



## Memorandum

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Jacob Bornstein, CWCB*

*From: Nicole Rowan, CDM  
Amy Beatie, CWT  
Zach Smith, CWT  
Adam Bergeron, TNC  
John Sanderson, TNC*

*Date: July 2, 2010*

*Subject: Nonconsumptive Needs Assessment Phase II Update*

The Colorado Water for the 21<sup>st</sup> Century Act asks each Basin Roundtable to develop a nonconsumptive needs assessment. Phase II of this work began in July 2009, which involves determining projects and methods to address the nonconsumptive needs identified by each roundtable during the course of Phase I. The purpose of this memorandum is to: 1) summarize Phase I of the nonconsumptive needs assessment; 2) identify Phase II goals; 3) discuss progress to date in completing Phase II; and 4) discuss next steps for the Basin Roundtables.

### **Completion of Phase I of the Nonconsumptive Needs Assessments**

In July of 2009, Phase I of the nonconsumptive water supply needs assessment (NCNA) was completed. Each Basin Roundtable approved maps that identified where nonconsumptive needs are located in their basin. As indicated in the October 2009 [Interbasin Compact Committee \(IBCC\) Annual Report](#), during fiscal years 2007-2008 and 2008-2009, over \$570,000 was spent on conducting NCNA work statewide. Respecting the grassroots nature of this process, most of the time and effort was spent meeting with each of the Basin Roundtables, or their designated subcommittees, to develop and assemble data on the nonconsumptive resources in their basin. In addition to state funds and contractor time, this effort took dedication by Basin Roundtable members, including many volunteer hours. In addition, the Watershed Flow Evaluation Tool was piloted to provide a coarse quantification methodology for roundtables to use in their needs assessments. To find information on both of these topics, please see the [Colorado Water Conservation Board's \(CWCB\) website](#).

## **Goals of Phase II of the Nonconsumptive Needs Assessments**

Because the legislation creating the Interbasin Compact Process asked each Basin Roundtable to "develop a basin-wide consumptive and nonconsumptive water supply needs assessment... and propose projects or methods, both structural and nonstructural, for meeting those needs," CWCB staff developed a more detailed approach to Phase II of the NCNA. This approach was presented to Basin Roundtable members during the Spring of 2009 and received favorable feedback.

As noted in the memo dated March 20, 2009, Phase II may include Basin Roundtables addressing the following questions:

1. Are there existing protections/efforts for priority areas?
2. Are there areas without protections that need further study?
3. What strategies are needed to support nonconsumptive priority areas?
4. Are there areas where new flow or water level quantification is appropriate?
5. Are there areas where a project, whether structural (e.g. river restoration) or nonstructural, can be identified and implemented?
6. Are there areas where no action is needed at this time?

The approach is to determine the status of each of the identified nonconsumptive need areas by compiling all of the existing flow quantification studies and planned projects and methods that address the attributes mapped and approved by the Basin Roundtables (this addresses Question 1). Since July 2009, CWCB staff has gathered and compiled information from GIS layers and has continued to solicit additional feedback from other stakeholders that focus on environmental and recreational issues, such as federal and state agencies, watershed groups and major environmental groups, to assess existing and planned nonconsumptive projects and methods.

Developing the answers to Question 1 will inform each Basin Roundtable regarding how it may proceed for each of the other questions. The roundtables may have a discussion of what, if anything, they would like to do as next steps in each of these areas. Such steps may include quantification. For example, the Colorado, Arkansas and Yampa-White roundtables are already undertaking additional quantification. Quantification for those roundtables will inform what types of projects and methods they would like to indicate as next steps. Other Basin Roundtables may focus less on nonconsumptive quantification and put their efforts into identifying projects and methods for meeting their nonconsumptive needs. This may be because quantification has already been done or because flows are not the major contributor to conserving the attribute in question. The answer to these questions, whether gathered by subcommittee or the full roundtable, will guide how each Basin Roundtable continues to

develop their nonconsumptive needs assessment. By the end of Phase II, a GIS related database will include the following information:

- BRT focus areas/reaches (*completed*)
- Nonconsumptive attributes associated with the area/reach (*completed*)
- If available, quantification studies for each reach/area and associated quantification ranges (*in progress*)
- If available, existing projects or methods associated with each area/reach and associated references (*in progress and the current list of project and methods by roundtable is attached to this memorandum*).
- If available, planned projects or methods associated with each area/reach and associated references (*in progress*)
- If available, next steps and comments for each reach/area as identified by the BRTs

## **Phase II Progress**

In January 2010, CWCB develop a survey to collect project and methods information. This survey was distributed through CWCB's roundtable and email database. On February 10, 2010, CWCB conducted a workshop in Silverthorne, Colorado to discuss the Phase II efforts and to collect information on projects and methods from the workshop attendees. At the workshop, information on 116 stream segments and 209 projects or methods as provided to CWCB. In addition, CWCB also gathered information on individuals and organizations to follow-up with on the data collection effort. Since the February meeting, an additional 57 meetings have occurred to gather additional project and methods data. Table 1 below summarizes the number of individuals or organizations contacted since the February meeting, the number of follow-up meetings held, and the number of projects and methods identified to date for each basin.

**Table 1 Summary of Meetings to Collect Phase II Information**

<b>Basin Roundtable</b>	<b>No. of Individuals or Organizations Contacted</b>	<b>No. of Meetings</b>	<b>No. Projects &amp; Methods</b>
Arkansas	7	5	38
Colorado	21	12	202
Gunnison	9	4	59
Metro	See South Platte	See South Platte	64
North Platte	1	1	107
Rio Grande	10	5	58
South Platte	17	14	47
Southwest	17	12	80
Yampa-White	9	4	45
<b>TOTAL</b>	<b>91</b>	<b>57</b>	<b>700</b>

Tables 2 and 3 summarize the number of projects and methods for each status and type. In Table 2, the project and methods status is summarized as completed, on-going, planned, proposed/recommended or unknown. Completed projects are finalized and are still providing environmental or recreational protection. On-going projects include projects or processes with efforts still underway. Planned projects are those projects where a specific group is actively pursuing the project. Proposed and recommended projects are those that are being discussed but do not have a specific project proponent.

Table 3 summarizes the types of projects and methods identified to date. Roundtable members could consider further supporting these projects and methods as a next step. Most of the projects that are planned or existing are restoration projects. These may include stream restoration, habitat connectivity, or barriers to non-native species. In addition, there are a great number of projects involving flow protections. Information includes studies or reports that were completed for an area in the state. Table 4 summarizes the type of planned projects that exist currently for each basin.

**Table 2 Summary of Project and Methods Status**

<b>Project and Methods Status</b>	<b>Number of Projects and Methods</b>
Completed	343
On-going	195
Planned	127
Proposed/Recommended	18
Unknown	17
<b>TOTAL</b>	<b>700</b>

**Table 3 Summary of Projects and Methods Type\***

<b>Project and Methods Status</b>	<b>Number of Projects and Methods</b>
Restoration Project	392
Flow Protection	142
Information	172
Unknown	5
<b>TOTAL</b>	<b>727</b>

\* Some overlap occurs between project and methods types

**Table 4 Summary of Planned Project & Methods**

Planned Project Type	AR	CO	GU	NP	RG	SP	SW	YW	TOTAL
Planned Restoration Project	9	14	6	7	8	9	4	7	64
Planned Flow Protection	0	9	6	3	4	3	0	0	25
Planned Information	5	11	3	3	1	1	5	9	38
<b>TOTAL</b>	<b>14</b>	<b>34</b>	<b>15</b>	<b>13</b>	<b>13</b>	<b>13</b>	<b>9</b>	<b>16</b>	<b>127</b>

In addition, there is a great deal of information gathered from Divisions within the Department of Natural Resources, which will be integrated into Phase II of the NCNA. For instance, Table 5 summarizes CWCB's instream flows for each Basin Roundtable. Decreed instream flows have been confirmed by the water court. Pending instream flows have been approved by the CWCB Board and are going through the water court process. Recommended instream flows include those areas submitted to CWCB as a recommendation, but not yet approved by the CWCB Board at this time.

**Table 5 Summary of CWCB Instream Flows and Natural Lake Levels**

Basin Roundtable	Natural Lakes	Instream Flow Decreed	Pending Instream Flow	Recommended Instream Flow
Arkansas	86	171	11	8
Colorado	150	404	12	6
Gunnison	82	259	15	2
North Platte	31	45	1	3
Rio Grande	49	141	0	0
Southwest	50	151	4	6
South Platte*	31	208	2	2
Yampa-White	150	175	7	5
Metro	0	24	0	0
<b>TOTAL</b>	<b>494</b>	<b>1,578</b>	<b>52</b>	<b>32</b>

The CWCB's Watershed Protection & Flood Mitigation section oversees the agency's watershed restoration efforts. In addition, many of the Water Supply Reserve Account grants fully or partially address nonconsumptive needs. Pending in this case means that either the contract has not yet been signed, but has board approval, or that applicants have applied, but are not yet approved by the Board. Table 6 shows the funding programs implemented by CWCB and project type associated with each program.

**Table 6 Summary of CWCB's Watershed Restoration & Nonconsumptive WSRA Projects**

<b>Funding Source</b>	<b>Type</b>	<b>Complete</b>	<b>On-going</b>	<b>Pending</b>	<b>Total</b>	
Colorado Healthy Rivers Fund	Report	19	9	3	31	
Colorado Healthy Rivers Fund	Restoration Project	15	7	6	28	
Colorado Watershed Restoration Program	Report	1	3	0	4	
Colorado Watershed Restoration Program	Restoration Project	2	9	1	12	
Fish and Wildlife Resources Fund	Restoration Project	2	2	0	4	
Multi-Objective Watershed Protection Plan	Report	5	0	1	6	
Multi-Objective Watershed Protection Plan	Restoration Project	6	0	4	10	
WSRA Nonconsumptive Related Grants	Report	8	15	3	26	
WSRA Nonconsumptive Related Grants	Restoration Project	13	12	4	29	
<b>TOTAL</b>		<b>71</b>	<b>57</b>	<b>22</b>	<b>150</b>	
<b>Total Restoration Projects</b>		<b>Restoration Project</b>	<b>38</b>	<b>30</b>	<b>15</b>	<b>83</b>
<b>Total Reports</b>		<b>Report</b>	<b>33</b>	<b>27</b>	<b>7</b>	<b>67</b>
TOTAL CWCB Dollars Spent/Encumbered					\$14,499,625	
TOTAL Estimated Match Dollars					\$34,323,697	
<b>TOTAL Approximate Expenditures</b>					<b>\$ 48,823,322</b>	

Table 7 is a complete contact list used during this effort. It explains the individual contacted, their Basin Roundtable affiliation, the portion of the river basin about which they provided information, their contact information, and the status of whether the contact provided information. In total, 91 individuals or organizations were contacted since the February CWCB meeting. Tables 8 through 13 show the projects and methods by Basin Roundtable summarized to date. Each tables shows identification information, project or method name, project or method type, and project or method status. Additional information is available through the comment field in Tables 8 through 15.

## Phase II Next Steps

CWCB is in the process of gathering project and methods information from the Colorado Division of Wildlife and Trout Unlimited. By the end of this calendar year, CWCB will publish an update to the Statewide Water Supply Initiative. This update will include information on projects and methods to address the Basin Roundtable's consumptive and nonconsumptive needs. Over the next several months, CWCB will be working with the Basin Roundtables to accomplish the following:

1. Each Basin Roundtable should gain an understating of what existing and on-going projects and methods address environmental and/or recreational attributes in their focus areas. Between now and the fall, CWCB staff and members of the technical team will be available by phone and/or webinar to discuss the results. The Basin Roundtables should identify additional existing and on-going projects and methods that address environmental and/or

recreation attributes beyond what has currently been identified. At this step, the Basin Roundtables may identify on-going projects and methods for which they could provide support with Water Supply Reserve Account funding.

2. Based on step 1, the CWCB will conduct mapping and analysis, which will be made available to the roundtables in September 2010.
  - a. The mapping will identify the locations of existing and planned projects and methods for each category of attribute. It will reference a version of the attached tables. By doing so, it will also identify initial "gap" areas. These are areas where there are currently no activities supporting a given attribute.
  - b. The additional analysis will include how well protected a given attribute is in a basin. For instance, an analysis may identify the percentage of cutthroat trout roundtable focus areas that have existing protections. Connectivity may be an additional factor for some attributes.
  - c. Together, the above information will be provided to the Basin Roundtables. The technical team and CWCB staff are planning on attending roundtable meetings during September and October 2010 to go over this information and gather information from the roundtables to be included in the November 2010 Statewide Needs Assessment, which is an update of SWSI. The information will help the roundtables determine at that meeting
    - i. What areas the roundtable would like to focus on in the future, and
    - ii. If the roundtable would like to support any planned or recommended projects or methods. Support could include the encouragement of a Water Supply Reserve Account application, a letter of support from the roundtable, and other supportive activities.
3. During the winter and Spring of 2011, roundtables will be provided information and support regarding the types of projects that could effectively address the basins' nonconsumptive needs. Roundtables may focus on gap areas where planned or recommended projects or methods do not exist. Roundtables are encouraged to identify which areas could use more study, have no further action needed at this time, and areas where further action is needed.

<b>Table 7 Contact List</b>				
<b>Name</b>	<b>Basin</b>	<b>Map/Seg</b>	<b>Organization/Contact</b>	<b>Contacted?</b>
Pat Wells	Arkansas	General	719-668-3839	Complete. Silverthorne.
SeEtta Moss	Arkansas		seettam@gmail.com; 719-429-3821 cell; 719 275-8874 home	Contacted; awaiting meeting
Colorado State Parks/Arkansas Headwaters Recreation Area	Arkansas	2	Rob White, rob.white@state.co.us; 719-539-7289	Complete, mailed in survey
Greater Arkansas River Nature Association	Arkansas		Alison Ramsey	emailed
Gerry Knapp	Arkansas/Colorado	2	Aurora Water/719-254-7984; 719-469-3597; Kathy Kitzmann	Completed. Emailed survey.
San Isabel National Forest	Arkansas	2		USFS internal
Collegiate Peak Chapters TU	Arkansas	2	Steve Craig - 719-539-4236	called Steve Craig suggested other contacts, Reed Dils, USFS (internal) and CDOW (internal). TU is now internally pulling every chapter project together
Lane Wyatt	Colorado		970.468.0295 x116 qqlane@nwc.cog.co.us	Completed at Silverthorne Feb meeting
BLM Glenwood Springs	Colorado	Co1/10, 12		Contacted Roy Smith with BLM, meeting 6/24
White River National Forest	Colorado	Co1/10, 12	Mark Weinhold 970-945-3306; Christine	Completed. Uploaded Projects on to CDM FTP site.
CDOW	Colorado	Co1/7, 9		CDOW internal
GCWIN/TetraTech	Colorado	Co1/4	Peggy Bailey	emailed
Katherine Morris	Colorado	Co1/4, 3	Grand County Water Specialist 970-725-3347 ext. 158	talked to, explained more of a water quality specialist
Lurline Curran	Colorado	Co1/4, 3, 1a	County Manager	Complete
GDWIN/Grand County	Colorado	Co1/1-14	Jane Tollett: 970-627-8162	Jane Tollett passed me off to Katherine Morris and Lurline Curran
Grand County Water Users	Colorado	Co1/1		



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<b>Name</b>	<b>Basin</b>	<b>Map/Seg</b>	<b>Organization/Contact</b>	<b>Contacted?</b>
Grand County DOW	Colorado	Co1/6		CDOW internal
Peggy Bailey	Colorado	Co1/1-15	TetraTech, peggy.bailey@tetrattech.com	emailed
Blue Valley Ranch	Colorado	Co1/9		Complete through Kirk Klanche
Kirk Klancke	Colorado	Co1/1, 2	East Grand Water Quality Board; 970-726-8691 ext. 101	Complete, outreach meeting 5/18
CDOT	Colorado	Co1/1, 2	Becky Pierce; 303-512-4051; rebecca.pierce@dot.state.co.us	Complete. Outreach meeting 6/3
Tom Daugherty	Colorado	Co1/15	tomdaugherty@townofbreckenridge.com	emailed
BLM	Colorado	Co2/2, 3		Outreach meeting with Roy Smith 6/24
Wilderness Workshop	Colorado	Co2/7	sloan@wildernessworkshop.org	emailed Sloan, responded, working with Sharon Clarke and the Roaring Fork Conservancy, Sharon has submitted her surveys to CWCB
TU	Colorado	Co2/8		TU internal
Kevin Bayer	Colorado	Co2/10, 28	USFS Hydrologist 970-887-4141/kbbayer@fs.fed.us	Complete by mail 5/19. initialized internal USFS proces
Carl Chambers	Colorado	Co2/25	Forest hydrologist/970-295-6633	Complete. Outreach meeting 6/17.
Kelly Larkin	Colorado	Co2/26	Arapaho National Forest, Suphur Ranger District, Granby	Complete. Outreach meeting 6/17.
Steve Glazer	Gunnison	2, 16, 19	High Country Citizens Alliance	In depth conversation with a lot of info, and he sent both BRT NCNA summary and completed survey
Dave Kanzer	Gunnison	2, 4, 6	Colorado River Water Conservation District	Contacted but have not heard back
Basin Sel Task Force	Gunnison	4		Contacted but have not heard back

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BLM	Gunnison	4	Andrew Breibart	Meet with Roy Smith on 6/24 and have call in to Chad Witterall in field office - received survey from Andrew Breibart
HCCA	Gunnison	4	Steve Glazer	Complete
Forest Service	Gunnison	7, 4	John Almy, Clay Speas and Gary Shellhorn (970-874-6656)	Complete - met with Clay Speas, John Almy and Gary Shellhorn
NFRIA	Gunnison	6		Contacted and received survey - follow up possible
Recovery Program	Gunnison	4		Contacted and received survey
Coal Creek Watershed Coalition	Gunnison4		Anthony Poponi 970-596-7496 coordinator@coalcreek.org	Contacted and received survey
Elizabeth Russell	RG		Kerber Creek; Erussell@tu.org	emailed
Corey Kanuckle	RG		FWS, Partners for Wildlife, corey_kanuckle@fws.gov	emailed
Ron Garcia	RG	5	FWS, Baca Refuge, Alamosa Office 719-256-5527; ron_j_garcia@fws.gov	called and emailed, awaiting return call
Orient Land Trust	RG		Amy Trainer 719-256-4886	Completed by email 5/13
Rio de la Vista	RG	2	riovista@rmi.net	Complete. At RG meeting, 5/25
Mike Gibson	RG		719-589-2230, slvwcdco2@qwestoffice.net	Complete. At RG meeting, 5/25
Steve Vandiver	RG		719-589-6301	Complete. At RG meeting, 5/25
Pete Clark	RG	2		Complete. At RG meeting, 5/25
Phil Reinholtz	RG		USFS Rio Grande, 719-852-6216	Completing Survey by 6/25
Cindy Medina	RG	3	Alamosa Riverkeeper; 719-274-4298	Complete by phone
CDOW	SP	6, 13, 21		CDOW internal
NRCS	SP	2		Complete by email.

