

1-5-2015

Report for NMDGF Permit: 3599, 2014

David J. Buys

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Ms. Letitia Mee
New Mexico Department of Game and Fish
Field Operations Division – Special Use Permit Program
P.O. Box 25112
Santa Fe, NM 87504

ENVIRONMENT

Subject:
2014 Scientific Collection Permit Report for Permit #3599

Ms. Mee:

Date:
January 5, 2015

This letter serves as ARCADIS U.S. Inc.'s (ARCADIS') annual report for Scientific Collection Permit #3599. Under this permit, fish were relocated from Eagle Rock Lake to the adjacent Red River in Taos County, New Mexico. The fish relocation was requested by the United States Environmental Protection Agency (USEPA), and the New Mexico Department of Game and Fish prior to lake dewatering and sediment removal activities scheduled for January 2015. This work was performed in accordance with the USEPA-approved Fish Salvage Plan (Appendix E of the Eagle Rock Lake Sediment Removal Design Work Plan [ARCADIS 2013]).

Contact:
Dave Buys

Phone:
315.671.9400

Email:
dave.buys@arcadis-us.com

On November 10 through 12, 2014, ARCADIS collected fish from Eagle Rock Lake using seines, boat electrofishing, and trap nets. All fish were counted and released live into the adjacent Red River at the locations shown on Figure 1. In total, ARCADIS moved 1,588 fish from Eagle Rock Lake to the Red River. The attached Table 1 and Annual Report Form collectively present the species, number of individuals, and estimate of size classes for the collected fish.

This letter is intended to fulfill the reporting requirements of our 2014 permit. If you have any questions or need additional information, please contact me at (315) 671-9400.

Sincerely,

ARCADIS of New York, Inc.

David J. Buys
Senior Scientist

Imagine the result

Reference:

ARCADIS. 2013. Eagle Rock Lake Sediment Removal Design Work Plan. Appendix E – Fish Salvage Plan for Eagle Rock Lake. Prepared for Chevron Mining Inc., Questa Mine, Questa, New Mexico.

Enclosures:

Annual Report Form
Table 1: Species and Number of Fish Relocated
Figure 1: Eagle Rock Lake Fish Relocation

Copies:

Rhiannon Parmelee, ARCADIS
Tim Cox, ARCADIS
Erin Koch, CEMC



New Mexico Department of Game and Fish Annual Report Scientific Authorization Permit

INSTRUCTIONS: This form is for reporting activities conducted under a New Mexico Department of Game and Fish Scientific Permit. When entering information, place only **one species per line and exact date of collection (Month/Day/Year)**. **Multiple individuals of that species may be entered as long as the date, age, sex, locality and disposition are the same.** Always specify the number of individuals in an entry, along with the ages and sexes where known. Disposition refers to what was done with the animals reported, e.g., “banded and released” or “deposited in the Museum of Southwestern Biology.” **Include all animals taken or handled during the current permit year**, even if some have not been fully identified when this form is submitted. In such case, report the identity as unknown and then supply complete information within one year in a follow-up report. Spreadsheets, catalogues, accession logs, or similar documents may be used in lieu of filling in the report portion of this form, **as long as ALL of the information requested in this form is included** (Geographic location information is recommended. Please note to have complete geographic information you must supply **both** the Coordinate System and the Datum). Filing an annual report is a condition of your permit. Continual failure to file a timely report or an incomplete report could result in suspension of your permit. You must submit a report even if you had no activity during the year. **Please email to DGF.Permits@state.nm.us** . You may also submit to: **New Mexico Department of Game and Fish, Field Operations Division, P.O. Box 25112, Santa Fe, NM 87504. The deadline to submit this report is Jan. 31.**

