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March 24, 2009

Rio Grande Cutthroat Trout Conservation Team

Bruce Rosenlund, USFWS Region 6  
Marilyn Myers, 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 2008 range-wide activities for Rio Grande cutthroat trout (RGCT) in a report format agreed upon by the range-wide conservation team. As you know, 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 2008.

**Population Inventory**

In 2008, 57 waters (68 individual surveys) were inventoried within the historic range of RGCT. The purpose of the inventories was to survey potentially occupied RGCT waters (10), monitor known populations (27), assess the genetic status of RGCT populations (11) and collect disease information (8). Of the 11 genetic status assessments, eight indicated the RGCT population in question should be considered a core conservation population.

**Population Maintenance**

Fifteen 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**

Fifty-two waters were included in the population expansion activities. Three waters are undergoing chemical reclamation to remove non-native fishes over a total of 57 miles of stream habitat. Costilla Creek, 9 miles of habitat, was treated and restocked with RGCT in 2008. Comanche Creek, 20 miles of habitat, was re-treated and hopefully will be restocked in 2009. Non-native trout persisted after the initial treatment in 2007 and it will undergo an additional treatment in 2010. Ten waters were stocked with RGCT to augment existing populations. Rio Grande cutthroat trout were stocked into 39 waters to provide recreational angling opportunities.

### **Protecting/Restoring Habitat**

Funding was secured to modify current culvert barriers on six waters and a total of 9 locations.

### **Education**

Three events were attended by range-wide team members where they presented RGCT conservation topics to over 500 individuals.

### **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). This database was the primary source of information from which the 2008 status assessment of RGCT was produced (Alves et al. 2008).

### **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 Great Sand Dunes National Monument and Colorado Division of Wildlife.

### **Miscellaneous**

Miscellaneous activities included continued broodstock development which produced over 400,000 genetically unaltered RGCT, development of a fisheries management plan for tribal purposes, and receipt of money to monitor changes in stream temperature resulting from climate change.

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

**Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Strategy, January 1 to December 31, 2008**

Strategy	Subhead	Title	Waters/Events	Total	Description
1	Survey	Population Inventory	10	17	Survey potential RGCT waters within historic range; maintain database
1	Monitor	Population Inventory	27	39	Monitor RGCT populations to detect changes; maintain database
1	Taxonomy	Population Inventory	12	12	Collect genetic information within historic range, maintain database
1	Habitat Inventory	Population Inventory	0	0	Collect habitat information within historic range; maintain database
1	Disease	Population Inventory	8	10	Conduct fish health surveys including WD
2	Identify	Population Maintenance	0	0	Identify Core Conservation and Conservation populations
2	Secure	Population Maintenance	15	15	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	3	57	Increase RGCT populations by restoring RGCT habitat through chemical reclamation
3	Augment	Population Expansion	10	17147	Augment pure populations within historic range by stocking or transplanting RGCT
3	Connectivity	Population Expansion	0	0	Promote and restore connectivity of populations to enhance metapopulation function
3	Stock RGCT	Population Expansion	39	133621	Stock lakes and streams with RGCT for angler recreation (sum of lakes and streams stocked)

**Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Strategy, January 1 to December 31, 2008**

Strategy	Subhead	Title	Waters/Events	Total	Description
4	Improve	Protect sustaining habitat and restore degraded habitat	6	9	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	3	3	Subcommittee to develop education and interpretation program providing deliverables and a consistent message regarding RGCT conservation efforts
6	Database	Database Sharing	7	7	Summarize distribution, population genetics and habitat data; centralize data into a database; allow rangewide integrated data analysis, summaries, and comparisons
7	Coordinate	Planning/ Coordination	17	22	Share information; identify/ discuss/ solve common conservation problems; prioritize issues;
A*	Miscellaneous	Other Activities/ Actions	7	7	Accomplishments that are not listed in the other titles or strategies
B	Habitat	Private Land Protection or Restoration (stream miles)	0	0	Landowner/ private land habitat protection or restoration