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<b>Name</b>	<b>Basin</b>	<b>Map/Seg</b>	<b>Organization/Contact</b>	<b>Contacted?</b>
South Platte Enhancement Board	SP	15	www.southplatte.org; Steve Dougherty (sdougher	Complete. Outreach meeting 5/7
Wildlands Resoration Volunteers	SP		John Giordanengo (970-493-2075) john@wlr.org	Meeting on 6/21 scheduled
South Park Wetlands Focus Committee	SP		Mark Beardsly; mark.ecometrics@gmail.com	Complete. Outreach meeting, 5/25
Greenway Foundation	SP		Jeff Shoemaker; jeff@greenwayfoundation.org 5299 DTC, Blvd., Suite 710 Greenwood Village, CO 80111 303.818.8078	Complete. Outreach meeting 6/4
Colorado Open Lands	SP		303-988-2373	Complete, covered by SPWCF
Ducks Unlimited	SP		Matt Reddy - mreddy@ducks.org	Contacted, working to schedule meeting
CUSP	SP		Carol Ekarius completed survey and returned to CWCB	Complete
Denver Water	SP	11	Dave Bennett (david.bennett@denverwater.org)	Complete, Meeting 5/27 at DW
Boulder Flycasters	SP	11		TU internal
TU	SP	11	Erica Stock	TU internal
Ecological Resource Consultants	SP	9		Complete
Clear Creek Watershed Fdtn	SP	6	info@clearcreekwater.org	Currently scheduling meeting
Weit Denver Chapter TU	SP	6		TU internal
Save the Poudre	SP	13, 21	Gary Wockner and John Bartholow http://savethepoudre.org 970-218-8310	Complete
USFS	SP	13, 21		Complete. Outreach meeting 6/17.
USFWS	SW		Rick Schnaderbeck 719-852-0124 rick_schnaderbeck@fws.gov	Contacted but no meeting set
TNC (Peter Mueller)	SW	6, 8, 9, 5	The Nature Conservancy	Discussed but some follow up possible

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San Miguel Watershed Coalition	SW	6, 8	Lee Sullivan 970-728-3204	Contacted but have not heard back
USFS	SW	9, 5	GMUG and San Juan FS offices	GMUG FS meeting covered portions - working to set up meeting with San Juan FS
Ann Oliver	SW	9		Complete
CDOW	SW	9		CDOW internal
BLM	SW	1,2,3,4,5		Contacted Roy Smith with BLM - meeting set for 6-21
TU	SW	9	Drew Peternell (303) 440-2937	TU internal but met with Peternell
Jenny Russell	SW		970-728-5006 info@lawtelluride.com	Complete
Pat Willits	SW	9	Trust for Land Restoration 970-626-3236	Complete
Catherine Ortega	SW		SW Wetlands Focus Area and an associated group	Complete
Janet Wolf	SW		Animas Watershed Partnership	Contacted and referred me to another contact
Steve Whiteman	SW		Southern Ute Indian Tribe	Complete
Chester Anderson	SW		Mancos Watershed Group	Complete
Bill Simon	SW		Animas River Stakeholders	Complete
April Montgomery	SW		CWCB	Complete
Chuck Wanner	SW		Trout Unlimited-Five Rivers Chapter 970-259-0075	Complete
CWCB	Yampa	4		
Tim Carlson	Yampa	8, 3, 1	Tamarisk Coalition 970-256-7400	Complete
Stacy Kolegas	Yampa	8, 1	Tamarisk Coalition	Complete
TU	Yampa	5	Drew Peternell 303-440-2937	TU internal and met with Drew Peternell
USFS	Yampa	5	Rick Henderson and Liz Schnackenberg 970-870-2219	Complete
CDOW	Yampa	5		CDOW internal
White River National Forest	Yampa	7	Mark Weinhold 970-945-3306	Contacted and waiting for follow up

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Geoff Blakeslee	Yampa		The Nature Conservancy gblakeslee@tnc.org	Complete
Recovery Program	Yampa	3, 1	Jana Morhman 303-236-4486	Contacted and received survey
Barbara Vasquez	NP		bv_99_munich@yahoo.com	Complete, received surveys in mail 5/26

**Table 8 Arkansas Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
43	AR-ZS-C	Arkansas	Fountain Creek erosion and mine tailings pollution control project	Project	Fountain Creek along State Highway 24	Created wetlands and to contain erosion off mine tailings.	Completed			Becky Pierce	Z15			
44	AR-ZS-B	Arkansas	Jackson Creek wetlands project	Project	Jackson Creek (b/t I-25 and West Baptisto Rd.)	Created wetlands / floodplain for Prebles Jumping Mouse	Completed			Becky Pierce	Z15			
101	AR-ZS-A	Arkansas	Clear Creek Reservoir Gauging Station Reconstruction	Project	Clear Creek Reservoir	Reconstruction of gauging station to allow kokanee salmon and trout to pass	Planned			Amy Beatie	Z22			
188	AR-ZS-D	Arkansas	Diversion Structure Replacement Plans #1	Project	Arkansas Headwaters	Diversion Structure Replacement Projects for public safety, improved diversion efficiency, and to allow fish passage.	Completed	Received	Colorado Water Conservation Board	Rob White	Z34			
189	AR-ZS-D	Arkansas	Diversion Structure Replacement Plans #2	Project	Arkansas Headwaters	Four Diversion Structure Replacement Projects for public safety, improved diversion efficiency, and to allow fish passage.	Planned	Received	Colorado Water Conservation Board	Rob White	Z34			
190	AR-ZS-D	Arkansas	Arkansas River Water Needs Assessment	Information	Arkansas Headwaters	Interagency Water Management Plan. Available at: <a href="http://parks.state.co.us/Parks/ArkansasHeadwaters/Publications/Pages/ArkansasHeadwatersPublications.aspx">http://parks.state.co.us/Parks/ArkansasHeadwaters/Publications/Pages/ArkansasHeadwatersPublications.aspx</a>	Completed			Rob White	Z34			
201	AR-ZS-D	Arkansas	Arkansas River Watershed Invasive Plants Plan	Project	Upper Arkansas River	work to control invasive riparian species	Completed			Jean Van Pelt	Z36			
202	AR-ZS-D	Arkansas	Arkansas Water Transfer Study	Information	Upper Arkansas River	study regarding impacts of water transfers in the Arkansas River	Planned		Colorado Water Conservation Board	Jean Van Pelt	Z36			
207	AR-ZS	Arkansas	Rocky Mountain Fen Research Program	Information	Arkansas River	study to analyze fen wetlands	Planned		Colorado Water Conservation Board	Kathy Kitzmann	Z37			

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208	AR-ZS-E	Arkansas	Upper Arkansas River Watershed Restoration Plan - California Gulch	Project	California Gulch	Cleanup of mine tailings	Planned			Kathy Kitzmann	Z37			
212	AR-ZS-E	Arkansas	Fountain Creek Fish Egg Dredge Sieve	Information	Fountain Creek just above confluence with Arkansas in Pueblo	How to dredge sediment without destroying fish eggs. Developing a special sieve.	Planned		CWCB	SeEtta Moss	Z40			
213	AR-ZS-F	Arkansas	Fountain Creek Dam Improvements	Information	Fountain Creek between Colorado Springs and Pueblo City Line	Study to analyze way to get warm-water fish around dam on Fountain Creek	Planned			SeEtta Moss	Z40			
214	AR-ZS-F	Arkansas	Fountain Creek Wetlands Improvement	Project	Fountain Creek between Colorado Springs and Pueblo City Line	Rechannelization and improved wetlands as mandated in Colorado Springs 1041 permit for pipeline of water from Pueblo Reservoir	Planned			SeEtta Moss, Gary Barber, Lower Arkansas Water Conservancy District	Z40			
215	AR-ZS-G	Arkansas	John Martin Wetlands Protection Study	Information	Wetlands just west of John Martin Reservoir	Hydrologic study to predict impact to wetlands if water from nearby ditches is moved north	Planned			SeEtta Moss	Z40			
236	AR-ZS-H	Arkansas	North Crystal Creek Erosion Control	Project	North Crystal Creek	Erosion control and restoration of three conveyance channels contributing sediment into N. CC	Completed			Eric Billmeyer	Z46			
237	AR-ZS-I	Arkansas	Glen Cove sediment trap	Project	Glen Cove Creek	Catch sediment from Pikes Peak Highway before it gets into creek	Planned			Eric Billmeyer	Z46			
238	AR-ZS-I	Arkansas	Glen Cove Wetland	Project	Glen Cove Wetland	Erosion control and restoration of an alpine wetland protecting the headwaters to Glen Cove Creek	Completed			Eric Billmeyer	Z46			

**Table 8 Arkansas Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
239	AR-ZS-J	Arkansas	Soda Springs Park Reach	Project	Fountain Creek at Soda Springs Park Reach	Bank stabilization to reduce sediment transport into Fountain Creek and aid in improving trout habitat	Completed			Eric Billmeyer	Z46			
240	AR-ZS-K	Arkansas	Shryver Park Reach	Project	Fountain Creek at Shryver Park Reach	Bank stabilization project to reduce sediment transport into Fountain Creek and aid in improving trout habitat both in the creek and in an adjacent pond	Completed			Eric Billmeyer	Z46			
241	AR-ZS-L	Arkansas	Bear Creek - Pikes Peak	Project	Bear Creek	Improve Greenback habitat; erosion control structures and other techniques to reduce sediment transport from a heavily used motorized trail in the watershed. 3 miles	Planned			Eric Billmeyer	Z46			
242	AR-ZS-M	Arkansas	Fountain Creek - Memorial Park	Project	Fountain Creek - Memorial Park	Improve trout habitat by stabilizing stream banks and revegetating impacted areas	Planned			Eric Billmeyer	Z46			
243	AR-ZS-N	Arkansas	West Beaver Creek	Project	West Beaver Creek	Improve sediment detention structures with additional check dams	Planned			Eric Billmeyer	Z46			
244	AR-ZS-O	Arkansas	South Colony Watershed	Project	South Colony Creek	Restoration of non-designated campsites to prevent erosion and pollution	Planned			Eric Billmeyer	Z46			
339	AR-ZS-P	Arkansas	Rehabilitate Skaguay Reservoir	Project/Flow Protection		High level of interest by local water users.	Proposed			CDOW	Z13			
340	AR-ZS	Arkansas	Acquire additional pond and lake resources for habitat and fisheries	Flow Protection		Water for Wildlife acquisition of the Center Farms water rights will provide substantial water supply for future needs				CDOW	Z13			



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341	AR-ZS-Q	Arkansas	Re-operate CDOW storage rights in DeWeese Reservoir	Flow Protection		CDOW has well established relationships with BLM and DeWeese Dye Ditch Co. that would aid in putting this sotrage space to additional uses	Proposed			CDOW	Z13			
347	AR-ZS	Arkansas	Arkansas Minimum Flows agreement	Flow Protection						Parks		Yes	Minimum flows	
362	ARK01	Arkansas	Pueblo & Arkansas Flow Management Program	Project	Arkansas Basin		Ongoing			Pat Wells 719-668-3839	A24			
363	ARK01	Arkansas	Southern Delivery System	Project	Arkansas Basin		Ongoing			Pat Wells 719-668-3839	A24			
364	ARK01	Arkansas	Fountain Creek Issues and Projects	Project	Arkansas Basin		Ongoing			Pat Wells 719-668-3839	A24			
365	ARK01	Arkansas	Local Watershed Recreational Uses Project	Project	Arkansas Basin		Ongoing			Pat Wells 719-668-3839	A24			
366	ARK01	Arkansas	Stocking Agreements	Project	Arkansas Basin		Ongoing			Pat Wells 719-668-3839	A24			
367	ARK02	Arkansas	Aurora Decrees & Exchanges		Arkansas Headwaters to John Martin Reservoir		Ongoing			Gary Knapp	A28			
368	ARK01	Arkansas	Canon City Kayak Park and Fishing Restoration	Project	Canon City		Completed							
369	ARK01	Arkansas	Pueblo Flow Program	Project	?		Ongoing							
370	ARK01	Arkansas	John Martin Wetlands Evaluation	Project	John Martin Wetlands		Ongoing	yes	WSRA Grant					
371	ARK02	Arkansas	Arkansas Flow Model	Project	Arkansas Headwaters to John Martin Reservoir		Ongoing		WSRA Grant					
675	AR-AB1	Arkansas	Stream channel and restoration project	Project	Cache Creek		Ongoing			Roy Smith	A75			

**Table 9 Colorado Basin NCNA Projects and Methods**

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40	CO-ZS-3	Colorado	Tenmile Creek Wetlands mitigation site	Project	Tenmile Creek	Wetlands Mitigation project for I-70 development	Completed			Becky Pierce	Z15			
41	CO-ZS-2	Colorado	Snake River erosion control project	Water Quality Protection	Snake River above Dillon	Embankment work and erosion control through re-vegetation.	Completed			Becky Pierce	Z15			
42	CO-ZS-1	Colorado	Blue River wetlands project	Water Quality Protection	Blue River downstream of Intrawest Golf	Created wetlands / floodplains to filter pesticides coming from golf course runoff	Completed			Becky Pierce	Z15			
104	CO-CBT-ZS-1	Colorado	Shorefox Fish Habitat	Project	Colorado River (1 mile below Granby Reservoir)	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
105	CO-CBT-ZS-2	Colorado	Con Richards Project for Fishing	Project	Colorado River below Williams Fork Confluence	Creating better Fish habitat, including installation of J-Bars	Completed			Kirk Klanke	Z25			
106	CO-CBT-ZS-3	Colorado	Troublesome Creek Fishing Project	Project	Troublesome Creek	narrowing and deepening for trout habitat	Completed			Kirk Klanke	Z25			
107	CO-CBT-ZS-4	Colorado	Skylark Ranch Fishing Habitat	Project	Colorado River on the Skylark Ranch	narrowing and deepening for trout habitat	Completed			Kirk Klanke	Z25			
108	CO-CBT-ZS-5	Colorado	Blue Valley Ranch Fishery Project	Project	Blue River above confluence with Colorado River	streambed alterations including rock fish habitat structures. Wetlands restoration. All for trout habitat.	Completed			Kirk Klanke	Z25			
109	CO-FR-ZS-1	Colorado	Fraser River Enhancement Project #1 - Maryvale	Project	Fraser River	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
110	CO-FR-ZS-1	Colorado	Fraser River Enhancement Project #2 - Vazquez Confluence	Project	Fraser River	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
111	CO-FR-ZS-1	Colorado	Fraser River Enhancement Project #3 - Gauging station	Project	Fraser River	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
112	CO-FR-ZS-2	Colorado	Eric Pete's Private Rehab	Project	Fraser River near County Rd. 83	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
113	CO-FR-ZS-2	Colorado	Mike Rapuchi Private Rehab	Project	Fraser River near County Rd. 84	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			

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114	CO-FR-ZS-2	Colorado	Devils Thumb Ranch Private Rehab	Project	Fraser River near County Rd. 85	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
115	CO-FR-ZS-3	Colorado	Edgewater Private Bridge	Project	Fraser River near Granby	Deepening and narrowing River, creating holes for fish habitat.	Completed			Kirk Klanke	Z25			
116	CO-FR-ZS-4	Colorado	Highway 40 Bridge	Project	Fraser River downstream of Highway 40 bridge	Sediment Transfer and Spawning Habitat	Completed			Kirk Klanke	Z25			
117	CO-FR-ZS-6	Colorado	Dwight Miller Private Rehab	Project	Fraser River at confluence with Ranch Creek	Sediment Transfer and Spawning Habitat	Completed			Kirk Klanke	Z25			
118	CO-FR-ZS-7	Colorado	Ron Jones Private Rehab	Project	Fraser River 1 mile upstream of confluence with Ranch Creek	Sediment Transfer and Spawning Habitat	Completed			Kirk Klanke	Z25			
119	CO-FR-ZS-8	Colorado	Trail Creek (North and South) Moffat Collection System Bypass Flows	Flow Protection	Trail Creek (North and South) - T1N R75W S22	Denver Water Moffat Collection Bypass Flows	Completed			Kevin Bayer	Z12	x	wet stream below diversion	0.25 cfs year round from both streams
120	CO-FR-ZS-9	Colorado	Hurd Creek Moffat Collection System Bypass Flows	Flow Protection	Hurd Creek - T1N R75W S34	Denver Water Moffat Collection Bypass Flows	Completed			Kevin Bayer	Z12	x	wet stream below diversion	1.0 cfs year round
121	CO-FR-ZS-10	Colorado	Hamilton Creek Moffat Collection System Bypass Flows	Flow Protection	Hamilton Creek - T1S R75W S3-6	Denver Water Moffat Collection Bypass Flows	Completed			Kevin Bayer	Z12	x	wet stream below diversion	1.5 cfs from Jun. 15 until Apr. 30, and 1.0 cfs from May 1 until June 14.
122	CO-FR-ZS-11	Colorado	Cabin Creek Moffat Collection System Bypass Flows	Flow Protection	Cabin Creek - T1S R75W S2	Denver Water Moffat Collection Bypass Flows	Completed			Kevin Bayer	Z12	x	wet stream below diversion	2.0 cfs year round
123	CO-FR-ZS-12	Colorado	Little Cabin Creek Moffat Collection System Bypass Flows	Flow Protection	Little Cabin Creek - T1S R75W S11	Denver Water Moffat Collection Bypass Flows	Completed			Kevin Bayer	Z12	x	wet stream below diversion	0.25 cfs year round
124	CO-FR-ZS-13	Colorado	Meadow Creek Moffat Collection System Bypass Flows	Flow Protection	Meadow Creek - T1N R75W S15	Denver Water Moffat Collection Bypass Flows	Completed			Kevin Bayer	Z12	x	wet stream below diversion	3.0 cfs from May 1 until Mar. 31, and 1.5 cfs from Apr. 1 until Apr. 30

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125	CO-ZS-15	Colorado	Fraser River Denver Water Minimum Releases	Flow Protection	Fraser River	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	wet stream below diversion	10 cfs or Inflow from May 15 until Sep. 15. And 4 cfs or inflow from Sep. 16 until May 14
126	CO-ZS-16	Colorado	St. Louis Creek Denver Water Minimum Releases	Flow Protection	St. Louis Creek	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	wet stream below diversion	10 cfs or Inflow from May 15 until Sep. 15. And 3 cfs or inflow from Sep. 16 until May 14
127	CO-ZS-17	Colorado	Ranch Creek Denver Water Minimum Releases	Flow Protection	Ranch Creek	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	wet stream below diversion	4 cfs or Inflow from May 15 until Sep. 15. And 2 cfs or inflow from Sep. 16 until May 14
128	CO-ZS-18	Colorado	Vasquez Creek Denver Water Minimum Releases	Flow Protection	Vasquez Creek	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	wet stream below diversion	8 cfs or Inflow from May 15 until Sep. 15. And 3 cfs or inflow from Sep. 16 until May 14
129	CO-ZS-19	Colorado	Dillon Reservoir Denver Water Minimum Releases	Flow Protection	Dillon Reservoir	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x		lesser of 50 cfs or inflow
130	CO-ZS-20	Colorado	Williams Fork Reservoir Denver Water Minimum Releases	Flow Protection	Williams Fork Reservoir	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x		lesser of 15 cfs or inflow
132	CO-ZS-6	Colorado	Black Gore Creek Sediment Removal	Water Quality Protection	Black Gore Creek	sediment basins installed and sediment directly removed.	Completed			Brian Healy	Z27			
133	CO-ZS-6	Colorado	Basin of Last Resort Sediment Control Project	Water Quality Protection	Black Gore Creek	excavation of sediment, clean water bypass installed. Willow planting around basin.	Completed			Brian Healy	Z27			
134	CO-ZS-7	Colorado	East Zone Stream Habitat Improvements	Water Quality Protection	Eagle River Tributaries	bank revegetation at stream crossings on trails	Completed			Brian Healy	Z27			
135	CO-ZS-8	Colorado	Vail Ski Area Watershed Improvements	Water Quality Protection	Eagle River Watershed	re-grade slopes off roads and revegetate	Completed			Brian Healy	Z27			