<p>If submitting a paper copy with original signature: To the best of my knowledge, the information contained in this report is correct, complete, and in compliance with stipulations required of me as a permittee under NMDGF Authorization.</p> <p>Permittee signature _____ Date _____</p>	<p><u>If submitting an electronic copy:</u> By checking the box below, I agree that to the best of my knowledge, the information contained in this report is correct, complete and in compliance with stipulations required of me as a permittee under NMDGF authorization.</p> <p style="text-align: center;"> <input checked="" type="checkbox"/> David J. Buys Date 1/5/2015 </p>
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Name of Permittee David Buys	Permit No. 3599	Report Year 2014
Address 6723 Towpath Road Syracuse, New York. 13214	Phone 315-263-6192	Email dave.buys@arcadis-us.com

Date	Species (Common name)	Species (Scientific name)	Salvaged? Yes/No	Number captured	Age	Sex F/M	County	Drainage	Place Name or Location Discription	Geographic location <small>Coord Sys = UTM, Lat/Long, etc Datum = WGS 84, Nad 27, etc</small>			Disposition	Notes
										Coord Sys & Datum	X axis	Y axis		
11/10/14	Rainbow Trout	<i>Oncorhynchus mykiss</i>	Yes	30	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/10/14	Brown Trout	<i>Salmo trutta</i>	Yes	7	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/10/14	White Sucker	<i>Catostomus commersonii</i>	Yes	125	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/11/14	Rainbow Trout	<i>Oncorhynchus mykiss</i>	Yes	144	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/11/14	Brown Trout	<i>Salmo trutta</i>	Yes	7	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/11/14	White Sucker	<i>Catostomus commersonii</i>	Yes	837	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/12/14	Rainbow Trout	<i>Oncorhynchus mykiss</i>	Yes	70	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/12/14	Brown Trout	<i>Salmo trutta</i>	Yes	6	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded
11/12/14	White Sucker	<i>Catostomus commersonii</i>	Yes	362	NR	NR	Taos	Red River	Eagle Rock Lake	Lat/Long, NAD 83	36.703296	-105.573912	Released live into Red River	NR = Not recorded

