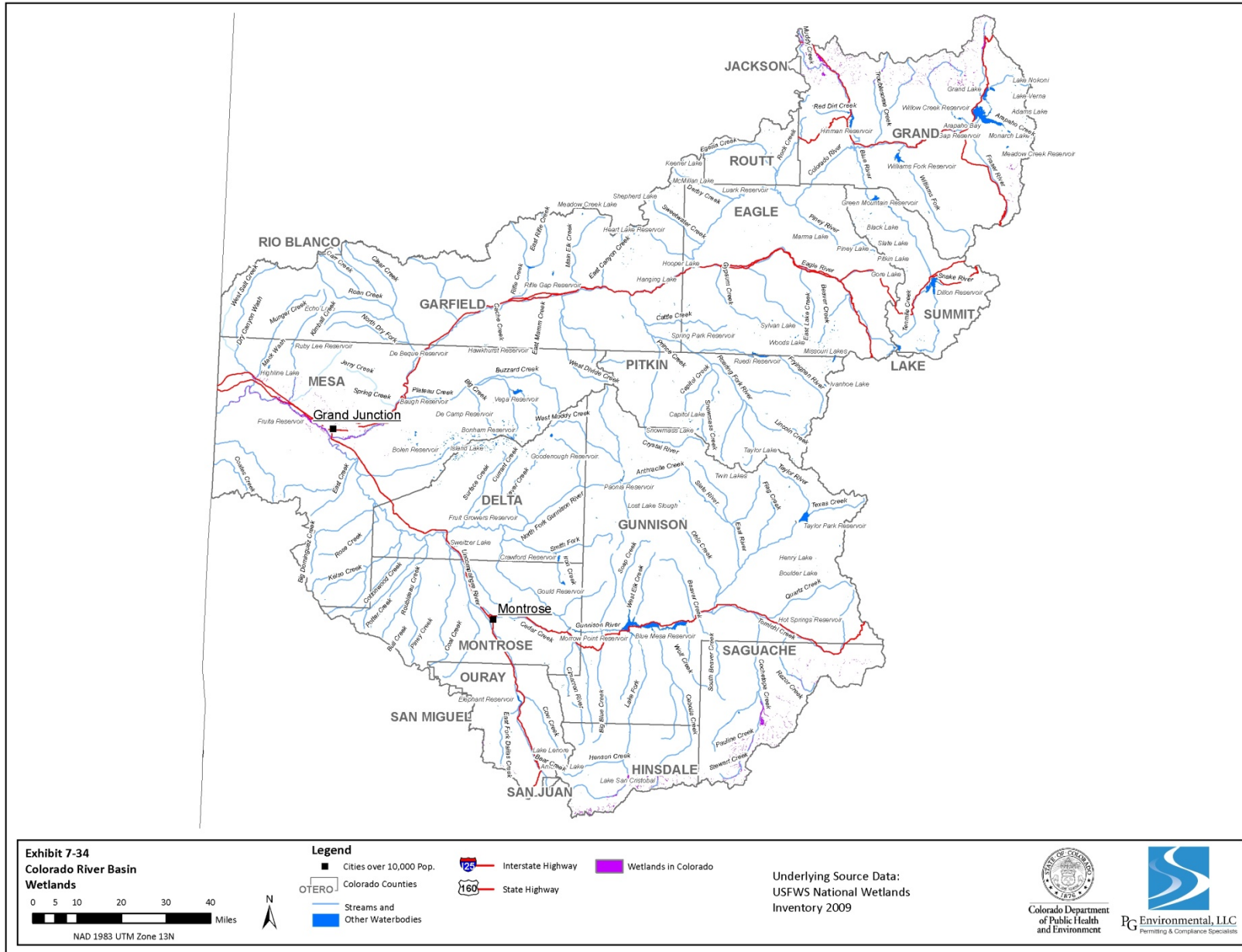
**Exhibit 7-30. in text**

**Exhibit 7-31. in text**

**Exhibit 7-32. in text**

**Exhibit 7-33. in text**

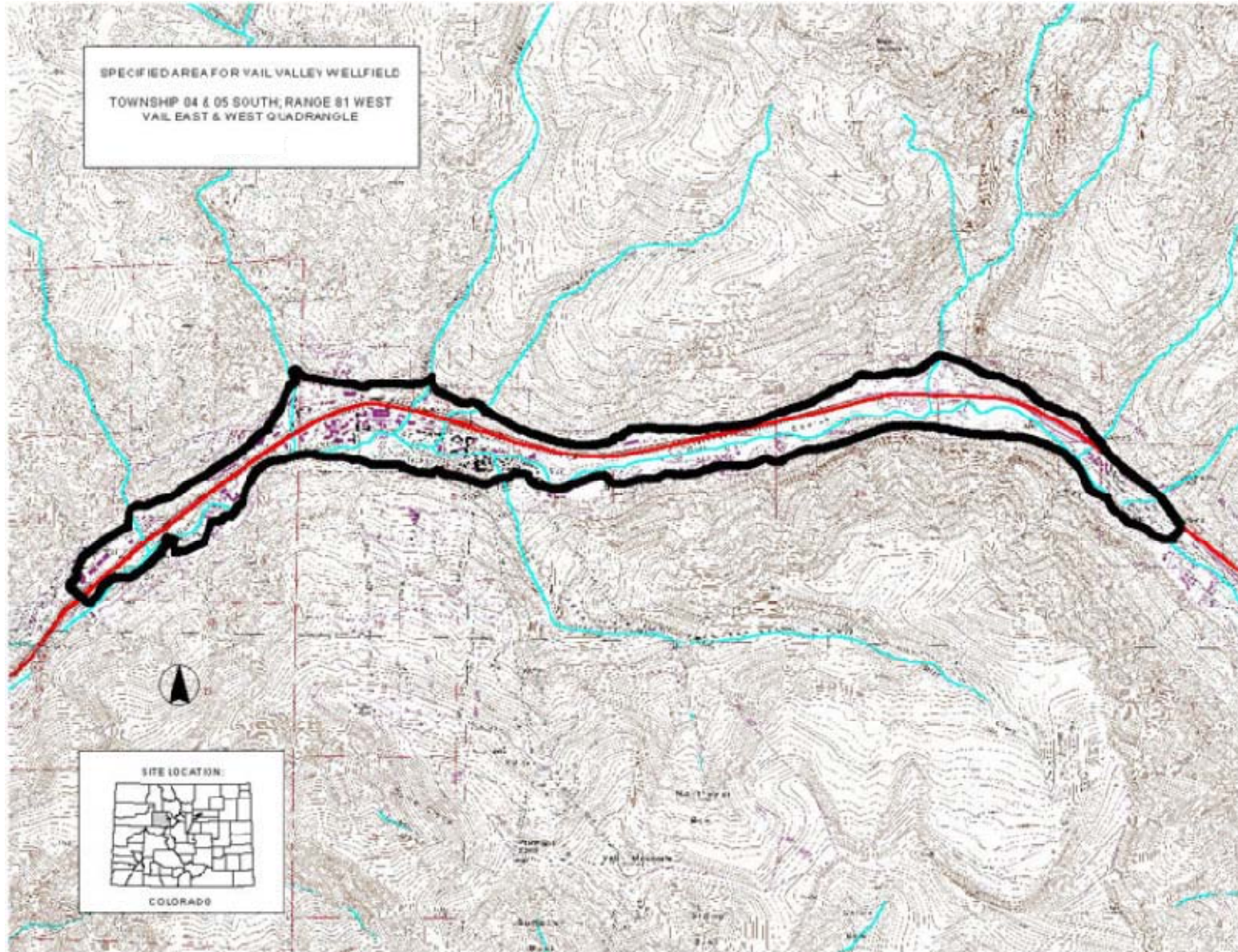
Exhibit 7-34. Colorado River Basin Wetlands



**Exhibit 7-35 in text**

**Exhibit 7-36 in text**

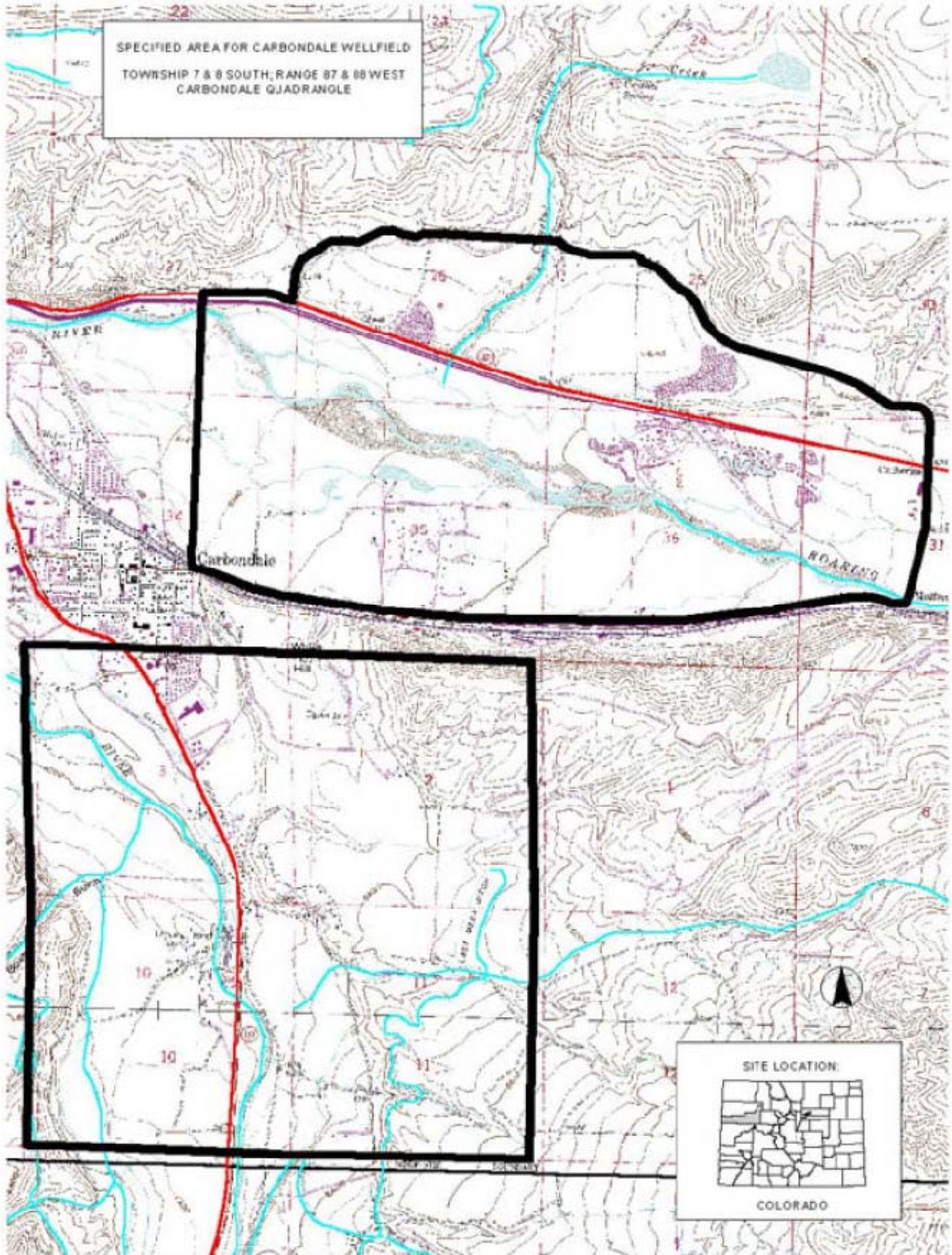
Exhibit 7-37. Upper Colorado River Sub-Basin; Vail Valley Consolidated Water District Wellfields, Eagle County



Source: WQCC 2006.



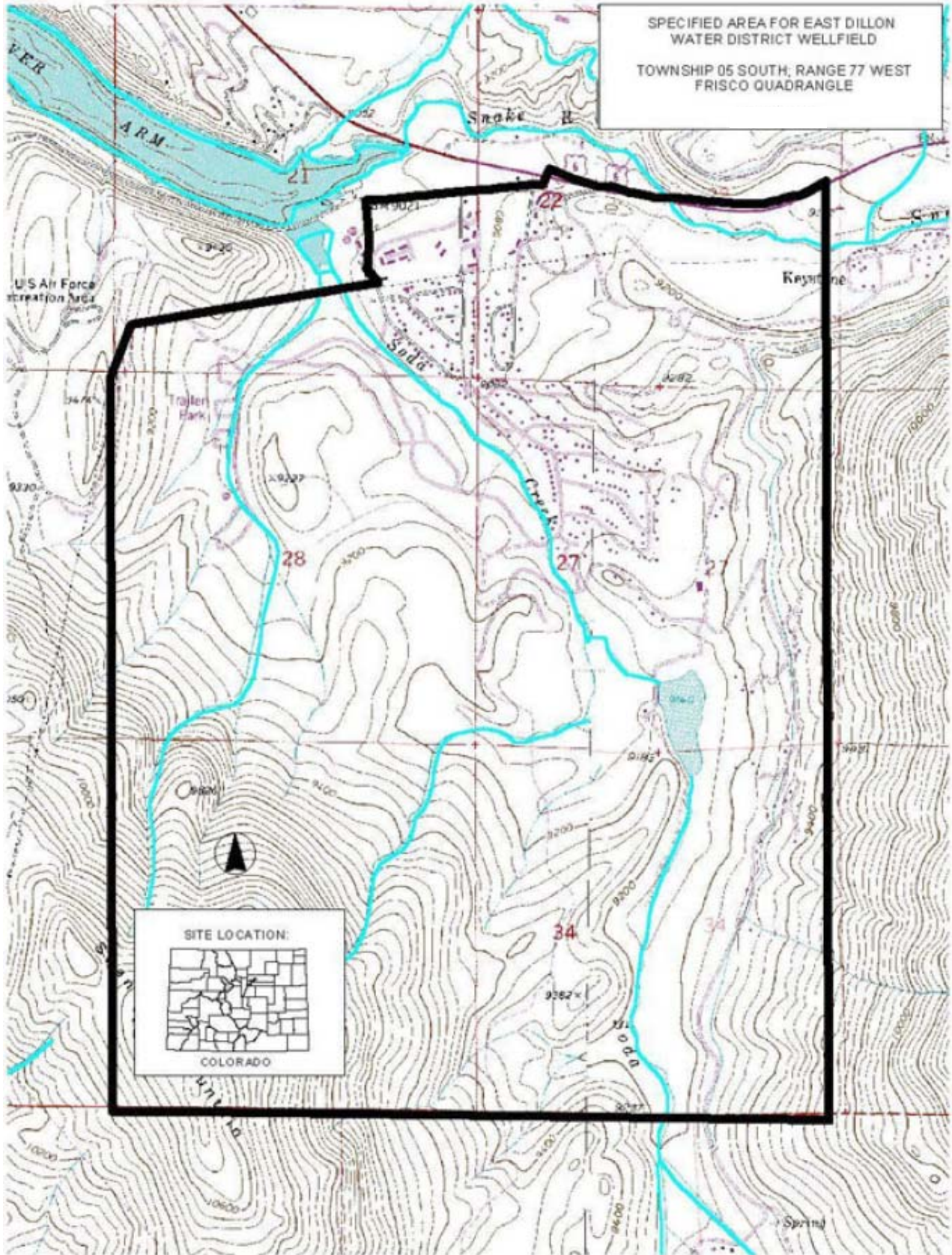
Exhibit 7-38. Upper Colorado River Sub-Basin; Town of Carbondale Wellfield, Garfield County



Source: WQCC 2006.