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136	CO-ZS-9	Colorado	Red Dirt Creek Bank Revegetation	Project	East Fork Red Dirt Creek	bank stabilization and woody debris added for trout habitat.	Completed			Brian Healy	Z27			
137	CO-ZS-10	Colorado	Straight Creek Sediment Control Project	Water Quality Protection	Straight Creek	sediment basins installed.	Completed			Brian Healy	Z27			
138	CO-ZS-11	Colorado	Dutch and Coal Creeks Riparian Planting Project	Project	Confluence of Dutch and Coal Creek	Willow planting along creeks	Completed			Mark Lacy	Z29			
139	CO-ZS-12	Colorado	Redstone Placita Riparian Restoration Project	Project	Crystal River near Redstone	Closed and revegetated segment of road along the creek near Redstone. Vegetated section near Placita.	Completed			Mark Lacy	Z29			
140	CO-ZS-13	Colorado	Eagle River Restoration Phase II	Project	Eagle River	Created Trout habitat and bank stabilization	Completed			Brian Healy	Z27			
141	CO-ZS-14	Colorado	Piney River Habitat Enhancement	Project	Piney River below Piney Lake	Created Trout habitat and bank stabilization	Planned			Matt Grove	Z28			
178	USFS-ZS-24	Colorado	Vasquez Creek Instream Fish Habitat	Project	Vasquez Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
179	USFS-ZS-25	Colorado	St. Louis Creek Instream Fish Habitat	Project	St. Louis Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
180	USFS-ZS-26	Colorado	Cabin Creek Riparian Restoration	Project	Cabin Creek	Road Removal and Riparian Restoration	Completed			Carl Chambers	Z33			
185	USFS-ZS-31	Colorado	Colorado River Channel Reconstruction	Project	Colorado River (between Shadow Mountain and Lake Granby)	Channel Reconstruction to allow Salmon passage and for Trout habitat.	Completed			Carl Chambers	Z33			
187	USFS-ZS-33	Colorado	Fraser River Sediment Trap	Water Quality Protection	Fraser River at Denver Water Moffat Diversion	Sediment Trap	Completed			Carl Chambers	Z33			
192	CO-ZS	Colorado	Recommended Minimum flows along the Gunnison and Colorado Rivers	Information	Gunnison and Colorado Rivers	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/GunnCoflowrec.pdf">http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/GunnCoflowrec.pdf</a>	Completed			Jana Mohrman	Z35			

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198	CO-ZS-19	Colorado	Recommended Minimum flows on the Colorado River near the mouth of the Gunnison #1	Information	Colorado River Near the mouth of the Gunnison River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovevery.org/documents-publications/technical-reports/isf/OsmundsonNelson1995.pdf">http://coloradoriverrecovevery.org/documents-publications/technical-reports/isf/OsmundsonNelson1995.pdf</a>	Completed			Jana Mohrman	Z35			
199	CO-ZS-19	Colorado	Recommended Minimum flows on the Colorado River near the mouth of the Gunnison #2	Information	Colorado River Near the mouth of the Gunnison River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovevery.org/documents-publications/technical-reports/isf/2001Osmundson.pdf">http://coloradoriverrecovevery.org/documents-publications/technical-reports/isf/2001Osmundson.pdf</a>	Completed			Jana Mohrman	Z35			
200	CO-ZS-19	Colorado	Recommended Minimum flows on the Colorado River near the mouth of the Gunnison #3	Information	Colorado River Near the mouth of the Gunnison River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovevery.org/documents-publications/technical-reports/isf/Kaeding1989.pdf">http://coloradoriverrecovevery.org/documents-publications/technical-reports/isf/Kaeding1989.pdf</a>	Completed			Jana Mohrman	Z35			
204	CO-ZS-20	Colorado	Eagle River Watershed Retrospective Assessment	Water Quality Protection	Eagle River Basin	partnership including USGS to assess water quality in Eagle River Basin	Completed			Kathy Kitzmann	Z37			
205	CO-ZS	Colorado	Upper Colorado Wild & Scenic Alternative Management Plan Stakeholder Group	Project	Upper Colorado River	partnership developing management alternatives to wild and scenic designation	Planned			Kathy Kitzmann	Z37			
206	CO-Zs-19	Colorado	Upper Colorado Endangered Fish Program - 10825 Water Supply	Flow Protection	Colorado River Near the mouth of the Gunnison River	planned instream flow to protect four endangered fish species	Planned			Kathy Kitzmann	Z37	x	minimum instream flows	10,825 acre feet/yr

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245	CO-ZS-21	Colorado	West Divide Project: Evaluation of Potential Water Demands within the Crystal River Watershed	Information	Crystal River	identify potential water demands and water needs; identify the quantity, timing, and frequency of water supply shortages.	Completed			Sharon Clarke	Z47			
246	CO-ZS-22	Colorado	Instream Flow Recommendations for Lincoln Creek and Roaring Fork River	Information	Lincoln & Roaring Fork	Proposed schedule for release of 3,000 acre feet to improve fisheries, wildlife, and rec values	Completed			Sharon Clarke	Z47	x		3,000 acre feet from Twin Lakes
247	CO-ZS-23	Colorado	A Study of Macroinvertebrate community responses to Winter Flows on the Fryingpan River	Information	Fryingpan River	Study on how water releases affect macroinvertebrates	Completed			Sharon Clarke	Z47			
248	CO-ZS-23	Colorado	Fryingpan and Roaring Forks Fishery Study	Information	Fryingpan River	Understanding needs of trout species	Completed			Sharon Clarke	Z47			
249	CO-ZS-23	Colorado	Stream Fisheries Investigations	Information	Fryingpan River below Ruedi Reservoir	Relationship between streamflow on Fryingpan below Ruedi Reservoir	Completed			Sharon Clarke	Z47			
250	CO-ZS-24	Colorado	Instream Flow Assessment of Maroon Creek	Information	Maroon Creek	Study: evaluation of the existing biological state; establishment of baseline	Completed			Sharon Clarke	Z47			
251	CO-ZS-23	Colorado	Report on Bureau of Rec 2006 Ruedi Release	Information	Fryingpan River	How releases affected 5 habitat indicators	Completed			Sharon Clarke	Z47			
252	CO-ZS-25	Colorado	State of the Roaring Fork Watershed Report	Information	Roaring Fork Watershed	Summary of existing studies and information for comprehensive understanding of watershed	Completed			Sharon Clarke	Z47			
254	CO-ZS	Colorado	Coordinated Reservoirs Operations Program	Flow Protection	Colorado River	Coordinated release to mimic high flows from Williams Fork, Dillon, Granby, Shadow Mountain, Ruedi, Wolford, Green Mountain	Ongoing			Denver Water	Z10	x		depends on year
259	USFS-CO-4	Colorado	Stream Improvement	Project	Little Vasquez Creek	Culvert retrofit with detachable fishway	Completed			Kelly Larkin	Z50			

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260	USFS-CO-5	Colorado	Stream Improvement	Project	Little Vasquez Creek	Culvert retrofit with detachable fishway, YOY refugia enhancement	Completed			Kelly Larkin	Z50			
261	USFS-CO-6	Colorado	Habitat Improvement	Project	Vasquez Creek	Log drop structures	Completed			Kelly Larkin	Z50			
262	USFS-CO-7	Colorado	Habitat Improvement	Project	St. Louis Creek	Log drop structures	Completed			Kelly Larkin	Z50			
269	CO10, CO12	Colorado	Grand County Visitor preference survey	Information	Grand County							No		
270	CO10, CO12	Colorado	BLM Resource Management Plan revision	Information			Ongoing					No		
271	CO10, CO12	Colorado	Wild and Scenic Process	Information		W&S process could result in 'suitability' or alternative should result in CWCB ISF.	Ongoing	Received	CWCB			Yes	Alternative to W&S process	boating, fishing
272	CO10, CO12	Colorado	BLM Visitor Preference Survey	Information			Ongoing					No		
273	CO10	Colorado	Grand County Stream Management Plan	Information	Multiple specific locations in Grand County	Get lat/long of all quantification locations	Ongoing			Andy Windsor; BLM Glenwood Springs; White River National Forest	A29	Yes	Minimum and preferred baseflows plus 3-day 2-yr flood flow.	trout, sediment transport
274	CO10, CO12	Colorado	River2D analysis	Information	Five locations between Kremmling and Glenwood Springs	Report expected 2010.						Yes	Site specific flow quantification for fish (possibly other attributes).	trout, native fish, other?
275	CO7	Colorado	Wild and Scenic Eligibility Report	Information										
276	CO4	Colorado	10825	Flow Protection										
277	CO10, CO12	Colorado	American Water boater survey	Information										
278	CO03	Colorado	Grand County algae and nutrient studies	Information						Nancy Stuart	A22			
279	CO03	Colorado	Grand County Stream Temperature Studies	Information						Nancy Stuart	A22			



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280	CO03	Colorado	Bureau of Rec study of Adams tunnel flow and timing as it affect Grand Lake water quality	Information										
281	CO03	Colorado	GCWIN--Grand County Water Information Network	Information		Grand Co. and NCWCD study lake water quality; 5 years of data compiled thus far.								
292	CO01, CO02	Colorado	CDPHE - listing for temp 303d	Project			Ongoing							
293	CO01, CO02	Colorado	CDPHE - listing for copper on the M+E	Project			Ongoing							
294	CO01, CO02	Colorado	Temp study, stream and ambient air	Project	Grand County		Ongoing			Jane Tollet, Mike Wageek	A36, A32			
295	CO01	Colorado	Fraser River Enhancement Project	Project						Jeff Drabin, Drew Nelson	A30, A31			
296	CO01	Colorado	Winter Park Water and Sanitation Pumpback	Flow Protection		protect instream flows	Planned			Mike Wageek	A32			
297	CO01	Colorado	Winter Park Rec. Ass'n snowmaking pumpback and storage	Flow Protection		protect instream flows	Planned			Doug Laraby	A33			
298	CO01	Colorado	Winter Park Water and Sanitation Alt. source diversion	Flow Protection		protect instream flows	Planned							
299	CO01	Colorado	Traction Sand Sedimentation Basion	Project		Project will remove sed from streambed	Planned			Kirk Klancke, East Grand Water Quality Board; Holly Hoake, CDOT	Z25			
300	CO01 - CO10	Colorado	Grand County Water Information Network	Information		Sampling, data collection, database maintenance	Ongoing			Jane Tollet	A36			
301	CO01	Colorado	Shares purchased for NCNs	Project			Completed			Bruce Hutchins	A10			
302	CO01	Colorado	Aquatic Habitat (PHABSM)	Project			Planned							
303	CO01	Colorado	Pool and river habitat for winter flows	Project			Planned							

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304	CO01	Colorado	Bar construction to narrow low flow	Project			Planned							
305	CO01	Colorado	Develop a channel by-pass around Windy Gap	Project			Planned							
306	CO01A	Colorado	PNABSM	Project		spawning surveys completed	Completed							
307	CO01A	Colorado	Streamside restoration on lower reach	Project		narrow low flows, increase shading, create pools to lower temp, support fishing and lower temp on fraser	Planned							
308	CO15	Colorado	Stream restoration	Project		Restore stream after dredge mining, reach is currently void of aquatic habitat	Proposed			Tom Daugherty, Town of Breckenridge	A45			
317	CO-ZS-26	Colorado	SWSI Shoshone Sediment Release	Project		Agreement with Excel to revise release timing; permit revision could be required	Ongoing			CDOW	Z13			
318	CO-ZS-27	Colorado	SWSI Windy Gap Bypass Channel	Flow Protection		On-going discussions w/ NCWCD	Ongoing			CDOW	Z13			
319	CO-ZS-28	Colorado	SWSI Cutthroat Restoration	Flow Protection		Analyses of water rights	Ongoing			CDOW	Z13			
320	CO-ZS-29	Colorado	SWSI Gypsum State Wildlife Area Insteram Habitat Improvement	Project/Flow Protection		no final plan yet	Ongoing			CDOW	Z13			
321	CO-ZS-30	Colorado	SWSI Eagle Mine Superfund Project	Project		projects awarded	Ongoing			CDOW	Z13			
322	CO-ZS-31	Colorado	SWSI Summer Base-flow project	Project		Problem identified, no solutions identified	Planned			CDOW	Z13			
323	CO-ZS	Colorado	SWSI Aquatic Wildlife Management Plan	Project		Plan in draft (2004)	Planned			CDOW	Z13			
348	CO-ZS-32	Colorado	Ruedi Reservoir flow agreement	Flow Protection			Completed			BOR, Roaring Fork	A66, Z47	Yes	Released flows	
409	CO01-C010	Colorado	Grand County Water Information Network	Information	Colorado River headwaters in Grand County		Ongoing							

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410	CO01	Colorado	Water Use Study (comestic use correlation to maintaining a specific instream flow)	Information	Fraser River inside Town of Winter Park	Buildout has been capped to maintain a specific flow in the Fraser River	Completed			Drew Nelson (Mgr Town of Winter Park)	A31			
411	CO01	Colorado	Grand County Stream Management Plan	Information	Upper Fraser River and tributaries		Completed			Lurline Curran	A3			
412	CO01	Colorado	Negotiations with Denver Water	Flow Protection	Upper Fraser River and tributaries		Ongoing			Lurline Curran	A3			
413	CO01	Colorado	Moffat Project	Project	Upper Fraser River and tributaries		Ongoing			Lurline Curran	A3			
414	CO01	Colorado	303d listing from Hammond Ditch, Ranch Creek, St. Louis Creek, on Fraser	Project	Upper Fraser River and tributaries					Lurline Curran	A3			
415	CO01	Colorado	Completion of Grand County Stream Management Plan for flow protection and enhancement	Information	Upper Fraser River and tributaries		Planned			Lurline Curran	A3			
416	CO01	Colorado	Moffet Tunnel Expansion Project -EIS and other data from Denver Water	Information	Upper Fraser River and tributaries		Planned			Mely Whiting (TU)	A25			
417	CO01	Colorado	Platte & Colorado Simulation Model (PACSM)	Information	Upper Fraser River and tributaries		Ongoing			Mely Whiting (TU)	A25			
418	CO01	Colorado	TNC Study for Denver re: maximizing operations to leave more flows	Information	Upper Fraser River and tributaries		Ongoing			Mely Whiting (TU)	A25			
419	CO01	Colorado	GCWIN (water quality data/studies)	Information	Upper Fraser River and tributaries		Ongoing			Mely Whiting (TU)	A25			
420	CO01	Colorado	Winter Park Water & Sanitation Pumpback	Flow Protection	Fraser River Jim Creek to US Hwy 40	could help protect in-stream flows	Ongoing			Mike Wageck (manager WPW&S)	A32			

**Table 9 Colorado Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
421	CO01	Colorado	Winter Park Rec. Assn. Snow making pumpback and storage	Flow Protection	Fraser River Jim Creek to US Hwy 40	could help protect in-stream flows	Ongoing			Doug Laraby (WPRA)	A33			
422	CO01	Colorado	Winter Park Water & Sanitation Alternative Source diversion and Pipeline	Flow Protection	Fraser River Jim Creek to US Hwy 40	could help protect in-stream flows	Ongoing							
423	CO01	Colorado	Fraser River Enhancement Project (FREP) by Towns of Fraser and Winter Park	Flow Protection	Fraser River Jim Creek to US Hwy 40		Ongoing			Jeff Durbin (Fraser); Drew Nelson (Winter Park)	A30, A31			
424	CO01A	Colorado	Grand County Stream Management Plan	Information	Ranch Creek (Lower)	Proposed firming project will increase diversions but stream is already dewatered. Some of this reach is on private land but maybe could be placed in a conservation easement. PNABSM & spawningg surveys complete.	Onoing/Completed							
425	CO01 & CO02	Colorado	Traction Sand Sedimentation Basin	Project	Fraser River - Berthoud Pass to the confluence	project will remove sediments from stream bed	Planned			Kirk Klancke (EGWQB); Holly Hoake (CDOT)	Z25			
426	CO01 & CO02	Colorado	Temperature Study (stream and ambient)	Information	Fraser River - Berthoud Pass to the confluence		Ongoing			Jane Tollet (GCWN); Mike Wageck (EGWQB)	A36, A32			
427	CO01 & CO02	Colorado	CDPHE listing for temperature 303d	Flow Protection	Fraser River		Ongoing			Becky Long (CEC)	A12			
428	CO01 & CO02	Colorado	CDPHE listing for copper on the M&E list	Project	Fraser River		Ongoing			Becky Long (CEC)	A12			
429	CO01 & CO02	Colorado	Share purchase in the Grand County Irrigated Land Company	Flow Protection	Fraser River	shares were purchased for future use of the water in the upper Fraser River for non-consumptive use and comsumptive use	Completed			Bruce Hutchins (GC Ditch & Reservior Company)	A10			

**Table 9 Colorado Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
430	CO03	Colorado	Algae & nutrient studies	Information	Grand Lake		Ongoing			Katherine Morris (Grand County Water Specialist)	A37			
431	CO03	Colorado	temperature studies	Project	Grand Lake		Ongoing			Katherine Morris (Grand County Water Specialist)Association	A37			
432	CO03	Colorado	Study on Bureau of Reclamation pumping through Adams Tunnel diversion on water quality in the lake	Information	Grand Lake		Ongoing			Katherine Morris (Grand County Water Specialist)Association	A37			
433	CO03	Colorado	GCWIN and Northern Conservancy District study on water quality in the lake ( 5 years data so far)	Information	Grand Lake		Ongoing			Katherine Morris (Grand County Water Specialist)Association	A37			
434	CO04	Colorado	Trying to get 10825 water released from Lake Granby to increase flows and help with problems related to water temperature	Flow Protection	North Fork of the Colorado	Right now there are two "firming" projects being reviewed by Denver Water and the Northern Colorado Water conservancy District. Problem is water is taken above our streams and rivers so we hav a water shortage throughout Grand County	Planned			GCWIN; TetraTech; Katherine Morris; Lurine Curran	A37, A3			
435	CO04	Colorado	Red Top Valley ditch and 10825 water evaluation	Flow Protection	North Fork of the colorado	Red Top diversions are drying up the river. Would like evaluation of mnimum flows needed to be left in the stream and mechanisms to deliver water to other shareholders with out drying up the river	Ongoing							

**Table 9 Colorado Basin NCNA Projects and Methods**

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436	CO06	Colorado	Windy Gap Firming EIS	Information	Colorado River Windy Gap to Williams Fork		Ongoing			Bureau of Reclamation	A66			
437	CO06	Colorado	Moffat Firming EIS	Information	Colorado River Windy Gap to Williams Fork		Ongoing			Scott Franklin (Army Corps Engineers -- Denver)	A39			
438	CO06	Colorado	Nehring Macro-Invertebrates Study 2010	Information	Colorado River Windy Gap to Williams Fork		Ongoing			Grand County/CDOW	A37, Z13			
439	CO06	Colorado	CDOW Fish Populations Study 2010 (Ewert)	Information	Colorado River Windy Gap to Williams Fork		Ongoing			Grand County/CDOW	A37, Z13			
440	CO06	Colorado	Listed 303d - temperature	Project	Colorado River Windy Gap to Williams Fork		Ongoing			Grand County/CDOW	A37, Z13			
441	CO06	Colorado	10825 Endangered Fish Study 2009	Project	Colorado River Windy Gap to Williams Fork		Ongoing			Grand County/CDOW	A37, Z13			
442	CO07	Colorado	CDOW Fish surveys over several years	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Completed				Z13			
443	CO07	Colorado	Nehring -- Whirling disease study	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Completed							
444	CO07	Colorado	Didymo (algae) Study (ASLO CU?)	Information	Colorado River -- Windy Gap Reservoir to Kremmling	study on Boulder Creek but results relevant for Colorado -- low flows and high phosphorus increase Didymo population	Completed			Katherine McKnight (CU-Boulder)	A40			
445	CO07	Colorado	FWS 1951 studies	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Completed			Peggy Bailey	A1			
446	CO07	Colorado	Windy Gap Project docs/data	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Completed			Northern Colorado Water Conservancy District	A41			
447	CO07	Colorado	Wild and Scenic Eligibility	Project	Colorado River -- Windy Gap Reservoir to Kremmling		Ongoing							

