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February 22, 2010

Rio Grande Cutthroat Trout Conservation Team

Bruce Rosenlund, USFWS Region 6  
Susan Oetker, USFWS Region 2  
Amy Unthank, USFS Region 3  
Barry Wiley, USFS Region 2  
Melissa Garcia, BLM CO  
Greg Gustina, BLM NM  
Kevin Terry, JAN  
Mike Sloane, NMGF  
Tom Nesler, CDOW

Delivered Via Email

Dear Conservation Team,

Attached to this letter are tables summarizing 2009 range-wide activities for Rio Grande cutthroat trout (RGCT) in a report format agreed upon by the range-wide conservation team. Once again, our activities are divided into seven main categories identified in the range-wide agreement. Below is a brief summary of our activities for Rio Grande cutthroat trout in 2009.

**Population Inventory**

In 2009, 63 waters (94 individual surveys) were inventoried within the historic range of RGCT. The purpose of the inventories was to survey potentially occupied RGCT waters (2), monitor known populations (29), assess the genetic status of RGCT populations (13), assess potential and occupied habitat condition (11), and collect disease information (8).

## **Population Maintenance**

Eight waters were included in population maintenance activities. Such activities included planning and/or implementing the construction of non-native migration barriers and mechanical removal of non-native salmonids.

## **Population Expansion**

Seventy-five waters were included in the population expansion activities. Five waters had culverts modified to expand fish passage opportunities. Costilla Creek, 9 miles of habitat, was again stocked with RGCT. Comanche Creek, 20 miles of habitat, was stocked post-restoration. The Placer Creek system, 28 miles of habitat, was re-treated and is expected to be stocked in 2010. Santistevan Creek, 4 miles of habitat, and Casias Lakes (4) were treated. Five waters were stocked with RGCT to augment existing populations. Rio Grande cutthroat trout were stocked into 60 waters to provide recreational angling opportunities.

## **Protecting/Restoring Habitat**

Four waters were included in the habitat protection/restoration strategy. Activities include riparian fencing, pool construction, gate construction, and spillway modification to facilitate future Rio Grande cutthroat trout repatriation.

## **Education**

Seven events were attended by range-wide team members where they presented RGCT conservation topics.

## **Database Sharing**

The annual RGCT Range-wide database workshop was well attended including representatives from all signatory agencies and their respective sub-units (e.g. USFS from NM and CO).

## **Coordination**

The annual range-wide meeting was well attended by all signatory agencies. Other coordination efforts included RGCT working group meetings in NM and coordination between Colorado Division of Wildlife, the Forest Service and Bureau of Land Management regarding restoration potential in the La Garita drainage. In addition, the New Mexico Fish and Wildlife Conservation Office is actively coordinating a restoration project on Santa Clara Pueblo.

## **Miscellaneous**

Miscellaneous activities included continued broodstock development which produced over 500,000 genetically unaltered RGCT and receipt of additional funding to monitor changes in stream temperature resulting from climate change. An updated version of the range-wide agreement was

delivered to signatory representatives at our January 10, 2010 meeting in Taos, NM. Finally, the Mescalero Apache Nation is now a formal member of our cooperative group.

Thank you for your participation in developing this report. I look forward to continued participation in the comprehensive effort to ensure the long-term persistence of Rio Grande cutthroat trout in Colorado and New Mexico.

Sincerely,

Kirk A. Patten  
Fisheries Biologist

**RGCT Rangewide Report 2009 - Summary by Strategy, January 1 to December 31, 2009**

Strategy	Subhead	Title	Waters/Events	Total	Description
1	Survey	Population Inventory	2	2	Survey potential RGCT waters within historic range; maintain database
1	Monitor	Population Inventory	29	54	Monitor RGCT populations to detect changes; maintain database
1	Taxonomy	Population Inventory	13	13	Collect genetic information within historic range, maintain database
1	Habitat Inventory	Population Inventory	11	16	Collect habitat information within historic range; maintain database
1	Disease	Population Inventory	8	9	Conduct fish health surveys including WD
2	Identify	Population Maintenance	0	0	Identify Core Conservation and Conservation populations
2	Secure	Population Maintenance	8	8	Secure and enhance distribution and abundance of Core and Core Conservation populations
2	Metapopulation	Population Maintenance	0	0	Identify, maintain, and expand connectivity within metapopulations
3	Restore	Population Expansion	5	42	Increase RGCT populations by restoring RGCT habitat through chemical reclamation
3	Augment	Population Expansion	5	57000	Augment pure populations within historic range by stocking or transplanting RGCT
3	Connectivity	Population Expansion	5	7	Promote and restore connectivity of populations to enhance metapopulation function