**Table 1
Species and Number of Fish Relocated**

**Chevron Mining Inc. Questa Mine
Eagle Rock Lake, Questa, New Mexico**

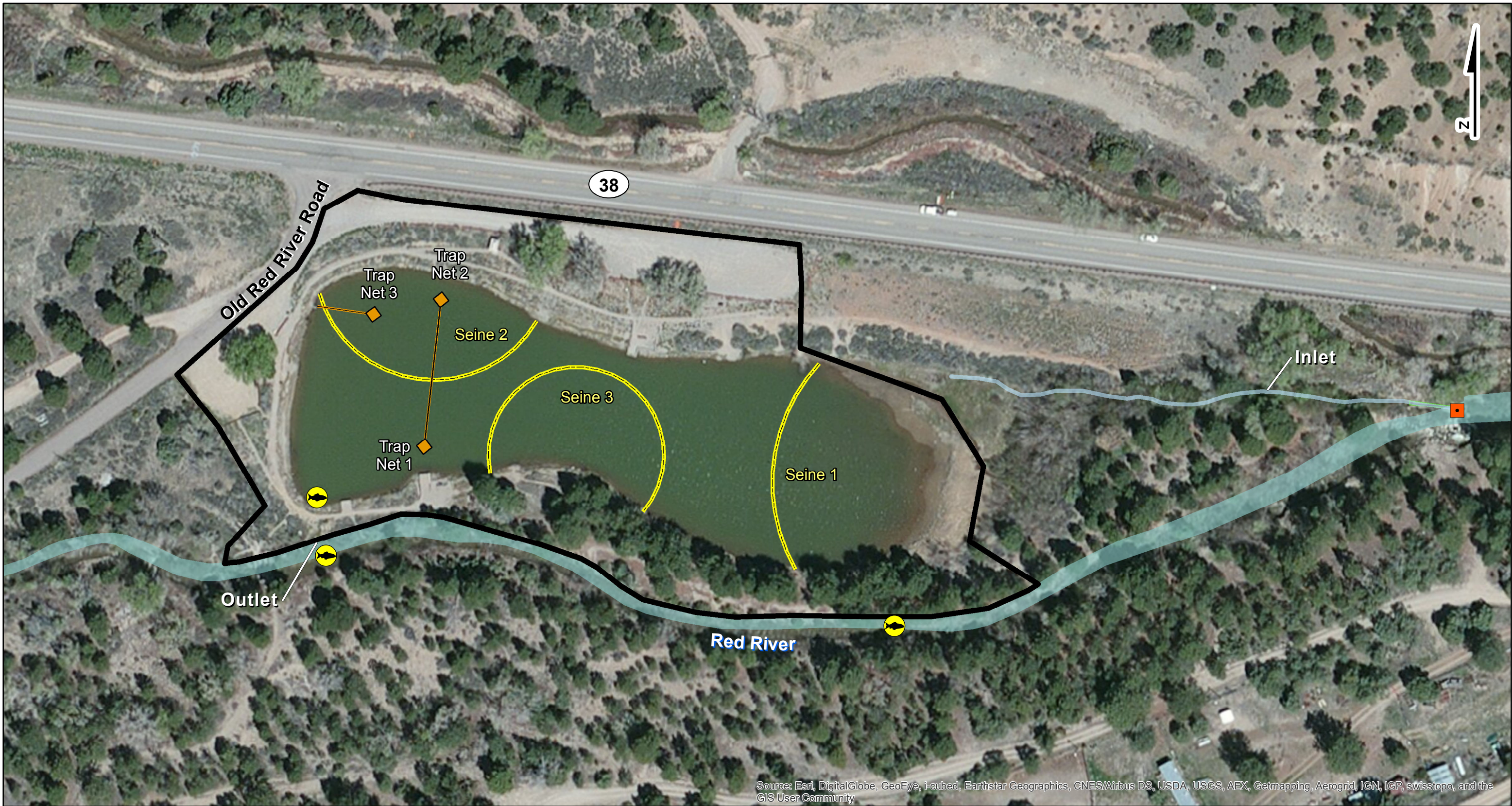
Date	Method	Number of Fish Relocated and Approximate Size Range					
		Rainbow Trout (<i>Oncorhynchus mykiss</i>)		Brown Trout (<i>Salmo trutta</i>)		White Sucker (<i>Catostomus commersonii</i>)	
		Count	Size	Count	Size	Count	Size
11/10/14	Seine 1	30	6-12"	7	9-16"	125	6-13"
11/11/14	Boat electrofishing	141	5-20"	7	9-18"	823	3-15"
11/11/14	Trap net 1	0	--	0	--	1	9"
11/11/14	Trap net 2	0	--	0	--	2	12-14"
11/11/14	Trap net 3	3	8-13"	0	--	11	4-10"
11/12/14	Boat electrofishing	46	6-20"	6	2-14"	182	2-14"
11/12/14	Trap net 1	0	--	0	--	0	--
11/12/14	Trap net 2	0	--	0	--	2	12-13"
11/12/14	Trap net 3	1	8"	0	--	1	3"
11/12/14	Seine 1	12	7-13"	0	--	139	2-12"
11/12/14	Seine 2	1	12"	0	--	8	3-6"
11/12/14	Seine 3	10	6-11"	0	--	30	3-11"
Species Totals		244		20		1,324	
Total Fish Relocated		1,588					

Notes:






1. All collected fish were released live to the Red River. Fish capture and release locations are presented on Figure 1.
2. Size ranges are estimates only; individual fish were not measured to reduce handling and associated stress.

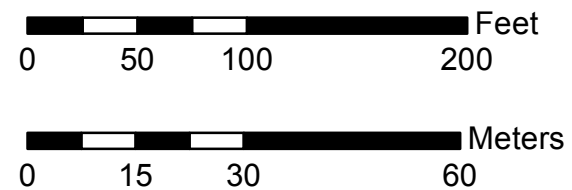
Abbreviations:

-- = not applicable



Source: Esri, DigitalGlobe, GeoEye, i-cubed, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

-  Holding Net
-  Trap Net
-  Seine
-  Head Gate
-  Staging Area



**CHEVRON MINING INC. QUESTA MINE
EAGLE ROCK LAKE, QUESTA, NEW MEXICO**

Eagle Rock Lake Fish Relocation



**Figure
1**