**Table 9 Colorado Basin NCNA Projects and Methods**

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448	CO07	Colorado	Grand County Stream Management Plan	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Completed							
449	CO07	Colorado	BLM Resource Management Plan	Information	Colorado River -- Windy Gap Reservoir to Kremmling	long term management guidance for natural resource protection and recreation activity/experience opportunities	Ongoing							
450	CO07	Colorado	W&SR Eligibility Report	Information	Colorado River -- Windy Gap Reservoir to Kremmling	suitability report to be included in final decision; ORV's include recreation (fishing)	Ongoing							
451	CO07	Colorado	Visitor Preference Survey 2007	Information	Colorado River -- Windy Gap Reservoir to Kremmling	identified preferences for activity, experiences, benefits (personel, commnity, environmental & economic)	Completed							
452	CO07	Colorado	W&SR suitability determination with RMP decision	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Planned							
453	CO07	Colorado	Upper Colorado Wild & Scenic Stakeholder Group alternative proposal	Information	Colorado River -- Windy Gap Reservoir to Kremmling		Planned							
454	CO08	Colorado	Grand County Stream Management Plan	Information	Williams Fork River	Stream Management/Adaptive Management monitoring opportunity for enhancements from Denver	Ongoing							
455	CO08	Colorado	Moffat Firing Project EIS	Information	Williams Fork River		Ongoing							
456	CO08	Colorado	GCWIN	Information	Williams Fork River		Ongoing							

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457	CO08	Colorado	Stream Management/Adaptive Management monitoring opportunity for enhancements from Denver	Information	Williams Fork River	coordination of operations between Northern Colorado Water Conservancy District and Denver could help flows and temperatures without affecting yield. 10825 water and enhancements from NCWCD could help	Planned							
458	CO08	Colorado	possible purchase of water rights	Flow Protection	Williams Fork River		Proposed							
459	CO08	Colorado	Carryover storage in Williams fork for environmental flows	Flow Protection	Williams Fork River	how Williams Fork could be used to augment flows with water purchased by others but stored in Williams fork River	Proposed							
460	CO09	Colorado	Tudor Jones reclamation for trout habitat	Project	Blue River below Green Mountain									
461	CO09	Colorado	Grand county stream Management Plan -- Phase III restoration	Information	Blue River below Green Mountain		Ongoing							
462	CO09	Colorado	Green Mountain Pumpback study	Information	Blue River below Green Mountain	need to know the water quality implications for Dillon and recreational impacts on Blue River to Colorado River	Ongoing							
463	CO09	Colorado	Implement recommendations to control flow fluctuations as specified in forthcoming stream plan	Flow Protection	Blue River below Green Mountain		Planned							
464	CO09	Colorado	long term plan for Green Mountain pumpback	Flow Protection	Blue River below Green Mountain	need to know the water quality implications for Dillon and recreational impacts on Blue River to Colorado River	Planned							



**Table 9 Colorado Basin NCNA Projects and Methods**

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465	CO10 & CO12	Colorado	Grand County Stream Management Plan	Information	Colorado River Confluence with the Blue River to State Bridge		Ongoing							
466	CO10 & CO12	Colorado	BLM Resource Management Plan Revision	Information	Colorado River Confluence with the Blue River to State Bridge	includes land management and W&SR aspects in EIS	Ongoing			BLM Glenwood Springs				
467	CO10 & CO12	Colorado	W&SR suitability determination with RMP decision	Information	Colorado River Confluence with the Blue River to State Bridge		Planned							
468	CO10 & CO12	Colorado	Upper Colorado Wild & Scenic Stakeholder Group alternative proposal	Information	Colorado River Confluence with the Blue River to State Bridge		Planned							
469	CO10 & CO12	Colorado	American Whitewater's Recreational Flow Assessment	Information	Colorado River from confluence with Blue River to No Name Creek in glenwood Canyon	contains information on flow rates, results, etc.	Completed							
470	CO10 & CO12	Colorado	American Whitewater user surveys	Information	Colorado River from confluence with Blue River to No Name Creek in glenwood Canyon		Ongoing							
471	CO10 & CO12	Colorado	CDOW fish shocking surveys	Information	Colorado River from confluence with Blue River to No Name Creek in glenwood Canyon		Ongoing							
472	CO10 & CO12	Colorado	Field work for ISF	Information			Completed			Bill Miller				

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473	CO13	Colorado	Analysis of Remedial Methods by EPA, CDPHE and NWCCOG	Project	Snake River		Ongoing							
474	CO13	Colorado	319 Grant with DRMS for project	Project	Snake River		Ongoing							
475	CO13	Colorado	CDOW fish shocking in lower segment	Information	Snake River		Ongoing							
476	CO13	Colorado	Likely Superfund treatment of Pennsylvania Mine	Information	Snake River		Planned							
477	CO14	Colorado	CWCD loan to East Fork Mutual Irrigation Co. for ditch repair	Information	Troublesome Creek		Ongoing							
478	CO16	Colorado	CDOW Fish surveys/status of Gold Medal fishery	Information	Blue River below Dillon Reservoir		Ongoing							
479	CO16	Colorado	Town of Silverthorne information for RICD and quantification of flows	Information	Blue River below Dillon Reservoir		Ongoing			Kevin Batchelder (Silverthorne Manager)	A44			
480	CO16	Colorado	CDOT I70 sediment control plan	Project	Blue River below Dillon Reservoir		Ongoing							
481	CO16	Colorado	Design and construction of kayak park for RICD	Project	Blue River below Dillon Reservoir		Planned							
482	CO15	Colorado	Restoration project	Project	Blue River above Dillon	Need to develop restoration plan. Reach is currently devoid of all aquatic life.	Completed			Peggy Bailey (TetraTech)	A1			
483	CO15	Colorado	Aquatic habitat study and restoration project (Town of Breckenridge)	Project	Blue River above Dillon	Need to develop restoration plan. Reach is currently devoid of all aquatic life.	Planned			Tom Daugherty (Town of Breckenridge)	A45			
484	CO2-01	Colorado	15 Mile Reach Programmatic Biological Opinion	Flow Protection	Gunnison River - 15 Mile Reach		Ongoing			Upper Colorado Endangered Fish Recovery Program	A63	x		

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485	CO2-02 and 03	Colorado	Wild and Scenic alternatives process and preliminary suitability	Flow Protection	Gunnison River - BLM GJFO Wild and Scenic section		Ongoing			BLM	A21			
486	CO2-04	Colorado	Water Quality Treatment project	Project	Sheep Creek					Tom Clark	A2			
487	CO2-05	Colorado	Wild and Scenic eligibility and alternatives process	Flow protection	Carr and Roan Creeks		Ongoing			Ken Neubecker	A13			
488	CO2-06	Colorado	Pitkin County ISF filings with CWCB	Flow protection	Pitkin County streams		Planned			Becky Long	A12			
489	CO2-07	Colorado	Proposed Hidden Gems Wilderness area and designation	Flow protection	Crystal River - tributary streams and some reaches		Proposed			Becky Long	A12			
490	CO2-08	Colorado	Planned BLM studies and management plan	Information	Roan Plateau		Planned			Ken Neubecker	A12			
491	CO2-10	Colorado	USFS bypass flow below Moffat collection system	Flow protection	Fraser River - mainstem from Denver water diversion to forest boundary		Ongoing			Kevin Bayer - Arapahoe National Forest	Z12			
492	CO2-10	Colorado	Planned Moffat firming DEIS	Flow protection	Fraser River - mainstem from Denver water diversion to forest boundary		Planned			Kevin Bayer - Arapahoe National Forest	Z12			
493	CO2-11	Colorado	Administratively required bypass flow from Moffat	Flow protection	St. Louis Creek - forest boundary to Denver diversion		Ongoing			Kevin Bayer - Arapahoe National Forest	Z12			
494	CO2-12	Colorado	USFS bypass flow below Moffat collection system	Flow Protection	Ranch Creek - Denver diversion to forest boundary		Ongoing			Kevin Bayer - Arapahoe National Forest	Z12			
495	CO2-13	Colorado	USFS bypass flow below Moffat collection system	Flow Protection	Vasquez Creek - Denver diversion to forest boundary		Ongoing			Kevin Bayer - Arapahoe National Forest	Z12			

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496	CO2-14	Colorado	Grand County Flow Management Plan	Flow Protection	Upper Colorado Basin in Grand County		Ongoing			Kathy Kitzmann - Aurora Water	Z37			
497	CO2-16	Colorado	Wild and Scenic eligibility and alternatives process	Flow Protection	Eagle River in Eagle County		Ongoing			Ken Neubecker	A12			
498	CO2-16	Colorado	Planned updated Eagle River watershed plan	information	Eagle River in Eagle County		Planned			Ken Neubecker	A12			
499	CO2-18	Colorado	Wild and Scenic eligibility and alternatives process	Flow Protection	Colorado River - Piney to Eagle River		Ongoing			Ken Neubecker	A12			
500	CO2-18	Colorado	Wolcott feasibility process	Information	Colorado River - Piney to Eagle River		Ongoing			Ken Neubecker	A12			
501	CO2-21	Colorado	Fraser River sediment control project	Project	Fraser River - just upstream of denver diversion		Ongoing			Kevin Bayer - Arapahoe National Forest	Z12			
502	CO2-21	Colorado	Planned Fraser River settling basin upgrades	Project	Fraser River - just upstream of denver diversion		Planned			Kevin Bayer - Arapahoe National Forest	Z12			
503	CO2-25	Colorado	Stream habitat enhancement project to improve fishery	Project	Colorado River between shadow mtn reservoir and granby reservoir		Completed			Kevin Bayer - Arapahoe National Forest	Z12			
504	CO2-26	Colorado	Constructed fish barrier to isolate non-natives from Colo CTT	Project	South Fork of Ranch Creek above Denver diversion		Completed			Kevin Bayer - Arapahoe National Forest	Z12			
505	CO2-27	Colorado	CDOT Black Gore sediment control action plan	Information	Black Gore and Gore Creeks		Completed			Ken Neubecker	A12			
506	CO2-28	Colorado	Miscellaneous bypass flows below Moffat collection system	Flow Protection	Fraser River - various tributaries - Meadow, Cabin and Hamilton Creeks		Ongoing			Kevin Bayer - Arapahoe National Forest	Z12			

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620	CO-AB1	Colorado	Planned culvert replacements for aquatic passage for Brook Trout, Mountain Sucker and Brown Trout	Information	Rock Creek		Planned			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
621	CO-AB2	Colorado	Channel Stabilization work	Project	Buzzard Creek		Completed			Clay Speas - GMUG National Forest - USFS	A64			
622	CO-AB2	Colorado	Boreal toad breeding ground monitoring	Information	Buzzard Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
623	CO-AB3	Colorado	Management of Hunter Reservoir outflows benefit E Salt Creek fish habitat	Flow Protection	East Salt Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
624	CO-AB4	Colorado	Channel Stabilization work	Project	Hightower Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
667	CO-AB5	Colorado	Fish Barrier	Project	West Fork of Red Dirt Creek	Installed barrier for Colorado Cuthroat Benefit	Completed			Roy Smith	A75			
668	CO-AB6	Colorado	Under consideration for Wild and Scenic designation	Flow Protection	Deep Creek	Protecting outstanding values with management	Ongoing			Roy Smith	A75			
669	CO-AB7	Colorado	Colorado Cutthroat Trout habitat restoration and restocking	Project	East Fork of Parachute Creek		Ongoing			Roy Smith	A75			
670	CO-AB8	Colorado	Stream rehabilitation project, livestock exclosures, and non-native removal	Project	Trapper Creek		Completed			Roy Smith	A75			
671	CO-AB9	Colorado	NCA Designation for McInnis Canyons	Flow Protection	Colorado River through McInnis Canyons		Completed			Roy Smith	A75			
181	USFS-ZS-27	Colorado	Bronco Creek Riparian Restoration	Project	Bronco Creek	Road Removal and Riparian Restoration	Completed			Carl Chambers	Z33			

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182	USFS-ZS-28	Colorado	Bronco Creek Mine Equipment Removal Project	Project	Bronco Creek	Mine Equipment Removal and Stream Stabilization	Completed			Carl Chambers	Z33			
183	USFS-ZS-29	Colorado	Denver Creek Instream Fish Habitat	Project	Denver Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
184	USFS-ZS-30	Colorado	Sawmill Gulch Instream Fish Habitat	Project	Sawmill Gulch	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
256	USFS-CO-1	Colorado	DWB Diversion Enhancement	Project	Hamilton Creek	Fish barrier incomplete, constructed an elevated concrete flume to make the barrier complete	Completed			Kelly Larkin	Z50			
257	USFS-CO-2	Colorado	Rock Barrier	Project	South Fork of Ranch Creek	Rock barrier as fish barrier	Completed			Kelly Larkin	Z50			
258	USFS-CO-3	Colorado	Stream Improvement	Project	South Fork of Ranch Creek	YOY refugia enhancement, culvert/barrier removal, bank stabilization, ATV crossing improvement	Completed			Kelly Larkin	Z50			
264	USFS-SR-1	Colorado	Culvert Repairs	Project	Supply Creek	Culvert upgrade to open bottom arch	Completed			Kelly Larkin	Z50			
265	USFS-SR-2	Colorado	ATV fording repairs	Project	Trail Creek	ATV crossings fixed by ATV bridge construction (3 sites); ATV ford fixed by open bottom arch	Completed			Kelly Larkin	Z50			
266	USFS-SR-3	Colorado	Habitat Improvement	Project	Willow Creek	Log drop structures	Completed			Kelly Larkin	Z50			

**Table 10 Gunnison Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
96	G-ZS-D	Gunnison	Cebolla Creek Instream Flow	Flow Protection	Cebolla Creek (just upstream of Blue Mesa)	Planned acquisition of water rights	Planned			Amy Beatie	Z22			
97	G-ZS-C	Gunnison	Little Cimarron Creek Instream Flow	Flow Protection	Little Cimarron Creek (Above Stumpy Creek Confluence)	Planned acquisition of water rights	Planned			Amy Beatie	Z22			
98	G-ZS-A	Gunnison	Breem Ditch Instream Flow	Flow Protection	Washington Gulch at the Slate River	Breem Ditch water rights acquisition	Completed	Received	Colorado Water Conservation Board	Amy Beatie	Z22			
191	G-ZS-E	Gunnison	Recommended Minimum flows for Gunnison River at the Confluence with the Colorado River	Information	Gunnison River near confluence with Colorado River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/Burdick1997.pdf">http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/Burdick1997.pdf</a>	Completed			Jana Mohrman	Z35			
209	G-ZS-F	Gunnison	Lake Fork Trail Stair Project	Project	Lake Fork of the Gunnison	install better stream access to reduce human impacts	Planned			Andrew Breibart	Z38			
210	G-ZS-G	Gunnison	Lake Fork Fish Enhancements	Project	Lake Fork of the Gunnison	installation of fishery habitat structures	Planned			Andrew Breibart	Z38			
253	G-ZS-H	Gunnison	North Fork Rehabilitation	Project	North Fork of Gunnison	Six miles of stream bank restoration, rebuilt 7 irrigation diversions for efficiency, public park on gravel mine	Completed			Dave Stiller				
255	G-ZS-I	Gunnison	Coal Creek Watershed Restoration Plan	Information	Coal Creek	Plan will outline restoration goals and funding needs and includes projects like irrigation diversion improvements, wetland restoration, mine reclamation and stormwater contaminant reduction	Planned			Anthony Poponi	Z49			
267	G-ZS-B	Gunnison	Lease/loan/purchase of water rights for instream flow	Flow Protection	Cochetopa Creek	Lease/loan/purchase of water rights for instream flow. Working with local landowner to re-wet stream	Planned			Amy Beatie	Z22			
314	G-ZS-B	Gunnison	SWSI Cochetopa Creek dry-up	Project/Flow Protection		Tentative Discussions between water right/ranch owner	Ongoing			CDOW	Z13			

**Table 10 Gunnison Basin NCNA Projects and Methods**

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315	G-ZS-J	Gunnison	SWSI Aspinall Unit Operations EIS	Report			Ongoing			CDOW	Z13			
316	G-ZS	Gunnison	SWSI Aquatic Wildlife Management Plan; Basinwide	Report		Preliminary Draft - expected completion and approval in later 2004	Ongoing			CDOW	Z13			
350	G02	Gunnison	Washington Gulch stream rehabilitation	Project	Washington Gulch		Ongoing			Steve Glazer	A68	No		
351	G02	Gunnison	Washington Gulch CWCB filing below Crested Butte	Flow Protection	Washington Gulch		Proposed		CWCB	Steve Glazer	A68	No		
352	G04	Gunnison	Gunnison Basin Selenium task Force	Project		water quality and remediation	Ongoing			Sonja Chavez de Baca				
353	G04	Gunnison	CWCB ISF Proposals for Dominguez Canyon Wilderness area & NCA	Flow Protection			Ongoing		CWCB		A21			
354	G04	Gunnison	WSR In-stream flow proposals within Dominguez	Flow Protection	big and little dominguez creeks	to meet WSR provisions of federal legislation	Planned		CWCB		A21			
355	G07	Gunnison	Wilderness Management	Project	stream segments in West Elk Wilderness	Grand Mesa, Uncompahgre & Gunnison National Forest	Ongoing			Forest Service				
356	G16	Gunnison	15 yr Flow Management Project Taylor River	Project	Taylor River	High Country Citizens Alliance (HCCA) project	Ongoing			Steve Glazer (HCCA)	A68			
357	G19	Gunnison	HCCA Project	Project	Lake Fork -- Lake San Cristobal to confluence with the Gunnison	High Country Citizens Alliance (HCCA) project	Ongoing			Steve Glazer	A68			
358	G06	Gunnison	Gunnison Basin Selenium task Force	Project	North Fork of the Gunnison -- Paonia Dam to the confluence with the Gunnison	North Fork is dewatered July-Sept due to irrigation use	Ongoing			Steve Glazer	A68			



**Table 10 Gunnison Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
359	G06	Gunnison	NFRIA Water quality Monitoring	Project	North Fork of the Gunnison -- Paonia Dam to the confluence with the Gunnison	North Fork is dewatered July-Sept due to irrigation use	Ongoing			Steve Glazer	A68			
360	G06	Gunnison	Paonia Reservoir Siltation study	Project	North Fork of the Gunnison -- Paonia Dam to the confluence with the Gunnison	North Fork is dewatered July-Sept due to irrigation use	Ongoing			Steve Glazer	A68			
361	G01	Gunnison	Instream Flows Black Canyon	Flow Protection	Curecanti NRA - Aspinal Unit					Steve Glazer	A68			
625	GU-AB1	Gunnison	Managing Lake Trout populations of brown trout, rainbow trout and kokanee salmon	Flow Protection	Blue Mesa, Morrow Point, Crystal Reservoirs and Gunnison River from Blue Mesa to Colorado confluence		Ongoing			Bureau of Reclamation	A38			
626	GU-AB1	Gunnison	Invasive species control program - quagga and zebra mussels	Project	Blue Mesa, Morrow Point, Crystal Reservoirs and Gunnison River from Blue Mesa to Colorado confluence		Ongoing			National Park Service - CDOW	A67, Z13			
627	GU-AB1	Gunnison	Gunnison River Basin Final Programmatic Biological Opinion	Flow Protection	Blue Mesa, Morrow Point, Crystal Reservoirs and Gunnison River from Blue Mesa to Colorado confluence		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
628	GU-AB2	Gunnison	National Park Service water rights utilized to preserve ecological values in park	Flow Protection	Gunnison river in Black Canyon National Park		Ongoing			National Park Service	A67			
629	GU-AB2	Gunnison	Wilderness Designation	Flow Protection	Gunnison river in Black Canyon National Park		Ongoing			National Park Service	A67			