**RGCT Rangewide Report 2009 - Summary by Strategy, January 1 to December 31, 2009**

Strategy	Subhead	Title	Waters/Events	Total	Description
3	Stock RGCT	Population Expansion	60	341676	Stock lakes and streams with RGCT for angler recreation (sum of lakes and streams stocked)
4	Improve	Protect sustaining habitat and restore degraded habitat	4	4	Inventory, maintain, protect, and improve existing habitat; improve fluvial/ hydrological processes
4	Unoccupied	Protect sustaining habitat and restore degraded habitat	0	0	Identify unoccupied habitat for restoration with RGCT
5	Education	Conservation Education and Interpretation	7	7	Subcommittee to develop education and interpretation program providing deliverables and a consistent message regarding RGCT conservation efforts
6	Database	Database Sharing	6	6	Summarize distribution, population genetics and habitat data; centralize data into a database; allow rangewide integrated data analysis, summaries, and comparisons
7	Coordinate	Planning/ Coordination	21	26	Share information; identify/ discuss/ solve common conservation problems; prioritize issues;
A*	Miscellaneous	Other Activities/ Actions	4	4	Accomplishments that are not listed in the other titles or strategies
B	Habitat	Private Land Protection or Restoration (stream miles)	2	3	Landowner/ private land habitat protection or restoration

**Rio Grande Cutthroat Trout Rangewide Report 2009 - Summary by Signatory Agency, January 1 to December 31, 2009**

Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
<b>NMGF</b>												
2009	Canadian	11080001cp003	Leandro Creek		11080001	Frey	NMGF	1	Monitor	Conducted 1 depletion estimate	1	193 fish/mile, brook trout present upstream of barrier
2009	Canadian	11080002cp001	McCrystal Creek		11080002	Frey	NMGF	1	Monitor	Conducted 2 depletion estimates	2	113 fish/mile, upper site with healthy population and only 1 adult fish found at middle site
2009	Lower Rio Grande	13020101cp003	Powderhouse Creek		13020101	Frey	NMGF	1	Monitor	Conducted 2 depletion estimates	2	266 fish/mile
2009	Canadian	11080002cp002	South Ponil Creek		11080002	Frey	NMGF	1	Monitor	Conducted 3 depletion estimates	3	139 fish/mile
2009	Lower Rio Grande	13020101cp027	Santa Barbara Middle Fork		13020101	Frey	NMGF	1	Monitor	Conducted 2 depletion estimates	2	137 fish/mile, brown trout present
2009	Lower Rio Grande	13020101cp028	Santa Barbara East Fork		13020101	Frey	NMGF	1	Monitor	Conducted 1 depletion estimate	1	97 fish/mile, brown trout present
2009	Lower Rio Grande	13020202cp001	Rio Cebolla		13020202	Castell	NMGF	1	Monitor	Conducted 3 depletion estimates	3	549 fish/mile, brown trout present
2009	Lower Rio Grande	13020201cp001	Capulin Creek		13020201	Patten	NMGF	1	Monitor	Conducted 2 depletion estimates	2	327 fish/mile
2009	Lower Rio Grande	13020102cp008	Canones Creek		13020102	Patten	NMGF	1	Monitor	Conducted 3 depletion estimates	3	617 fish/mile