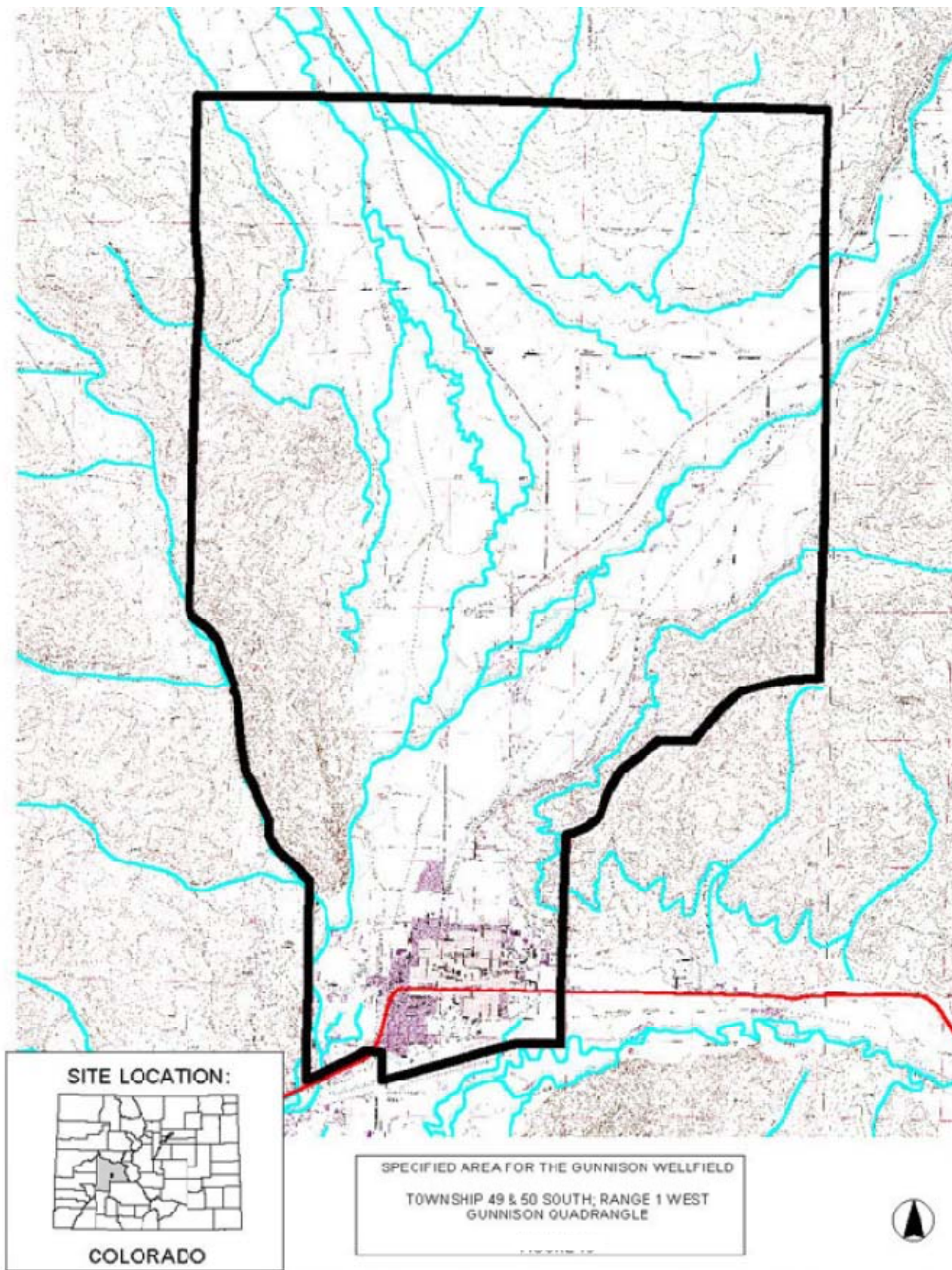
Exhibit 7-39. Upper Colorado River Sub-Basin; East Dillon Water District, Summit County



Source: WQCC 2006.



Exhibit 7-40. Upper Gunnison River Sub-Basin; City of Gunnison Wellfield, Gunnison County



Source: WQCC 2006.

**Exhibit 7-41. in text**

**Exhibit 7-42. in text**

**Exhibit 7-43. Colorado River Basin Impaired Stream Segments**

Number of Impaired Segments	Total Stream Miles Impaired	Use Categories Not Being Attained <i>(percent of classified uses by category basin-wide)</i>						Parameters (number of impacted segments)
		Aquatic Life Cold Water (n=169)	Aquatic Life Warm Water (n=26)	Existing Recreation (n=130)	Not Suitable for Recreation (n=33)	Water Supply (n=149)	Agriculture (n=194)	
<b>Upper Colorado (n=76 segments and 6,591.88 stream miles)</b>								
16	120.34	15 (9%)	0 (0%)	1 (1%)	0 (0%)	0 (0%)	0 (0%)	Temperature (4) Cadmium (2) Selenium (1) Iron (1) Zinc (1) Sediment (1)
<b>Lower Colorado (n=43 segments and 4,553.59 stream miles)</b>								
8	1,829.80	2 (1%)	6 (23%)	2 (2%)	0 (0%)	0 (0%)	0 (0%)	Selenium (6) Sediment (1) E. coli (1) Iron (1)
<b>Upper Gunnison (n= 33 segments and 3,334.22 stream miles)</b>								
8	66.70	8 (5%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	Zinc (8) Cadmium (7) Copper (2) Lead (2) pH (1) Manganese (1)
<b>Lower Gunnison (n=44 segments and 4,163.16 stream miles)</b>								
14	1,922.39	7 (4%)	7 (27%)	0 (0%)	0 (0%)	1 (1%)	3 (2%)	Selenium (11)
<b>Basin-wide (n= 196 segments and 18,642.85 stream miles)</b>								
46	3,939.23	32 (19%)	13 (50%)	3 (2%)	0 (0%)	1 (1%)	3 (2%)	Selenium (18) Cadmium (9) Zinc (9) Temperature (4) Iron (2) Sediment (2) Copper (2) Lead (2) E. coli (1) pH (1) Manganese (1)
<b>Impaired Segments and Miles As Percent of Total Segments and Stream Miles in Basin</b>								
23%	21%							

Source: WQCC 2010d; WQCD 2010a, appendices A to D.

Exhibit 7-44. Upper Colorado River Sub-Basin Impairments by Stream Segment<sup>1</sup>

Stream Segment	Stream Miles	Were All Uses Attained in 2010?	Segment Portion	Portion Miles <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>						Source <sup>5</sup>	TMDL Development Status <sup>6</sup>			
					C1	C2	W1	W2	RE	RNS	WS	AG		Temp.	Se	Fe	Zn	Cd	Sediment		L	M	H	
					<b>Upper Colorado River (COUCUC)</b>																			
3.	133.60	N	From Lake Granby to just above the confluence with the Blue River	29.20					•					•							UK			•
4.	920.00	N	Ranch Creek	12.80	•									•							UK			•
6c.	1.01	N	Willow Creek, Unnamed tributary to	1.01		•																		
7a.	457.60	N	Alkali Slough	6.40	•										•	•					UK	•		
7b.	731.30	N	Muddy Creek from Cow Gulch to the Colorado River	9.20	•									•							UK			•
10c.	18.30	N	All	18.30	•									•							N/A	•		
<b>Subtotal Segments Impaired</b>			6																					
<b>Subtotal Stream Miles Impaired</b>			76.91																					
<b>Blue River (COUCBL)</b>																								
6a.	23.41	N	Snake River - below Peru Creek to Dillon Reservoir	8.41	•							•	UP <sup>7</sup>											
7.	5.94	N	Peru Creek	5.94	•								UP											
12.	5.48	N	Illinois Gulch	3.88		•											•	•			M		•	
18.	196.00	N	Straight Creek	9.60	•																			
<b>Subtotal Segments Impaired</b>			4																					
<b>Subtotal Stream Miles Impaired</b>			27.83																					
<b>Eagle River (COUCEA)</b>																								
5a.	2.10	N	Eagle River, bridge @ Belden to Highway 24 bridge	2.10	•																			





Exhibit 7-45. Lower Colorado River Sub-Basin Impairments by Stream Segment<sup>1</sup>

Stream Segment	Stream Miles	Were All Uses Attained in 2010?	Segment Portion	Portion Miles <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>				Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		Se	Sediment	<i>E. coli</i>	Fe		L	M	H
					<b>Lower Colorado River (COLCLC)</b>																
2b.	21.1	N	Humphrey Backwater area	0.90			•							•				UK		•	
3.	43.9	N	All	43.90			•							•				UK		•	
4a.	160.3	N	All	160.30		•								•				UK		•	
10.	73.1	N	All	147.50	•									•				UK	•		
13b.	1271.9	N	Salt Creek	83.00				•				UP <sup>7</sup>			•			UK	•		
13b.	1271.9	N	All	1,271.90				•	•			UP	•					UK		•	
13b.	1271.9	N	Adobe Creek	21.30				•	•			UP				•	•	UK			•
14c.	185.4	N	Dry Fork	101.00			•							•				UK	•		
<b>Total Segments Impaired</b>			8																		
<b>Total Stream Miles Impaired</b>			1,829.80																		

<sup>1</sup> The table includes all segments that are not attaining one or more of their classified uses as presented in appendix A of the 2010 Integrated Report. This can include segments for which a TMDL has been developed (which means the segment is not listed on the 2010 CWA section 303(d) list (Regulation No. 93) (WQCC 2010d; WQCD 2010a). For these segments it likely means that the full effects of TMDL implementation are yet to be realized and the segment has yet to attain its classified uses. The cells for “parameters causing impairments,” “source(s),” and “TMDL development status” are left blank in these cases.

<sup>2</sup> Totals might not add due to rounding.

<sup>3</sup> Key to Classified Uses: C1 = Aquatic Life Cold Water 1, C2 = Aquatic Life Cold Water 2, W1 = Aquatic Life Warm Water 1, W2 = Aquatic Life Warm Water 2, RE = Recreation Existing, RNS = Recreation Not Suitable, WS = Water Supply, and AG = Agriculture.

<sup>4</sup> Key to Parameters: Se = selenium, *E. coli* = *Escherichia coli*, and Fe = iron.

<sup>5</sup> Key to Sources: UK = unknown.

<sup>6</sup> Key to TMDL Development Status: L = low priority, M = medium priority, and H = high priority

<sup>7</sup> UP = Use Protected.

Sources: WQCC 2010d; WQCD 2010a, appendices A to D.

Exhibit 7-46. Upper Gunnison River Sub-Basin Impairments by Stream Segment<sup>1</sup>

Stream Segment	Stream Miles	Were All Uses Attained in 2010?	Segment Portion	Portion Miles <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>						Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		Zn	Cd	Cu	Pb	pH	Mn		L	M	H
					<b>Upper Gunnison River (COGUUG)</b>																		
7	11.87	N	Below Oh-Be-Joyful Creek	4.66	•									•						UK			•
8	8.97	N	All	8.97	•									•	•					UK, M			•
10	2.17	N	All	2.17	•									•	•	•	•			UK, M			•
11	4.85	N	All	4.85	•									•	•		•			M			•
12	4.90	N	Coal Creek	2.74	•									•	•					M, US			•
29a	186.40	N	Deadman Gulch	1.00	•									•	•	•		•	•	M			•
30	40.60	N	All	40.60	•									•	•					M			•
31	1.71	N	All	1.71		•							UP <sup>7</sup>	•	•					M		•	
<b>Total Segments Impaired</b>			8																				
<b>Total Stream Miles Impaired</b>			66.70																				

<sup>1</sup> The table includes all segments that are not attaining one or more of their classified uses as presented in appendix A of the 2010 Integrated Report. This can include segments for which a TMDL has been developed (which means the segment is not listed on the 2010 CWA section 303(d) list (Regulation No. 93) (WQCC 2010d; WQCD 2010a). For these segments it likely means that the full effects of TMDL implementation are yet to be realized and the segment has yet to attain its classified uses. The cells for “parameters causing impairments,” “source(s),” and “TMDL development status” are left blank in these cases.

<sup>2</sup> Totals might not add due to rounding.

<sup>3</sup> Key to Classified Uses: C1 = Aquatic Life Cold Water 1, C2 = Aquatic Life Cold Water 2, W1 = Aquatic Life Warm Water 1, W2 = Aquatic Life Warm Water 2, RE = Recreation Existing, RNS = Recreation Not Suitable, WS = Water Supply, and AG = Agriculture.

<sup>4</sup> Key to Parameters: Se = selenium, *E. coli* = *Escherichia coli*, and Fe = iron.

<sup>5</sup> Key to Sources: UK = unknown, M = mining, and US = upstream source.

<sup>6</sup> Key to TMDL Development Status: L = low priority, M = medium priority, and H = high priority.

<sup>7</sup> UP = Use Protected.

Sources: WQCC 2010d; WQCD 2010a, appendices A to D.