\* 443,825 RGCT eggs taken for broodstock development in 2008

**Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Signatory Agency, January 1 to December 31, 2008**

Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Signatory Agency, January 1 to December 31, 2008												
Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
<b>NMGF</b>												
2008	Lower Rio Grande	13020101cp022	Rito la Pressa		13020101	Frey	NMGF	1	Monitor	Conducted 1 depletion estimate	1	267 fish/mile, brown trout present
2008	Canadian	11080001cp003	Leandro Creek		11080001	Frey	NMGF	1	Monitor	Conducted 1 depletion estimate	1	Brook trout discovered above the barrier
2008	Lower Rio Grande	13020101cp019	Frijoles Creek		13020101	Frey	NMGF	1	Monitor	Conducted 1 depletion estimate	1	145 fish/mile, brown trout also collected
2008	Pecos River	13060005cp001	Pinelodge Creek		13060005	Dominguez	NMGF	1	Monitor	Conducted electrofishing surveys	1	Fish stocked in 2007 survived
2008	Lower Rio Grande		Glacier Lake (middle)		0	Frey	NMGF	1	Monitor	Gill net surveys in middle Glacier Lake	1	RGCT only fish collected, YOY collected with electrofishing unit indicating natural reproduction Average 814 fish/mile, multiple size classes, 1 brown trout collected above barrier Average 177 fish/mile, multiple size classes
2008	Lower Rio Grande	13020101cp026	Alamitos Creek		13020101	Patten	NMGF	1	Monitor	Conducted 3 depletion estimates	3	
2008	Lower Rio Grande	13020101cp011	Columbine Creek		13020101	Patten	NMGF	1	Monitor	Conducted 3 depletion estimates	3	

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units	
											Accomplished	Comments
2008	Lower Rio Grande	13020102cp008	Canones Creek		13020102	Patten	NMGF	1	Monitor	Conducted 3 depletion estimates	3	Average 501 fish/mile
2008	Lower Rio Grande	13020102cp009	Polvadera Creek		13020102	Patten	NMGF	1	Monitor	Conducted 2 depletion estimates	2	Average 288 fish/mile
2008	Lower Rio Grande	13020101cp034	Rio Quemado		13020102	Dominguez	NMGF	1	Monitor	Conducted electrofishing surveys	1	Brown trout in lower creek and no barriers observed
2008	Lower Rio Grande	13020102cp006	El Rito		13020102	Frey	NMGF	1	Monitor	Conducted 2 depletion estimates	2	547 fish/mile
2008	Lower Rio Grande	13020102cp007	El Rito		13020102	Frey	NMGF	1	Monitor	Conducted 1 depletion estimate	1	660 fish/mile
2008	Pecos River		Copeland Canyon		13060005	Dominguez	NMGF	1	Survey	Electrofishing surveys within historic range affected by fire	1	Documented persistence of brook trout in fire affected areas
2008	Upper Rio Grande	13010005cp002	Tio Grande		13010005	Patten	NMGF	1	Taxonomy	Used microsats to diagnose purity	1	80 samples from field spawn, core conservation population
2008	Upper Rio Grande	13010005cp003	Tanques Creek		13010005	Patten	NMGF	1	Taxonomy	Used microsats to diagnose purity	1	70 samples from field spawn, core conservation population
2008	Lower Rio Grande	13020101cp003	Powderhouse Creek		13020101	Patten	NMGF	1	Taxonomy	Used PINEs to diagnose purity	1	30 samples, collected from captive broodstock, core