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande	13020101cp026	Alamitos Creek		13020101	Patten	NMGF	1	Monitor	Conducted 3 depletion estimates	3	526 fish/mile
2009	Lower Rio Grande	13020101cp011	Columbine Creek		13020101	Patten	NMGF	1	Monitor	Conducted 3 depletion estimates	3	265 fish/mile
2009	Lower Rio Grande	13020102cp009	Polvadera Creek		13020102	Patten	NMGF	1	Monitor	Conducted 2 depletion estimates	2	314 fish/mile
2009	Lower Rio Grande	13020204cp003	Rio Puerco West		13020204	Patten	NMGF	1	Monitor	Conducted 2 depletion estimates	2	402 fish/mile
2009	Lower Rio Grande	13020102cp012	East Fork Wolf Creek		13020102	Patten	NMGF	1	Monitor	Conducted 1 depletion estimate	1	595 fish/mile
2009	Lower Rio Grande	13020101cp018	Tienditas Creek		13020101	Patten	NMGF	1	Monitor	Relative abundance surveys at 3 sites	3	Low density small population in EF Tienditas Creek
2009	Lower Rio Grande	13020101cp002	#1 Lake Vermejo Park Ranch		13020101	Patten	NMGF	1	Monitor	Set one monofilament exp. Gill net for 6 hours	1	Catch rate = 36 fish/net night, mean lt. = 342 mm, YOY observed in ditch
2009	Lower Rio Grande		McClure Reservoir		13020101	Buczek	NMGF	1	Disease	Fish health assessment	1	Negative for all pathogens
2009	Lower Rio Grande		Santa Fe River		13020101	Buczek	NMGF	1	Disease	Fish health assessment	1	Negative for all pathogens

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande		Nichols Reservoir		13020101	Buczek	NMGF	1	Disease	Fish health assessment	1	Negative for all pathogens
2009	Lower Rio Grande		Long Canyon Creek		13020101	Buczek	NMGF	1	Disease	Fish health assessment	1	Positive for BKD, negative for all other pathogens
2009	Lower Rio Grande	13020101cp012	San Cristobal Creek		13020101	Buczek	NMGF	1	Disease	Fish health assessment	1	Negative for all pathogens
2009	Lower Rio Grande		Casias Creek (AKA #2 Creek)		13020101	Patten	NMGF	1	Survey	Pre-treatment surveys for future rotenone reclamation	1	High density population of BKT to be treated in 2010
2009	Lower Rio Grande		#2 Lake (Vermejo Park Ranch)		13020101	Patten	NMGF	1	Survey	Pre-treatment surveys for future restoration	1	
2009	Canadian	11080002cp001	McCrystal Creek		11080002	Frey	NMGF	1	Taxonomy	Collected 30 tissue samples	1	Awaiting results
2009	Lower Rio Grande	13020101cp027	Santa Barbara Middle Fork		13020101	Frey	NMGF	1	Taxonomy	Collected 30 tissue samples	1	Awaiting results
2009	Lower Rio Grande	13020101cp018	Tienditas Creek		13020101	Patten	NMGF	1	Taxonomy	Collected 12 tissue samples	1	Awaiting results
2009	Lower Rio Grande	13020204cp002	Rito de los Pinos		13020204	Patten	NMGF	1	Taxonomy	Collected 30 tissue samples	1	Awaiting results
2009	Lower Rio Grande	13020102cp009	Polvadera Creek		13020102	Patten	NMGF	1	Taxonomy	Collected 30 tissue samples	1	Awaiting results



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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande		Rio las Animas			Patten	NMGF	1	Taxonomy	Used microsats to assess purity	1	30 samples, recreation population, support for restoration project
2009	Lower Rio Grande	13020101cp034	Rio Quemado		13020101	Patten	NMGF	1	Taxonomy	Used microsats to assess purity	1	30 samples, conservation population (~96% RGCT)
2009	Lower Rio Grande	13020101cp003	Powderhouse Creek		13020101	Patten	NMGF	1	Taxonomy	Used microsats to assess purity	1	113 samples, from captive broodstock, core conservation population
2009	Lower Rio Grande	13020101cp011	Columbine Creek		13020101	Patten	NMGF	1	Taxonomy	Used microstats to assess purity	1	43 samples, from captive broodstock, core conservation population
2009	Lower Rio Grande	13020101cp023	Policarpio Creek		13020101	Patten	NMGF	1	Taxonomy	Used microsats to assess purity	1	14 samples, from captive broodstock, core conservation population
2009	Canadian	11080001cp003	Leandro Creek		11080001	Frey	NMGF	2	Secure	Mechanically removed brook trout from 3 miles of habitat	1	91 brook trout removed from upstream of barrier
2009	Lower Rio Grande	13020101cp027	Santa Barbara Middle Fork		13020101	Frey	NMGF	2	Secure	Mechanically removed brown trout from 3 miles of habitat	1	456 brown trout removed from usptream of barrier
2009	Lower Rio Grande	13020202cp001	Rio Cebolla		13020202	Castell	NMGF	2	Secure	Mechanically removed brown trout from 5 miles of habitat	1	379 brown trout removed from upstream of barrier
2009	Lower Rio Grande		Santistevan Creek		13020101	Patten/Kruse	NMGF	2	Secure	Modified culverts to create migration barrier	1	Design and construction completed by Carter Kruse and Vermejo Park Ranch
2009	Lower Rio Grande		Casias Creek (AKA #2		13020101	Patten/Kruse	NMGF	2	Secure	Obtained 404 and SHPO permits to install	1	Barrier to be installed in 2010