Exhibit 7-47. Lower Gunnison River Sub-Basin Impairments by Stream Segment<sup>1</sup>

Stream Segment	Stream Miles	Were All Uses Attained in 2010?	Segment Portion	Portion Miles <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>	Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		Se		L	M	H
<b>Lower Gunnison River (COGULG)</b>																		
2.	60.00	N	All	60.00	•									•	M			•
4a	1243.20	N	All	1,243.20				•			•	•	UP <sup>7</sup>	•	M			•
4c	3.82	N	All	3.82				•				•	UP	•	M			•
8	22.70	N	Kannah Creek below USGS station 09152000	13.10				•						•	M			•
<b>Subtotal Segments Impaired</b>			4															
<b>Subtotal Stream Miles Impaired</b>			1,320.12															
<b>North Fork Gunnison (COGUNF)</b>																		
3	19.60	N	All	19.60	•									•	US			•
5	52.13	N	Leroux Creek, Jay Creek,	24.83	•									•	US			•
6a	101.00	N	Short Draw	7.40	•								UP	•	UK			•
6b	42.90	N	Cottonwood Creek, Big Gulch	12.10				•					UP	•	UK			•
<b>Subtotal Segments Impaired</b>			4															
<b>Subtotal Stream Miles Impaired</b>			63.93															
<b>Uncompahgre River (COGUUN)</b>																		
2	5.48	N	Uncompahgre River	5.48	•													
3a	39.50	N	Uncompahgre River, Ridgeway Res. To Montrose	22.70	•													
4b	25.30	N	All	25.30				•					UP	•	M			•
4c	0.48	N	All	0.48				•					UP	•	M			•
6a	1.78	N	Red Mountain Creek	1.78		•												
12	482.60	N	All	482.60				•				•	UP	•	M			•
<b>Subtotal Segments Impaired</b>			6															

Stream Segment	Stream Miles	Were All Uses Attained in 2010?	Segment Portion	Portion Miles <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>	Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		Se		L	M	H
					<b>Subtotal Stream Miles Impaired</b>			538.34										
<b>Total Segments Impaired</b>			<b>14</b>															
<b>Total Stream Miles Impaired</b>			<b>1,922.39</b>															

<sup>1</sup> The table includes all segments that are not attaining one or more of their classified uses as presented in appendix A of the 2010 Integrated Report. This can include segments for which a TMDL has been developed (which means the segment is not listed on the 2010 CWA section 303(d) list (Regulation No. 93) (WQCC 2010d; WQCD 2010a). For these segments it likely means that the full effects of TMDL implementation are yet to be realized and the segment has yet to attain its classified uses. The cells for “parameters causing impairments,” “source(s),” and “TMDL development status” are left blank in these cases.

<sup>2</sup> Totals might not add due to rounding.

<sup>3</sup> Key to Classified Uses: C1 = Aquatic Life Cold Water 1, C2 = Aquatic Life Cold Water 2, W1 = Aquatic Life Warm Water 1, W2 = Aquatic Life Warm Water 2, RE = Recreation Existing, RNS = Recreation Not Suitable, WS = Water Supply, and AG = Agriculture.

<sup>4</sup> Key to Parameters: Se = selenium.

<sup>5</sup> Key to Sources: UK = unknown, M = mining, and US = upstream source.

<sup>6</sup> Key to TMDL Development Status: L = low priority, M = medium priority, and H = high priority.

<sup>7</sup> UP = Use Protected.

Sources: WQCC 2010d; WQCD 2010a, appendices A to D.

Exhibit 7-48. Colorado River Basin Impaired Lake/Reservoir Segments

Number of Impaired Segments	Total Acres Impaired	Use Categories Not Being Attained <i>(percent of classified uses by category basin wide)</i>								Parameters (number of impacted segments)
		Aquatic Life Cold Water (n=25)	Aquatic Life Warm Water (n=8)	Existing Recreation (n=27)	Potential Recreation (n=2)	Not Suitable for Recreation (n=3)	Undetermined Recreation (n=2)	Water Supply (n=25)	Agriculture (n=32)	
<b>Upper Colorado (n=10 segments and 25,520.70 acres)</b>										
2	8,322.30	2 (8%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	Dissolved oxygen (1) Mercury (1)
<b>Lower Colorado (n=5 segments and 4,401.70 acres)</b>										
3	435.50	1 (4%)	2 (25%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	Selenium (2) Mercury (1)
<b>Upper Gunnison (n= 5 segments and 12,784.00 acres)</b>										
There are no impaired lakes in the Upper Gunnison River Sub-Basin.										
<b>Lower Gunnison (n=13 segments and 6,299.10 acres)</b>										
3	369.90	0 (0%)	3 (38%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	Dissolved oxygen (1) Mercury (1) Selenium (1)
<b>Basin-Wide (n= 33 segments and 49,005.50 acres)</b>										
8	9,127.70	3 (12%)	5 (63%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	Mercury (3) Selenium (3) Dissolved oxygen (2)
<b>Impaired Segments and Acres As Percent of Total Segments and Lake Acres in Basin</b>										
24%	19%									

Source: WQCC 2010d; WQCD 2010a, appendices A to D.

Exhibit 7-49. Upper Colorado River Sub-Basin Impairments by Lake/Reservoir Segment<sup>1</sup>

Lake Segment	Lake Acres	Were All Uses Attained in 2010?	Segment Portion	Portion Lake Acres <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>		Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		D.O.	Hg		L	M	H
					<b>Upper Colorado River (COUCUC)</b>														
12	9,387.60	N	Shadow Mountain Lake	1,282.00	•									•		N/A			•
		N	Lake Granby	7,040.30	•										•		N/A		
<b>Total Segments Impaired</b>			2																
<b>Total Lake Acres Impaired</b>			8,322.30																

<sup>1</sup> The table includes all segments that are not attaining one or more of their classified uses as presented in appendix B of the 2010 Integrated Report. This can include segments for which a TMDL has been developed (which means the segment is not listed on the 2010 CWA section 303(d) list (Regulation No. 93) (WQCC 2010d; WQCD 2010a). For these segments it likely means that the full effects of TMDL implementation are yet to be realized and the segment has yet to attain its classified uses. The cells for “parameters causing impairments,” “source(s),” and “TMDL development status” are left blank in these cases.

<sup>2</sup> Totals might not add due to rounding

<sup>3</sup> Key to Classified Uses: C1 = Aquatic Life Cold Water 1, C2 = Aquatic Life Cold Water 2, W1 = Aquatic Life Warm Water 1, W2 = Aquatic Life Warm Water 2, RE = Recreation Existing, RNS = Recreation Not Suitable, WS = Water Supply, and AG = Agriculture.

<sup>4</sup> Key to Parameters: D.O. = dissolved oxygen and Hg = mercury.

<sup>5</sup> Key to Sources: N/A = not assessed.

<sup>6</sup> Key to TMDL Development Status: L = low priority, M = medium priority, and H = high priority.

Sources: WQCC 2010d; WQCD 2010a, appendices A to D.



Exhibit 7-50. Lower Colorado River Sub-Basin Impairments by Lake/Reservoir Segment<sup>1</sup>

Lake Segment	Lake Acres	Were All Uses Attained in 2010?	Segment Portion	Portion Lake Acres <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>		Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		Se	Hg		L	M	H
					<b>Lower Colorado River (COLCLC)</b>														
13c	117	N	All	117.00			•							•		UK		•	
19	854.6	N	West Pond Orchard Mesa Wildlife Area	3.00			•							•		UK			•
20	1386.7	N	Rifle Gap Reservoir	315.50	•									•		UK			•
<b>Total Segments Impaired</b>			3																
<b>Total Lake Acres Impaired</b>			435.50																

<sup>1</sup> The table includes all segments that are not attaining one or more of their classified uses as presented in appendix B of the 2010 Integrated Report. This can include segments for which a TMDL has been developed (which means the segment is not listed on the 2010 CWA section 303(d) list (Regulation No. 93) (WQCC 2010d; WQCD 2010a). For these segments it likely means that the full effects of TMDL implementation are yet to be realized and the segment has yet to attain its classified uses. The cells for “parameters causing impairments,” “source(s),” and “TMDL development status” are left blank in these cases.

<sup>2</sup> Totals might not add due to rounding.

<sup>3</sup> Key to Classified Uses: C1 = Aquatic Life Cold Water 1, C2 = Aquatic Life Cold Water 2, W1 = Aquatic Life Warm Water 1, W2 = Aquatic Life Warm Water 2, RE = Recreation Existing, RNS = Recreation Not Suitable, WS = Water Supply, and AG = Agriculture.

<sup>4</sup> Key to Parameters: Se = selenium and Hg = mercury.

<sup>5</sup> Key to Sources: UK = unknown.

<sup>6</sup> Key to TMDL Development Status: L = low priority, M = medium priority, and H = high priority.

Sources: WQCC 2010d;WQCD 2010a, appendices A to D.

Exhibit 7-51. Lower Gunnison River Sub-Basin Impairments by Lake/Reservoir Segment<sup>1</sup>

Lake Segment	Lake Acres	Were All Uses Attained in 2010?	Segment Portion	Portion Lake Acres <sup>2</sup>	Use(s) Not Attained <sup>3</sup>								Desig	Parameter(s) Causing Impairments <sup>4</sup>			Source <sup>5</sup>	TMDL Development Status <sup>6</sup>		
					C1	C2	W1	W2	RE	RNS	WS	AG		Hg	D.O.	Se		L	M	H
					<b>Lower Gunnison River (COGULG)</b>															
4b	267.30	N	Juniata Reservoir	96.60				•					UP <sup>7</sup>	•			N/A			•
9	101.90	N	All	101.90				•					UP		•		UK			•
<b>Subtotal Segments Impaired</b>			2																	
<b>Subtotal Lake Acres Impaired</b>			198.50																	
<b>Uncompahgre River (COGUUN)</b>																				
14	171.40	N	All	171.40			•									•	UK			•
<b>Subtotal Segments Impaired</b>			1																	
<b>Subtotal Lake Acres Impaired</b>			171.40																	
<b>Total Segments Impaired</b>			3																	
<b>Total Lake Acres Impaired</b>			369.90																	

<sup>1</sup> The table includes all segments that are not attaining one or more of their classified uses as presented in appendix B of the 2010 Integrated Report. This can include segments for which a TMDL has been developed (which means the segment is not listed on the 2010 CWA section 303(d) list (Regulation No. 93) (WQCC 2010d; WQCD 2010a). For these segments it likely means that the full effects of TMDL implementation are yet to be realized and the segment has yet to attain its classified uses. The cells for “parameters causing impairments,” “source(s),” and “TMDL development status” are left blank in these cases.

<sup>2</sup> Totals might not add due to rounding.

<sup>3</sup> Key to Classified Uses: C1 = Aquatic Life Cold Water 1, C2 = Aquatic Life Cold Water 2, W1 = Aquatic Life Warm Water 1, W2 = Aquatic Life Warm Water 2, RE = Recreation Existing, RNS = Recreation Not Suitable, WS = Water Supply, and AG = Agriculture.

<sup>4</sup> Key to Parameters: Hg = mercury, D.O. = dissolved oxygen, and Se = selenium.

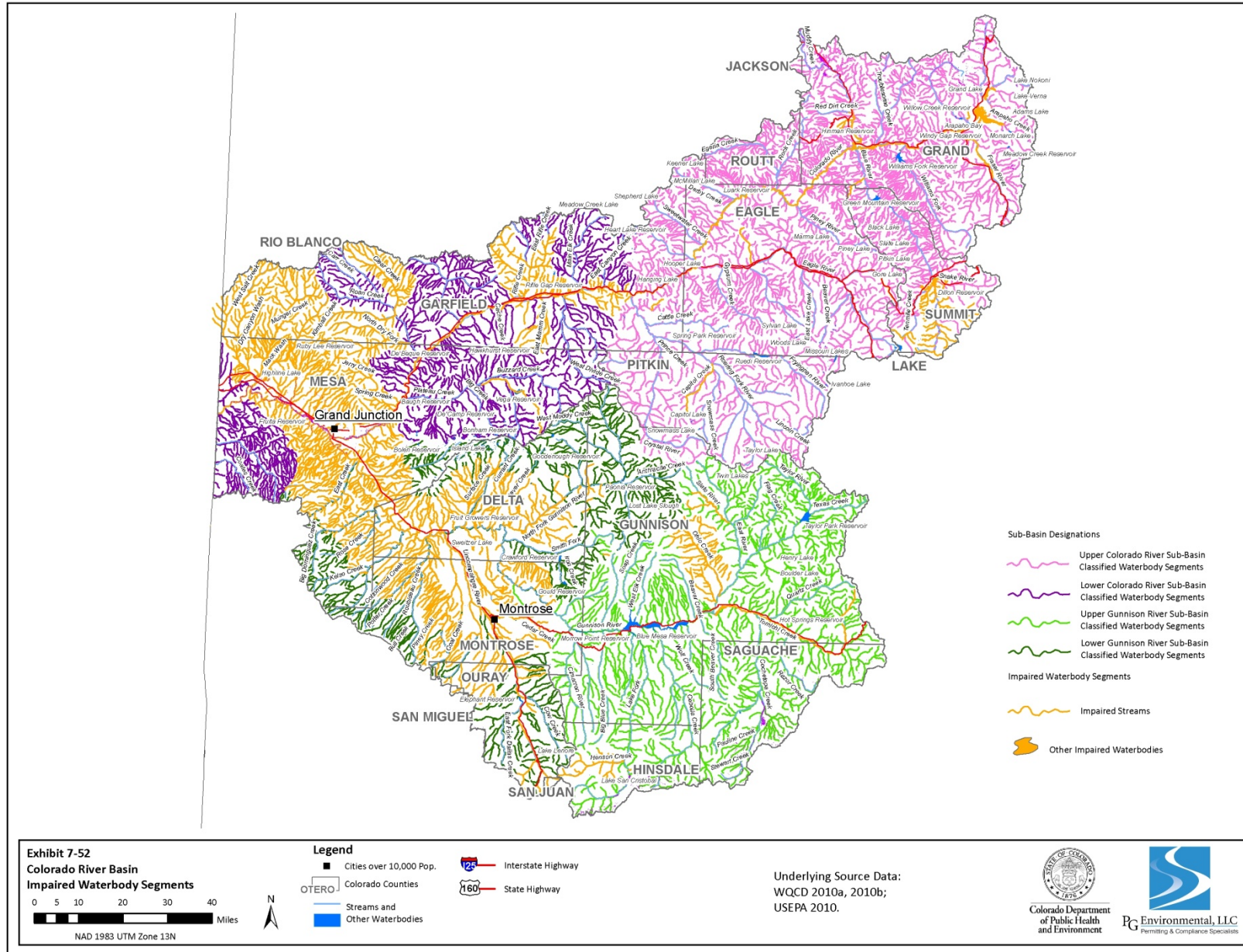
<sup>5</sup> Key to Sources: UK = unknown and N/A = not assessed.

<sup>6</sup> Key to Development TMDL Status: L = low priority, M = medium priority, and H = high priority.

<sup>7</sup> UP = Use Protected.

Sources: WQCC 2010d; WQCD 2010a, appendices A to D.