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
												conservation population
2008	Lower Rio Grande	13020101cp011	Columbine Creek		13020101	Patten	NMGF	1	Taxonomy	Used PINEs to diagnose purity	1	30 samples, collected from captive broodstock, core conservation population
2008	Lower Rio Grande	13020102cp006	El Rito		13020102	Patten	NMGF	1	Taxonomy	Used PINEs to diagnose purity	1	30 samples, collected from captive broodstock, core conservation population
2008	Lower Rio Grande	13020101cp001	Costilla Creek		13020101	Patten	NMGF	1	Taxonomy	Used microsats to diagnose purity	1	55 samples, core conservation population
2008	Lower Rio Grande	13020101cp032	Rio de Truchas	0	13020101	Patten	NMGF	1	Taxonomy	Used microsats to diagnose purity	1	32 samples, core conservation population
2008	Lower Rio Grande	13020101cp003	Powderhouse Creek		13020101	Buczek	NMGF	2	Disease	Fish health assessment	1	Negative for pathogens
2008	Lower Rio Grande		McClure Reservoir/SF River			Buczek	NMGF	2	Disease	Fish health assessment	1	Positive for BKD, all others negative
2007	Lower Rio Grande	13010005cp004	Rio Nutrias		13010005	Buczek	NMGF	2	Disease	Fish health assessment	1	Negative for pathogens

**Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Signatory Agency, January 1 to December 31, 2008**

Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units	
											Accomplished	Comments
2008	Lower Rio Grande		Long Canyon Creek		13020101	Buczek	NMGF	2	Disease	Fish health assessment	1	Positive for BKD, all others negative
2008	Lower Rio Grande		Rito de la Olla		13020101	Buczek	NMGF	2	Disease	Fish health assessment	1	Downstream of Frijoles and Palociento Creeks (spawn 2009), Positive for BKD, all others negative
2008	Lower Rio Grande	13020202cp001	Rio Cebolla		13020202	Castell	NMGF	2	Secure	Mechanically removed brown trout from 5 miles of habitat	1	757 brown trout removed, RGCT expanded into previous habitat occupied by brown trout
2008	Lower Rio Grande	13020101cp020	Palociento Creek		13020101	Patten	NMGF	2	Secure	Mechanically removed brown trout from 2 miles of habitat	1	89 brown trout removed, all size classes of RGCT present
2008	Lower Rio Grande	13020101cp019	Frijoles Creek		13020101	Frey	NMGF	2	Secure	Mechanically removed brown trout from 2 miles of habitat	1	120 brown trout removed, all sizes classes of RGCT present
2008	Lower Rio Grande	13020101cd011	Columbine Creek		13020101	Patten	NMGF	2	Secure	Mehcnically removed brown trout from 2 miles of habitat	1	36 brown trout removed, all size classes of RGCT present
2008	Upper Rio Grande	13010005cp002	Tio Grande		13010005	Patten	NMGF	2	Secure	Mechanical removal of brown trout	1	28 brown trout removed, all size classes of RGCT present



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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2008	Upper Rio Grande	13010005cp003	Tanques Creek		13010005	Patten	NMGF	2	Secure	Mechanical removal of brown trout	1	7 brown trout removed, all size classes of RGC Tpresent
2008	Lower Rio Grande	13020101cp001	Costilla Creek		13020101	Patten	NMGF	1	Taxonomy	Used AFLPs to diagnose purity	1	30 samples, core conservation population
2008	Lower Rio Grande	13020101cp002	Costilla Creek		13020101	Patten	NMGF	3	Augment	Stocked RGCT into Costilla Creek after rotenone treatment	1908	848 yoy, 100 1-yo, 960 2-yo RGCT
2008	Pecos River	13060005cp001	Pinelodge Creek		13060005	Dominguez	NMGF	3	Augment	Stocked RGCT into Pinelodge Creek, 300 1 yo, 1,000 yoy	1300	1,000 yoy, 300 1 yo
2008	Lower Rio Grande		McClure Reservoir			Dominguez	NMGF	3	Augment	Transferred and stocked RGCT from captive broodstock and wild populations	332	Lineages included Tanques, Tio Grande, Columbine, Policarpio, Powderhouse, Comanche
2008	Lower Rio Grande		Nichols Reservoir			Dominguez	NMGF	3	Augment	Stocked RGCT from Pecos drainage	1308	
2008	Lower Rio Grande	13020101cp006	Comanche Creek		13020101	Patten	NMGF	3	Restore	Rotenone treatment in 20 miles of historic habitat	20	Additional treatment to remove non-native fish
2008	Lower Rio Grande	13020101cp002	Costilla Creek		13020101	Patten	NMGF	3	Restore	Rotenone treatment in 9 miles of historic habitat	9	