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Year	GMU	Population Code	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande	13020101cp006	Comanche Creek)	13020101	Patten	NMGF	3	Augment	Stocked post-restoration	20	Stocked 28,000 RGCT into 20 miles of Comanche Creek watershed
2009	Lower Rio Grande	13020101cp001	Costilla Creek	13020101	Patten	NMGF	3	Augment	Stocked post-restoration	9	Stocked RGCT into 9 miles of Costilla Creek watershed
2009	Lower Rio Grande		Casias Lakes 1-4	13020101	Patten	NMGF	3	Restore	Rotenone reclamation	10	Applied rotenone to remove brook and cutthroat trout to approx. 10 surface acres
2009	Lower Rio Grande		Santistevan Creek	13020101	Patten	NMGF	3	Restore	Rotenone reclamation	4	Applied rotenone to remove brook trout from approx. 4 miles of stream habitat
2009	Lower Rio Grande				Jacobson	NMGF	3	Stock RGCT	Stocked RGCT into recreational waters	9	Stocked RGCT into 9 recreational waters
2009					Patten	NMGF	5	Education	RGCT Presentation	1	Presentation to approx. 25 high school students
2009						NMGF	5	Education	Press Release	1	Press release and coverage of Comanche Creek restoration
2009						NMGF	6	Database	Database entry	1	
2009						NMGF	7	Coordinate	Annual Rangewide meeting	1	

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2009						Patten/Frey	NMGF	7	Coordinate	Filled out this form	1	
2009						Patten	NMGF	7	Coordinate	NM RGCT working group meeting	2	
2009						Patten/Vega	NMGF	7	Coordinate	Rio las Animas meeting	1	Meeting with FS and TEI to discuss Rio las Animas restoration
2009	Lower Rio Grande	13020201cp001	Capulin Creek		13020201	Patten	NMGF	7	Coordinate	Regulation amendment	1	Coordinated RGCT regulation amendment with USFS and NPS
2009			Seven Springs Hatchery Spawn			Jacobson	NMGF	A	Miscellaneous	Spawned	1	>300,000 eggs taken
<b>CDOW</b>												
2009	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDO W	1	Monitor	Trap net survey during spawntake	1	1,309 RGN collected, mean length 13.7 inch (8.3-19.3)
2009	Rio Grande Headwaters	13010004cp002	East Pass Creek	42022	13010004	Alves	CDO W	1	Monitor	Conducted 2 pass removal estimates at 2 stations	2	53-106 fish/mile, multiple year classes with evidence of natural reproduction
2009	Rio Grande Headwaters	13010004cp001	Whale Creek	42420	13010004	Alves	CDO W	1	Monitor	Conducted 2 pass removal estimates at 2 stations	2	121 fish/mile, small population with restricted range, multiple year classes in sample

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Rio Grande Headwaters		Alberta Park Reservoir	88321	13010001	Alves	CDO W	1	Monitor	Gillnet survey	1	2 RGN collected , mean length 13.4 inch (12.2-14.6), numerous BRK
2009	Rio Grande Headwaters		Black Mountain Lake	88624	13010001	Alves	CDO W	1	Monitor	Gillnet survey	1	39 RGN collected, mean length 11.4 inch (9.1-17.7), multiple year classes recruited through stocking, abundant BRK
2009	Rio Grande Headwaters		La Jara Reservoir	90833	13010002	Alves	CDO W	1	Monitor	Gillnet survey	1	16 RGN collected, mean length 10.3 inch (6.3-16.9), multiple year classes recruited through stocking, numerous BRK
2009	Rio Grande Headwaters		Poage Lake	91760	13010001	Alves	CDO W	1	Monitor	Gillnet survey	1	11 RGN collected, mean length 12.3 inch (7.9-17.7), BRK and SRN also collected
2009	Rio Grande Headwaters	13010002cp016	Placer Creek	44711	13010002	Alves	CDO W	1	Disease	Whirling Disease Assessment	2	30 sentinel fish submitted to Pisces Molecular for PCR analysis, 0 positive for M.c.
2009	Rio Grande Headwaters	13010002cp016	Placer Creek	44711	13010002	Alves	CDO W	1	Disease	Whirling Disease Assessment	1	Samples submitted to AAHL for PTD analysis, no results yet
2009	Rio Grande Headwaters	13010002cp016	Middle Placer Creek	49305	13010002	Alves	CDO W	1	Disease	Whirling Disease Assessment	1	Samples submitted to AAHL for PTD analysis, no results yet
2009	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDO W	1	Disease	Fish Health Assessment	2	Results: Specific pathogen Free