Exhibit 7-52. Colorado River Basin Impaired Waterbody Segments



**Exhibit 7-53. Colorado River Basin Summary of Waterbody Segments Listed for Further Monitoring and Evaluation**

Number of Segments <sup>1</sup>	Number of Segments as Percent of Total Segments in Sub-Basin or Basin	Parameters of Concern										
		Dissolved Oxygen	Temperature	Copper	Cadmium	Zinc	Iron (Trec)	Selenium	Sediment	<i>E. coli</i>	Lead	Zinc (sculpin)
<b>Upper Colorado (76 total segments in sub-basin)</b>												
11	14%	2	2	1	1	1	3	2	0	0	0	0
<b>Lower Colorado (43 total segments in sub-basin)</b>												
11	26%	1	0	2	0	1	5	4	3	4	2	0
<b>Upper Gunnison (33 segments in sub-basin)</b>												
6	18%	1	0	1	1	0	0	0	0	1	1	2
<b>Lower Gunnison (44 segments in sub-basin)</b>												
16	36%	1	0	1	1	2	4	5	6	0	1	0
<b>Basin-wide (196 total segments in basin)</b>												
44	22%	5	2	5	3	4	12	11	9	5	4	2

<sup>1</sup> Segments include combined stream and lake/reservoir segments.

Sources: WQCC 2010d; WQCD 2010a, appendix D.

Exhibit 7-54. Upper Colorado River Sub-Basin Waterbody Segments Listed for Further Monitoring and Evaluation

Segment	Segment Portion(s)	Parameters of Concern and Source(s) if Known						
		Dissolved Oxygen	Temperature	Copper	Cadmium	Zinc	Iron (Trec)	Selenium
<b>Upper Colorado River (COUCUC)</b>								
5	Wolford Mountain Reservoir	•						
6b	All	•						
7a	Muddy Creek and tribs		•					
7b	Muddy Creek from Wolford Mountain Reservoir to Cow Gulch		•					
10c	From the Town of Fraser to the confluence with the Colorado River.			•				
<b>Blue River (COUCBL)</b>								
4a	All				•	•		
20	Spruce Creek						•	
<b>Eagle River (COUCEA)</b>								
10a	Eby Creek							•
<b>Roaring Fork River (COUCRF)</b>								
3a	Capitol Creek							•
3b	Landis Creek						•	
10	Thompson Creek						•	
Total Segments with One or More Portions on M&E List	11	2	2	1	1	1	3	2
Total as Percent of All Segments in Sub-basin, n=76	14%	3%	3%	1%	1%	1%	4%	3%

Sources: WQCC 2010d; WQCD 2010a, appendix D.

Exhibit 7-55. Lower Colorado River Sub-Basin Waterbody Segments Listed for Further Monitoring and Evaluation

Segment (COLCLC)	Segment Portion(s)	Parameters of Concern and Source(s) if Known							
		Sediment	Selenium	<i>E. coli</i>	Copper	Iron (Trec)	Lead	Zinc	Dissolved Oxygen
1	All	•							
2a	All	•							
2b	All	•	•						
4a	Alkali Creek			•	•	•	•	•	
4b	All						•		•
4c	All		•	• (May – Oct)	1				
10	West Rifle Creek					•			
10	All			•					
13b	Indian Wash					•			
14b	All			•		•			
15	All		•			•			
19	Maggio Pond, Peters Ponds 1, 2, 3, & 4		•						
Total Segments with One or More Portions on M&E List	11	3	4	4	2	5	2	1	1
Total as Percent of All Segments in Sub-basin, n=43	26%	7%	9%	9%	5%	12%	5%	2%	2%

Sources: WQCC 2010d; WQCD 2010a, appendix D.

**Exhibit 7-56. Upper Gunnison River Sub-Basin Waterbody Segments Listed for Further Monitoring and Evaluation**

Segment (COGUUG)	Segment Portion(s)	Parameters of Concern and Source(s) if Known					
		Cadmium	Zinc (sculpin)	Dissolved Oxygen	<i>E. coli</i>	Copper	Lead
7	Below Oh-Be-Joyful Creek	•					
16	All		•				
17	All			•			
18	All				•		
31	All					•	
32	All		•				•
Total Segments with One or More Portions on M&E List	6	1	2	1	1	1	1
<i>Total as Percent of All Segments in Sub-basin, n=33</i>	18%	3%	6%	3%	3%	3%	3%

Sources: WQCC 2010d; WQCD 2010a, appendix D.



**Exhibit 7-57. Lower Gunnison River Sub-Basin Waterbody Segments Listed for Further Monitoring and Evaluation**

Segment	Segment Portion(s)	Parameters of Concern and Source(s) if Known							
		Sediment	Selenium	Iron (Trec)	Cadmium	Copper	Zinc	Lead	Dissolved Oxygen
<b>Lower Gunnison (COGULG)</b>									
2	All	•							
4b	Jatz Bottomlands		•						
7	Tongue Creek, Ward Creek		•						
7	Surface Creek			•					
11a	Lunch Creek	•							
<b>North Fork of the Gunnison River (COGUNF)</b>									
6a	Coal Gulch, Hawksnest Creek, Gribble Gulch			•					
6b	Big Gulch		•						
6b	Cottonwood Creek			•					
<b>Uncompahgre River (COGUUN)</b>									
4a	All	•							
4b	All	•							
4c	All	•							
7	All			•					
8	All				•	•	•		
9	All						•		
9	Canyon Creek							•	
10	Alkali Creek		•						
11	Billy Creek, Onion Creek		•						
14	All								•
15b	Dry Creek Watershed	•							
Total Segments with One or More Portions on M&E List	16	6	5	4	1	1	2	1	1
Total as Percent of All Segments in Sub-basin, n=44	36%	14%	11%	9%	2%	2%	5%	2%	2%

Sources: WQCC 2010d; WQCD 2010a, appendix D.

**Exhibit 7-58. in text**

**Exhibit 7-59. in text**

**Exhibit 7-60. in text**

Exhibit 7-61. Colorado River Basin Completed and Approved TMDLs

Segment No. and Portion Description	Pollutant(s) Addressed (TMDL Date)	Source(s)	Watershed Description	Current and Possible Future Strategies Identified in TMDL Reports <sup>1</sup>
<b>Upper Colorado River Sub-Basin</b>				
COUCUC06c Unnamed tributary to Willow Creek	Ammonia	The TMDL is archived. <sup>2</sup>		
<p>COUCBL06 Snake River, source to Dillon Reservoir</p> <p>COUCBL07 Peru Creek</p> <p>Source: WQCD 2008b</p>	<p>pH Cadmium Copper Lead Zinc</p> <p>pH Cadmium Copper Lead Manganese Zinc</p> <p>(2008)</p>	<p>Natural geologic conditions and historical mining.</p> <p>Other impacts include ski tourism and drought.</p>	<p>The Snake River watershed is the eastern tributary to the Blue River, and is immediately west of the Continental Divide. The headwaters of the mainstem Snake River begin immediately west of the Continental Divide near Teller Mountain and flow northwest until they terminate at the inflow to Dillon Reservoir. The Snake River and its tributaries are contained within the boundaries of the Arapaho National Forest. Two major ski areas, Keystone Resort and Arapaho Basin, lie within the Snake River watershed. The year-round population in the Snake River watershed is 3,000; it increases to over 20,000 during ski season.</p> <p>The first major tributary, Deer Creek, sustains a natural source of metals, and the inflow, which is approximately equal to the Snake River flow, raises the pH and causes precipitation of aluminum and iron hydroxides in the mainstem Snake River. Other major tributaries to the Snake River that may contribute a significant amount of metals are Saints John Creek (Cd, Pb, and Zn) and Keystone Gulch (Cu).</p> <p>Peru Creek is the second major tributary to the Snake River and is approximately 5.5 miles long. The headwaters of Peru Creek begin just south of Gray's and Torrey's peaks in the Arapaho National Forest.</p>	<p><b>Previous and Current Activities:</b></p> <ul style="list-style-type: none"> <li>◆ The Arapaho Ski Area has switched from using metals-laden Snake River water for snowmaking to using uncontaminated water from the North Fork of the Snake River. The North Fork is a sizable tributary that dilutes waters of the mainstem as it enters the Keystone resort community</li> <li>◆ Low flows decrease dilution and increase instream heavy metals concentrations. Low flows occur in the late fall to early spring. Higher flows occur in the spring due to snowmelt, usually in May and June. The high flow tails through the summer. Winds, bank storage, spring seepage, tributary streams, and the warming effect of the sun have a greater impact on stream temperature during low flow; they could add to stressors on aquatic life.</li> <li>◆ In the late 1980s, the Colorado Division of Minerals and Geology (CDMG) built a passive treatment system at the Pennsylvania Mine adit that was designed to remove metals with minimum operation and maintenance costs. The system was designed to treat acid mine drainage flow from a mine tunnel on the site but later provided to be ineffective for the given metals concentrations. Modifications to the system were stopped due to concerns about the state's becoming liable for future site discharges.</li> <li>◆ The Snake River Watershed Task Force, which formed in 1999, has been compiling available data and identifying gaps with the goal of developing projects to prevent, reduce, or eliminate metals pollution. Task force members include representatives from state and federal agencies, industry, the public, and others.</li> <li>◆ The Keystone Center, the University of Colorado, and a Snake River Watershed Task Force member secured an EPA grant in 2001 to further characterize physical, chemical, and biological parameters within the Upper Snake, the Upper Peru Creek, and reaches below the confluence.</li> <li>◆ Through a CWA section 319 grant, the Northwest Colorado Council of Governments (NWCCOG), the Keystone Center, and the Snake River Task Force gathered all available water quality information for the watershed into a database that is now available to the public.</li> <li>◆ In 2001, EPA contracted a Snake River Tech Support Project, Site</li> </ul>

Segment No. and Portion Description	Pollutant(s) Addressed (TMDL Date)	Source(s)	Watershed Description	Current and Possible Future Strategies Identified in TMDL Reports <sup>1</sup>
				<p>Assessment. Under the project, researchers characterized water conditions in Peru Creek and the impact of that flow on water quality in the Snake River.</p> <ul style="list-style-type: none"> <li>◆ At the time the TMDL was written, the Pennsylvania Mine on segment 7 and associated mill tailings and waste piles were being studied for potential listing on the National Priorities List under the Superfund program. Remediation of the Pennsylvania Mine and surrounding area has the potential to greatly affect and improve water quality in the Snake River below the confluence with Peru Creek.</li> </ul> <p><b>Future Activities:</b> The TMDL for pH, cadmium, copper, lead, and zinc for the Snake River and Peru Creek indicates that existing and future activities on public and private lands in the Snake River watershed face constraints that could impact important social and economic development in the watershed. Future critical water quality actions include reductions in metals pollution, restoration of fisheries, and protection of water supplies. Additional identified activities include the following:</p> <ul style="list-style-type: none"> <li>◆ Realize goals for the Pennsylvania Mine, which include instituting a water quality treatment program for discharge from the mine to reduce metals pollution, redeveloping the area into open space, and establishing a healthy trout fishery in the Snake River. EPA has designated the site for remediation activities under Superfund.</li> <li>◆ The TMDL calls for monitoring to ensure the TMDL is adequately protective and to evaluate the progress of treatment of heavy metals from the Pennsylvania Mine.</li> <li>◆ EPA, state agencies, and local watershed groups will continue site investigations to better quantify the current water quality of Peru Creek.</li> </ul>
<p><b>COUCBL12</b> Illinois Gulch and Fredonia Gulch – Public Notice Draft  Source: WQCD 2009g</p>	<p>Zinc  (2009)</p>	<p>Natural geologic conditions and acid mine drainage from the Puzzle Ouray Mine site.</p>	<p>The drainage area of the Illinois Gulch watershed is 8.08 square kilometers. The elevation at the mouth of the watershed is 2,932 meters. The Gulch is snowmelt dominated. The heavy metals pollution is attributed to both natural and acid mine drainage from the Puzzle Mine, a nonactive historical mine site. Seepage from the mine site enters Iron Springs Gulch, a tributary to the Illinois Gulch.</p>	<p><b>Previous and Current Activities:</b> The WQCD completed and had approved a TMDL for dissolved zinc for the Illinois Gulch in 2009. The metals pollution was attributed primarily to natural geologic conditions and acid mine drainage from the Puzzle Ouray Mine site. At the time the TMDL was written, no remediation activities were planned for the Puzzle Ouray Mine site, nor were any other water quality restoration activities.</p> <p><b>Future Activities:</b></p> <ul style="list-style-type: none"> <li>◆ Remediate the contribution of zinc from Puzzle Ouray Mine and mine property to Iron Gulch.</li> <li>◆ Perform routine monitoring of the area.</li> <li>◆ Conduct additional monitoring if any remedial actions are undertaken at the mine, such as measurements of zinc</li> </ul>

