6417-033-0517

IN THE SUPERIOR COURT OF THE STATE OF IN AND FOR THE COUNTY OF APACHE

APACHE CO. SUPERIOR COURT
FILED

IN RE THE GENERAL ADJUDICATION OF ALL RIGHT TO USE WATER IN THE LITTLE COLORADO RIVER SYSTEM AND SOURCE

No. 6417

NO. _____ DOCKETED 12

MAY 28 1991

RECOMMENDED FORM
FOR OBJECTIONS TO THE
Hydrographic Survey Report for the
Silver Creek Watershed

RICHARD D. LUPKE, CLERK DEPUTY

Please file a separate objection for each watershed file report. Objections to information contained in Volumes 1 & 2 can be stated on one objection form. Objections must be written. Use of this form is suggested. Objections must be received on or before May 29, 1991.

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Thie	objec	tion	ie	die	actad	to	Unterche	ad Eil	e Penort	· No	

033-<u>56-ACAD-008</u>

(Please insert no.)

OBJECTOR INFORMATION

Objector's Name: Objector's Address: Salt River Project

Post Office Box 52025

Phoenix, Arizona 85072-2025

Objector's Telephone No:

(602) <u>236-2210</u>

Objector's Watershed File Report No. (If the Objector's claimed water rights are located within the Silver Creek Watershed):

033___-

Or Objector's Statement of Claimant No. (if the Objector's claimed water rights are located outside the Silver Creek Watershed):

39-<u>82193</u> - 82206

39- 87343

STATEMENT OF THE OBJECTION

The following are the main categories of the typical watershed file report (not all watershed file reports have all these categories). Please check the category(ies) of the watershed file report to which you object, and state the reason for the objection on the following page.

- 1. I object to the description of LAND OWNERSHIP
- 2. I object to the description of APPLICABLE FILINGS AND DECREES
- 3. I object to the description of DWR's ANALYSIS OF FILINGS AND DECREES
- 4. I object to the description of the DIVERSIONS for the claimed water right(s)
- I object to the description of the USES for the claimed water right(s)
- 6. I object to the description of RESERVOIRS used for the claimed water right(s)
- 7. I object to the description of SHARED USES & DIVERSIONS for the claimed water right(s)
- 8. I object to the PWR (POTENTIAL WATER RIGHT) SUMMARY of the claimed water right(s)
- X 9. I object to the description of the QUANTITIES OF USE for the claimed water right(s)
 - 10. I object to the EXPLANATION provided for the claimed water right(s)
 - 11. Other Objections (please state volume number, page number and line number for each objection)

Watershed File Report: 033-56-ACAD-008 PETERSON, JUDY

PAGE: 2

SEE_ATTACHMENT_1	·
I hereby make this objection on this <u>14th</u> d	David C. Rhota
	Signature of Objector
	FOR: Salt River Project
	(if in a representative capacity)
Objection and know the contents thereof; and	(Must be completed by Objector) a claimant in this proceeding; that I have read the contents of the foregoing that the information contained in the foregoing Objection is true based on cortions of the Objection which are indicated as being known to me on information eve them to be true Signature of Objector
SUBSCRIBED AND	SWORN to before me this 14th day of May, 1991.
OFFICIAL SEAL FIGURE A. GULL Notary Public - State of A MARICOPA COUNT My Comm. Expires Sept. 17	Notary Public for the State of <u>Arizona</u> Residing at Maricona County
iny Comm. Express Sept. 17	My commission expires

(Must be completed if you object to another Claimant's watershed file report. Does not need to be completed if you file an Objection to your own watershed file report or to information contained in Volumes 1 or 2 of the Hydrographic Survey Report.)

I hereby certify that a copy of the foregoing Objection was served upon the following Claimant(s) by mailing true and correct copies thereof on the <u>28th</u> day of <u>May</u>, 1991 postage prepaid and addressed as follows:

Name:

PETERSON, JUDY

Address: P.O. BOX 453

PINETOP, AZ 85935

(Signature of Objector or person mailing in Objector's behalf)

Objections must be filed with the Clerk of the Superior Court in and for Apache County, Apache County Courthouse, P.O. Box 365, St. Johns, AZ 85936, on or before May 29, 1991. This means that the Objection must be received at the Clerk's office no later than 5:00 p.m. on Wednesday, May 29, 1991.