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2009	Rio Grande Headwaters	13010002cp016	Placer Creek	44711	13010002	Alves	CDO W	3	Restore	Chemical Reclamation	26	Second treatment to remove trout
2009	Rio Grande Headwaters	13010002cp016	Middle Placer Creek	49305	13010002	Alves	CDO W	3	Restore	Chemical Reclamation	1	Second treatment to remove trout
2009	Rio Grande Headwaters	13010002cp016	South Placer Creek	49292	13010002	Alves	CDO W	3	Restore	Chemical Reclamation	1	Second treatment to remove trout
2009	Rio Grande Headwaters	13010003cp001	Little Medano Creek	48143	13010003	Alves	CDO W	3	Augment	Stock RGCT to augment conservation population	1	3000 1.3 inch RGCT stocked from Haypress broodstock
2009	Rio Grande Headwaters	13010004cp008	North Fork Carnero Creek	38794	13010004	Alves	CDO W	3	Augment	Stock RGCT to augment conservation population	1	4000 1.3 inch RGCT stocked from Haypress broodstock
2009	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDO W	3	Augment	Stock RGCT to augment feral broodstock	1	3000 1.3 inch RGCT stocked from Haypress broodstock
2009	Rio Grande Headwaters					Alves	CDO W	3	Stock RGCT	Stock lakes and streams with RGCT for angler recreation (sum of lakes and streams stocked)	51	184,037 RGCT stocked from Haypress broodstock
2009	Rio Grande Headwaters					Alves	CDO W	6	Database	Updated new information during March 2009 GMU meeting	1	

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Rio Grande Headwaters					Alves	CDO W	7	Coordinate	Filled out this form	1	
2009	Rio Grande Headwaters					Alves/Nesler	CDO W	7	Coordinate	Participated in annual rangewide meeting Planning/Coordination with USFS, BLM and county commissioners for La Garita Creek restoration project	2	
2009	Rio Grande Headwaters		La Garita Creek	40941		Alves	CDO W	7	Coordinate	Annual RGCTspawntake at Haypress Lake	1	227,063 fertilized eggs taken, fecundity was 1066 eggs/female.
2009	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDO W	A	Miscellaneous	Completed maintenance work on two barriers	2	
2009	Rio Grande Headwaters	13010002cp016	Placer Creek	44711	13010002	Alves	CDO W	B	Habitat	Completed maintenance work on one barrier	1	
2009	Rio Grande Headwaters	13010002cp016	Middle Placer Creek	49305	13010002	Alves	CDO W	B	Habitat			

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2009	Rio Grande Headwaters	13010004cp008	North Fork Carnero Creek	38794	13010004	Wiley	USFS	1	Monitor	2 pass removal at 3 stations	3	No fish netted or observed
2009	Rio Grande Headwaters	13010004cp012	Cave Creek	38871	13010004	Wiley	USFS	1	Monitor	2 pass removal at 2 stations	2	49 fish/mile
2009	Rio Grande Headwaters	13010004cp007	Middle Fork Carnero Creek	38782	13010004	Wiley	USFS	1	Monitor	2 pass removal at 3 stations	3	32-156 fish/mile
2009	Rio Grande Headwaters	13010004cp006	Big Springs Creek	38281	13010004	Wiley	USFS	3	Connectivity	Replaced culvert	1	
2009	Rio Grande Headwaters	13010004cp011	Prong Creek	38271	13010004	Wiley	USFS	3	Connectivity	Replaced culvert	1	
2009	Rio Grande Headwaters	13010004cp008	North Fork Carnero Creek	38794	13010004	Wiley	USFS	3	Connectivity	Replaced culvert	1	
2009	Rio Grande Headwaters	13010004cp012	Cave Creek	38871	13010004	Wiley	USFS	3	Connectivity	Removed culvert	1	
2009	Rio Grande Headwaters		La Garita Creek	40941	13010004	Wiley	USFS	3	Connectivity	Replaced culverts	3	WNTI funded project
2009	Rio Grande Headwaters					Wiley	USFS	6	Database	Participated in annual database entry	1	