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2008	Lower Rio Grande					Patten	NMGF	3	Stock	Stocked RGCT into recreational lakes and streams	9	29472 fish stocked
2008						Patten	NMGF	6	Database	Database update, Monte Vista 2008	1	
2008						Patten	NMGF	7	Coordinate	Filled out this form	1	
2008						Patten/Sloane	NMGF	7	Coordinate	Participated in RGCT working group meetings	3	
2008							NMGF	7	Coordinate	Participated in annual rangewide meeting	1	
2008	Lower Rio Grande		Seven Springs Hatchery			Jacobson	NMGF	A	Miscellaneous	Hatchery Broodstock Spawn	100883	
2008	Upper Rio Grande	13010005cp002	Tio Grande		13010005	Patten	NMGF	A	Miscellaneous	Field spawn at Tio Grande	4521	14 pairs
2008	Upper Rio Grande	13010005cp003	Tanques Creek		13010005	Patten	NMGF	A	Miscellaneous	Field spawn at Tanques	3217	19 pairs
2008	Lower Rio Grande		McClure Reservoir			Patten	NMGF	A	Miscellaneous	Field spawn at McClure Reservoir	9787	13 pairs

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
<b>CDOW</b>												
2008	Rio Grande Headwaters	13010003cp001	Medano Creek	41501	13010003	Alves	CDOW	1	Monitor	Conducted 2 pass removal estimates at 2 stations	2	457-918 fish/mile, multiple year classes and age 0
2008	Rio Grande Headwaters	13010003cp001	Medano Creek, Hudson Branch	39590	13010003	Alves	CDOW	1	Monitor	Conducted 2 pass removal estimates at 1 station	1	282 fish/mile, multiple year classes
2008	Rio Grande Headwaters	13010003cp001	Medano Creek, Little	48143	13010003	Alves	CDOW	1	Monitor	Conducted 1 pass removal estimates at 1 station	1	211 fish/mile, two year classes recruited from stocking following drought in 2001
2008	Lower Rio Grande	13020101cp001	Costilla Creek, East Fork	39390	13020101	Alves	CDOW	1	Monitor	Conducted 2 pass removal estimates at 1 station	1	337 fish/mile, multiple year classes, no evidence of non-native trout introgression
2008	Lower Rio Grande	13020101cp001	Costilla Creek, West Fork	33890	13020101	Alves	CDOW	1	Monitor	Conducted 2 pass removal estimates at 2 stations	2	179-567 fish/mile, multiple year classes, no evidence of non-native trout introgression

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units		Comments
											Accomplished		
2008	Rio Grande Headwaters	13010002cp015	West Indian Creek	44709	13010002	Alves	CDOW	1	Monitor	Conducted 2 pass removal estimates at 2 stations	2		128-196 fish/mile, multiple year classes, at risk from BRK
2008	Rio Grande Headwaters	13010002cp015	West Indian Creek, South Fork	39530	13010002	Alves	CDOW	1	Monitor	Conducted 2 pass removal estimates at 2 stations	2		247-290 fish/mile, multiple year classes, at risk from BRK
2008	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDOW	1	Monitor	Trap net survey during spawntake	1		1,636 RGN collected, mean length 13.6 inch (7.1-18.9)
2008	Lower Rio Grande	13020101cp002	Glacier Lake	88291	13020101	Alves	CDOW	1	Monitor	Gillnet survey	1		34 RGN collected, mean length 12.1 inch (6.5-17)
2008	Rio Grande Headwaters		Heart Lake	90415	13010001	Alves	CDOW	1	Monitor	Gillnet survey	1		No RGN collected, stocked recreation lake
2008	Rio Grande Headwaters		Cotton Lake	89183	13010003	Alves	CDOW	1	Monitor	Gillnet survey	1		38 RGN collected, mean length 9.4 inch (7.5-16.5), stocked recreation lake
2008	Rio Grande Headwaters		Canon Bonito	38744	13010005	Alves	CDOW	1	Survey	Conducted 2 pass removal estimates at 1 station	1		594 fish/mile unknown cutthroat trout, potential RGCT reclamation site with