ATTACHMENT 1

WFR CATEGORY 9 - QUANTITIES OF USE

The Salt River Project objects to the quantities of use assigned to this Potential Water Right (PWR). The methods used by DWR for determining quantities of use for agricultural, recreational and other irrigation PWRs are inconsistent with the Arizona doctrine of prior appropriation; these methods are also technically inaccurate. For an additional discussion of the problems associated with DWR's methods of quantification for these types of PWRs, see the Salt River Project's Volume 1 objections to these methods, a copy of which is attached to this objection and incorporated herein by reference. (This objection applies to: IR001.)

* * * *

The Salt River Project objects to the failure of DWR to calculate a diversion rate for this Potential Water Right (PWR). All PWRs assigned a point or points of diversion should be assigned a separate diversion rate for each point of diversion. Diversion rates should be calculated at the point of diversion and should include transportation losses from the point of diversion to the place of use. (This objection applies to: IR001.)

EXCERPT FROM SALT RIVER PROJECT OBJECTIONS TO VOLUME 1 OF THE SILVER CREEK HSR

IRRIGATION QUANTITY ESTIMATES

(page numbers refer to Volume 1)

Introduction

The Salt River Project objects to DWR's estimation methods and results for irrigation water quantities for the following reasons:

First, there are several technical errors in DWR's calculation of crop consumptive use including estimates of relative humidity, wind, evapotranspiration (ET) for pine trees, pasture peak use and effective precipitation. Although these problems are relatively small, the effect of these errors is magnified since consumptive use is divided by irrigation efficiency to calculate the water duty for irrigated land.

Second, the efficiency estimates used by DWR are inappropriate for the reasons set forth below in that section of the objections. Again, the effect of even a small error in efficiency estimates can result in a larger error in the resulting water duty.

Third, the irrigation water duties computed by DWR are inaccurate as a result of the technical errors in consumptive use and efficiency estimates discussed above and, further, are inconsistent with Arizona water law. The "maximum annual" and "average efficient" quantification methods employed by DWR do not properly estimate actual historic beneficial use as required by statute.

These objections are more fully set forth in the following sections.

Relative Humidity

p. A-4, lines 23-25

The Salt River Project objects to DWR's failure to specify whether it used minimum relative humidity as specified in Food and Agricultural Organization (FAO) Paper 24. The Salt River Project also objects to DWR's use of relative humidity from Winslow when data for the Show Low, Snowflake and Snowflake 15W weather stations can be converted to mean minimum relative humidity through the use of the 6AM and 6PM estimates adjusted with the assistance of "Useful Arizona Climatic Graphs and Data, Series #7."

Wind

p. A-4, lines 26-32

The Salt River Project object's to DWR's use of <u>wind travel</u> data at a height of 2 feet (Snowflake #15) and windspeed data at a height of 10 meters (Winslow) without converting to a 2 meter height as required by FAO Paper 24.¹

$$WT_2 = WR_{.61}(2/0.61)^{.2} = 1.27 WT_{.61}$$

The windspeed data for Winslow can be adjusted by use of the formula:

$$\overline{W}_2 = W_{10}(2/10)^{.2} = 0.72 W_{10}$$

¹The wind travel data for Snowflake can be adjusted by use of the formula:

Evapotranspiration for Pine Trees

p. A-6, Table A-2; p. A-10, Table A-4

The Salt River Project objects to DWR's reporting of inexplicably high evapotranspiration (consumptive use) values for pine trees as compared to all other crops. DWR has reported Christmas tree or pine tree consumptive use in its various management plans for Active Management Areas at about one-half of the value shown in Table A-2.

Pasture Peak Use

p. A-5, lines 30-31; p. A-7, Fig. A-1; p. A-8, Fig. A-2

The Salt River Project objects to DWR's reporting of pasture peak use that exceeds corn peak use. Corn peak use should be higher than pasture since it is taller and has a crop coefficient (kc) that is higher than that of pasture at peak use.