Segment No. and Portion Description	Pollutant(s) Addressed (TMDL Date)	Source(s)	Watershed Description	Current and Possible Future Strategies Identified in TMDL Reports <sup>1</sup>
<p><b>COUCBL18</b> Straight Creek</p> <p>Source: WQCD 2000</p>	<p>Sediment</p> <p>(2000)</p>	<p>Historical construction and maintenance of the I-70 western approach to the Eisenhower Memorial Tunnel is the predominant source of excess sediment.</p> <p>The two main sources of sediment are the wash-off of applied traction sand and erosion of the cut and fill slopes of the I-70 approach to the Tunnel.</p>	<p>The Straight Creek watershed is a small (20 square miles) watershed of alpine and subalpine streams located approximately 50 miles west of Denver, Colorado in Summit County. The Straight Creek watershed lies in the United States Geological Service (USGS) hydrologic unit code 14010002. The mainstem and tributary waters of Straight Creek are included in the Segment 18 of the Blue River Basin (COUCCL18). Straight Creek is appropriately named because of the natural linear morphology of the stream.</p> <p>Elevations in the watershed vary from 8,800 feet at the lowest point to over 13,000 feet at the highest, with approximately one-third of the watershed above timberline. Interstate I-70 enters the watershed from the west portal of the Eisenhower Memorial Tunnel at an elevation of 11,200 feet. I-70 then roughly parallels Straight Creek, while both the stream and I-70 drop almost 3,000 feet in elevation to the point where I-70 crosses the Blue River below Dillon Reservoir. The I-70 bridge over the Blue River is just several hundred feet below the confluence of Straight Creek and the Blue River, which is immediately below Dillon Reservoir Dam. CDOW has designated the Blue River below Dillon Reservoir Dam as a gold medal trout stream of Colorado.</p> <p>The impacted portion of the watershed is the mainstem of Straight Creek, which runs in the valley below the foot of the fill slope of the western approach of I-70 to the Tunnel.</p>	<p>concentrations and flow monitoring of flows from Puzzle Mine and from Illinois Gulch upstream and downstream of the mine.</p> <p>The load allocations of the Straight Creek sediment TMDL lie in the sediment control practices, and the sanding and storage BMP's that the Colorado Department of Transportation (CDOT) will follow for the life of the roadway.</p> <p>The three major sources of sediment loading to Straight Creek will be reduced by the CDOT sediment control practices and BMPs. There are three sediment control practices to be done by CDOT:</p> <ul style="list-style-type: none"> <li>• The revegetation of at least 70% of the cut and fill slopes.</li> <li>• The cleaning and maintenance of the 12 sedimentation basins, holding pond above the Dillon drinking water diversion, and sediment control structures on the I-70 roadway.</li> <li>• The removal at least 25% of the traction sand applied yearly to the I-70 roadway between the Blue River and the west portal of the Tunnel.</li> </ul>
<p><b>COUCEA05</b> (segments a, b, and c) Eagle River, Belden to Gore Creek– Public Notice Draft</p> <p><b>COUCEA07b</b> Cross Creek, source to Eagle River – Public Notice Draft</p> <p>Source: WQCD 2009e</p>	<p>Copper Zinc</p> <p>(2009)</p>	<p>Historical mining activity.</p>	<p>The Eagle River flows from the Continental Divide through the towns of Minturn, Avon, Edwards, Wolcott, Eagle, and Gypsum and joins the Colorado River near Dotsero, Colorado. Drainage area of the watershed is approximately 950 square miles. Land use in the basin is predominantly forest and rangeland with agriculture and increasing urban/recreational land uses along the river corridor. The primary agriculture in the area is hay fields, which require no fertilization. The population of Eagle County, which encompasses the entire Eagle River drainage, has increased approximately 200% between 1970 and 1990</p> <p>The Eagle Mine Superfund site consists of the Eagle Mine</p>	<p><b>Previous and Current Activities:</b></p> <p>The Gilman area was placed on the Superfund National Priorities List in 1986. Remediation of the site began in 1988. A significant number of remedial actions that have resulted in improved water quality have been taken in the Eagle Creek watershed. Most of the activities were undertaken as part of the Superfund cleanup effort at Eagle Creek. Below is a summary of actions taken:</p> <ul style="list-style-type: none"> <li>• Contaminated soil from the Roaster Piles, the Old Tailings Pile, Rex Flats, and Pipeline/Trestle areas was removed and placed into a CTP.</li> <li>• The CTP was capped, and a permanent run-on and run-off control system (diversion ditches) were designed to handle the runoff from large precipitation events.</li> </ul>

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			<p>and associated mining wastes between Gilman and Minturn, in Eagle County, Colorado. The mine is located approximately 8 miles southwest of Vail and 100 miles west of Denver. The 235 acre site includes the Eagle Mine workings, the former town of Gilman, former roaster pile areas, former mine tailings piles, Rex Flats, Old Tailing Pile, Consolidated Tailings Pile (CTP), Maloit Park, water diversion components around the CTP, water treatment plant (WTP), a tailing slurry line and trestle, mine seepage and associated collection systems, the Belden Mill and load out areas, Rock Creek Canyon below Highway 24, and at least 14 waste rock piles.</p> <p>The Eagle River flows northwesterly through the site and past the town of Minturn. The consolidated tailings pile is 1,500 feet southeast of the Minturn Middle School and numerous residences.</p> <p>Cross Creek is an approximate 16 mile tributary to the Eagle River, and it flows in a northeasterly direction until its confluence with the Eagle River near Minturn, Colorado. Cross Creek originates at Blodgett Lake and runs parallel to the Holy Cross Ridge past Middle Mountain through the Holy Cross Wilderness Area. The USGS gauge on Cross Creek at Minturn, Colorado drains an area of approximately 34.2 square miles.</p>	<ul style="list-style-type: none"> <li>◆ New wells were constructed for the town of Minturn.</li> <li>◆ The areas around the Old Tailings Pile and Rex Flats were re-vegetated.</li> <li>◆ A mine water collection system and water treatment plant were designed and constructed to collect, transport, store, and treat mine water.</li> <li>◆ Storm drainage and other surface water flow around waste rock piles were rerouted.</li> <li>◆ Seep collection basins and a mine water return system were designed and constructed to collect mine water seepage and convey it to the main pipeline at the site.</li> <li>◆ Lead-zinc “product” from soil surface and inside the mine drying house in Belden was removed.</li> <li>◆ A lime and settling water treatment plant to treat acid mine water was constructed and placed into operation.</li> <li>◆ Groundwater contamination was remediated; actions included clean-up of Maloit Park, reduction of infiltration, diversion of water away from the CTP, and collection and treatment of groundwater from beneath the CTP.</li> <li>◆ A submersible pump was installed in the Rock Creek Well to enhance groundwater removal.</li> <li>◆ The Liberty Well was installed and enhanced to reduce recharge to the Eagle Mine.</li> <li>◆ Electrical transformers containing polychlorinated biphenyls (PCBs) located inside the mine workings were removed.</li> <li>◆ The effectiveness of response actions was monitored.</li> </ul> <p>The Eagle River has progressed from supporting little aquatic life to a marked increase in brown trout populations since the remediation work began on the river in 1985. Partners of the Eagle River Stream Restoration and Planning Project have subsequently planned additional work to restore aquatic life habitat conditions in the watershed. The activities completed to date include the following:</p> <ul style="list-style-type: none"> <li>◆ Determined the appropriate width/depth ratio, bankfull channel width, entrenchment ratio, and sinuosity required to restore the channel</li> <li>◆ Restored channel geometry</li> <li>◆ Incorporated instream fish habitat for overwintering, spawning and</li> </ul>



Segment No. and Portion Description	Pollutant(s) Addressed (TMDL Date)	Source(s)	Watershed Description	Current and Possible Future Strategies Identified in TMDL Reports <sup>1</sup>
				rearing areas • Created vegetated wetland and riparian zones adjacent to the stream as part of narrowing the main channel and improved wildlife and water quality function of the riparian zone. <b>Future Activities:</b> The TMDL needs to be revisited if continued monitoring indicates that the recently adopted site-specific seasonal standards (effective January 1, 2009) are not in attainment. Annual monitoring of the Eagle River is required under various Superfund agreements.
<b>Lower Colorado River Sub-Basin (COGUUG)</b>				
<i>Currently, no TMDLs have been completed and approved for segments in the Lower Colorado River Sub-Basin.</i>				
<b>Upper Gunnison River Sub-Basin (COGUUG)</b>				
<b>COGUUG30</b> Henson Creek – Public Notice Draft  <b>COGUUG31</b> Palmetto Gulch – Public Notice Draft  Source: WQCD 2008c, 2009a	Copper Zinc  (2008)	Source Loading from Palmetto Gulch.  Natural geologic conditions and historical mine activities.	The Palmetto Gulch watershed is 1.03 square miles (659 acres) and is near the headwaters of Henson Creek in Hinsdale County in the San Juan Mountains. The alpine watershed lies beneath Engineer Pass; its mean elevation is 12,400 feet. Most of the land cover of the watershed is sensitive alpine tundra and talus; only 3% is forest.  Henson Creek is a tributary to Lake Fork of the Gunnison River. The headwaters arise on Engineer Pass. The watershed is 83.6 square miles, and its elevation ranges from 8,680 feet at Lake City to over 14,000 feet.	<b>Previous and Current Activities:</b> • The Bureau of Land Management (BLM) has undertaken a number of remediation activities at historical mine sites on its lands, specifically, the Roy Pray mine. A concrete bulkhead was constructed to retain water in limited underground workings to eliminate acid mine drainage flowing from the Roy Pray mine. In 2003, the valve was closed on the bulkhead seal and the workings were allowed to fill. The bulkhead has significantly, but not entirely, reduced the volume of flow from the mine. • In 2005, the waste rock from the Roy Pray mine site was relocated by removing the toe of the dump from the drain and by reducing the slope along with the addition of lime for pH control. • In 2007, a polyethylene cover was placed over the dump at the Roy Pray mine. • The TMDL reports that remediation efforts at the Roy Pray mine have reduced the concentrations of cadmium and zinc under median September flow conditions at the mouth of Palmetto Gulch from 4.85 and 703 micrograms per liter (µg/L) to 3.46 and 477 µg/L, respectively. • The BLM has also undertaken reclamation work at the Wyoming mine. It has rerouted run-on water away from waste rock and has added amendments to the waste rock to neutralize the acid and metal contributions. • In 2005 and 2006, synoptic surveys of the Palmetto Gulch were undertaken under a CWA section 319 grant. The survey identified four mine adits as continuously or periodically discharging metals-laden water and 12 waste rock sources. The study attributed 27% of the surface load of zinc to natural and potential non-correctable, irreversible anthropogenic sources. Cadmium was not attributed to

Segment No. and Portion Description	Pollutant(s) Addressed (TMDL Date)	Source(s)	Watershed Description	Current and Possible Future Strategies Identified in TMDL Reports <sup>1</sup>
				<p>such sources.</p> <p><b>Future Activities:</b> The following activities are recommended as possible activities for the Palmetto Gulch and Henson Creek to reduce cadmium and zinc water quality problems:</p> <ul style="list-style-type: none"> <li>• Successful remediation at Hough Mine is necessary to achieve loading reductions for cadmium and zinc in both the Palmetto Gulch and Henson Creek.</li> <li>• Cadmium and zinc contributions from two waste piles at the Hough Mine site are the best opportunities to reduce loadings of metals to the Palmetto Gulch. The mine site accounts for 95% of loading from surface sources; the other 10 waste piles contribute about 5% of the load from waste rock.</li> <li>• The Sarah Woods Mine on BLM lands has been identified as a possible source of lead and zinc. Underground investigations and site monitoring are needed to determine the mine's role in loadings.</li> <li>• Further opportunities to control drainage from mine openings are limited by winter snow cover and a lack of access to the watershed.</li> </ul>
<b>Lower Gunnison River Sub-Basin</b>				
<p><b>COGULG01</b> Gunnison River from North Fork Gunnison River to the Uncompahgre River</p> <p><b>COGULG02</b> Gunnison River from the Uncompahgre River to the Colorado River</p> <p><b>COGULG04a</b> Tributaries to the Gunnison River</p> <p><b>COGULG04b</b> Lower Kannah Creek</p> <p><b>COGULG04c</b> Red Rock Creek</p>	<p>Selenium</p> <p>(2009)</p>	<p>Mancos Shale and Dakota Sandstone underlying the Gunnison and Uncompahgre River basins contribute selenium to groundwater through natural processes.</p>	<p>The headwaters of the Gunnison River lie along the western flank of the Continental Divide, in the Sawatch Mountains and Elk Mountains. The Uncompahgre River basin, which is tributary to the Gunnison, lies further to the southwest and originates in the Sneffles mining district. Water quality issues in the upper basins tend to be associated with historic mining activities and are not addressed in this document. The lower portions of the watershed are located in Delta, Mesa and Montrose counties in west-central Colorado. The elevated selenium levels evidenced in much of the lower basins are associated with both the underlying geology and the land uses which dominate as the drainages flatten at these lower elevations.</p> <p>The confluence of the Colorado and Gunnison Rivers is in Grand Junction and is located approximately 50 miles downstream from Delta. The confluence of the Gunnison and Uncompahgre Rivers is located in Delta, Colorado. From Delta, the study area extends approximately 26 miles upstream along the Uncompahgre River to Montrose, Colorado, and approximately 35 miles</p>	<p><b>Previous and Current Activities:</b> Prevention and restoration activities completed to date in the affected watersheds to address selenium include the following:</p> <ul style="list-style-type: none"> <li>• Since 1985, a multiagency program within the U.S. Department of the Interior (the National Irrigation Water Quality Program or NIWQP) investigated various irrigation projects in the western United States to determine whether drainage was having an adverse effect on water quality and fish and wildlife. High selenium concentrations were found in some water, sediment, and biota samples in the Uncompahgre River Basin and Grand Valley in west-central Colorado.</li> <li>• Findings from the above investigations also reveal that 60% or more of the selenium loading in the Gunnison River (as measured at Whitewater) originates from an area encompassing the Uncompahgre River Basin and the service area of the federally constructed Uncompahgre Project. That amount includes 40% from the Uncompahgre River Basin and 17% and more than 3% from portions of the Uncompahgre Project service area in the vicinity of Delta. Irrigation water delivery systems and on-farm applications to the Mancos Shale and soils derived from shale contribute a vast majority (about 90%) of the groundwater that mobilizes the</li> </ul>

Segment No. and Portion Description	Pollutant(s) Addressed (TMDL Date)	Source(s)	Watershed Description	Current and Possible Future Strategies Identified in TMDL Reports <sup>1</sup>
<p><b>COGUNF03</b> North Fork Gunnison River below Lazear</p> <p><b>COGUNF05</b> Leroux Creek and Jay Creek</p> <p><b>COGUNF06a</b> Short Draw</p> <p><b>COGUNF06b</b> Big Gulch and Cottonwood Creek</p> <p>Source: WQCD 2009f</p>			<p>upstream along the North Fork of the Gunnison River to Paonia, Colorado. The surface elevation at Whitewater is 4,659 feet, Delta is 4,957 feet, Paonia is 5,682 feet, and Montrose is 5807 feet.</p>	<p>selenium in the area.</p> <ul style="list-style-type: none"> <li>• The Gunnison Basin Selenium Task Force was formed in 1998 to examine projects or methods that might be feasible for reducing selenium levels in the Gunnison and Uncompahgre Rivers. The Task Force worked with the NIWQP, which is now inactive, on this effort. One of their objectives was to identify strategies that would also support the economic and lifestyle needs of local citizens.</li> <li>• The USGS has conducted several focused studies on selenium-related water quality issues. The studies revealed that the magnitude of selenium concentrations and loads in surface water features are directly related to the application of agriculture irrigation water.</li> <li>• Between 1998 and 1999, the piping of the irrigation drain of the Montrose Arroya was replaced. The Montrose Arroyo is a tributary of Cedar Creek, which is a tributary to the Uncompahgre River in the Montrose area. Over 8.5 miles of open laterals were repiped with about 7.5 miles of PVC pipe. PVC pipe was also placed in trenches and buried, and the original laterals were filled. Post-project monitoring revealed an estimated decrease of about 194 pounds per year, or 28% of pre-project selenium load, from the laterals. A similar project was initiated for the Loutzenhizer Arroyo.</li> </ul> <p><b>Future Activities:</b> The selenium TMDL for the Gunnison River and tributaries and the Uncompahgre River and tributaries includes no potential future activities.</p>
<p><b>COGUUN02</b> Uncompahgre River, source to Red Mountain Creek</p> <p><b>COGUUN03a</b> Uncompahgre River, Red Mountain Creek to Montrose</p> <p><b>COGUUN06a</b> Red Mountain Creek, source to East Fork Red Mountain Creek</p>	<p>Cadmium Copper Zinc</p> <p>Cadmium Copper Total Recoverable Iron</p> <p>Zinc (sculpin)  (2009)</p>	<p>Natural, mineralized geologic formations and inactive mine features within the Idarado Natural Resource Damages site.</p>	<p>The Uncompahgre River begins in San Juan County at Lake Como. The upper Uncompahgre is flanked on the west by Brown Mountain, at an elevation of 13,340 feet. The river flows northwest through the Uncompahgre National Forest and the towns of Ouray, Ridgway, and Montrose, where the boundary for Segment 3a occurs. Many tributaries flow into the Uncompahgre River in this stretch of river, including Red Mountain Creek, Canyon Creek, Dallas Creek, Dry Cedar Creek and many other tributaries.</p> <p>Segment 2 of the upper Uncompahgre River extends from its source at Lake Como through Poughkeepsie Gulch to a point immediately above the confluence with Red Mountain Creek. This approximately 5 mile long segment lies within the Uncompahgre National Forest and is impacted by numerous historic mine sites throughout the length of the stream segment.</p>	<p><b>Previous and Current Activities:</b></p> <ul style="list-style-type: none"> <li>• The state of Colorado and Idarado Mine established a negotiated remedy in federal court in 1992. Clean-up activities that resulted under the negotiated remedy included stabilization and re-vegetation of 11 large tailings piles, clearing of sediments from the underground mine, diversion of surface runoff around mine wastes, and rerouting of internal mine waters away from highly mineralized regions in the underground workings.</li> <li>• The mining company paid for natural resource restoration in the area to enhance fish habitat. In 1996, the city of Ouray received funds from the Colorado Department of Public Health and Environment to enhance aquatic habitat of 1 mile of Uncompahgre River immediately north of Ouray on segment 3a.</li> <li>• In 1999, the city of Ouray received natural resource restoration funding in the amount of \$417,906 for Phase II of the Uncompahgre River Restoration effort. Under the project, the recreated river channel and floodplain were re-vegetated with</li> </ul>