**Table 10 Gunnison Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
630	GU-AB3	Gunnison	Releases from Crystal Dam designed to protect values of Black Canyon	Flow Protection	Gunnison River in Gunnison Gorge National Conservation Area to confluence with North Fork of Gunnison		Ongoing			National Park Service	A67			
631	GU-AB3	Gunnison	Wilderness Designation	Flow Protection	Gunnison River in Gunnison Gorge National Conservation Area to confluence with North Fork of Gunnison		Ongoing			National Park Service	A67			
632	GU-AB4	Gunnison	Gunnison River Basin Final Programmatic Biological Opinion	Flow Protection	Gunnison River - Hartland Diversion to Colorado confluence		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
633	GU-AB4	Gunnison	Planned Selenium Management Plan	Flow Protection	Gunnison River - Hartland Diversion to Colorado confluence		Planned			Upper Colorado Endangered Fish Recovery Program	A63			
634	GU-AB5	Gunnison	Hartland diversion project will increase fish passage	Project	Gunnison River - confluence with North Fork to Hartland diversion		Planned			Steve Glazer	A68			
635	GU-AB5	Gunnison	Planned Selenium Management Plan	Flow Protection	Gunnison River - confluence with North Fork to Hartland diversion		Planned			Steve Glazer	A68			
636	GU-AB6	Gunnison	North Fork River Improvement Association actively working to improve habitat	Project	North Fork Gunnison River - Paonia Dam to confluence with Gunnison		Ongoing			Steve Glazer	A68			

**Table 10 Gunnison Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
637	GU-AB7	Gunnison	Wilderness designation	Flow Protection	Stream Segments on Headwaters Wilderness		Ongoing			Steve Glazer	A68			
638	GU-AB8	Gunnison	Planned mining remediation	Project	Henson Creek and tributaries		Planned			Steve Glazer	A68			
639	GU-AB9	Gunnison	Uncompaghre Watershed Planning Partnership - planned process to develop remediation plans	Project	Uncompaghre River and tributaries		Planned			Steve Glazer	A68			
640	GU-AB10	Gunnison	Wilderness designation	Flow Protection	Tributaries to Taylor Park Reservoir		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
641	GU-AB10	Gunnison	Fen inventory and assessment	Information	Tributaries to Taylor Park Reservoir		Planned			Clay Speas - GMUG National Forest - USFS	A61			
642	GU-AB11	Gunnison	4 party agreement controlling lake levels and stream flows - benefits fish and wildlife habitat and boating recreation	Flow Protection	Taylor Park Reservoir		Ongoing			Steve Glazer	A68			
643	GU-AB12	Gunnison	Intergovernmental Agreement coordinating outlet to control lake level and stream flows in Lake Fork - benefits trout ponds and instream flows	Flow Protection	Lake San Cristobal		Ongoing			Steve Glazer	A68			
644	GU-AB13	Gunnison	Tri-County Water Conservancy District manages reservoir levels and releases for recreation and environmentl flows	Flow Protection	Ridgway Reservoir		Ongoing			Steve Glazer	A68			

**Table 10 Gunnison Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
645	GU-AB14	Gunnison	Planned native fish population restoration project	Project	Big Dominguez Creek		Planned			Clay Speas - GMUG National Forest - USFS	A61			
646	GU-AB15	Gunnison	Special management designation - protected as wilderness	Flow Protection	Roubideau Creek		Ongoing			Gary Shellhorn - GMUG National Forest - USFS	A61			
647	GU-AB16	Gunnison	Abandoned mined land inventory program - planned	Information	Ouray Headwaters		Planned			Gary Shellhorn - GMUG National Forest - USFS	A61			
648	GU-AB17	Gunnison	Culvert replacement work for fish passage	Project	Pauline Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
649	GU-AB18	Gunnison	Culvert replacement work for fish passage	Project	Chavez Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
650	GU-AB19	Gunnison	Culvert replacement work for fish passage	Project	Perfecto Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
651	GU-AB20	Gunnison	Stream crossing restoration work	Project	Quemado Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
652	GU-AB21	Gunnison	Exclosure work to keep livestock out of creek	Project	Ant Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
653	GU-AB22	Gunnison	Took out in-channel pond and re-established channel	Project	Los Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
654	GU-AB23	Gunnison	Removed bridge crossing, replaced culverts and restored channel	Project	Los Pinos Creek above Miller and Blue Creek confluences		Completed			Clay Speas - GMUG National Forest - USFS	A61			
655	GU-AB24	Gunnison	Restored stream to original channel	Project	West Pass Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			
656	GU-AB25	Gunnison	Stabilized channel and improved fish habitat	Project	Marshall Creek		Completed			Clay Speas - GMUG National Forest - USFS	A61			

**Table 10 Gunnison Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
657	GU-AB26	Gunnison	Moving campsites away from stream	Project	Gold Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
658	GU-AB27	Gunnison	Travel Management Plan - reduction of roads in water influx zones	Project	Gold and Quartz Creek Drainages		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
659	GU-AB28	Gunnison	Travel Management Plan - reduction of roads in water influx zones	Project	Los Pinos drainages		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
660	GU-AB29	Gunnison	instream flow assessment studies ongoing	Information	Willow Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
661	GU-AB31	Gunnison	Managing for boreal toad breeding ponds	Project	West Brush Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
662	GU-AB32	Gunnison	Research natural area for rare fens and plants	Information	Coal Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
663	GU-AB33	Gunnison	Rebuilding diversion structure and fish screen for benefit of Colo CTT	Project	Deep Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
672	GU-AB34	Gunnison	Bank Stabilization and fish habitat improvement	Project	Oh-Be-Joyful Creek		Ongoing			Roy Smith	A75			

**Table 11 North Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
49	NP1-1a	North Platte	Colorado Creek Culvert Project	Project	Colorado Creek	Replacing culverts to improve aquatic passage for fish and amphibians	Completed			Rick Henderson	A64			
50	NP1-1b	North Platte	Crosby Creek Culvert Project	Project	Crosby Creek	Replacing culverts to improve aquatic passage for fish and amphibians	Completed			Rick Henderson	A64			
51	NP1-1c	North Platte	East Brach of Willow Creek Culvert Project	Project	East Branch Willow Creek	Replacing culverts to improve aquatic passage for fish and amphibians	Completed			Rick Henderson	A64			
52	NP1-2	North Platte	Newcomb Creek grazing reduction project	Project	Newcomb Creek	Reduce Cattle grazing impacts to riparian area.	Completed			Rick Henderson	A64			
53	NP1-3	North Platte	Grizzly-Helena Trailhead Improvement	Project	Tributary to Goose Creek	Improvement to trail as it passes through a wetland area.	Planned			Rick Henderson	A64			
54	NP1-4	North Platte	Sawmill Creek Gravel Pit	Project	Sawmill Creek	Reclaim existing gravel pit into wetland area	Planned			Rick Henderson	A64			
55	NP1-5	North Platte	South Fork of Big Creek measurements	Information	South Fork of Big Creek (from Big Creek Lake outflow to Forest Service Boundary)	Install pressure transducer flow gages	Planned			Rick Henderson	A64			
56	NP1-6	North Platte	McGee Fen Fence	Project	McGee Fen	Reduce Cattle grazing impacts to riparian area.	Planned			Rick Henderson	A64			
57	NP1-7	North Platte	Teal Lake amphibian habitat construction	Project	Teal Lake	Dropping dead Lodgepole Pine into lake along shore for amphibian habitat	Planned			Rick Henderson	A64			
58	NP1-8	North Platte	Silver Creek culvert project	Project	Silver Creek	Removed culvert and made low water crossing to reduce creek damage	Completed			Rick Henderson	A64			
59	NP1-9	North Platte	Ninegan Creek Restoration	Project	Ninegan Creek	restoration of 200 meters of Ninegan Creek from Ditch blowout impacts	Planned			Rick Henderson	A64			
60	NP1-11	North Platte	New Pioneer Ditch Project	Project	Canadian River (at New Pioneer Ditch)	installed fish passage to diversion works	Completed			Ty Wattenberg	Z16			

**Table 11 North Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
61	NP1-12a	North Platte	Oklahoma #1 project	Project	Illinois River (on Arapahoe National Wildlife Refuge)	installed fish passage to diversion works	Completed			Pam Johnson	Z17			
62	NP1-12b	North Platte	Hubbard #2 Project	Project	Illinois River (on Arapahoe National Wildlife Refuge)	installed fish passage to diversion works	Completed			Pam Johnson	Z17			
63	NP1-12c	North Platte	Hubbard #1 Project	Project	Illinois River (on Arapahoe National Wildlife Refuge)	installed fish passage to diversion works	Completed			Pam Johnson	Z17			
64	NP1-12d	North Platte	Dryer project	Project	Illinois River (on Arapahoe National Wildlife Refuge)	installed fish passage to diversion works	Completed			Pam Johnson	Z17			
65	NP1-12e	North Platte	Boyce Bro Project	Project	Illinois River (on Arapahoe National Wildlife Refuge)	installed fish passage to diversion works	Completed			Pam Johnson	Z17			
66	NP1-12f	North Platte	Hill of Crouter Project	Project	Illinois River (on Arapahoe National Wildlife Refuge)	installed fish passage to diversion works	Completed			Pam Johnson	Z17			
67	NP1-13a	North Platte	Willow Exclosure #1	Information	Illinois River (on Arapahoe National Wildlife Refuge)	setup willow exclosures along river to study ungulate browsing on willows and compare methods of restoration	Completed			Pam Johnson	Z17			
68	NP1-13b	North Platte	Willow Exclosure #2	Information	Illinois River (on Arapahoe National Wildlife Refuge)	setup willow exclosures along river to study ungulate browsing on willows and compare methods of restoration	Completed			Pam Johnson	Z17			
69	NP1-13c	North Platte	Willow Exclosure #3	Information	Illinois River (on Arapahoe National Wildlife Refuge)	setup willow exclosures along river to study ungulate browsing on willows and compare methods of restoration	Completed			Pam Johnson	Z17			

**Table 11 North Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
70	NP1-13d	North Platte	Willow Exclosure #4	Information	Illinois River (on Arapahoe National Wildlife Refuge)	setup willow exclosures along river to study ungulate browsing on willows and compare methods of restoration	Completed			Pam Johnson	Z17			
71	NP1-13e	North Platte	Willow Exclosure #5	Information	Illinois River (on Arapahoe National Wildlife Refuge)	setup willow exclosures along river to study ungulate browsing on willows and compare methods of restoration	Completed			Pam Johnson	Z17			
72	NP1-14a	North Platte	Hebron Sloughs - Haworth Meadows	Project	Hebron Sloughs	Wetland enhancement through irrigation improvements	Completed			Matt Reddy	Z18			
73	NP1-14b	North Platte	Hebron Sloughs - Pipe and Ditch	Project	Hebron Sloughs	wetland restoration through control structure renovation	Completed			Matt Reddy	Z18			
74	NP1-14c	North Platte	Hebron Wildlife Management Area - Wetland Restoration	Project	Hebron Sloughs	wetland restoration through installation of ditches and levees	Completed			Matt Reddy	Z18			
75	NP1-14	North Platte	Hebron Wildlife Management Area Wetland Restoration Study	Information	Hebron Sloughs	study of wetland conservation potential	Planned			Matt Reddy	Z18			
76	NP-15	North Platte	Lake John Wetland		Lake John Wetland		Completed			Matt Reddy	Z18			
77	NP-15	North Platte	Lake John Wetland Breeding Habitat Improvements	Project	Lake John Wetland	waterfowl breeding improvements	Planned			Matt Reddy	Z18			
78	NP-16a	North Platte	Pleasant Valley Ditch (NP1-16a)	Project	Shafer Creek	reduce carriage loss to improve wetland complex	Completed			Matt Reddy	Z18			
79	NP-16b	North Platte	Independence Ditch (NP1-16b)	Project	Shafer Creek	reduce carriage loss to improve wetland complex	Completed			Matt Reddy	Z18			
80	NP-16	North Platte	Shafer Creek Basin wet meadow assessment	Information	Shafer Creek	wet meadow study	Planned			Matt Reddy	Z18			
81	NP-17	North Platte	Tointon Wetland Complex	Project	North Platte River	Wet meadow restoration	Completed			Matt Reddy	Z18			
82	NP-18	North Platte	Walden Reservoir		Walden Reservoir		Completed			Matt Reddy	Z18			



**Table 11 North Platte Basin NCNA Projects and Methods**

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83	NP-19	North Platte	Wheeler Creek water quality / quantity measurements	Information	Wheeler Creek	water quality, water quantity, and R2Cross measurements for purpose of CWCB instream flow right	Completed			Barbara Vazquez	Z20			
84	NP-19	North Platte	Wheeler Creek instream flow right	Flow Protection	Wheeler Creek	purpose to obtain CWCB instream flow right	Planned			Barbara Vazquez	Z20			
85	NP-20	North Platte	South Fork of Big Creek water quality / quantity measurements	Information	South Fork Big Creek	water quality, water quantity, and R2Cross measurements for purpose of CWCB instream flow right	Completed			Barbara Vazquez	Z20			
86	NP-20	North Platte	South Fork of Big Creek instream flow right	Flow Protection	South Fork Big Creek	purpose to obtain CWCB instream flow right	Planned			Barbara Vazquez	Z20			
87	NP-21	North Platte	North Fork of North Platte River water quality / quantity measurements	Information	North Fork of North Platte River	water quality, water quantity, and R2Cross measurements for purpose of CWCB instream flow right	Completed			Barbara Vazquez	Z20			
88	NP-21	North Platte	North Fork of North Platte River instream flow right	Flow Protection	North Fork of North Platte River	purpose to obtain CWCB instream flow right	Planned			Barbara Vazquez	Z20			
89	NP-22	North Platte	Indian Creek water quality / quantity measurements	Information	Indian Creek	water quality, water quantity, and R2Cross measurements for CWCB website	Completed			Barbara Vazquez	Z20			
90	NP1-23a	North Platte	Grizzly Creek water quality / quantity measurements	Information	Grizzly Creek	infrequent water quality and water quantity measurements for BLM	Completed			Barbara Vazquez	Z20			
91	NP1-23b	North Platte	Government Creek water quality / quantity measurements	Information	Government Creek	infrequent water quality and water quantity measurements for BLM	Completed			Barbara Vazquez	Z20			
92	NP1-23c	North Platte	Spring Creek water quality / quantity measurements	Information	Spring Creek	infrequent water quality and water quantity measurements for BLM	Completed			Barbara Vazquez	Z20			
93	NP1-24	North Platte	Chandler Ranch Ditch Cleaning	Project		Chandler Ranch Ditch Cleaning	Planned			Ann Timberman	Z21			

**Table 11 North Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
216	NP1	North Platte	North Park Model DSS	Information	Jackson County	Development of water availability studies on the North Fork of the North Platte, south Fork of Big Creek and Wheeler Creek - ongoing capability to model water supplies and unappropriated water. Survey of irrigated acreage.	Ongoing, Planned			Kent Crowder	Z41	x	Water availability	
338	NP1-25	North Platte	Lake John Expansion	Project		Presented in concept	Proposed			CDOW	Z13			

Table 12 Rio Grande Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
2	RG-Z5-15	Rio Grande	Rio Grande Main stem (Fern Creek to Cliff Lake) Tree planting, and Fishery structures	Project	Rio Grande Main stem (Fern Creek to Cliff Lake)		Completed			Allen Lizenby	Z2			
3	RG-Z5-15	Rio Grande	Rio Grande Main stem (Fern Creek to Cliff Lake) Stream Rechanneling	Project	Rio Grande Main stem (Fern Creek to Cliff Lake)		Completed			Allen Lizenby	Z2			
4	RG-Z5-4	Rio Grande	Rio Grande Reservoir Rehabilitation	Flow Protection	Rio Grande Reservoir	Enhanced storage providing retiming of Rio Grande flows. See Travis Smith for studies.	Planned	Received	Colorado Water Conservation Board	Travis Smith	Z3			
5	RG-ZS-13	Rio Grande	Shallow Creek Stream Restoration & Structures	Project	Shallow Creek	Stream Restoration and Enhance Structures (drops, weirs, etc) for fisheries.	Completed			Charles Nearburg	Z5			
6	RG-ZS-10	Rio Grande	Sheep Creek Rock Dams	Project	Sheep Creek - Trib to Saguache Creek	Installed about 40 rock dam structures in stream.	Completed			Greg Sease	Z4			
7	RG-ZS-12	Rio Grande	Trout Creek above Ceede Structures project	Project	Trout Creek above Creede	Installed checks, weirs, j-hooks, and rock structures to improve fisheries and stop bank erosion. Planted trees.	Completed			Charles Nearburg	Z5			
8	RG-ZS-8	Rio Grande	Rio Grande Natural Area Riparian Restoration	Project	Rio Grande from Alamosa Wildlife National Refuge to Colorado state line	1/4 mile strip on both sides of Rio Grande to restore riparian corridor	Planned			Steve Vandiver	Z6			
9	RG-ZS-9	Rio Grande	Willow Creek Restoration Committee Mine Tailings	Water Quality Protection	Willow Creek	Portions mine tailing sites restored	Completed			Zelke Ward	Z7			
10	RG-ZS-9	Rio Grande	Willow Creek Restoration Committee Channel Restoration	Project	Mineral County above Creede to Rio Grande	Restore natural channel, reduce sediment and heavy metal pollution	Planned			Zelke Ward	Z7			
11	RG-ZS-6	Rio Grande	Kerber Creek Restoration	Project	Kerber Creek	Stream Restoration	Completed			Steve Sanchez	Z8			

**Table 12 Rio Grande Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
38	RG-ZS-22	Rio Grande	South Fork of Rio Grande Park Creek Campground	Project	South Fork of Rio Grande at Park Creek Campground	six instream structures (J-hooks, weirs, etc) for fish habitat and 0.2 acres of riparian wetlands	Completed			Becky Pierce	Z15			
39	RG-ZS-21	Rio Grande	Gravel Pond Wetlands project	Project	South Fork of Rio Grande	Filled gravel ponds in floodplain creating ground level wetlands.	Completed			Becky Pierce	Z15			
102	RG-ZS-23	Rio Grande	Alamosa River Instream Flow	Flow Protection	Alamosa River (from Terrace Reservoir to County Rd 10)	Alamosa River Instream Flow	Completed			Cindy Medina	Z24			
151	RG-ZS-25	Rio Grande	Hot Springs Creek restoration project	Project	Hot Springs Creek	easement on land, restoration of Rio Grande Chub in Creek	Completed			Amy Trainer	Z32			
152	RG-ZS-24	Rio Grande	San Luis Conservation Initiative	Project	San Luis Creek	working with land management agencies and private landowners to protect the river corridor	Planned			Amy Trainer	Z32			
211	RG-ZS-26	Rio Grande	Saguache Reservoir acquisition	Flow Protection	Saguache Reservoir	acquisition of reservoir for community recreation	Planned			Town of Saguache	Z39			
217	RG-ZS-11	Rio Grande	Rio Grande Restoration Project	Project	Rio Grande upstream of Alamosa	Justification of projects based on 2001 Study of reach between South Fork and Alamosa/Costilla County. Projects address habitat for SW Willow Flycatcher, stabilizing riparian zones and improvement of fisheries. Opportunities for flood plain management and diversion structure improvements.	Ongoing, Planned			Mike Gibson; Ron Beanne	Z42, Z43			

Table 12 Rio Grande Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
342	RG-ZS	Rio Grande	Fully utilize transmountain return flows - Rio Grande	Flow Protection/Information		CDOW has developed the accounting tool necessary for the determination of available transmountain return flows and is using the preliminary data	Planned			CDOW	Z13			
343	RG-ZS-27	Rio Grande	Continental Reservoir Storage Agreement	Flow Protection		CDOW is investigating ways to re-establish the pool that previously existed	Proposed			CDOW	Z13			
344	RG-ZS-28	Rio Grande	Platoro Reservoir minimum flow modification	Flow Protection		CDOW has transmountain water sources that may be suitable for exchange to cover evaporative losses. Potential exists for leasing Joint Use Pool Water sources.	Proposed			CDOW	Z13			
345	RG-ZS	Rio Grande	Dredging of conservation pools	Project		CDOW has identified silt problems in Big Meadows, Beaver, Road Canyon, Upper and Lower Browns	Proposed			CDOW	Z13			
388	RG06	Rio Grande	Ongoing restoration and management efforts including the acquisition of water rights	Project	Blanca Wetlands		Ongoing			BLM	A21			
389	RG05	Rio Grande	USFWS/CDOW water diversion/water control structures to maintain water levels	Flow Protection	Lower Crestone Creek	large remnant population fo Rio Grande Suckers	Ongoing			Ron Garcia, USFWS Baca Refuge - Alamosa Office	A4			
390	RG05	Rio Grande	fish studies by USFWS and CDOW	Information	Lower Crestone Creek		Planned			Ron Garcia, USFWS Baca Refuge - Alamosa Office	A4			