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
												waterfall at lower terminus
2008	Rio Grande Headwaters		Canova Canyon	39494	13010002	Alves	CDOW	1	Survey	Conducted 1 pass removal estimates at 1 station	1	No fish collected, potential RGCT reintroduction site
2008	Rio Grande Headwaters		Culebra Creek, North Fork	39493	13010002	Alves	CDOW	1	Survey	Conducted 1 pass removal estimates at 4 stations	4	No fish collected, potential RGCT reintroduction site
2008	Rio Grande Headwaters		Canon Bonito	38744	13010005	Alves	CDOW	1	Taxonomy	Used AFLPs to diagnose purity	1	30 specimens submitted to Pisces Molecular
2008	Rio Grande Headwaters		Ivy Creek	40814	13010001	Alves	CDOW	1	Taxonomy	Used AFLPs to diagnose purity	1	30 specimens submitted to Pisces Molecular
2008	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDOW	1	Taxonomy	Used AFLPs to diagnose purity	1	40 specimens submitted to Pisces Molecular
2008	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDOW	2	Disease	Fish Health Assessment	1	Results: Specific pathogen Free
2008	Rio Grande Headwaters	13010002cp016	Placer Creek	44711	13010002	Alves	CDOW	2	Disease	Whirling Disease Assessment	1	30 sentinel fish submitted to Pisces Molecular for PCR analysis, 5 positive for M.c.

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2008	Rio Grande Headwaters		La Garita Creek	40941	13010004	Alves	CDOW	2	Disease	Whirling Disease Assessment	3	Specimens collected from 3 locations for PTD whirling disease test (results: specific pathogen free); La Garita restoration project
2008	Rio Grande Headwaters		Ivy Creek	40814	13010001	Alves	CDOW	2	Secure	Locate barrier sites	1	Located barrier sites to secure stream for proposed RGCT restoration project
2008	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDOW	3	Augment	Stock RGCT to augment broodstock	4000	1.4 inch RGCT stocked from Haypress Lake brood stock
2008	Lower Rio Grande		Costilla Lake #1	88288	13020101	Alves	CDOW	3	Augment	Stock RGCT to augment population	1299	1.1 inch RGCT stocked from Haypress Lake brood stock
2008	Lower Rio Grande	13020101cp002	Glacier Lake	88291	13020101	Alves	CDOW	3	Augment	Stock RGCT to augment population	700	1.1 inch RGCT stocked from Haypress Lake brood stock
2008	Rio Grande Headwaters	13010005cp007	Lake Fork Conejos River	39289	13010005	Alves	CDOW	3	Augment	Stock RGCT to restore population	3000	1.3 inch RGCT stocked from Haypress Lake brood stock

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2008	Rio Grande Headwaters	13010002cp016	Placer Creek	44711	13010002	Alves	CDOW	3	Restore	Electrofishing throughout watershed to assess 2007 reclamation project	28	BRK and RGCT found in Middle Fork Placer Creek and Placer Creek, re-treat in 2009
2008	Rio Grande Headwaters					Alves	CDOW	3	Stock RGCT	Stock lakes and streams with RGCT for angler recreation (sum of lakes and streams stocked)	104149	30 waters stocked with 1.2 inch RGCT from Haypress Lake brood stock
2008	Rio Grande Headwaters					Alves	CDOW	6	Database	Updated new information during March 2008 GMU meeting	1	
2008	Rio Grande Headwaters					Alves	CDOW	7	Coordinate	Filled out this form	1	
2008							CDOW	7	Coordinate	Participated in annual rangewide meeting	1	
2008	Rio Grande Headwaters	13010001cp001	Haypress Lake	90388	13010001	Alves	CDOW	A	Miscellaneous	Annual RGCTspawntake	325417	325,417 fertilized eggs taken, fecundity was 1192 eggs/female.

Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Signatory Agency, January 1 to December 31, 2008

Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
FS_CO												
2008	Rio Grande Headwaters		Rio Chama, West Fork	38972	13020102	Wiley	USFS-CO	1	Monitor	Conducted 2 pass removal estimates	1	No RGCT collected despite biannual stocking at this recreation water
2008	Rio Grande Headwaters		Perry Creek	45484	13010004	Wiley	USFS-CO	1	Survey	Conducted 2 pass removal estimates	1	No RGCT collected, baseline inventory for proposed La Garita Creek restoration project
2008	Rio Grande Headwaters		Groundhog Creek	45458	13010004	Wiley	USFS-CO	1	Survey	Conducted 2 pass removal estimates	2	No RGCT collected, baseline inventory for proposed La Garita Creek restoration project
2008	Rio Grande Headwaters		Benino Creek	45395	13010004	Wiley	USFS-CO	1	Survey	Conducted 2 pass removal estimates	2	No RGCT collected, baseline inventory for proposed La Garita Creek restoration project
2008	Rio Grande Headwaters		La Garita Creek	40941	13010004	Wiley	USFS-CO	1	Survey	Conducted 2 pass removal estimates	3	No RGCT collected, baseline



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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2008	Rio Grande Headwaters		Ivy Creek	40814	13010001	Wiley	USFS-CO	2	Secure	Locate barrier sites	1	inventory for proposed La Garita Creek restoration project Located barrier sites to secure stream for proposed RGCT restoration project
2008	Rio Grande Headwaters		La Garita Creek	40941	13010004	Wiley	USFS-CO	2	Secure	Locate barrier sites	1	Located barrier sites to secure stream for proposed RGCT restoration project
2008	Rio Grande Headwaters	13020102cp011	Wolf Creek	42343	13020102	Wiley	USFS-CO	2	Secure	Secured funding to repair existing barrier	1	Project will be completed in FY 2009
2008	Rio Grande Headwaters		Perry Creek	45484	13010004	Wiley	USFS-CO	4	Improve	Secured funding to replace road culvert barrier	1	Project will be completed in FY 2009 for proposed RGCT restoration project
2008	Rio Grande Headwaters		Benino Creek	45395	13010004	Wiley	USFS-CO	4	Improve	Secured funding to replace road culvert barrier	1	Project will be completed in FY 2009 for proposed RGCT restoration project

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
2008	Rio Grande Headwaters		Groundhog Creek	45458	13010004	Wiley	USFS-CO	4	Improve	Secured funding to replace road culvert barrier	1	Project will be completed in FY 2009 for proposed RGCT restoration project
2008	Rio Grande Headwaters	13010004cp006	Big Springs Creek	38281	13010004	Wiley	USFS-CO	4	Improve	Secured funding to replace road culvert barrier	3	Project will be completed in FY 2009 for proposed RGCT restoration project
2008	Rio Grande Headwaters	13010004cp008	Carnero Creek, NF	38794	13010004	Wiley	USFS-CO	4	Improve	Secured funding to replace road culvert barrier	1	Project will be completed in FY 2009 for proposed RGCT restoration project
2008	Rio Grande Headwaters	13010004cp011	Prong Creek	38271	13010004	Wiley	USFS-CO	4	Improve	Secured funding to replace road culvert barrier	2	Project will be completed in FY 2009 for proposed RGCT restoration project
2008						Wiley	USFS-CO	6	Database	Updated new information during March 2008 GMU meeting	1	
2008							USFS-CO	7	Coordinate	Participated in annual rangewide meeting	1	

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Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units Accomplished	Comments
<b>BLM_CO</b>												
*See FS_CO												
2008						Garcia	BLM-CO	6	Database	Updated new information during March 2008 GMU meeting	1	
2008							BLM-CO	7	Coordinate	Participated in annual rangewide meeting	1	
<b>NPS_NM</b>												
<b>NPS_CO</b>												
2008	Rio Grande Headwaters	13010003cp001	Medano Creek, Little	48143	13010003	Bunch	NPS	3	Augment	Stock RGCT to augment population	3000	1.3 inch RGCT stocked from Haypress Lake brood stock
2008	Rio Grande headwaters	13010003cp001	Medano Lake	93512	13010003	Bunch	NPS	3	Augment	Stock RGCT to augment population	300	1.3 inch RGCT stocked from Haypress Lake brood stock