Effective Precipitation

p. A-9, lines 1-31

The Salt River Project objects to DWR's failure to report how it estimates effective precipitation during the non-growing season. The Salt River Project also objects to the use of a 3-inch rather than 4-inch depth of irrigation water application in its estimation of growing season effective precipitation for alfalfa. Furthermore, the Salt River Project objects to DWR's use of a 50 percent probability of precipitation, which results in an inadequate supply in one-half of the years. A 50 percent probability indicates that average effective precipitation is subtracted from crop consumptive use when DWR calculates the irrigation requirement. This means that in years of below-average precipitation, irrigation users would be unable to replace the lack of precipitation with additional irrigation water. The amount of precipitation that is available 80 percent of the time for field crops and 90 percent of the time for orchards and vegetables is appropriate.

Efficiency Estimates

pp. A-10 through A-13; pp. A-31 through A-65

The Salt River Project objects to DWR's estimates of efficiencies for water uses served by irrigation districts and major surface water diverters where average rates of diversion from a few measurements are used to calculate total deliveries and no consideration is given to supplemental supplies obtained by individual users. The Salt River Project also objects to the failure of DWR to include conveyance losses where appropriate in efficiency estimates in the "second procedure," which employs categories of systems.

Irrigation Water Duties

pp. 101 through 125; pp. A-3 through A-65

The Salt River Project objects to DWR's estimation of water duty under both the "maximum annual" and "average efficient" methods. In the absence of decreed rights, which must be accepted by the court in the absence of abandonment, Arizona law requires that the extent of an appropriative right be measured according to the quantity of water that the appropriator diverted for beneficial use since the time of the appropriation. A.R.S. § 45-141.(B) ("Beneficial use shall be the basis, measure and limit to the use of water"). Neither the "maximum annual" or "average efficient" quantification methods employed by DWR properly estimate actual historic beneficial use as required by law.

Maximum Annual Quantification

The Salt River Project objects to DWR's estimates of maximum annual water duty since inaccurate crop irrigation requirements, low consumptive use crops or overly high efficiency estimates are used to calculate maximum annual water duty. An accurate estimate of maximum annual water duty is essential since that value will closely approximate the quantity of actual historic beneficial use. This objection applies to all irrigation (IR) and most recreation (RC) PWRs.

In addition, the Salt River Project objects to DWR's failure to report maximum annual water duties at all for other (OT) and some recreation-related (RC) irrigation uses. The maximum annual water duties for these uses must be reported by DWR for consideration by the Master in determining entitlements.

Average Efficient Quantification

The Salt River Project objects to DWR's reporting of average efficient water duties in WFRs for irrigation uses since the methodology and results are inconsistent with Arizona law. In determining average efficient water duties, DWR uses the Arizona Groundwater Code Method of "areas of similar farming conditions" (ASFC). The ASFC method assigns a weighted average consumptive use requirement to the water duty equation based upon the types of crops recently grown by appropriators in a designated area. Historic information or records evincing an individual claimant's actual cropping patterns and the quantities of water actually used to cultivate such crops since the time of appropriation are not considered. The use of the ASFC method to calculate water entitlements is objectionable for the following reasons.

First, the ASFC concept is entirely inconsistent with Arizona's doctrine of prior appropriation, which requires that the extent of an appropriator's water right be measured according to actual, rather than average, water use. Under the prior appropriation doctrine, an appropriator who has grown alfalfa on his property historically is entitled to a water duty that will support alfalfa, regardless of the crops that he or his neighbors are currently growing. Under DWR's "averaging" approach, an appropriator in this situation would be assigned an apparent entitlement inadequate to meet his needs.

Additionally, under the ASFC concept, the efficiency of various irrigation methods is averaged between appropriators, thus further exacerbating the inadequate water duty for the appropriator who does not have a system with above-average efficiency.

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IN THE SUPERIOR COURT OF THE STATE OF ARIZONA CO. SUPERIOR COURT IN AND FOR THE COUNTY OF APACHE DOCKETED 🗆

IN RE THE GENERAL ADJUDICATION OF ALL RIGHTS TO USE WATER IN THE LITTLE COLORADO RIVER SYSTEM AND SOURCE

RECOMMENDED FORM FOR OBJECTIONS TO THE

Hydrographic Survey Report for the Silver Creek Watershed

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No. 641MAY 28 1991	
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Please file a separate objection for each watershed file report. Objections to information contained in Volumes 1 & 2 can be stated on one objection form. Objections must be written. Use of this form is suggested. Objections must be received on or before May 29, 1991.