Table 12 Rio Grande Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
391	RG04	Rio Grande	Multiple conservation easements on ranches that tie water to the land.	Flow Protection	Saguache Creek		Completed			TNC/Colorado Cattlemens Land Trust	A5			
392	RG01	Rio Grande	Conservation easement with TNC including 2 miles of stream flow restoration on creek (unnamed)	Flow Protection	Valley View Hot Springs		Completed			Paul Robertson	A19	yes	2 miles stream flow restoration	
393	RG02	Rio Grande	Conservation easements and fee title covering about 3,000 acres	Flow Protection	Mohak Lakes Wetland Complex		Completed			Pete Clark	A20	yes	about 3,000 acres	
394	RG02	Rio Grande	Hydrologic assessment (Sanderson et al 2008) simulated natural hydrologic regime	Information	Mohak Lakes Wetland Complex		Completed					yes	hydrologic model with flow data	
395	RG03	Rio Grande	Alamosa River ISF Restoration	Flow Protection	Alamosa River		Ongoing			Cindy Medina -- Alamosa Riverkeeper	Z24	no		
396	RG03	Rio Grande	Alamosa River Upgrades	Flow Protection	Alamosa River	Upgrades to Terrace River, water acquisitions and habitat restoration	Planned			Cindy Medina -- Alamosa Riverkeeper	Z24	no		
674	RG-AB1	Rio Grande	Barrier installation and non-native removal habitat restoration project	Project	La Garita		Ongoing			Roy Smith	A75			
676	RG-ZS-29	Rio Grande	Culvert replacements	Project	Big Springs Creek	38° 05' 14"N; 106° 21' 12"W	Completed			Phil Reinholtz	Z51			
677	RG-ZS-30	Rio Grande	Culvert replacements	Project	Big Springs Creek	38° 05' 05"N; 106° 21' 10"W	Completed			Phil Reinholtz	Z51			
678	RG-ZS-31	Rio Grande	Culvert replacements	Project	Big Springs Creek	38° 05' 07"N; 106° 21' 10"W	Completed			Phil Reinholtz	Z51			
679	RG-ZS-32	Rio Grande	Culvert replacements	Project	Prong Creek	37° 57' 25"N; 106° 30' 04"W	Completed			Phil Reinholtz	Z51			
680	RG-ZS-33	Rio Grande	Culvert replacements	Project	Perry Creek	37° 54' 10"N; 106° 35'03"W	Completed			Phil Reinholtz	Z51			
681	RG-ZS-34	Rio Grande	Culvert replacements	Project	Groundhog Creek	37° 51' 53"N; 106° 35'36"W	Completed			Phil Reinholtz	Z51			
682	RG-ZS-35	Rio Grande	Culvert replacements	Project	Benino Creek	37° 53' 00"N; 106° 36' 05"W	Completed			Phil Reinholtz	Z51			

**Table 12 Rio Grande Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
683	RG-ZS-36	Rio Grande	Culvert replacements	Project	Middle Fork Carnero Creek	37° 57' 29"N; 106° 25' 55"W	Completed			Phil Reinholtz	Z51			
684	RG-ZS-37	Rio Grande	Culvert replacements	Project	North Fork Carnero Creek	37° 55' 26"N; 106° 23' 25"W	Completed			Phil Reinholtz	Z51			
685	RG-ZS-38	Rio Grande	Culvert removal	Project	Cave Creek	37° 54' 08"N; 106° 30' 42"W	Completed			Phil Reinholtz	Z51			
686	RG-ZS-39	Rio Grande	Stream restoration	Project	South Fork of Rio Grande	37° 35' 46"N; 106° 43' 37"W	Completed			Phil Reinholtz	Z51			
687	RG-ZS-40	Rio Grande	Stream restoration	Project	Conejos Creek	37° 20' 24"N; 106° 29' 27"W	Completed			Phil Reinholtz	Z51			
688	RG-ZS-41	Rio Grande	Stream restoration	Project	Conejos Creek	37° 08' 17"N; 106° 24' 26"W	Completed			Phil Reinholtz	Z51			
689	RG-ZS-42	Rio Grande	Stream restoration	Project	Conejos Creek	37° 10' 23"N; 106° 24' 40"W	Completed			Phil Reinholtz	Z51			
690	RG-ZS-43	Rio Grande	Stream restoration	Project	Alamosa River	37° 22' 45"N; 106° 20' 44"W	Completed			Phil Reinholtz	Z51			
691	RG-ZS-44	Rio Grande	Road Relocation	Project	North Fork Carnero Creek	37° 55' 21"N; 106° 23' 25"W	Completed			Phil Reinholtz	Z51			
692	RG-ZS-45	Rio Grande	Road obliteration-closure	Project	Park Creek	13 0349151; 4158262. 13 0350004; 4156819. 13 0349831; 4151822.	Completed			Phil Reinholtz	Z51			
693	RG-ZS-46	Rio Grande	Migration Barriers	Project	Middle Fork Carnero Creek	37° 56' 01"N; 106° 25' 27"W	Completed			Phil Reinholtz	Z51			
694	RG-ZS-47	Rio Grande	Migration Barriers	Project	North Fork Carnero Creek	37° 54' 42"N; 106° 23' 26"W	Completed			Phil Reinholtz	Z51			
695	RG-ZS-48	Rio Grande	Migration Barriers	Project	Big Springs Creek	38° 06' 05"N; 106° 21' 31"W	Completed			Phil Reinholtz	Z51			
696	RG-ZS-49	Rio Grande	Migration Barriers	Project	Lake Fork Conejos	37° 19' 05"N; 106° 30' 06"W	Completed			Phil Reinholtz	Z51			
697	RG-ZS-50	Rio Grande	Million Reservoir Diversion Improvements	Project	Mill Creek	13 0352960; 4165715	Completed			Phil Reinholtz	Z51			
698	RG-ZS-51	Rio Grande	Stream crossing restoration work	Project	La Garita	37° 50' 18"N; 106° 22' 35"W	Planned			Phil Reinholtz	Z51			
699	RG-ZS-52	Rio Grande	Stream crossing restoration work	Project	La Garita	37° 50' 14"N; 106° 21' 34"W	Planned			Phil Reinholtz	Z51			
700	RG-ZS-53	Rio Grande	Fish habitat improvement	Project	Conejos Creek	37° 09' 48"N; 106° 26' 16"W	Planned			Phil Reinholtz	Z51			
701	RG-ZS-54	Rio Grande	Culvert replacement	Project	Beaver Creek	37° 29' 35"N; 106° 36' 39"W	Planned			Phil Reinholtz	Z51			
702	RG-ZS-55	Rio Grande	Culvert replacement	Project	Beaver Creek	37° 29' 56" N; 106° 37' 08"W	Planned			Phil Reinholtz	Z51			

**Table 13 South Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
1	SP-ZS-54	South Platte	Lazy River Stream Restoration	Project	North Fork of South Platte	Added vortex weirs	Completed		Denver Water	David Bennet	Z1			
12	SP-ZS-35	South Platte	Lazy River Stream Stabilization	Project	Tarryall Creek	Stream Stabilization with Rock	Completed			Mark Beardsley	Z9			
13	SP-ZS-36	South Platte	Eagle Rock Ranch Stream Stabilization	Project	Tarryall Creek	Stream Stabilization with Rock	Completed			Mark Beardsley	Z9			
14	SP-ZS-40	South Platte	Puma Hills River Ranch Channel Reconstruction	Project	Lower Tarryall Creek	Channel Reconstruction and Stabilization, and some riparian protection	Completed			Mark Beardsley	Z9			
15	SP-ZS-34	South Platte	Allen Ranch Channel Reconstruction	Project	Lower Tarryall Creek	Channel Reconstruction and Stabilization, and some riparian protection	Completed			Mark Beardsley	Z9			
16	SP-ZS-39	South Platte	Bennis Ranch Channel Reconstruction	Project	Lower Tarryall Creek	Channel Reconstruction and Stabilization, and some riparian protection	Completed			Mark Beardsley	Z9			
17	SP-ZS-38	South Platte	Tarryall State Wildlife Area Channel Reconstruction	Project	Lower Tarryall Creek	Channel Reconstruction and Stabilization, and some riparian protection	Completed			Mark Beardsley	Z9			
18	SP-ZS-37	South Platte	Tarryall Reservoir Outlet Channel Reconstruction	Project	Lower Tarryall Creek	Channel Reconstruction and Stabilization, and some riparian protection	Completed			Mark Beardsley	Z9			
19	SP-ZS-41	South Platte	Cline Ranch Riparian Restoration	Project	Upper Tarryall Creek	Riparian Restoration of Ranching and Placer mining impacts	Completed		Colorado Water Conservation Board	Mark Beardsley	Z9			
20	SP-ZS-42	South Platte	McDaniel Ranch Riparian Restoration	Project	Michigan Creek	Riparian Restoration of Ranching impacts	Completed			Mark Beardsley	Z9			
21	SP-ZS-43	South Platte	Fairplay Beach Stream Restoration	Project	Middle Fork of South Platte in Fairplay	Riparian Restoration of Placer mining impacts	Completed			Mark Beardsley	Z9			
22	SP-ZS-44	South Platte	Buffalo Peaks Ranch Fish Habitat	Project	Middle Fork of South Platte	Fish Habitat in channel work, bank stabilization, public access	Completed		Trout Unlimited	Mark Beardsley	Z9			
23	SP-ZS-45	South Platte	Santa Maria Ranch Riparian Restoration	Project	Middle Fork of South Platte	Riparian restoration and Channel reconstruction	Completed			Mark Beardsley	Z9			



Table 13 South Platte Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
24	SP-ZS-46	South Platte	Pettee Ranch Riparian Restoration	Project	Four-Mile Creek	Riparian restoration of grazing impacts	Completed			Mark Beardsley	Z9			
25	SP-ZS-47	South Platte	Four-Mile Creek / Denver Water Channel Reconstruction	Project	Four-Mile Creek	Reconstruction of 3 mile channelized creek to 5 mile meandering stream. Part of larger wetlands restoration project.	Completed		Colorado Water Conservation Board	Mark Beardsley	Z9			
26	SP-ZS-53	South Platte	South Platte Protection Plan #3 - Eleven Mile Reservoir	Flow Protection	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Release of minimum instream flows necessary for fishery habitat	Completed			Denver Water	Z10	x	fisheries habitat	The lesser of 32 cfs or the 7-day running average of computed inflow
27	SP-ZS-53	South Platte	South Platte Protection Plan #4 - Cheeseman Reservoir	Flow Protection	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Release of minimum instream flows necessary for fishery habitat	Completed			Denver Water	Z10	x	fisheries habitat	the lesser of 35 cfs from Aug. - Mar., and 40 cfs from Apr. - Jul., or the computed inflow
28	SP-ZS-53	South Platte	South Platte Protection Plan #5 - Outflow Ramping from Eleven Mile / Cheeseman Reservoir / Roberts Tunnel	Flow Protection	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Outflow Ramping Agreement (ie reservoir outflow fluctuation agreements by percent of change)	Completed			Denver Water	Z10	x	fisheries habitat	See Table 3: Outflow Ramping Schedule from p. B-10 of South Platte Protection Plan, June 2003.

Table 13 South Platte Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
29	SP-ZS-53	South Platte	South Platte Protection Plan #6 - Channel work on North Fork	Information	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Commitment to consult Colorado Division of Wildlife in any channel work and to maintain or enhance structural habitat for trout.	Completed			Denver Water	Z10			
30	SP-ZS-53	South Platte	South Platte Protection Plan #7 - Planning meetings b/t Operators and fisheries and whitewater interests	Information	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Commitment to consult fisheries and recreation interests regarding upcoming operations.	Completed			Denver Water	Z10			
31	SP-ZS-53	South Platte	South Platte Protection Plan #8 - New operating and monitoring equipment	Project	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Install low flow valve at Eleven Mile Reservoir, install stream temp. monitors at Eleven Mile and Cheeseman Reservoirs, and SNOTEL gages in the basin	Completed			Denver Water	Z10			
32	SP-ZS-53	South Platte	South Platte Protection Plan #2 - Spinney Mountain Reservoir	Flow Protection	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Release of minimum instream flows necessary for fishery habitat	Completed			City of Aurora	Z11	x	fisheries habitat	The lesser of 32 cfs or the native inflow

Table 13 South Platte Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
33	SP-ZS-53	South Platte	South Platte Protection Plan #9 - Stream Channel Maintenance	Water Quality Protection	South Platte (from Eleven-mile reservoir outlet to confluence with the North Platte) and North Platte (from Insmont to confluence with South Platte)	Monitor Sediment levels, and where necessary develop in-channel projects to stabilize banks and erosion resulting from the 2002 Hayman fire.	Planned			Kevin Bayer	Z12			
34	SP-ZS-52	South Platte	North Fork Fish Channel	Project	North Fork of South Platte (just below Antero)	Created alternate channel for fish movement	Completed			Denver Water	Z10			
35	SP-ZS-43	South Platte	Four-Mile Creek / Denver Water Channel Reconstruction #2	Project	Four-Mile Creek	90 acre Wetlands restoration. Part of a larger restoration project	Completed			Denver Water	Z10			
36	SP-ZS-44	South Platte	Five-Mile Creek Channel Reconstruction	Project	Five-Mile Creek	Stream Restoration	Completed			Denver Water	Z10			
45	SP-ZS-51	South Platte	Cache la Poudre bank stabilization	Water Quality Protection	Cache la Poudre (near I-25)	Created wetlands and excavated sediment	Completed			Becky Pierce	Z15			
46	SP-ZS-50	South Platte	Saint Vrain stream realignment and wetland enhancement	Project	Saint Vrain (near Longmont)	Realigned stream channel, wetland mitigation and enhancement	Completed			Becky Pierce	Z15			
47	SP-ZS-49	South Platte	East Plum Creek wetlands restoration, channel restoration work.	Project	East Plum Creek	Created wetlands, and installed in-stream structure to re-channel stream for Prebles Jumping Mouse	Completed			Becky Pierce	Z15			
48	SP-ZS-48	South Platte	Mayer Ranch Park mitigation project	Project	South Turkey Creek	channel reconstruction to mitigate incised stream.	Completed			Becky Pierce	Z15			
103	SP-ZS-30	South Platte	Hayman Fire Restoration	Water Quality Protection	South Platte River upstream of Michigan Creek	Doing Hydro assessment in regards to sediment impacts from the Hayman Fire. Also removal of low-head dam.	Planned		EPA & US Fish and Wildlife Service	Steve Dougherty	Z26			
131	SP-ZS-31	South Platte	Trumbull Trout Habitat Enhancement	Project	South Platte below Horse Creek	Improve trout habitat in river and provide better public access	Completed			Steve Dougherty	Z26			

**Table 13 South Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
142	SP-ZS-55	South Platte	River North Greenway Master Plan	Information	Metro Denver Greenways	master plan for recreation use on the Metro North South Platte	Completed			Jeff Shoemaker	Z30			
143	SP-ZS-55	South Platte	Westerly Creek Greenway Master Plan	Information	Metro Denver Greenways	master plan for recreation use on Westerly Creek	Planned		Colorado Water Conservation Board	Jeff Shoemaker	Z30			
144	SP-ZS-55	South Platte	Recreational and Riparian Improvements along the South Platte	Project	Metro Denver Greenways	habitat enhancements and recreation enhancements along the Metro South Platte	Completed			Jeff Shoemaker	Z30			
145	SP-ZS-55	South Platte	Expansion / Enhancement to Confluence Park	Project	Metro Denver Greenways	habitat enhancements and recreation enhancements to Confluence Park	Completed			Jeff Shoemaker	Z30			
146	SP-ZS-55	South Platte	Chatfield Reallocation Program	Flow Protection	Metro Denver Greenways	storage water in chatfield for releases into South Platte for recreation use	Planned		Colorado Water Conservation Board	Jeff Shoemaker	Z30			
147	SP-ZS-55	South Platte	River South Greenway Master Plan	Information	Metro Denver Greenways	master plan for recreation use on the Metro South Platte	Completed			Jeff Shoemaker	Z30			
148	SP-ZS-56	South Platte	Gross Reservoir Minimum Release	Flow Protection	Gross Reservoir	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	minimum releases	5 cfs year round
149	SP-ZS-57	South Platte	Strontia Springs Reservoir to L.C. Pump Station instream flows	Flow Protection	Strontia Springs Reservoir to L.C. Pump Station	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	minimum instream flows	60 cfs from May 15 until Sep. 15. And 30 cfs from Sep. 16 until May 14
150	SP-ZS-58	South Platte	L.C. Pump Station to Chatfield Reservoir instream flows	Flow Protection	L.C. Pump Station to Chatfield Reservoir	Denver Water Minimum Instream Flows	Completed			Denver Water	Z10	x	minimum instream flows	60 cfs from May 15 until Sep. 15. And 15 cfs from Sep. 16 until May 14
153	SP-ZS-59	South Platte	Happy Meadows/ Sportsman's Paradise River Restoration	Project	South Platte at Happy Meadows	riparian and river restoration	Completed			Carol Ekarius	Z31			
159	USFS-ZS-6	South Platte	North Fork of the Cache La Poudre River Instream Fish Habitat	Project	North Fork of the Cache La Poudre River	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			

**Table 13 South Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
165	USFS-ZS-12	South Platte	Mountain Park Campground Fish Habitat Project	Project	Cache La Poudre River at Mountain Park Campground	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
166	USFS-ZS-13	South Platte	Dutch George bank Stabilization	Project	Cache La Poudre River at Dutch George	Bank Stabilization	Completed			Carl Chambers	Z33			
167	USFS-ZS-14	South Platte	Kelly Flats Campground Bank Stabilization	Project	Cache La Poudre River at Kelly Flats Campground	Bank Stabilization	Completed			Carl Chambers	Z33			
168	USFS-ZS-15	South Platte	Big Thompson River Instream Fish Habitat Project	Project	Big Thompson River above Waltonia	ADA fishing access and Instream Fish Habitat Improvements	Completed			Carl Chambers	Z33			
170	USFS-ZS-17	South Platte	Middle St. Vrain River Fish Structures	Project	Middle St. Vrain River at Camp Dick	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
171	USFS-ZS-18	South Platte	Carnage Creek Channel Reconstruction	Project	Carnage Creek (Tributary of Lefthand Creek)	Close Off-Road Vehicle access and Channel Reconstruction	Completed			Carl Chambers	Z33			
172	USFS-ZS-19	South Platte	Jumbo Mountain Picnic Ground Bank Stabilization	Project	South Boulder Creek at Jumbo Mountain Picnic Ground	Bank Stabilization and Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
173	USFS-ZS-20	South Platte	Tributary of West Fork of Clear Creek Bank Stabilization	Project	Tributary of West Fork of Clear Creek	Bank Stabilization and Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
174	USFS-ZS-20	South Platte	Reintroduction of Native Cutthroat Trout	Project	Tributary of West Fork of Clear Creek	Planned Reintroduction of Native Cutthroat Trout	Planned			Carl Chambers	Z33			
203	SP-ZS-60	South Platte	Cherry Creek Basin Water Quality Authority	Water Quality Protection	Cherry Creek Reservoir	water quality management and projects within to promote water quality downstream of Cherry Creek Reservoir	Completed			Aurora Water Resources	Z37			
218	CC-ZS-1	South Platte	McClellan Mine Remediation	Project	Clear Creek at Dumont	McClellan: remediation of orphan mine site on Clear Creek. Material removed, remainder capped. Raft launching site built.	Completed			Christine Crouse	Z44			