**Rio Grande Cutthroat Trout Rangewide Report 2008 - Summary by Signatory Agency, January 1 to December 31, 2008**

Year	GMU	Population Code	Water	WaterCode	HUC	Biologist	Agency	Strategy	Subhead	Activity	Units		Comments
											Accomplished		
2008	Rio Grande headwaters	13010003cp001	Medano Creek	41501	13010003	Bunch	NPS	7	Coordinate	hydroscreen planning for Medano Ditch diversion	1		Coordination w/CDOW, water users, ranchers
2008							NPS	7	Coordinate	Participated in annual rangewide meeting	1		
<b>FS_NM</b>													
2008	Lower Rio Grande	13020101cp006	Comanche		13020101	J.martinez, D.storch	CNF	2	Secure	Barriere Maintanance	1		extended splash pad, replaced small diam. Rip-rap with larger boalders
2008	Lower Rio Grande	13020101cp026	Alamitos		13020101	J.martinez, D.storch	CNF	2	Secure	Barrier Survey and Engineering	1		locate site, conduct structural survey, propose design
2008	Rio Grande Headwaters	13010005cp002	Tio Grande		13010005	J.martinez, D.storch	CNF	2	Secure	Barrier Survey	1		conduct structural survey
2008	Rio Grande Headwaters	13010005cp003	Tanques		13010005	J.martinez, D.storch	CNF	2	Secure	Barrier Survey	1		conduct structural survey
2008						Devall	SFNF	5	Education	Conservation education	1		Presentation to 21 adults and 16 kids

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2008						Cook	SFNF	5	Education	Conservation education	1	Presentation a Rio Rancho Water festival, 270 people reached
2008						Cook, Krishna	SFNF	5	Education	Conservation education	1	Presentation at Alb. Water Festival - 270 people reached
2008						J.martinez, D.storch	CNF	6	Database	Database update, Monte Vista 2008	1	
2008							FS-NM	7	Coordinate	Participated in annual rangewide meeting	1	
2008							FS-NM	7	Coordinate	Participated in RGCT working group meetings	3	
<b>FWS</b>												
2008	Rio Grande		Santa Clara Creek			Kitcheyan	FWS	1	Monitor	Electrofishing surveys	1	
2008	Rio Grande		Santa Clara Creek			Kitcheyan	FWS	1	Taxonomy	Genetic purity	1	
2008	Rio Grande		Santa Clara Creek			Kitcheyan	FWS	2	Secure	Locate Barrier sites	1	

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2008	Rio Grande		Santa Clara Creek			Kitcheyan	FWS	2	Survey	Electrofishing surveys	1	
2008			Rio Ruidoso			Kitcheyan	FWS	1	Survey	Identify potential habitat to expand the range distribution of RGCT	1	
2008						Kitcheyan	FWS	6	Database	Update database information for 2008 Range-wide RGCT Meeting	1	
2008						Myers	NMESFO	7	Coordinate	Participated in NM RGCT conservation team meetings	3	
2008	Rio Grande		Santa Clara Creek			Kitcheyan	FWS	7	Coordinate	Site Visit	1	
2008	Rio Grande					Kitcheyan	FWS	7	Coordinate	Filled out this form	1	
2008	Rio Grande					Kitcheyan	FWS	A	Miscellaneous	Fisheries Management Plan		
2008						Myers	NMESFO	A	Research	Obtained \$5,000 for research on effects of climate change on RGCT		

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<b>JAN</b>												
2008	Rio Chama		Little Willow Creek			Terry	JAN	1	Monitor	Electrofishing	1	Discovered Rainbow Trout morphological characteristics above "natural Barrier"
2008	Rio Chama		El Poso Creek			Terry	JAN	1	Monitor	Electrofishing	1	Discovered that the Gabion Barrier had been breached, and Brook trout were found upstream of Barrier.
2008							JAN	6	Database	Database update, Monte Vista 2007	1	
2008							JAN	7	Coordinate	Participated in annual rangewide meeting	1	