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Rio Grande Headwaters					Wiley	USFS	7	Coordinate	Filled out this form	1	
2009	Rio Grande Headwaters					Wiley	USFS	7	Coordinate	Participated in annual rangewide meeting Planning/Coordination with CDOW, BLM and county commissioners for La Garita Creek restoration project	1	
2009	Rio Grande Headwaters		La Garita Creek	40941		Wiley	USFS	7	Coordinate		1	
2009	Rio Grande Headwaters	13020102cp011	Wolf Creek	42343	13020102	Wiley	USFS	A	Miscellaneous	Repair barrier	1	WNTI funded project. Project planning/coordination, to be completed in 2010

**BLM\_**  
**CO**

\*See  
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**Rio Grande Cutthroat Trout Rangewide Report 2009 - Summary by Signatory Agency, January 1 to December 31, 2009**

Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande	13020201cp001	Capulin Creek		13020201	Fettig	NPS	7	Coordinate	Regulation amendment	1	Coordinated RGCT regulation amendment with NMDGF

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2009	Lower Rio Grande	13020202cp001	Rio Cebolla		13020202	Cook	SFNF	1	Habitat Inventory	resurvey of upper Cebolla; 7 Springs to headwaters	1	9.8 miles, resurvey of 2001 survey
2009	Lower Rio Grande		Rio Nambe		13020101	Cook	SFNF	1	Habitat Inventory	habitat survey Nambe reservoir to Trail 403	1	7.5 miles
2009	Lower Rio Grande	13020102cp009	Polvadera		13020102	Cook	SFNF	1	Habitat Inventory	thermograph placement & download	3	temperature monitoring
2009	Lower Rio Grande	13060001cd009	Jack's Creek		13060001	Cook	SFNF	1	Habitat Inventory	thermograph placement & download	1	temperature monitoring

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande	13060001cd006	Rio Mora		13060001	Cook	SFNF	1	Habitat Inventory	thermograph placement & download	2	temperature monitoring
2009	Lower Rio Grande	13060001cd010	Cave Creek		13060001	Cook	SFNF	1	Habitat Inventory	thermograph placement & download	1	temperature monitoring
2009	Lower Rio Grande		Rio Nambe		13020101	Cook	SFNF	1	Habitat Inventory	thermograph placement & download	2	temperature monitoring
2009	Lower Rio Grande		Peralta		13020201	Cook	SFNF	1	Habitat Inventory	thermograph placement & download	2	temperature monitoring
2009	Lower Rio Grande	13020101cp026	Alamitos Creek		13020101	Storch	CNF	1	Habitat Inventory	habitat survey Nambe reservoir to Trail 403	1	7 miles of habitat surveyed
2009	Lower Rio Grande		Cruces Creek		13020101	Storch	CNF	1	Habitat Inventory	habitat survey	1	6 miles of habitat surveyed
2009	Lower Rio Grande	13020101cp012	San Cristobal Creek		13020101	Storch	CNF	1	Haibtat inventory	habitat survey	1	4 miles of habitat surveyed
2009	Lower Rio Grande	13020101cp006	Comanche Creek		13020101	Storch	CNF	2	Secure	barrier maintenance	1	Maintenance of Comanche barrier
2009	Lower Rio Grande	13020102cp009	Polvadera Creek		13020102	Serrano	SFNF	4	Improve	1/2 mile of riparian fence to keep cattle out	1	0.5 miles, completed by Youthworks through 319 grant
2009	Lower Rio Grande	13020202cp001	Upper Rio Cebolla		13020202	Cook	SFNF	4	Improve	4 new gates along upper Rio Cebolla to keep cattle & OHVs out of stream	1	5.5 miles, funded through 319 grant