Table 13 South Platte Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
219	CC-ZS-2	South Platte	Little 6 #1	Project	Virginia Canyon upstream from confluence with Clear Creek	Offsite removal of mine waste and erosion control	Completed		Private grant from ASARCO	Christine Crouse	Z44			
220	CC-ZS-3	South Platte	Little 6 #2	Project	Virginia Canyon upstream from confluence with Clear Creek	Mine waste remediation, controlling run-off	Completed		EPA 319	Christine Crouse	Z44			
221	CC-ZS-4	South Platte	General Herkimer Mill Site	Project	Confluence of Clear Creek and Spring Gulch	Mine waste remediation, controlling run-off	Completed		Private grant from Coors Brewing Co.	Christine Crouse	Z44			
222	CC-ZS-5	South Platte	Dibbins Mill and Sydney Tunnels Remediation	Project	Leavenworth Creek	Mine waste remediation, controlling run-off	Completed		USFS grant	Christine Crouse	Z44			
223	CC-ZS-6	South Platte	Lombard Mine Cleanup and Mill Site Removal	Project	Cumberland Gulch, upstream of confluence with Fall River	Reshaping two mine dumps and burying wood waste from mill building	Completed		USFS grant	Christine Crouse	Z44			
224	CC-ZS-7	South Platte	Silver Age/Ship Ahoy	Project	Gilson Gulch	Clean water diversion project to prevent contamination of the headwaters from 40,000 cubic yard Silver Age mine waste pile	Ongoing		319	Christine Crouse	Z44			
225	CC-ZS-8	South Platte	Gilson Gulch	Project	Gilson Gulch	An erosion and sediment control project designed to protect Clear Creek from metals and acidity associated with mine waste in the upper portions of the watershed	Ongoing		319	Christine Crouse	Z44			
226	CC-ZS-9	South Platte	Silver Cycle	Project	Gilson Gulch	A mine waste consolidation and reclamation project designed to remove mine waste and stabilize the channel of Gilson Gulch	Ongoing		319	Christine Crouse	Z44			

Table 13 South Platte Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
227	CC-ZS-10	South Platte	Mine Drainage Treatment Demonstration Project	Project	Gilson Gulch	A planned project to treat the base flow of Gilson Gulch using state-of-the-art passive mine drainage treatment techniques	Planned		319 & Office of Solid Waste and Emergency Response	Christine Crouse	Z44			
228	CC-ZS-11	South Platte	Lower Trail Creek Remediation	Project	Lower Trail Creek near confluence with Clear Creek	Abandoned mine remediation to project watershed	Ongoing		EPA	Christine Crouse	Z44			
229	CC-ZS-12	South Platte	Upper Trail Creek Remediation	Project	Upper Trail Creek	Mine remediation to prevent acid mine drainage	Completed		319 and mineral severance tax	Christine Crouse	Z44			
230	CC-ZS-13	South Platte	Doctor Mine Remediation	Project	West Fork Clear Creek	Habitat improvement for greenback, mine remediation, maintenance of chemical barrier protecting greenbacks from Brook Trout	Completed		USFS plus private funding	Christine Crouse	Z44			
231	CC-ZS-14	South Platte	West Gold Remediation	Project	Chicago Creek, upstream of confluence with Clear Creek	Built water diversion to separate drainage from mine tailings to protect water quality in Chicago Creek	Completed		USFS	Christine Crouse	Z44			
232	CC-ZS-15	South Platte	Minnesota Mine Remediation	Project	Lion Creek, above confluence with West Fork Clear Creek	Spring seeping contaminated water from underground collapsed mine, plan to use passive remediation using an alkaline barrier to neutralize iron, zinc, and aluminum flowing out of spring	Planned			Christine Crouse	Z44			
233	CC-ZS-16	South Platte	Aorta Mine Remediation	Project	North Empire Creek	Seeping mine was draining into North Empire Creek, now goes into pipe under a landfill. Project will make improvements to inlet of that pipe	Planned			Christine Crouse	Z44			
234	CC-ZS-17	South Platte	Courtney-Ryley-Cooper	Project	Clear Creek	Rafting and fishing spot, habitat improvement and disabled access	Completed		Fishing is Fun	Christine Crouse	Z44			

Table 13 South Platte Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
235	CC-ZS-18	South Platte	Grizzly Gulch Habitat Improvement	Project	Grizzly Gulch	Habitat improvement for greenback, mine remediation, maintenance of chemical barrier protecting greenbacks from Brook Trout	Completed			Christine Crouse	Z44			
268	SP-ZS-32	South Platte	Investigating operations change	Flow Protection	Cache La Poudre	Planning effort, looking at different operation efforts to leave more water in the river; next to new GOCO-funded path	Planned			Amy Beatie	Z22			
282	SP 15	South Platte	Minimum flow releases from Olympus Dam - BOR and NCWCD	Flow Protection	Big Thompson River from Estes Park to Dillon Tunnel	Flows are specified by season and are defined as the lesser of the specified flow or the inflow into Lake Estes	Ongoing	No		Larry Howard	A9	?		
283	SP 15	South Platte	Minimum release from Idylwyde Dam of 7.0 cfs	Flow Protection	Idylwyde Dam - City of Loveland USFS easement		Ongoing			Larry Howard - Larimer County Municipalities	A9	?		
284	SP 11	South Platte	Fish passage on diversion structures	Project	South Boulder Creek from Gross Reservoir to Mouth		Completed	Yes	CWCB	David Nickum - Colorado Trout Unlimited	A14	No		
285	SP 11	South Platte	Potential Environmental Pool	Flow Protection	Gross Reservoir		Planned			David Nickum - Colorado Trout Unlimited	A14			
286	SP 9	South Platte	Buffalo Peak Ranch fishery restoration - channel modification to provide better habitat restoration for brown trout	Project	Middle Fork at Buffalo Peaks SWA		Completed			David Nickum and Ecological Resource Consultants	A14			
287	SP 6	South Platte	Golden Mile habitat improvement for fisheries - focused on brown trout mainly	Project	Clear Creek - Golden - just above RICD		Completed			David Nickum	A14			



**Table 13 South Platte Basin NCNA Projects and Methods**

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288	SP 6	South Platte	Improve fish habitat and recreational opportunities	Project	Jefferson County - one mile of stream along Hghwy 6		Planned			David Nickum and Jefferson County Open Space	A14			
289	SP 13, 21	South Platte	Halligan-Seaman Shared Vision Planning	Project / flow Protection	North Fork of the Poudre		Ongoing			City of Greeley, City of Ft. Collins	A16, A17			
290	SP 4	South Platte	Chatfield Reallocation	Project / flow Protection	South Platte through Metro Area		Completedd ??			CWCB	A18			
291	SP 4	South Platte	Metro Area River Restoration Proposals	Project	South Platte through Metro Area		Planned?			David Nickum lists Denver Trout Unlimited - Todd Fehr	A14			
309	SP01	South Platte	Land conservation	Project		DU holds many easements on the river	Ongoing		CWCB					
310	SP01	South Platte	Land conservation	Project		Plan to protect additional 27,000 acres, which would include the water rights	Planned							
311	SP01	South Platte	Seasonal wetland habitat restoration	Project		Needs programs to control noxious weeds, lower priority than main stem.	Ongoing							
312	SP04, SP05	South Platte	Riparian habitat improvement education and outreach	Project			Ongoing							
313	SP15, SP07, SP08	South Platte	South Platte Protection Plan	Information		Implemented in 1997 to protect values in lieu of USFS making a W&S determination.	Completed			Becky Long, South Platte Enhancement Board, David Nickum	A34, A14			
335	SP-ZS-61	South Platte	Tarryall Reservoir Enlargement	Project		Presented in concept	Proposed			CDOW	Z13			
336	SP-ZS-62	South Platte	Montgomery Reservoir Enlargement	Project		Presented in concept	Proposed			CDOW	Z13			
337	SP-ZS	South Platte	Tamarack Project	Project			Ongoing			CDOW	Z13			
154	USFS-ZS-1	South Platte	South Fork of Cache La Poudre River Fish Structures	Project	South Fork of Cache La Poudre River	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			

**Table 13 South Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
155	USFS-ZS-2	South Platte	Little Beaver Creek Fish Structures	Project	Little Beaver Creek (Between Comanche Peak Wilderness and Confluence of the South Fork of the Cache La Poudre River)	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
156	USFS-ZS-3	South Platte	Corral Creek fish Structures	Project	Corral Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
157	USFS-ZS-4	South Platte	Deadman Creek Instream Fish Habitat	Project	Deadman Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
158	USFS-ZS-5	South Platte	Pennock Creek Instream Fish Habitat	Project	Pennock Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
160	USFS-ZS-7	South Platte	Jimmy Creek Wetland Livestock Fencing Project	Project	Jimmy Creek Wetland	Livestock Fencing to promote wetland recovery	Completed			Carl Chambers	Z33			
161	USFS-ZS-8	South Platte	Jimmy Creek Spring Livestock Fencing Project	Project	Jimmy Creek Spring	Livestock Fencing to promote wetland recovery	Completed			Carl Chambers	Z33			
162	USFS-ZS-9	South Platte	Bull Pond Livestock Fencing Project	Project	Bull Pond	Livestock Fencing to promote wetland recovery	Completed			Carl Chambers	Z33			
163	USFS-ZS-10	South Platte	North Lone Pine Creek Fencing Project	Project	North Lone Pine Creek	Livestock Fencing to promote wetland recovery	Completed			Carl Chambers	Z33			
164	USFS-ZS-11	South Platte	Elkhorn Creek Instream Fish Habitat	Project	Elkhorn Creek	Instream Fish Habitat Structures and Bank Stabilization	Completed			Carl Chambers	Z33			
169	USFS-ZS-16	South Platte	Como Creek Fishery Habitat Structures	Project	Como Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
175	USFS-ZS-21	South Platte	Grizzly Gulch Riparian Restoration	Project	Grizzly Gulch	Stream Stabilization and Riparian Restoration	Completed			Carl Chambers	Z33			
176	USFS-ZS-22	South Platte	Bard Creek Instream Habitat Structures	Project	Bard Creek	Instream Fish Habitat Structures	Completed			Carl Chambers	Z33			
177	USFS-ZS-23	South Platte	Little James Creek Bank Stabilization	Project	Little James Creek	Bank Stabilization and Mine Tailings cleanup	Completed			Carl Chambers	Z33			
186	USFS-ZS-32	South Platte	Creedmore Lakes Livestock Fencing Project	Project	Creedmore Lakes	Livestock Fencing to promote wetland recovery	Completed			Carl Chambers	Z33			

**Table 13 South Platte Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
263	USFS-CL-1	South Platte	Barrier Construction	Project	Black Hollow Creek	Barrier construction for Greenbacks	Completed			Kelly Larkin	Z50			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
37	SW-ZS-C	Southwest	San Miguel Highway Embankment Project	Water Quality Protection	San Miguel, just downstream of Leopard Creek	8 embankment structures preventing erosion from Highway	Completed			Becky Pierce	Z15			
99	SW-ZS-B	Southwest	Mancos River Instream Flow	Information	Mancos River (Near Mancos)	Working with Mancos Conservation District for new Instream Flow Appropriations and for opportunities for acquisition. Also Conducting basin wide assessment	Planned			Amy Beatie	Z22			
100	SW-ZS-A	Southwest	CCC Ditch headgate reconstruction	Project	San Miguel River (Above Naturita at CCC Ditch Headgate)	CCC Ditch headgate reconstruction	Planned	Sought	Colorado Water Conservation Board and others	Amy Beatie	Z22			
330	SW-ZS-C	Southwest	SWSI Dolores River Below McPhee	Information		In talks	Ongoing			CDOW	Z13			
331	SW-ZS-D	Southwest	SWSI Long Hollow/La Plata Mitigation Flows	Flow Protection		Discussions ongoing	Ongoing			CDOW	Z13			
332	SW-ZS-E	Southwest	SWSI Woods Lake Cutthroat Refugio	Project		Engineering design in place to address spillway/outlet isolation; design underway for instream improvements above Woods Lake to ensure isolation	Completed			CDOW	Z13			
333	SW-ZS	Southwest	SWSI Aquatic Wildlife Management Plan - Dolores	Report		Expected Completion 2006	Completed			CDOW	Z13			
334	SW-ZS	Southwest	SWSI Aquatic Wildlife Management Plan - San Juan	Report		Expected Completion 2004	Completed			CDOW	Z13			
349	SW-ZS-F	Southwest	Carbon Lakes Ditch Removal	Project/Flow Protection			Completed		CWCB	Animas River Stakeholder Group		Yes	ISF to CWCB	
397	?	Southwest	Conservation Easement of former Piamo Creek ski resort	Flow Protection	East Fork and West Fork of the San Juan River	potential Wild and Scenic Classification (see Hermose)	Completed					no		

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
398	?	Southwest	Rivers Protection Group (similar to Hermose Effort)	Information	East Fork and West Fork of the San Juan River	potential Wild and Scenic Classification (see Hermose)	Planned					no		
399	SW06; SW08	Southwest	Current CWCB ISF study	Information	main stem of the San Miguel	Weak local support for ISF conceptually or applied to river	Ongoing			CWCB	A18			
400	SW06; SW08	Southwest	Watershed Plan	Information	main stem of the San Miguel		Ongoing			San Miguel Watershed Coalition	A6			
401	SW06; SW08	Southwest	Riparian Conservation efforts	Information	main stem of the San Miguel		Ongoing			TNC				
402	SW06; SW08	Southwest	Current Wild and Scenic Rivers study (Uncompahgre Field Office)	Information	main stem of the San Miguel		Ongoing			Uncompahgre Field Office				
403	SW06; SW08	Southwest	Whitewater Park on San Miguel	Project	main stem of the San Miguel		Planned							
404	SW06; SW08	Southwest	Reconstruction for boat and fish passage at CC Ditch	Project	main stem of the San Miguel		Planned							
405	SW05; SW09	Southwest	Joint (BLM & USFS) Federal Research Management plans including Wild and Scenic rivers study, wilderness study and spill management	Information	Main Stem of the Dolores River from McPhee Reservoir to Confluence with the San Miguel and to stateline		Ongoing			Peter Mueller; AW; BLM	A50	none		
406	SW05; SW09	Southwest	Recreational flow needs assessment for main stem of Dolores to state line -- American Whitewater	Information	Main Stem of the Dolores River from McPhee Reservoir to Confluence with the San Miguel and to stateline	better spill management from McPhee Reservoir to meet Project requirements and recreational spills	Planned					none		
407	SW07	Southwest	Proposed CWCB instream filing on San Miguel (also meets criteria under BLM Wild and Scenic Rivers)	Information	San Miguel: Nucla to Calamity Draw		Ongoing					none		

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
408	SW01-SW05	Southwest	BLM Suitability Study (slated for June 2011). BLM RMP also covering ACEC's	Information	?		Ongoing			BLM	A21	none		
507	SW-AB1	Southwest	San Juan Watershed Woody Invasives Initiative Strategic Plan	Information	San Juan River basin		Completed			Catherine Ortega	A46			
508	SW-AB1	Southwest	San Juan Watershed Woody Invasives Initiative Implementation Plan	Information	San Juan River basin		Completed			Catherine Ortega	A46			
509	SW-AB1	Southwest	PAWSD Source Water Protection Plan	Information	San Juan River basin		Completed			Pagosa Area Water and Sanitation District - Gene Tautges	A47			
510	SW-AB2	Southwest	Stocking native suckers	Project	Mancos River from Ute Mountain Ute Reservation Northern Boundary to Stateline		Completed			Scott Klow				
511	SW-AB3	Southwest	Stocking native suckers	Project	Mineral Creek		Completed			Bill Simon	A49			
512	SW-AB4	Southwest	Proposed mining cleanup and restoration project	Project	Animas River between Silverton and Eureka		Proposed			Bill Simon	A49			
513	SW-AB5	Southwest	Tamarisk Removal	Project	San Miguel - Telluride to confluence with Dolores		Completed			Peter Mueller	A50			
514	SW-AB5	Southwest	ISF application	Flow Protection	San Miguel - Telluride to confluence with Dolores		Proposed			Peter Mueller	A50			
515	SW-AB6	Southwest	Non-native removal and stocking of native fish	Project	Fall Creek - Woods Lake		Ongoing			April Montgomery	A51			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
516	SW-AB7	Southwest	Animas River Fish Passage and Canal Entrainment Evaluation and Recommendations	Information	Animas River between Ridges Basin Dam and stateline		Completed			Bureau of Reclamation - Durango Office	A67			
517	SW-AB8	Southwest	Planned Animas Watershed Plan for entire river - Colorado and New Mexico	Information	Animas River		Planned			Chuck Wanner	A54			
518	SW-AB9	Southwest	Bank Stabilization and fish habitat improvement	Project	Animas River - Basin Creek - T34N, R10W, Sec. 13		Completed			Steve Whiteman - Southern Ute Tribe				
519	SW-AB10	Southwest	Bank Stabilization and fish habitat improvement	Project	Animas River - T33N, R10W, Sec. 13		Completed			Steve Whiteman - Southern Ute Tribe	A55			
520	SW-AB11	Southwest	Bank Stabilization and water quality improvement	Project	Dry Creek - T33N, R7W, Sec. 33		Completed			Steve Whiteman - Southern Ute Tribe	A55			
521	SW-AB12	Southwest	Hermosa Creek Workgroup Final Report	Information	Hermosa Creek		Completed			Chuck Wanner	A54			
522	SW-AB12	Southwest	Suitability for Wild and Scenic	Flow Protection	Hermosa Creek		Ongoing			Chuck Wanner	A54			
523	SW-AB12	Southwest	Possible wilderness designation	Flow Protection	Hermosa Creek		Proposed			Chuck Wanner	A54			
524	SW-AB13	Southwest	Bank Stabilization and fish habitat improvement	Project	Piedra River		Completed			Steve Whiteman - Southern Ute Tribe	A55			
525	SW-AB13	Southwest	Fish habitat improvements	Project	Piedra River		Completed			Kelly Palmer - San Juan Public Lands Office	A52			
526	SW-AB13	Southwest	Suitability for Wild and Scenic	Flow Protection	Piedra River		Ongoing			Kelly Palmer - San Juan Public Lands Office	A52			
527	SW-AB14	Southwest	Bank Stabilization and fish habitat improvement	Project	Piedra River - T33N, R2W, Sec. 2		Completed			Steve Whiteman - Southern Ute Tribe	A55			
528	SW-AB14	Southwest	Stabilization of stream bank and adjacent irrigation ditch	Project	Piedra River - T33N, R2W, Sec. 2		Completed			Steve Whiteman - Southern Ute Tribe	A55			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
529	SW-AB15	Southwest	Fish habitat improvement	Project	Pine River		Completed			Steve Whiteman - Southern Ute Tribe	A55			
530	SW-AB15	Southwest	Bank stabilization and soil retention	Project	Pine River		Completed			Kelly Palmer - San Juan Public Lands Office	A52			
531	SW-AB15	Southwest	Suitability for Wild and Scenic	Flow Protection	Pine River		Ongoing			Kelly Palmer - San Juan Public Lands Office	A52			
532	SW-AB16	Southwest	Bank Stabilization and water quality improvement	Project	Rock Creek		Completed			Steve Whiteman - Southern Ute Tribe	A55			
533	SW-AB16	Southwest	Tamarisk restoration work	Project	Rock Creek		Ongoing			Kelly Palmer - San Juan Public Lands Office	A52			
534	SW-AB17	Southwest	Bank Stabilization and riparian restoration	Project	Stollsteimer Creek		Completed			Steve Whiteman - Southern Ute Tribe	A55			
535	SW-AB17	Southwest	PAWSD Source Water Protection Plan	Information	Stollsteimer Creek		Completed			Pagosa Area Water and Sanitation District - Gene Tautges	A47			
536	SW-AB17	Southwest	5500 foot stream restoration project	Project	Stollsteimer Creek		Completed			Catherine Ortega	A46			
537	SW-AB17	Southwest	1.8 mile long bank stabilization and riparian restoration project	Project	Stollsteimer Creek		Completed			Catherine Ortega	A46			
538	SW-AB18	Southwest	Bank Stabilization and wetland creation	Project	Beaver Creek, T34N, R7W, Secs. 14, 34, 23		Completed			Steve Whiteman - Southern Ute Tribe	A55			
539	SW-AB19	Southwest	Animas - La Plata Project Vegetation and Wildlife Mitigation Final Report	Information	La Plata River between Red Mesa and junction with Hwy 40		Completed			Bureau of Reclamation - Durango Office	A67			