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Source: WQCD 2009h			<p>Segment 3a continues along the Uncompahgre to the Highway 90 Bridge in Montrose, Colorado. This 42 mile long segment flows north and west parallel to Highway 550, falling approximately 2,700 feet in elevation. This segment is also impacted by the metal contamination of the Red Mountain mining district and both segments would be affected by any remediation that occurred in the upper portion of the watershed.</p> <p>Segment 6a in the Uncompahgre basin is a 0.8 mile long segment that extends from the source of Red Mountain Creek at Red Mountain Pass to a point immediately above the confluence with the East Fork Red Mountain Creek. This segment is a high gradient stream that is located above the observed impacts from major mining activity in the watershed.</p>	<p>wetland and riparian vegetation to create wildlife habitat and enhance aquatic habitat.</p> <ul style="list-style-type: none"> <li>◆ In 2000 the state’s natural resource trustees granted money remaining in the Natural Resources Damage Restoration Fund (NRD) through a competitive solicitation process. Ouray County received a grant of \$174 million to be used toward purchase of 122 acres of sub-alpine ecosystem in the Red Mountain Creek watershed. All property acquired or restored with NRD funds required conservation easements to be placed that would protect the lands from development in perpetuity.</li> </ul> <p>At the time the TMDL was developed, the Uncompahgre Watershed Group was in the process of developing a comprehensive watershed plan for the basin.</p> <p><b>Future Activities:</b> The TMDL recommends additional monitoring during all flow regimes to help those interested in improving water quality better understand the effect of flow on instream metals concentrations. The TMDL also recommends increasing the data set for segment 6.</p>
<p><b>COGUUN04b</b> Uncompahgre River from LaSalle Road to Confluence Park</p> <p><b>COGUUN04c</b> Uncompahgre River from Confluence Park to the Gunnison River</p> <p><b>COGUUN12</b> Tributaries to the Uncompahgre River</p> <p>Source: WQCD 2009f</p>	Selenium  (2009)	See discussion under Lower Gunnison River Sub-Basin above.		

<sup>1</sup>The strategies indicated are those noted in the TMDL reports as those taking place at the time the TMDL was developed and those projected for the future. The exhibit does not report on the current status of any of these activities as this information was not readily available for the first SWQMP.

<sup>2</sup> Archived TMDLs may be obtained by sending an email to [comments.wqcd@state.co.us](mailto:comments.wqcd@state.co.us). Due to time and resource constraints, these TMDLs were not accessed and reviewed for the first SWQMP.

**Exhibit 7-62. in text**

**Exhibit 7-63. in text**

Exhibit 7-64. Upper Colorado River Sub-Basin Point Source Projects and Scheduled Improvements<sup>1</sup>

County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project	
Eagle	CO0024431 (0037311)	NPDES 10/31/2010 Effective	Avon Wastewater Treatment Plant 950 West Beaver Creek Boulevard Avon, CO 81620	NPDES and IUP	090102W	B	WWT	Avon WWTF <sup>7</sup> - Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; New or Improvements to Biosolids Handling Facility	\$11,800,000	10,000	
	COG650066	NPDES Gen. 8/16/2007 Expired	Basalt Wastewater Treatment Plant	CWNS							
	-		Basalt Urban Non Point Source	CWNS and IUP	040003W	B and C	NPS	Nonpoint Source Project	\$100,000	3,500	
	COG650041	NPDES Gen. 8/16/2007 Expired	Dillon/Silverthorne Joint Sewer Authority Gypsum, CO 81637	NPDES							
	CO0042480	NPDES 1/31/2008 Expired	Eagle Mine Remediation WWTP <sup>8</sup> 47 Tigiwon Road Minturn, CO 81645	NPDES							
	COR105753	NPDES 9/20/2011 Effective	Eagle Ranch 857 Sylvan Lake Road Eagle, CO 81631	NPDES							
	CO0024431 (0037311)	NPDES 10/31/2010 Effective	Eagle River Water and Sanitation District 950 West Beaver Creek Boulevard Avon, CO 81657	CWNS, NPDES, and IUP							
	COG650044	NPDES Gen. 10/19/2012 Effective			030082W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$6,000,000	22,492	
	COG650008	NPDES Gen. 10/19/2012 Effective	Town of Eagle Wastewater Treatment Facility PO Box 609 Eagle, CO 81631	CWNS, NPDES, and IUP	030083W	B	WWT	Connect to Existing Facility; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS <sup>9</sup>	\$1,500,000	5,445	
	COG588080	NPDES Gen. 5/31/2010 Effective			060021W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$10,000,000	5,445	
COG380021	NPDES Gen. 12/31/2008 Admin. Continued										



County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Eagle	CO0037311	NPDES 11/30/2010 Effective	Edwards Wastewater Treatment Facility 3101 Lake Creek Drive Edwards, CO 81632	NPDES and IUP						
	COG650042	NPDES Gen. 10/19/2012 Effective				090101W	B	WWT	Edwards Facility - Collection System and/or Interceptor Construction or Rehabilitation; New or Improvements to Biosolids Handling Facility	\$10,500,000
	CO0047155	NPDES 6/30/2011 Effective	Town of Gypsum 437-B Porphyry Road Gypsum, CO 81637	NPDES and IUP	090093W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$750,000	4,000
					090094W	B and C	WWT	New or Improvements to Biosolids Handling Facility	\$300,000	4,000
					090095W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation; Green Infrastructure, Water Efficiency, Energy Efficiency	\$400,000	4,000
	-		Holland Creek Municipal District	CWNS and IUP	080048W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$250,000	59
	CO0021385 (G640000)	NPDES 7/31/2006 Admin. Continued	Town of Red Cliff 1000 Water Street Red Cliff, CO 81649	CWNS, NPDES, and IUP	030228W	B and C	WWT	New Wastewater Treatment Plant	\$1,500,000	350
	COU000322	NPDES	Sawatch View Condominiums 765 Red Table Drive Gypsum, CO 81637	NPDES						
	COG650043	NPDES Gen. 10/19/2012 Effective	Vail Wastewater Treatment Facility, Eagle River Water and Sanitation District Vail, CO 81657	NPDES						
CO0021369	NPDES 2/29/2012 Effective	Vail Wastewater Treatment Facility West Of Lionshead Lift/West Side Vail, CO 81657	NPDES							
<b>Total for Eagle County</b>									<b>\$13,700,000</b>	
Garfield	COR107833	NPDES 2/25/2012 Effective	Bair Chase 7999 Highway 82 Carbondale, CO 81623	NPDES						
	COG650070	NPDES Gen. 10/19/2012 Effective	Cacaloco Compost, Inc. 256 Flying Fish Road Carbondale, CO 81623	NPDES						

County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Garfield	COG588050	NPDES Gen. 5/31/2010 Effective	Town of Carbondale	CWNS and IUP	080023W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Facilities	\$14,000,000	5,881
	-				080024W	B	Stw	Stormwater Project	\$2,750,000	5,881
	-				040051W	B	NPS	Nonpoint Source Project	\$2,750,000	5,196
	CO0020516	NPDES 9/30/2012 Effective	City Of Glenwood Springs 401 West 7th Street Glenwood Springs, CO 81601	CWNS, NPDES, and IUP	030118W	B and C	WWT	New Regional Wastewater Treatment Plant; Improvement/ New Biosolids Handling Facility	\$40,000,000	8,603
	-				040020W	B	NPS	Nonpoint Source Project	\$3,000,000	10,000
	COG650013	NPDES Gen. 10/19/2012 Effective								
	CO0048233	NPDES	North Thompson Creek Mines Approximately 8 Miles South of Town Carbondale, CO 81623	NPDES						
	COG650089	NPDES Gen. 8/16/2007 Expired	Oak Meadows Wastewater Treatment Facility 0102 Oakway North Glenwood Springs, CO 81601	NPDES						
	CO0045802	NPDES 8/01/2006 Expired								
	CO0044750	NPDES 7/31/2009 Effective	Roaring Fork Water and Sanitation District 2550 County Road 109 Carbondale, CO 81623	NPDES						
	COG650115	NPDES Gen.								
	CO0046124	NPDES 12/31/2006 Expired	Spring Valley Sanitation District Wastewater Treatment Facility 2920 County Road 114, Glenwood Springs, CO 81601	NPDES						
	CO0038598	NPDES 1/31/2009 Admin. Continued	U 10901 County Road 117 Glenwood Springs, CO 81601	NPDES						
<b>Total for Garfield County</b>									<b>\$62,500,000</b>	

County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Grand	COR104471	NPDES	Colorado River Bridge at Kremmling State Highway 9 Mile Marker 136.7 to Mile Marker 137.3 Grand County, CO	NPDES						
	CO0045411	NPDES 5/31/2010 Effective	Crooked Creek Ranch 783 County Road 5020 Fraser, CO 80442	NPDES						
	CO0046566	NPDES 11/30/2009 Effective	Devil's Thumb Ranch 3530 County Road 83 Tabernash, CO 80478	NPDES						
	CO0040142	NPDES 11/30/2010 Effective	Fraser Sanitation District 75487 US Highway 40 Fraser, CO 80442	NPDES and IUP	090047W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$764,000	1,200
	CO0020699	NPDES 7/31/2010 Effective	Granby Sanitation District 3493 County Road 57 Granby, CO 80446	NPDES and IUP	040022W	B and C	WWT	Granby - Improvement/Expansion of Wastewater Treatment Plant; New or Improvements to Biosolids Handling Facility; Collection System and/or Interceptor Construction or Rehabilitation	\$4,769,000	1,800
					090067W	B	WWT	Granby South Service Area - Collection System and/or Interceptor Construction or Rehabilitation	\$1,103,000	800
					090066W	B	Stw	Stormwater Project	\$350,000	1,200
	-		Grand Lake NPS Urban	CWNS						
	CO0000230	NPDES 11/30/2012 Effective	Henderson Mill 19302 County Road 3, Parshall, CO 80468	NPDES						
	COG584000	NPDES Gen. 10/31/1999 Expired	Town of Hot Sulphur Springs 500 Nevada Street Hot Sulphur Springs, CO 80451	CWNS and NPDES						
COG650167	NPDES Gen. 10/19/2012 Effective									

County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Grand	COX021636	NPDES 1/31/2010 Effective	Kremmling Wastewater Treatment Plant	CWNS and IUP	030149W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$1,150,000	1,600
					100064W	B	WWT	Reuse Facility	\$250,000	1,600
					090024W	B	SWP	Source Water Protection	\$250,000	1,600
	CO0045501	NPDES 12/31/2010 Effective	Tabernash Meadows Water and Sanitation District 440 County Road 827 Tabernash, CO 80478	CWNS, NPDES, and IUP	030269W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS	\$390,000	100
					100049W	B	WWT	Improvement/New Biosolids Handling Facility; Green Infrastructure, Water Efficiency, Energy Efficiency	\$400,000	600
	COG650116	NPDES Gen. 10/19/2012 Effective								
	COG650103 (0037681)	NPDES Gen.	Three Lakes Water and Sanitation District	NPDES and IUP	090120W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS	\$11,500,000	9,000
	CO0037681	NPDES 4/30/2013 Effective	Willow Creek Lagoons 7487 Highway 34 Grand Lake, CO 80447	NPDES						
	CO0026051	NPDES 7/31/2010 Effective	Winter Park Water and Sanitation District 1540 Winter Park Drive Winter Park, CO 80482	CWNS, NPDES, and IUP	030293W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$3,790,000	6,000
	COG650020	NPDES Gen. 8/16/2007 Expired	Young Life Crooked Creek Ranch 3000 County Road 517 Fraser, CO 80442	NPDES						
<b>Total for Grand County</b>									<b>\$24,716,000</b>	
Lake	CO0000248	NPDES 10/31/2009 Effective	Climax Mine Highway 91 - Freemont Pass Climax, CO 80429	NPDES						
<b>Total for Lake County</b>									<b>\$0</b>	