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande	13020202cp001	Rio Cebolla		13020202	Cook	SFNF	5	Education	Conservation education	1	RGCT lifecycle game at Kids Fishing Day 7 Springs; 180 people
2009	Lower Rio Grande				11080004	Cook	SFNF	5	Education	Conservation education	1	RGCT lifecycle game at Kids Fishing Day Morphy Lake; 136 people
2009	Lower Rio Grande				13020202	Sanderson	SFNF	5	Education	Conservation education	1	RGCT lifecycle presentation at Rio Rancho Water festival, 270 people reached
2009	Lower Rio Grande				13020202	Sanderson	SFNF	5	Education	Conservation education	1	RGCT lifecycle presentation at Alb. Water Festival - 270 people reached
2009	Lower Rio Grande				13060001	Cook	SFNF	5	Education	Conservation education	1	RGCT lifecycle presentation at Las Vegas Earth Day - 850 people in attendance
2009							FS-NM	6	Database	Database entry	1	
2009							FS-NM	7	Coordinate	Annual rangewide meeting	1	
2009							FS-NM	7	Coordinate	Filled out this form	1	
2009							FS-NM	7	Coordinate	NM Working group	2	

**Rio Grande Cutthroat Trout Rangewide Report 2009 - Summary by Signatory Agency, January 1 to December 31, 2009**

Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
<b>FWS</b>												
2009	Lower Rio Grande	13020102cp003	Poso Creek		13020102	Kitcheyan	USFWS	1	Monitor	Electrofishing surveys	1	Assisted JAN to evaluate species presence and relative abundance
2009	Lower Rio Grande		Santa Clara Creek			Kitcheyan	USFWS	1	Survey	Non-native trout removals	1	Mechanical removals, 600 hybridized trout moved in preparation for restoration
2009	Lower Rio Grande		Santa Clara Creek			Kitcheyan	USFWS	1	Taxonomy	Genetic analysis	1	Genetic analysis completed by Dexter NFH&TC
2009	Lower Rio Grande	13020102cp003	Poso Creek		13020102	Kitcheyan	USFWS	2	Secure	Barrier survey	1	Conducted structural survey
2009	Lower Rio Grande		Santa Clara Creek			Kitcheyan	USFWS	4	Improve	Habitat improvement	1	Constructed 20 pools within 1-mile reach
2009	Lower Rio Grande		Santa Clara Creek			Kitcheyan	USFWS	4	Improve	Spillway replacement funding	1	Expected to be completed in FY 2010
2009						Myers/Kitcheyan	USFWS	6	Database	Annual database entry	1	
2009						Myers/Oetker	USFWS	7	Coordinate	Annual Rangewide Meeting	1	
2009						Myers/Oetker/Kitcheyan	USFWS	7	Coordinate	NM Working group meeting	2	

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande		Santa Clara Creek			Kitcheyan	USFWS	7	Coordinate	MOA for Restoration	2	MOA among SC Pueblo and NMDGF
2009						Oetker/Kitcheyan	USFWS	7	Coordinate	Filled out this form	1	
2009	Lower Rio Grande		Santa Clara Creek			Kitcheyan	USFWS	7	Planning		2	SC Pueblo Tribal Council passed resolution protecting RGCT waters for restoration
2009						Oetker	USFWS	A	Misc.	Research: The Fish and Wildlife Service has secured funds for USGS to investigate the effects of climate changed on RGCT populations throughout its range. This project will be completed in 3 years.	1	
<b>JAN</b>												
2009	Lower Rio Grande	13020102cp003	Poso Creek		13020102	Terry	JGFD	1	monitor	Electrofish single pass survey	1	

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Year	GMU	Population Code	Water	Water Code	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2009	Lower Rio Grande	13020102cp002	Little Willow Creek		13020102	Terry	JGFD	1	monitor	Electrofish single pass survey	1	
2009	Lower Rio Grande	13020102cp003	Poso Creek		13020102	Terry	JGFD	1	Taxonomy	Took 30 fin samples for Genetics	1	
2009	Lower Rio Grande	13020102cp002	Little Willow Creek		13020102	Terry	JGFD	1	Taxonomy	Took 30 fin samples for Genetics	1	
2009	Lower Rio Grande	13020102cp003	Poso Creek		13020102	Terry	JGFD	2	Secure	Devolped strategy to repair the Gabion Barrier in 2010	1	Submitted prposal to WNTI for repair work
2009						Terry	JGFD	6	Database	Database entry	1	
2009						Terry	JGFD	7	Coordinate	Annual rangewide meeting	1	