This Objection is directed to Watershed File Report No.

033-56 - ACAD - 008

(please insert no.)

OBJECTOR INFORMATION

Objector's Name:

United States of America

Objector's Address:

P.O. Box 607, Albuquerque, New Mexico 87103

Objector's Telephone No.:

(505) 766 - 1060

Objector's Watershed File Report No. (if the Objector's claimed water rights are located within the Silver

Creek Watershed):

033- 42 -088

Or Objector's Statement of Claimant No. (if the Objector's claimed water rights are located outside the Silver Creek Watershed):

39-

STATEMENT OF THE OBJECTION

The following are the main categories of the typical watershed file report (not all watershed file reports have all these categories). Please check the category(ies) of the watershed file report to which you object, and state the reason for the objection on the following page.

Please check

appropriate box(es)

- [xx] 1. I object to the description of Land Ownership
- [xx] 2. I object to the description of Applicable Filings and Decrees
- [xx] 3. I object to the description of DWR's Analysis of Filings and Decrees
- [xx] 4. I object to the description of the Diversions for the claimed water right(s)
- [xx] 5. I object to the description of the Uses for the claimed water right(s)
- I object to the description of Reservoirs used for the claimed water right(s) [xx] 6.
- I object to the description of Shared Uses & Diversions for the claimed water right(s) [] 7.
- [xx] 8. I object to the PWR (Potential Water Right) Summary of the claimed water right(s)
- [xxl 9. I object to the description of Quantities of Use for the claimed water right(s)
- [] 10. I object to the Explanation provided for the claimed water right(s)
- [] 11. Other Objections (please state volume number, page number and line number for each objection)

The reason for my objection is as follows (please number your objections to correspond to the boxes checked and please attach supporting information and additional pages as necessary):

CATEGORY NUMBER

SEE ATTACHED SHEET(S)

I hereby make this Obje	ction on this 28 day o	of May , 199 1 . Signature of Objector
		FOR: United States of America
		(If in a representative capacity)
Objection and know the conte	// // // // // // // // // // // // //	pleted by Objector) his proceeding; that I have read the contents of the foregoing mation contained in the foregoing Objection is true based on my own ction which are indicated as teing known to the printornation and
	SUBSCRIBED AND SW	ORN to before me this 28 day of May , 1991.
~ .*.		Theresa (7: 1 blson
		Notary Public for the State of New Mexico
*	{SEAL}	Residing at Man Albuquerque
	•	My commission expires / 10/3/93
need to be	completed if you object to an object to an object an Obj	CATE OF MAILING nother Claimant's watershed file report. Does not bjection to your own watershed file report or to 2 of the Hydrographic Survey Report.)

03356ACAD008

I hereby certify that a copy of the foregoing Objection was served upon the following Claimant(s) by mailing true and correct copies thereof on the 28th day of May, 1991, postage prepaid and addressed as follows:

PRTERSON, JUDY P.O. BOX 453 PINETOP AZ 85935

(Signature of Objector or person mailing in Objector's behalf)

Objections must be filed with the Clerk of the Superior Court in and for Apache County, Apache County Courthouse, P.O. Box 365, St. Johns, AZ 85936, on or before May 29, 1991. This means that the Objection must be received at the Clerk's office no later than 5:00 p.m. on Wednesday, May 29, 1991.

WFR #: 033-56-ACAD-008

- 1. The claimant is not the landowner. There is no documentation presented that the claimant has the legal right to provide water to the property.
- 2. There is no legal basis for current water use since the landowner did not file her own Statement of Claimant.

The adjudication and pre-adjudication filings (made by others) do not claim Peterson Tank as a point of diversion. Therefore, water cannot legally enter the irrigation system to serve this property.

There is no distinct breakout between storage rights and direct flow rights relative to priority date and quantity of use.

3. The pre-adjudication and adjudication filings made by others for this property do not provide a basis for delivering water directly to IR1. Further, these landowners did not submit their own Statement of Claimant, and current uses are invalid.

Storage rights must be separated out from direct flow rights.