**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
540	SW-AB19	Southwest	Animas-La Plata Project wetland and riparian restoration - weed control, grazing exclusion, channel and floodplain restoration, re-seeding and re-planting with desirable species	Project	La Plata River between Red Mesa and junction with Hwy 40		Completed			Bureau of Reclamation - Durango Office	A67			
541	SW-AB20	Southwest	James Ranch Animas River Bank Stabilization Project	Project	Animas River - south of Stevens Creek but north of Falls Creek		Completed			Catherine Ortega	A46			
542	SW-AB21	Southwest	Proposed RICD or similar concept	Flow Protection	San Miguel - Bilk Creek to Confluence with Dolores		Proposed			San Miguel Whitewater Association	A6			
543	SW-AB22	Southwest	Ames Hydroelectric Project Final Environmental Assessment	Information	Lake Fork of San Miguel to South Fork to Mainstem of San Miguel		Completed			Jeff Litteral - BLM Montrose office	A57			
544	SW-AB23	Southwest	Fish habitat improvement	Project	Priest Lake		Ongoing			April Montgomery	A51			
545	SW-AB24	Southwest	319 Watershed study to identify sources of non-point pollution and develop watershed plan	Information	Lower Dolores - McPhee Reservoir to UT stateline		Ongoing			Chuck Wanner	A54			
546	SW-AB24	Southwest	Proposed National Conservation Area legislation to protect ORVs designated as preliminarily suitable	Flow Protection	Lower Dolores - McPhee Reservoir to UT stateline		Ongoing			Peter Mueller	A50			
547	SW-AB24	Southwest	Dolores River Dialogue Correlation Report	Information	Lower Dolores - McPhee Reservoir to UT stateline		Completed			Peter Mueller	A50			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
548	SW-AB24	Southwest	Proposed Lease of MVIC water for instream flow/fish pool purposes	Flow Protection	Lower Dolores - McPhee Reservoir to UT stateline		Proposed			MVIC - Jim Siscoe	A58			
549	SW-AB24	Southwest	Dolores River Restoration project -tamarisk removal and restoration	Project	Lower Dolores - McPhee Reservoir to UT stateline		Ongoing			Peter Mueller	A50			
550	SW-AB25	Southwest	San Miguel River Restoration Assessment	Information	San Miguel River Watershed		Completed			Pat Willits - Trust for Land Restoration	A59			
551	SW-AB26	Southwest	Ongoing mine tailing cleanup in three locations	Project	Howard Fork		Ongoing			Pat Willits - Trust for Land Restoration	A59			
552	SW-AB26	Southwest	Ongoing study of environmental impacts of mine tailings	Information	Howard Fork		Ongoing			Pat Willits - Trust for Land Restoration	A59			
553	SW-AB27	Southwest	Mancos Valley Salinity Control Project Plan and Environmental Assessment	Information	Mancos River from Ute Mountain Ute Reservation Northern Boundary to Stateline		Completed			NRCS and Mancos Conservation District	A60			
554	SW-AB28	Southwest	Tamarisk Removal	Project	Disappointment Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
555	SW-AB28	Southwest	Suitability for Wild and Scenic	Flow Protection	Disappointment Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
556	SW-AB29	Southwest	Tamarisk Removal	Project	Spring Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
557	SW-AB30	Southwest	Suitability for Wild and Scenic	Flow Protection	Coyote Wash		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
558	SW-AB30	Southwest	Measuring instream flows to apply for CWCB ISF	Flow Protection	Coyote Wash		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
559	SW-AB31	Southwest	Suitability for Wild and Scenic	Flow Protection	Summit Canyon		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
560	SW-AB32	Southwest	Rehabilitation work to improve water quality	Water quality protection	Big Gypsum		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
561	SW-AB33	Southwest	Monitoring Greenback Cutthroat Trout population	Information	Taylor Creek - S Fork (Little Taylor Creek)		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
562	SW-AB34	Southwest	Barrier work done to isolate Greenback Cutthroat Trout from Rainbow population	Project	Rio Lado Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
563	SW-AB35	Southwest	Habitat work in upper reaches	Project	Bear Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
564	SW-AB35	Southwest	Wilderness Study work ongoing	Information	Bear Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
565	SW-AB36	Southwest	Habitat work to create pools for over-wintering	Project	Fish Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
566	SW-AB37	Southwest	Habitat work to create pools for over-wintering	Project	Barlow Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
567	SW-AB38	Southwest	National Monument Designation	Flow Protection	Cross Canyon		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
568	SW-AB39	Southwest	National Monument Designation	Flow Protection	Sandstone Canyon		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
569	SW-AB39	Southwest	Tamarisk restoration work	Project	Sandstone Canyon		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
570	SW-AB40	Southwest	National Monument Designation	Flow Protection	Yellow Jacket Canyon		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
571	SW-AB40	Southwest	Tamarisk restoration work	Project	Yellow Jacket Canyon		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
572	SW-AB41	Southwest	Tamarisk restoration work	Project	McElmo Creek - various parcels west of Cortez		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
573	SW-AB42	Southwest	Introduced Colorado Cutthroat Trout and installed barriers	Project	Deep Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
574	SW-AB43	Southwest	Installing barriers, conducting non-native removal and stocking Colorado Cutthroat Trout	Project	Hermosa Creek headwaters, E Fork and Relay and Sig Creeks		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
575	SW-AB43	Southwest	Removed cattle grazing for riparian restoration	Project	Hermosa Creek headwaters, E Fork and Relay and Sig Creeks		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
576	SW-AB43	Southwest	instream flow data collection occurring	Information	Hermosa Creek headwaters, E Fork and Relay and Sig Creeks		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
577	SW-AB44	Southwest	Introduced Colorado Cutthroat Trout	Project	Deer Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
578	SW-AB45	Southwest	Fish habitat improvement	Project	Cunningham Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
579	SW-AB46	Southwest	Stream condition improvements - relocated hiking and cattle trails out of stream	Project	Elbert Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
580	SW-AB47	Southwest	Fish habitat improvement	Project	Lime Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
581	SW-AB48	Southwest	Mitigation for Lower Dolores by Xcel - mandatory non-CWCB instream flow	Flow Protection	Cascade Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
582	SW-AB49	Southwest	Burn rehabilitation work	Project	Stevens Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
583	SW-AB50	Southwest	Burn rehabilitation work	Project	Red Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
584	SW-AB51	Southwest	Burn rehabilitation work	Project	Coon Creek		Completed			Kelly Palmer - Dolores Public Lands Office	A52			
585	SW-AB52	Southwest	Pipeline diversion structure with non-CWCB ISF requirement under special use permit	Flow Protection	Fourmile Creek		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
586	SW-AB53	Southwest	Studying ISF donation downstream of Big Branch confluence	Information	Rio Blanco		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			

**Table 14 Southwest Basin NCNA Projects and Methods**

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
587	SW-AB54	Southwest	Suitability for Wild and Scenic	Flow Protection	San Juan River - W Fork		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
588	SW-AB55	Southwest	Suitability for Wild and Scenic	Flow Protection	San Juan River - E Fork		Ongoing			Kelly Palmer - Dolores Public Lands Office	A52			
589	SW-AB56	Southwest	Planned valley floor restoration effort	Project	San Miguel - Telluride Valley Floor		Planned			Clay Speas - GMUG National Forest - USFS	A61			
590	SW-AB57	Southwest	Planned report to CWCB on Red Canyon flow protection	Information	Horsefly Creek		Planned			Clay Speas - GMUG National Forest - USFS	A61			
591	SW-AB58	Southwest	Special management designation - similar to wilderness	Flow Protection	Tabeguache Creek		Ongoing			Clay Speas - GMUG National Forest - USFS	A61			
673	SW-AB45	Southwest	Stream and water quality restoration	Project	Cunningham Creek		Ongoing			Roy Smith	A75			

Table 15 Yampa-White Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
193	YW-ZS	Yampa-White	Recommended Minimum flows on the Yampa River #1	Information	Yampa River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/ModdeMillerAnderson1999.pdf">http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/ModdeMillerAnderson1999.pdf</a>	Completed			Jana Mohrman	Z35			
194	YW-ZS	Yampa-White	Recommended Minimum flows on the Yampa River #2	Information	Yampa River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/ModdeSmit1995.pdf">http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/ModdeSmit1995.pdf</a>	Completed			Jana Mohrman	Z35			
195	YW-ZS	Yampa-White	Recommended Minimum flows on the Yampa River #3	Information	Yampa River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/TyusKarp1988.pdf">http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/TyusKarp1988.pdf</a>	Completed			Jana Mohrman	Z35			
196	YW-ZS	Yampa-White	Recommended Minimum flows on the Yampa River #4	Information	Yampa River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/USFWS1990.pdf">http://coloradoriverrecovey.org/documents-publications/technical-reports/isf/USFWS1990.pdf</a>	Completed			Jana Mohrman	Z35			

Table 15 Yampa-White Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
197	YW-ZS	Yampa-White	Recommended Minimum flows on the White River	Information	White River	Recommended Minimum Flows. Available at: <a href="http://coloradoriverrecovery.org/documents-publications/technical-reports/isf/WhiteRiverFlow2004.pdf">http://coloradoriverrecovery.org/documents-publications/technical-reports/isf/WhiteRiverFlow2004.pdf</a> Appendices Available at: <a href="http://coloradoriverrecovery.org/documents-publications/technical-reports/isf/WhiteRiverAppendices.pdf">http://coloradoriverrecovery.org/documents-publications/technical-reports/isf/WhiteRiverAppendices.pdf</a>	Completed			Jana Mohrman	Z35			
324	YW-ZS	Yampa-White	SWSI CO River listed T&E species Recovery Program	Information		PBO process w/ US FWS and partners nearing completion	Ongoing			CDOW	Z13			
325	YW-ZS-1	Yampa-White	SWSI White River/Lake Avery	Flow Protection		Successful verbal agreements to maintain instream releases were reached during 2002	Completed			CDOW	Z13			
326	YW-ZS-2	Yampa-White	SWSI Chuck Lewis SWA Instream Habitat Improvement	Project/Flow Protection		Preliminary design nearing completion	Ongoing			CDOW	Z13			
327	YW-ZS-4	Yampa-White	SWSI Yampa River SWA stream gauging station	Flow Protection		Construction 2004	Completed			CDOW	Z13			
328	YW-ZS-3	Yampa-White	SWSI Yampa River Flow Enhancement	Flow Protection		Successful re-operation in 2002 allowed flow increases through upper reach that minimized effects of high water temperatures	Completed			CDOW	Z13			
329	YW-ZS	Yampa-White	SWSI Aquatic Wildlife Management Plan - Yampa	Information		Completed	Completed			CDOW	Z13			
346	YW-ZS-5	Yampa-White	Enlarge Elkhead Reservoir	Project/Flow Protection					CWCB	Taylor Hawes	A8	Yes	Capacity increased by 11,000 AF	

Table 15 Yampa-White Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
372	YW	Yampa-White	Water quality study on the upper Yampa by the USGS	Project	Upper Yampa		Ongoing		USGS					
373	YW?	Yampa-White	Feasibility study for a reservoir at the Morrison Creek/Silver Creek confluence	Project	Morrison Creek/Silver Creek Confluence		Ongoing							
374	YW08	Yampa-White	WFET-NCNA Phase II	Project	White River from Meeker to Kinney Reservoir		Planned							
375	YW08	Yampa-White	Tamarask control and eradication planning effort	Project	White River from Meeker to Kinney Reservoir		Planned			Tim Carlson	A62			
376	YW05	Yampa-White	water diversion (with Landowner) to prevent 1.5 mile of West Prong from drying up	Project	South Fork of Slater Creek and West Prong Slater Creek		Planned							
377	YW05	Yampa-White	Modification of diversion structure to allow passage	Project	South Fork of Slater Creek and West Prong Slater Creek		Planned							
378	YW02	Yampa-White	Habitat Restoration Project	Project	South Fork of the Little Snake River	improving habitat on 7 miles of habitat that insures connectivity between 3 isolated Colorado River Cutthroat Trout	Ongoing							
379	YW06	Yampa-White	Develop RFP for stream habitat restoration conceptual plan	Project	Elkhead Creek		Ongoing							
380	YW06	Yampa-White	Implement habitat restoration project identified in conceptual plan	Project	Elkhead Creek		Planned							
381	YW01	Yampa-White	BLM waiting for finalized suitability study on 5 reaches covered within Segment YW01 map	Project	Yampa River main stream reaches	oil and gas pressures and water proposals could have considerable impacts	Ongoing				A61			



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Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
382	YW01	Yampa-White	BLM may make suitability determination	Information	Yampa River main stream reaches	oil and gas pressures and water proposals could have considerable impacts	Planned				A61			
383	YW07	Yampa-White	WFET Phase II NCNA	Project	White River from headwaters of the North Fork and South Fork to Meeker		Planned							
384	YW07	Yampa-White	Potential fish studies	Information	White River from headwaters of the North Fork and South Fork to Meeker		Planned			Boyd Wright: CDOW White River	A23			
385	YW01	Yampa-White	Watershed Planning effort through Morgan Bottom Reach for riparian restoration and irrigation improvements	Information	Yampa River From Craig (HWY 394) to confluence with the Green River		Planned							
386	Yw01	Yampa-White	WFET quantification	Information	Yampa River From Craig (HWY 394) to confluence with the Green River		Planned							
387	YW01	Yampa-White	Wild & Scenic potential for 3 segments	Information	Yampa River From Craig (HWY 394) to confluence with the Green River		Planned							
592	YW-AB1	Yampa-White	Greater White Yampa Watershed Partnership - comprehensive plan for tamarisk/russian olive removal and riparian restoration	Information	Yampa and White Basins		Ongoing			Tim Carlson - Tamarisk Coalition	A62			

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593	YW-AB2	Yampa-White	Flow Recommendations for Endangered Fishes in the Yampa River - Final Report (Modde & Smith 1995)	Information	Yampa River Basin		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
594	YW-AB2	Yampa-White	Final Programmatic Biological Opinion on the Management Plan for Endangered Fishes in the Yampa River Basin (USFWS 2005)	Flow Protection	Yampa River Basin		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
595	YW-AB2	Yampa-White	Management Plan for Endangered Fishes in the Yampa River Basin Environmental Assessment (USFWS 2004)	Information	Yampa River Basin		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
596	YW-AB2	Yampa-White	Determination of habitat availability, habitat use and flow needs of endangered fishes in the Yampa River between August and October - Final Report (Modde, Miller & Anderson 1999)	Information	Yampa River Basin		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
597	YW-AB2	Yampa-White	Culvert Assessment at Road/Stream Crossings for Medicine Bow and Routt National Forests and Thunder Basin National Grassland (USFS 2010)	Information	Yampa River Basin		Completed			Rick Henderson - Medicine Bow Routt National Forest USFS	A64			

Table 15 Yampa-White Basin NCNA Projects and Methods

Project ID	Segment(s)	Basin	Project or Method Name	Project or Method Type	Project or Method Location	Comments	Project or Method Status	Sought or received funding	Source of funding	Contact Name(s)	Contact ID(s)	Contains quantification	Quantification context	Quantification target
598	YW-AB2	Yampa-White	Planned studies on 1) environmental flows and 2) climate change, Colo CTT, and water temperature	Information	Yampa River Basin		Planned			Rick Henderson - Medicine Bow Routt National Forest USFS	A64			
599	YW-AB3	Yampa-White	The White River and Endangered Fish Recovery: a hydrological, physical and biological synopsis - Final Report (State of Utah DNR - 2000)	Information	White River Basin		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
600	YW-AB3	Yampa-White	White River Base Flow Study for Endangered Fishes, Colorado and Utah, 1995-1996 (USFWS - 2004)	Information	White River Basin		Completed			Upper Colorado Endangered Fish Recovery Program	A63			
601	YW-AB3	Yampa-White	White River Programmatic Biological Opinino	Information	White River Basin		Planned			Upper Colorado Endangered Fish Recovery Program	A63			
602	YW-AB4	Yampa-White	Sand Wash Basin Coalbed Methane Production Depletive Effects on Water Resources Study	Information	Yampa River - Sand Wash Basin		Planned			Geoff Blakeslee	A65			
603	YW-AB5	Yampa-White	Common Data Repository and Water Resource Assessment for the Upper Yampa River Basin	Information	Upper Yampa River Basin - Headwaters to Elkhead Creek Confluence		Planned			Geoff Blakeslee	A65			

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604	YW-AB6	Yampa-White	Fish barrier installed and chemical treatment of non-natives - Colorado Cutthroat Trout restoration project	Project	Willow Creek		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
605	YW-AB7	Yampa-White	Five culverts installed for fish passage	Project	Slater Creek - S Fork		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
606	YW-AB8	Yampa-White	Cutthroat trout restoration and stream health rehabilitation project - modification of diversion structure	Project	Slater Creek - S Fork and W Prong		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
607	YW-AB9	Yampa-White	Native species aquatic passage project - replacing culverts	Project	Elkhead Creek - Tributaries - First, Armstrong and Torso Creeks		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
608	YW-AB9	Yampa-White	Boreal Toad breeding site - exclosure work at confluence of Elkhead and Torso	Project	Elkhead Creek - Tributaries - First, Armstrong and Torso Creeks		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
609	YW-AB10	Yampa-White	Barrier installed and chemical treatment for non-natives - CCTT restoration project	Project	Circle Creek		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
610	YW-AB11	Yampa-White	Cutthroat trout restoration - riparian fencing work	Project	Little Snake - S Fork		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
611	YW-AB12	Yampa-White	Culvert replacement for aquatic passage (Brook trout) and watershed issues	Project	Little Snake - Middle Fork - Silver City Creek		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			

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612	YW-AB13	Yampa-White	Culvert replacement for aquatic passage (Brook trout)	Project	King Solomon Creek		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
613	YW-AB14	Yampa-White	Culvert replacement for Colo CTT	Project	Coulton Creek		Completed			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
614	YW-AB15	Yampa-White	Culvert removals and road decommissioning for benefit of Colo CTT	Project	English Creek - Lost Dog Creek		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
615	YW-AB16	Yampa-White	Planned fish barrier construction for benefit of Colo CTT	Project	Sand Creek		Planned			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
616	YW-AB17	Yampa-White	Wilderness Designation	Flow Protection	Sarvis Creek and Silver Creek		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
617	YW-AB18	Yampa-White	Wilderness Designation	Flow Protection	Agnes, Mica, Trail and English Creeks		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
618	YW-AB19	Yampa-White	Wilderness Designation	Flow Protection	Bridge Creek and Baldy Creek		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
619	YW-AB20	Yampa-White	Wilderness Designation	Flow Protection	Tributaries to Stillwater Reservoir		Ongoing			Rick Henderson - Medicine Bow Routt National Forest - USFS	A64			
664	YW-AB21	Yampa-White	Lower White River Riparian Restoration	Project	Lower White River		Ongoing			Roy Smith	A75			
665	YW-AB22	Yampa-White	Stream and riparian rehabilitation project	Project	Douglas Creek		Ongoing			Roy Smith	A75			
666	YW-AB22	Yampa-White	Data Collection	Information	Douglas Creek	collecting data on creek and upper tribs for instream flow recommendations	Ongoing			Roy Smith	A75			