County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Pitkin	COG650064	NPDES Gen. 10/19/2012 Effective	Aspen Consolidated Sanitation District Wastewater Treatment Facility 565 North Mill Street Aspen, CO 81611	NPDES and IUP	030009W	B	NPS	Nonpoint Source Project	\$6,540,000	6,017
					090042W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Reuse Facility	\$1,140,000	30,000
					100100W	B and C	WWT	Reuse Facility	\$1,140,000	6,017
					100079W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant; Reuse Facility	\$1,750,000	230
	-		Aspen NPS Conservation	CWNS						
	-		Aspen Village Municipal District	CWNS and IUP	070018W	B and C	WWT	New Wastewater Treatment Plant; Improvement/Expansion of Wastewater Treatment Plant; Green Infrastructure, Water Efficiency, Energy Efficiency	\$1,647,500	350
	COG650066 (584049)	NPDES Gen. 8/16/2007 Expired	Basalt Sanitation District 0701 Emma Street Basalt, CO 81621	NPDES and IUP	030016W	B	WWT	New Wastewater Treatment Plant	\$1,200,000	300
	COR108233	NPDES 12/06/2012 Effective	Owl Creek Ranch Lot 5 600 Owl Creek Ranch Road Aspen, CO 81611	NPDES						
	COG650141	NPDES Gen. 10/19/2012 Effective	Pitkin County Solid Waste Center 32045 Highway 82 Aspen, CO 81611	NPDES						
	CO0046370	NPDES 5/31/2008 Expired	Redstone Water and Sanitation District 1091 Redstone Boulevard Redstone, CO 81623	CWNS, NPDES, and IUP	030229W	B	WWT	New Wastewater Treatment Plant	\$1,500,000	300
CO0023086	NPDES 7/31/2007 Expired	Snowmass Water and Sanitation District 0177 Club Drive Snowmass Village, CO 81615	NPDES and IUP	090041W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$500,000	2,000	
COG650001	NPDES Gen. 10/19/2012 Effective									
<b>Total for Pitkin County</b>									<b>\$15,417,500</b>	
Summit	CO0023876	NPDES 3/31/2011 Effective	Arapaho Basin Ski Area 28194 U.S. Highway 6 Dillon, CO 80435	NPDES						

County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Summit	COG650018	NPDES Gen. 10/19/2012 Effective	Blue River Wastewater Treatment Plant 26452 North Highway 9 Silverthorne, CO 80498	NPDES						
	CO0020826	NPDES 7/31/2011 Effective								
	CO0021539	NPDES 7/31/2008 Admin. Continued	Breckenridge Sanitation District 59 Swan Mountain Road Breckenridge, CO 80424	CWNS, NPDES, and IUP	050008W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$8,000,000	6,000
	COG650012	NPDES Gen. 10/19/2012 Effective								
	CO0021598	NPDES 7/31/2011 Effective	Copper Mountain Consolidated Metropolitan District 0020 Highway 91 Copper Mountain, CO 80443	CWNS, NPDES, and IUP	040011W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; New or Improvements to Biosolids Handling Facility; Collection System and/or Interceptor Construction or Rehabilitation	\$6,000,000	5,000
	COG650040	NPDES Gen. 10/19/2012 Effective								
	COG641000	NPDES Gen.	Town of Dillon	CWNS and IUP	090061W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$1,500,000	2,700
	0020826				NPDES	100008W	B and C	WWT	Collection/Interceptor - Construction/Rehabilitation	\$200,000
	0020826	NPDES			050014W	B	NPS	Nonpoint Source Project	\$1,500,000	803
	CO0026069	NPDES 11/30/2008 Expired	Eisenhower Tunnel Wastewater Treatment Facility East End Of Tunnel On I-70 Silverthorne, CO 80498	NPDES						



County	Permit Number	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> Number	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project	
Summit	CO0020451	NPDES 1/31/2008 Admin. Continued	Frisco Sanitation District 111 South Summit Boulevard Frisco, CO 80443	CWNS, NPDES, and IUP	030108W	B	WWT	Connect to Existing Facility; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS	\$500,000	2,694	
	COG650073	NPDES Gen. 10/19/2012 Effective									
	-					070022W	B	Stw	Stormwater Project	\$1,300,000	2,800
	CO0045420	NPDES 7/31/2013 Effective	Iowa Hill Water Reclamation 1605 Airport Road Breckenridge, CO 80424	NPDES							
	CO0027995	NPDES 5/31/1996 Admin. Continued	Keystone Summit House Wastewater Treatment Facility 1232 County Road 8 Dillon, CO 80435	NPDES							
	COG650059	NPDES Gen. 10/19/2012 Effective	Mesa Cortina Water and Sanitation District	CWNS and IUP	040047W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$500,000	800	
	CO0020826	NPDES 7/31/2011 Effective	Silverthorne / Dillon Joint Sewer Agency	CWNS and IUP	050052W	B	WWT	Consolidation of Wastewater Treatment Facilities; Collection System and/or Interceptor Construction or Rehabilitation	\$900,000	13,000	
					100008W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$200,000	803	
	COG650059	NPDES Gen. 10/19/2012 Effective	Summit County Snake River Wastewater Treatment Plant 4344 Swan Mountain Road Dillon, CO 80435	NPDES							
	CO0029955	NPDES 1/31/2008 Admin. Continued									
<b>Total for Summit County</b>									<b>\$20,600,000</b>		
<b>Total Estimated Cost All Projects</b>									<b>\$136,933,500</b>		

<sup>1</sup> Note that this table identifies only NPDES facilities as contained in the publicly available data sources evaluated. Therefore, it should not be considered an all-inclusive list.

<sup>2</sup> Admin. Cont. = Administratively Continued (permit status). For a review of the various NPDES permit types issued by Colorado, consult chapter 3 of the SWQMP.

<sup>3</sup> USEPA 2010a, 2010d; WQCD 2010a, 2010c.

<sup>4</sup> IUP = Intended Use Plan (WQCD 2010c).

<sup>5</sup> The 2010 IUP contains several appendices containing listings of projects. Appendix B is a list of the current construction needs for all identified eligible water quality projects (i.e., project eligibility list) including point source treatment, nonpoint source, stormwater, and source water assessment projects. Appendix C lists projects that are likely to be funded with Water Pollution Control Revolving Funds (WPCRF) loans in 2010. For those projects included in appendix A, the loan value is sometimes lower than the estimated cost. Only the estimated cost as shown in appendix B is shown in this table.

<sup>6</sup> Project type categories include the following: WWT = advanced or secondary wastewater treatment, including infiltration and inflow correction, NPS = nonpoint source control project, StW = stormwater project, and SWP = source water protection project.

<sup>7</sup> WWTF = wastewater treatment facility. This term means the same as WWTP below. The source document (WQCD 2010c) uses both terms interchangeably.

<sup>8</sup> WWTP = wastewater treatment plant. This term means the same as WWTF above. The source document (WQCD 2010c) uses both terms interchangeably.

<sup>9</sup> ISDS = individual sewage disposal systems.

Exhibit 7-65. Lower Colorado River Sub-Basin Point Source Projects and Scheduled Improvements<sup>1</sup>

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Garfield	CO0047678	NPDES Pending	Altela, Inc./Piceance Water Treatment Facility 2101 County Road 321 Rifle, CO 81650	NPDES						
	COG650005	NPDES Gen. 10/19/2012 Effective	Town of Parachute	CWNS and IUP	080008W	B	WWT	New Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$17,000,000	1,360
					080030W	B	Stw	Stormwater Project	\$500,000	1,360
	COG650122 (0072678)	NPDES Gen. 10/19/2012 Effective	City of Rifle 24998 U.S. Highway 6 Rifle, CO 81650	NPDES and IUP	050049W	B	Stw	Stormwater project	\$2,800,000	9,500
					090098W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$2,169,000	9,000
	CO0042447	NPDES 12/31/2008 Admin. Continued	Rifle Station 0056 County Road 352 #B Rifle, CO 81650	NPDES						
	COG650131 (0071818)	NPDES Gen. 10/19/2012 Effective	Town of Silt 401 River Frontage Road Silt, CO 81652	NPDES and IUP	030248W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$6,000,000	2,200
COG650005	NPDES Gen. 10/19/2012 Effective	South Adams County Water and Sanitation District 965 Riverbluff Road Parachute, CO 81635	NPDES							
<b>Total for Garfield County</b>									<b>\$28,469,000</b>	
Mesa	COU000011	NPDES 12/31/2000 Admin. Continued	Brenda St. John 59512 North Grandeur Court Grand Junction, CO 81501	NPDES						
	CO0000027	NPDES 10/31/2010 Effective	Cameo Station West of I-70 Cameo, CO 81526	NPDES						
	COG650139	NPDES Gen. 8/16/2007 Expired	CB Industries Composting Facility 1129-24 Road Grand Junction, CO 81505	NPDES						
	CO0033791	NPDES 10/31/2011 Effective	Clifton Sanitation District 3222 I-70B Clifton, CO 81520	CWNS, NPDES, and IUP	090051W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS; Green Infrastructure, Water Efficiency, Energy Efficiency	\$1,400,000	17,000

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Mesa					100002W	B and C	WWT	New Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS <sup>7</sup>	\$1,000,000	17,000
					100102W	B	NPS	Non-point Source Project	\$200,000	17,000
	CO0040487	NPDES 7/31/2008 Admin. Continued	Collbran Wastewater Treatment Plant	CWNS and IUP	030055W	B	WWT	New Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$7,812,000	700
					090009W	B	Stw	Stormwater Project	\$1,750,000	600
	CO0046175	NPDES 8/31/2013 Effective	Former Fruita Refinery 1493 Highway 6 and 50 Fruita, CO 81521	NPDES						
	COR107503	NPDES 5/29/2012 Effective	Forrest Run Subdivision 641 29.5 Road Grand Junction, CO	NPDES						
	CO0040053	NPDES 2/28/2009 Admin. Continued	City of Grand Junction 2145 River Road Grand Junction, CO 81505	CWNS, NPDES, and IUP	090069W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$10,000,000	120,000
					100011W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS	\$2,017,000	120,000
	COG650054	NPDES Gen. 10/19/2012 Effective								
	CO0023485	NPDES 5/31/2012 Effective	Grande Mesa Metropolitan District 2 4828 Powderhorn Road Mesa, CO 81643	NPDES						
	G583001	NPDES Gen.	Mesa Water and Sanitation District	IUP	030183W	C	WWT	New Wastewater Treatment Plant; Improvement/Expansion of Wastewater Treatment Facilities; Collection /Interceptor Construction/ Rehabilitation	\$1,300,000	
CO0040053	NPDES 2/28/2009 Admin. Continued	Mesa Lagoon	CWNS and IUP	030124W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS	\$3,175,000	49,422	

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Mesa	COR104187	NPDES 7/07/2013 Effective	Palisade Vineyards, LLC 3699 G Road Mesa County, CO	NPDES						
	CO0040053	NPDES 2/28/2009 Admin. Continued	Persigo Wastewater Treatment Facility 2145 River Road Grand Junction, CO 81505	NPDES						
	COR107475	NPDES 9/28/2011 Effective	Pine View Estates Ottley Avenue and Pine Street Fruita, CO 81521	NPDES						
	CO0023485	NPDES 5/31/2012 Effective	Powderhorn Metropolitan District 1	CWNS and IUP	030223W	B and C	WWT	New Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Improvement/New Biosolids Handling Facility	\$5,000,000	499
	CO0027146	NPDES 12/31/2008 Admin. Continued	Roadside North and South Mines I-70, Exit 46 (Cameo Exit) Palisade, CO 81526	NPDES						
	COR10A666	NPDES 7/27/2013 Effective	Timber Creek Homes 16 Road and Cipolla Road Fruita, CO	NPDES						
	CO0040487	NPDES 7/31/2008 Admin. Continued	Valleywide Sewerage System 1.5 Miles West of Town Collbran, CO 81624	NPDES						
<b>Total for Mesa County</b>									<b>\$33,654,000</b>	

<b>Total Estimated Cost All Projects</b>	<b>\$62,123,000</b>
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<sup>1</sup> Note that this table identifies only NPDES facilities as contained in the publicly available data sources evaluated. Therefore, it should not be considered an all-inclusive list.

<sup>2</sup> Admin. Cont. = Administratively Continued (permit status). For a review of the various NPDES permit types issued by Colorado, consult chapter 3 of the SWQMP.

<sup>3</sup> USEPA 2010a, 2010d; WQCD 2010a, 2010c.

<sup>4</sup> IUP = Intended Use Plan (WQCD 2010c).

<sup>5</sup> The 2010 IUP contains several appendices containing listings of projects. Appendix B is a list of the current construction needs for all identified eligible water quality projects (i.e., project eligibility list) including point source treatment, nonpoint source, stormwater, and source water assessment projects. Appendix C lists projects that are likely to be funded with Water Pollution Control Revolving Funds (WPCRF) loans in 2010. For those projects included in appendix A, the loan value is sometimes lower than the estimated cost. Only the estimated cost as shown in appendix B is shown in this table.

<sup>6</sup> Project type categories include the following: WWT = advanced or secondary wastewater treatment, including infiltration and inflow correction, NPS = nonpoint source control project, StW = stormwater project, and SWP = source water protection project.

<sup>7</sup> ISDS = individual sewage disposal systems.