- 4. Source of water supply is not defined in sufficient detail. The claimed water source below the noted springs is not supported by historic use.
- 5. There is no detailed legal description of the actual irrigated use areas associated with this property compared to the overall service area identified in filing 39-86831. The landowner did not submit her own Statement of Claimant specifically for this property, and current uses have no legal foundation.

There is no distinction made as to what lands are served from direct flow or storage.

- 6. This landowner made no adjudication filing for water out of the springs or Peterson Tank, so no water right can be awarded. Peterson Tank has a priority date not earlier than 1970.
- 8. The landowner is not part of any official irrigation company and did not make her own adjudication filing. Current uses are, therefore, invalid. Applicable pre-adjudication filings (made by others) do not support a water right or point of diversion for Peterson Tank.

There is no distinction between storage rights and direct flow rights for this property.

9. The average efficient water duty of 5.5 acre-ft/acre estimated by ADWR is unreasonable. The maximum annual water duty estimated for individual landowner by ADWR is too high. Water duty should be 2.8 acre-ft/acre.

6417-033-03384

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA **APACHE CO. SUPERIOR COURT**

IN AND FOR THE COUNTY OF APACHE

IN RE THE GENERAL ADJUDICATION OF ALL RIGHTS TO USE WATER IN THE LITTLE COLORADO RIVER SYSTEM AND SOURCE

FILED DOCKETED 🗗 No. 6417 MAY 29 1991

RECOMMENDED FORM FOR OBJECTIONS TO THE

Hydrographic Survey Report for the Silver Creek Watershed

_o viluidh _ 1:450 M. RICHARD D. LUPKE, CLERK DEPUTY

Please file a separate objection for each watershed file report. Objections to information contained in Volumes 1 & 2 can be stated on one objection form. Objections must be written. Use of this form is suggested. Objections must be received on or before May 29, 1991

This Objection is directed to Watershed File Report No.			03356 - <u>ACAD</u> - <u>008</u> (please insert no.)				
		0	BJECTOR INFORMATION				
•			rizona State Land Department				
			1616 West Adams				
Object	tor's	Telephone No.: (noenix, Arizona 85007 602) 542-3500				
-		•	bjector's claimed water rights are located within the Silver Creek Water-				
shed):			_••				
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Or Obje	ecto		jector's claimed water rights are located outside the Silver Creek Watershed):				
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		STA	TEMENT OF THE OBJECTION				
on the Please c appropri:	foll check	lowing page. k	atershed file report to which you object, and state the reason for the objection				
X 2	2.	I object to the description of Applic	able Filings and Decrees				
□ з	3,	object to the description of DWR's Analysis of Filings and Decrees					
□ 4	4.	l object to the description of the Diversions for the claimed water right(s)					
□ 5	5.	l object to the description of the Uses for the claimed water right(s)					
□ 6	6.	I object to the description of Reservoirs used for the claimed water right(s)					
□ 7	7.	I object to the description of Shared Uses & Diversions for the claimed water right(s)					
□ 8	3.	I object to the PWR (Potential Water Right) Summary of the claimed water right(s)					
□ 9	9.	I object to the description of Quantities of Use for the claimed water right(s)					
□ 10	o.	l object to the Explanation provided for the claimed water right(s)					
□ 11	1.	Other Objections (please state volume	me number, page number and line number for each objection)				

Ä	The reason for my objection is as follows (please number you please attach supporting information and additional pages	ur objections to correspond to the boxes checked above; as necessary):
CATEGORY NUMBER	Y	
	The amount of water claimed is excessive.	
 ,		
		,
		,
I hereby	by make this Objection on this <u>24th</u> day of <u>May</u> ,199	STATE LAND COMMISSIONER Signature of Objector
		FOR: STATE OF ARIZONA (State Land Department (If in a representative capacity)
STATE	OF ARIZONA	
	TY OF MARICOPA (Must be completed by Obje	and a
Objectio my own	re under penalty of perjury that I am a claimant in this proc on and know the contents thereof; and that the information personal knowledge, except for those portions of the Objection lief and, as to those portions, I believe them to be true.	contained in the foregoing Objection is true based on which are indicated as being known to me on information STATE LAND COMMISSIONER
	ϵ	Signature of Objector
	SUBSCRIBED AND SWORN to before me this 2	4th day of May 1991. Margaret L. Blocato
	Margaret L. Brocato	Notary Public for the State ofARIZONA
	(SEAL) Notary Public - State of Arizona MARICOPA COUNTY My Comm. Expires April 14, 1995	Residing at 1616 W. Adams, Phoenix, Arizona 85007 My commission expires
	CERTIFICATE OF MAI (Must be completed if you object to another Cla Does not need to be completed if you file an Ob file report or to information contained in Volumes 1 Report.)	aimant's watershed file report. jection to your own watershed
l hereby copies ti	y certify that a copy of the foregoing Objection was served upon the day of $\underline{\text{May}}$ 199 $\underline{1}$	on the following Claimant(s) by mailing true and correct , postage prepaid and addressed as follows:
Name:	Judy Peterson	
Address:		
	Pinetop Arizona 85935	
	Cas	col B. Lev
	(Signature o	f Objector or person mailing in Objector's behalf)