Exhibit 7-66. Upper Gunnison River Sub-Basin Point Source Projects and Scheduled Improvements<sup>1</sup>

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Delta	CO0044776	NPDES 8/31/2009 Effective	Bowie Number 2 Mine, 5 Miles Northeast of Town on Colorado Highway 133 Paonia, CO 81428	NPDES						
	CO0031984	NPDES 5/31/2010 Effective	Town of Cedaredge 2300 2360 Lane Cedaredge, CO 81413	CWNS, NPDES, and IUP	030043W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Consolidation of Wastewater Treatment Facilities	\$2,000,000	1,858
	CO0037729	NPDES 10/31/2009 Effective	Town of Crawford 425 Highway 92 Crawford, CO 81415	CWNS, NPDES, and IUP	030064W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$180,000	366
					060003W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$300,000	400
	COG650159	NPDES Gen. 8/16/2007 Expired	Town of Crawford Wastewater Treatment Plant 4710 Crawford Road Delta County, CO 81416	NPDES						
	CO0039641	NPDES 7/31/2006 Admin. Continued	City of Delta 1398 Highway 50 Delta, CO 81416	CWNS, NPDES, and IUP	030075W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$7,000,000	7,300
					090104W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$5,000,000	7,300
	CO0042617	NPDES 4/30/2008 Admin. Continued	Horizon Health Care and Retirement 11411 Highway 65 Eckert, CO 81418	NPDES						
	CO0000086	NPDES 12/31/2007 Admin. Continued	Hotchkiss National Fish Hatchery 8077 Hatchery Road Hotchkiss, CO 81419	NPDES						
	CO0044903	NPDES 1/31/2011 Effective	Town of Hotchkiss 3349 J Road Hotchkiss, CO 81419	NPDES						

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Delta	CO0047431 (0021709)	NPDES 7/31/2013 Effective	Town of Paonia 38976 Highway 133 Paonia, CO 81428	NPDES and IUP	050041W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$4,000,000	2,200
					080028W	B	Stw	Stormwater Project	\$1,000,000	2,200
<b>Total for Delta County</b>									<b>\$19,480,000</b>	
Gunnison	CO0044377	NPDES 5/31/2009 Effective	Bear Number 3 Mine Highway 133, Southwest of Town Somerset, CO 81434	NPDES						
	COG588045	NPDES Gen. 5/31/2010 Effective	Crested Butte South Metropolitan	CWNS and IUP	040012W	B and C	WWT	New Wastewater Treatment Plant; Improvement/Expansion of Wastewater Treatment Plant	\$1,850,000	1,200
					090046W	B	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$200,000	1,200
	CO0020443	NPDES 4/30/2010 Effective	Town of Crested Butte 800 Butte Avenue Crested Butte, CO 81224	CWNS, NPDES, and IUP	080011W	B and C	WWT	Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Improvement /New Biosolids Handling Facility	\$3,200,000	1,647
	COG650061	NPDES Gen. 10/19/2012 Effective								
	COG584000	NPDES Gen. 10/31/1999 Expired	East River Regional Sanitation District	CWNS and IUP	070020W	B and C	WWT	New Wastewater Treatment Plant; Improvement/Expansion of Wastewater Treatment Plant	\$6,225,000	1,500
	-		Gunnison County/Antelope Hill	CWNS						
	CO0041530	NPDES 9/30/2012 Effective	City of Gunnison 524 County Road 32 Gunnison, CO 81230	NPDES						
	COG650093	NPDES Gen.	City of Gunnison Ken Coleman Gunnison, CO 81230	NPDES						
-		Gunnison County Non Point Source Conservation	CWNS and IUP	030128W	B	NPS	Nonpoint Source Project	\$1,000,000	13,956	



County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Gunnison	CO0045217	NPDES 5/31/2010 Effective	Irwin Mountain Lodge 12 Miles West of Town Crested Butte, CO 81224	NPDES						
	CO0035394	NPDES 8/31/2013 Effective	Lucky Jack Project 2131 County Road 12 Crested Butte, CO 81224	NPDES						
	CO0027171	NPDES 3/31/2009 Effective	Mt. Crested Butte Water and Sanitation District 100 Gothic Road Mount Crested Butte, CO 81225	CWNS, NPDES, and IUP	030192W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$450,000	6,500
	CO0000132	NPDES 5/31/2009 Effective	Sanborn Creek and Elk Creek Mines 3737 Highway 133 Somerset, CO 81434	NPDES						
	CO0038776	NPDES 5/31/2009 Effective	West Elk Mine Highway 133, East of Town Somerset, CO 81434	NPDES						
<b>Total for Gunnison County</b>									<b>\$12,925,000</b>	
Hinsdale	CO0047376	NPDES	Camp Red Cloud 6000 County Road 30 Lake City, CO 81235	NPDES						
	CO0048119	NPDES	Golden Wonder Mine 5 Miles Southeast of Town on Deadman Gulch Road Lake City, CO 81235	NPDES						
	CO0040673	NPDES 6/30/2009 Effective	Town of Lake City 1000 Hotchkiss Street Lake City, CO 81235	CWNS, NPDES, and IUP	030153W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$2,000,000	500
					090113W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation	\$645,877	500
CO0047660	NPDES Pending	Robin Redbreast Mine Hinsdale County, CO	NPDES							
<b>Total for Hinsdale County</b>									<b>\$2,645,877</b>	
Montrose	COR104978	NPDES 12/26/2011 Effective	Bridges at Black Canyon Pavilion Drive and Melody Rose Lane Montrose, CO 81401	NPDES						
	COU000136	NPDES Pending	Eagle Plumbing and Septic 72291 Highway 50 #4 Montrose, CO 81401	NPDES						

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Montrose	CO0039624	NPDES 7/31/2006 Admin. Continued	Montrose Wastewater Treatment Plant 3315 North Townsend Avenue Montrose, CO 81401	NPDES						
	COG650036	NPDES Gen. 10/19/2012 Effective								
	CO0020907	NPDES 6/30/2010 Effective	Town of Olathe North River Road Olathe, CO 81425	CWNS, NPDES, and IUP	030201W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS <sup>7</sup>	\$3,000,000	1,650
					090007W	B	Stw	Stormwater Project	\$500,000	1,650
	COG650157	NPDES Gen. 8/16/2007 Expired								
	CO0030449	NPDES 1/31/2007 Admin. Continued	West Montrose Sanitation District 62627 La Salle Road Montrose, CO 81401	NPDES and IUP	090016W	B and C	WWT	Collection System and/or Interceptor Construction or Rehabilitation; Elimination of Combined Sewer/Sanitary Sewer Overflow; Eliminate ISDS	\$1,000,000	3,500
<b>Total for Montrose County</b>									<b>\$4,500,000</b>	
Ouray	COG650101	8/16/2007 Expired	Elk Meadows Estates Homeowners Association Jerry Johnson Ridgway, CO 81432	NPDES						
	CO0043753	NPDES 4/30/2010 Effective	Grizzly Mine Approximately 1 Mile South of Town Near County Road 16 Ouray, CO 81427	NPDES						
	CO0043397	NPDES 5/31/2006 Admin. Continued	Ouray Wastewater Treatment Plant Ouray, CO 81427	CWNS, NPDES, and IUP	030207W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant	\$100,000	813
	CO0037206	NPDES 6/30/2012 Effective	Ruby Trust Mine 249 County Road 26A Ouray, CO 81427	NPDES						
	COG650056	NPDES Gen. 8/16/2007 Expired	State Of Colorado Ridgway State Park 28555 Highway 550 Ridgway, CO 81321	NPDES						
<b>Total for Ouray County</b>									<b>\$100,000</b>	

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Saguache	CO0022756	NPDES 1/31/2009 Admin. Continued	Pitch Reclamation Project Approximately 6 Miles East of Town Sargents, CO 81248	NPDES						
<b>Total for Saguache County</b>									<b>\$0</b>	

<b>Total Estimated Cost All Projects</b>									<b>\$39,650,877</b>	
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<sup>1</sup> Note that this table identifies only NPDES facilities as contained in the publicly available data sources evaluated. Therefore, it should not be considered an all-inclusive list.

<sup>2</sup> Admin. Cont. = Administratively Continued (permit status). For a review of the various NPDES permit types issued by Colorado, consult chapter 3 of the SWQMP.

<sup>3</sup> USEPA 2010a, 2010d; WQCD 2010a, 2010c.

<sup>4</sup> IUP = Intended Use Plan (WQCD 2010c).

<sup>5</sup> The 2010 IUP contains several appendices containing listings of projects. Appendix B is a list of the current construction needs for all identified eligible water quality projects (i.e., project eligibility list) including point source treatment, nonpoint source, stormwater, and source water assessment projects. Appendix C lists projects that are likely to be funded with Water Pollution Control Revolving Funds (WPCRF) loans in 2010. For those projects included in appendix A, the loan value is sometimes lower than the estimated cost. Only the estimated cost as shown in appendix B is shown in this table.

<sup>6</sup> Project type categories include the following: WWT = advanced or secondary wastewater treatment, including infiltration and inflow correction, NPS = nonpoint source control project, StW = stormwater project, and SWP = source water protection project.

<sup>7</sup> ISDS = individual sewage disposal systems.

Exhibit 7-67. Lower Gunnison River Sub-Basin Point Source Projects and Scheduled Improvements<sup>1</sup>

County	Permit No.	Permit Type, Expiration Date & Status <sup>2</sup>	Facility or Authority Project Name Address (if available)	Source Info <sup>3</sup>	IUP <sup>4</sup> No.	Applicable IUP Appendices <sup>5</sup>	Project Type <sup>6</sup>	Project Description	Estimated Cost	Population to Benefit from Project
Delta	-		Town of Crawford	CWNS						
	COG650098		City of Delta Delta, CO 81416	NPDES						
	COG641081	NPDES Gen. 10/31/2010 Effective	Town of Orchard City	CWNS and IUP	080001W	B	WWT	New Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS <sup>7</sup>	\$30,000,000	3,100
	-		Town of Paonia	CWNS						
<b>Total for Delta County</b>									<b>\$30,000,000</b>	
Montrose	COR108734		Darter, LLC Iron Horse Subdivision Montrose, CO	NPDES						
	COR109079		Eagle Ranch 67.00 Road and Meadows Parkway Montrose, CO	NPDES						
	X046027		Fairway Pines Sanitation District	CWNS and IUP	030297W	B	WWT	Improvement/Expansion of Wastewater Treatment Plant; Connect to Existing Facility; Collection System and/or Interceptor Construction or Rehabilitation; Eliminate ISDS	\$64,500	17
	COR10A576		River Landing State Highway 550 and Williams Drive MONTROSE, CO 81402	NPDES						
	COU000072		Whitfield Brothers, Inc., 12474 6300 Road Montrose County, CO	NPDES						
<b>Total for Montrose County</b>									<b>\$64,500</b>	
Ouray	COG588047	NPDES Gen. 5/31/2010 Effective	Town of Ridgway	CWNS and IUP	080010W	B and C	WWT	New Wastewater Treatment Plant; Improvement/Expansion of Wastewater Treatment Plant; Collection System and/or Interceptor Construction or Rehabilitation	\$4,750,000	1,036
					090002W	B	Stw	Stormwater Project	\$150,000	1,036
					090030W	B	SWP	Source Water Protection	\$50,000	866
<b>Total for Ouray County</b>									<b>\$4,950,000</b>	
<b>Total Estimated Cost All Projects</b>									<b>\$35,014,500</b>	

<sup>1</sup> Note that this table identifies only NPDES facilities as contained in the publicly available data sources evaluated. Therefore, it should not be considered an all-inclusive list.

<sup>2</sup> Admin. Cont. = Administratively Continued (permit status). For a review of the various NPDES permit types issued by Colorado, consult chapter 3 of the SWQMP.

<sup>3</sup> USEPA 2010a, 2010d; WQCD 2010a, 2010b.

<sup>4</sup> IUP = Intended Use Plan (WQCD 2010c).

<sup>5</sup> The 2010 IUP contains several appendices containing listings of projects. Appendix B is a list of the current construction needs for all identified eligible water quality projects (i.e., project eligibility list) including point source treatment, nonpoint source, stormwater, and source water assessment projects. Appendix C lists projects that are likely to be funded with Water Pollution Control Revolving Funds (WPCRF) loans in 2010. For those projects included in appendix A, the loan value is sometimes lower than the estimated cost. Only the estimated cost as shown in appendix B is shown in this table.

<sup>6</sup> Project type categories include the following: WWT = advanced or secondary wastewater treatment, including infiltration and inflow correction, NPS = nonpoint source control project, StW = stormwater project, and SWP = source water protection project.

<sup>7</sup> ISDS = individual sewage disposal systems.

Exhibit 7-68. Colorado River Basin Summary of CWA Section 319 Nonpoint Source Grant Projects

Number of Projects	Fiscal Year	GRTS Project Number	Project Title	Functional Categories	Primary NPS Categories	Secondary NPS Categories	Total Budget	CWA Section 319(h) Portion (percent of total budget)	Other Funding
<b>Upper Colorado</b>									
8	2005	08	Project: Aspen Stormwater Management	Stormwater Discharge Design/ Control	Urban Runoff/ Stormwater	Post-Development Erosion and Sedimentation	\$319,220	\$150,000	\$169,220
	2005	09	Project: Snake River TMDL Development	TMDLs	Resource Extraction	Abandoned Mine Drainage	\$67,500	\$40,500	\$27,000
	2006	13	Project: I-70 High-Priority Structural BMPs above Straight Creek	BMP Design/ Implementation	Urban Runoff/ Stormwater	Highway/Road/ Bridge Runoff	\$977,590	\$277,590	\$700,000
	2006	07	Project: Snake River Watershed Plan	Watershed Planning	Resource Extraction	Abandoned Mine Drainage	\$42,000	\$25,000	\$17,000
	2007	03	Project: Colorado Silviculture BMPs Audit	BMP Design/ Implementation	Silviculture	Forest Management	\$56,905	\$33,605	\$23,300
	2008		Colorado Silviculture BMP Evaluation [Labeled by AC as #16 on 305(b)]						
	2008		Lower Willow Creek Restoration Project [Labeled by AC as #7 on 305(b)]						
	2009	03	Project: Peru Creek Water Quality Improvement	N/A	N/A	N/A	\$283,750	\$170,250	\$113,500
<b>Lower Colorado</b>									
<i>Currently, there are no CWA Section 319 Nonpoint Source Grant Projects in the Lower Colorado River Sub-Basin.</i>									
<b>Upper Gunnison</b>									
7	2005	16	Project: Coal Creek Watershed Water Quality Monitoring	Other Water Quality Assessment/ Monitoring	Resource Extraction	Subsurface Mining	\$81,033	\$45,693	\$35,340
	2006	24	Project: Coal Creek Watershed Plan Implementation	N/A	N/A	N/A	\$127,909	\$72,364	\$55,545
	2006	12	Project: Lower Gunnison River Basin Watershed Plan Update	Watershed Planning	Agriculture	Irrigated Crop Production	\$15,134	\$15,134	\$0

Number of Projects	Fiscal Year	GRTS Project Number	Project Title	Functional Categories	Primary NPS Categories	Secondary NPS Categories	Total Budget	CWA Section 319(h) Portion (percent of total budget)	Other Funding
	2007	04	Project: Coal Creek Watershed Plan Implementation	Other Restoration/ Protection/ Prevention	Other Restoration/ Protection/ Prevention	---	\$194,461	\$68,932	\$125,529
	2007	07	Project: Selenium Control Project	BMP Design/ Implementation	Agriculture	Irrigated Crop Production	\$1,506,730	\$101,000	\$1,405,730
	2008	02	Project: Uncompahgre Basin Watershed Plan	Watershed Planning	Resource Extraction/ Historical Pollutants	Abandoned Mine Drainage	\$87,900	\$49,500	\$38,400
	2010		Coal Creek Restoration - Coal Creek Watershed Coalition	Stream Restoration			Recommended for Funding		
<b>Lower Gunnison</b>									
3	2010		NFRIA Midway Stabilization and Riparian Improvements - North Fork River Improvement Association	Stream Restoration			Recommended for Funding		
	2010		Supporting Selenium Control Efforts - NFRIA - North Fork Improvement Association	Assessment - TMDL development			Recommended for Funding		
	2010		Uncompahgre Project Agricultural Efficiency and System Optimization Plan - Uncompahgre Valley Water Users Association	Watershed Planning			Recommended for Funding		
<b>Basin Totals</b>									
18	2005-2010	--	--	--	--	--	\$2,395,822	\$581,478 (24%)	\$1,814,344

Sources: USEPA 2010c; WQCD 2010a.