Objections must be filed with the Clerk of the Superior Court in and for Apache County, Apache, County Courthouse, P. O. Box 365, St. Johns, AZ 85936, on or before May 29, 1991. This means that the Objection must be received at the Clerk's office no later than 5:00 p.m. on Wednesday, May 29, 1991.

Stanley M. Pollack (S.B. No. 011046) Navajo Nation Department of Justice P.O. Drawer 2010 Window Rock, AZ 86515 Attorneys for THE NAVAJO NATION Reid Peyton Chambers Sonosky, Chambers, Sachse & Endreson 5 | 1250 Eye Street, N.W., Suite 1000 Washington, D.C. 20005 Attorneys for THE HOPI TRIBE Jeanne S. Whiteing Whiteing & Thompson 1136 Pearl Street, Suite 203 Boulder, CO 80302 Attorneys for THE SAN JUAN SOUTHERN PAIUTE TRIBE

NO. 4 SUPERIOR COURT DOCKETED ET MAY 2 8 1991

AT O'CLOCK 4.509 M.
RICHARD D. LUPKE, CLERK

FOR THE SILVER CREEK

WATERSHED

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA

IN AND FOR THE COUNTY OF APACHE

IN RE THE GENERAL ADJUDICATION
OF ALL RIGHTS TO USE WATER IN
THE LITTLE COLORADO RIVER
SYSTEM AND SOURCE

THE NAVAJO NATION, THE
HOPI, TRIBE, THE SAN JUAN
SOUTHERN PAIUTE TRIBE WITH
ALL OBJECTIONS SUBMITTED
BY THE UNITED STATES TO THE
HYDROGRAPHIC SURVEY REPORT

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<u>Descriptive Summary</u>: The Navajo Nation, the Hopi Tribe, and the San Juan Southern Paiute Tribe (Tribes) join in, concur with, and adopt the Statements of Objection for all Watershed File Reports submitted by the United States.

Statement of Claimant Numbers: Not Applicable.

Date of Filing: May 29, 1991.

Number of Pages: 2 (Excluding Exhibit).

THE NAVAJO NATION, THE HOPI TRIBE, and THE SAN JUAN SOUTHERN PAIUTE TRIBE join in, concur with, and adopt the

1 Statements of Objection for all Watershed File Reports submitted 2 by the United States, as though each Tribe had submitted said bbjection on its own behalf. Respectfully submitted this 28th day of 4 5 6 Stanley M./ Follack, Attorney for THE NAVAJO NATION Navajo Nation Department of Justice 7 P.O. Drawer 2010 8 Window Rock, AZ 86515 (602) 871-6931 9 10 Reid Peyton Chambers, Attorney for 11 THE HOPI TRIBE Sonosky, Chambers, Sachse & Endreson 12 1250 Eye Street, N.W., Suite 1000 Washington, D.C. 20005 13 (202) 682-0240 14 15 Jeanne S. Whiteing, Attorney for THE SAN JUAN SOUTHERN PAIUTE TRIBE 16 Whiteing & Thompson 1136 Pearl Street, Suite 203 17 Boulder, CO 80302 (303) 444-2549 18 Copies of the foregoing were served upon each claimant to 20 which an objection was filed by the United States. Service was made by attaching a copy of this pleading to the objections served on each claimant by the United State 23

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