

**IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA**

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

Contested Case File: W111002783

**MANDATORY FORM FOR OBJECTIONS TO
The Hydrographic Survey Report for
The San Pedro River Watershed**

Please file a separate objection for each Watershed File Report, Zone 2 Well Report or Catalogued Well Report. Objections to information contained in Volume 1 of the HSR can be stated on one objection form. Objections must be written. Use of this form or a computer facsimile, is required. Objections must be received on or before May 18, 1992. Objections must be filed with the Clerk of the Superior Court in and for Maricopa County, Maricopa County Courthouse Annex, 3345 W. Durango Street, Phoenix, AZ 85009.

92 MAY 12 AM 10:04
FILED
BY JUDITH ALLEN, CLERK
DEP

This objection is directed to Watershed File Report or Zone 2 Well Report No. 113-14-AA-001 or Catalogued Well No. _____
(please insert no.) (please insert no.)

OBJECTOR INFORMATION

Objector's Name: United States of America	Co-Objector's Name: Gila River Indian Community c/o Cox & Cox	Co-Objector's Name: San Carlos Apache Tribe; Tonto Apache Tribe; Yavapai-Apache Indian Community; Camp Verde Reservation c/o Sparks & Siler, P.C.
Objector's Address: 601 Pennsylvania Ave. Washington, D.C. 20004	Co-Objector's Address: Suite 300 Luhrs Tower Phoenix, AZ 85003	Co-Objector's Address: 7503 First Street Scottsdale, AZ 85251
Objector's Telephone No.: (202) 272-4059 / 272-6978	Co-Objector's Telephone No.: (602) 254-7207	Co-Objector's Telephone No.: (602) 949-1998
Objector's Watershed File Report or Zone 2 Well Report No. (if the Objector's claimed water rights are within the San Pedro River Watershed): 111-19-009		

Or Objector's Catalogued Well Number (if the Objector's claimed water rights appear only in Volume B of the HSR):

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

39-11-05478	39-05-41142	39-07-12652	39-07-12676	39-05-50058	39-07-12169
39-U8-60083	39-L8-36340	39-L8-37360	39-U8-63614	39-07-12675	39-05-50059

STATE OF ARIZONA
COUNTY OF MARICOPA

I hereby make this Objection. I certify that, if required, a copy of the foregoing Objection was served upon the following Claimant(s) by mailing true and correct copies thereof on the 18th day of May, 1992, postage prepaid and addressed as follows:

Name: 113-14-AA-001
WOODLING, REESOR G.
Address: 5970 E. SAN LEANDRO DRIVE
TUCSON AZ 85715

(The above section must be completed if you object to another claimant's Watershed File Report, Zone 2 Well Report, or Catalogued Well Report. It does not need to be completed if you file an objection to your own Watershed File Report, Zone 2 Well Report, Catalogued Well Report, or to information contained in Volume 1 of the Hydrographic Survey Report.)

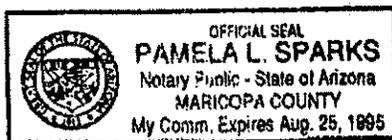
VERIFICATION(must be completed by objector)

I declare under penalty of perjury that I am a claimant in this proceeding or the duly-authorized representative of a claimant; that I have read the contents of this Objection (both sides and any attachments) and know the contents thereof; and that the information contained in the Objection is true based on my own personal knowledge, except those portions of the Objection which are indicated as being known to me on information and belief and, as to those portions, I believe them to be true.

Gary B. Randall
Signature of Objector or Objector's Representative
Alfred S. Cox
Signature of Co-Objector or Co-Objector's Representative
Joe Sparks
Signature of Co-Objector or Co-Objector's Representative

SUBSCRIBED AND SWORN to before me this 17 day of May, 1992.

Pamela L. Sparks



12

STATEMENT OF THE OBJECTION

The following are the main categories of the typical Watershed File Report (Zone 2 Well Reports and some Watershed File Reports lack certain categories). Please check the category(ies) to which you object, and state the reason for the objection on the back of this form.

- 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 Diversions for the claimed water right(s).
- 5. I object to the description of 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).
- 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, page and line number for each objection).

REASON FOR OBJECTION

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

- 2. The claimant and/or ADWR fail(s) to associate this claim with a pre-adjudication water filing as required by Arizona statute. (SM 420) (W01; W02; W03; W04; W09)

The available historical record does not support the priority date listed in the adjudication filings. (SM 478) (IR002; IR008; IR005)

Adjudication filings associated with this WFR contain inaccurate or incomplete information. (SM 478)

The use of water listed under this Watershed File Report is challenged because it interferes with downstream federal reserved rights and is contrary to state and federal law. (SM 560)

One or more of the filings or pre-filings as reported in this WFR is missing a place of use legal description. (SM 720) (3900036490000; 3900036530000; 3900036600000; 3900036610000; 3900036760000; 3900036790000)

The claimant associated with this Watershed File Report has expanded that claimed volume without providing documentation to support such expansion. (SM 750)

There is no quantity amount listed for a pre-filing and/or filing under this WFR. (SM 1000) (1002073551100; 3600209070000)

- 3. Adjudication filings associated with this WFR contain inaccurate or incomplete information. (SM 478)
- 8. The claimant and/or ADWR fail(s) to associate this claim with a pre-adjudication water filing as required by Arizona statute. (SM 420) (W01; W02; W03; W04; W09).

The use of water listed under this Watershed File Report is challenged because it interferes with downstream federal reserved rights and is contrary to state and federal law. (SM 560)

The legal description for the point of diversion listed by ADWR is not fully supported by the applicable filings listed. (SM 623) (W01; W02; W03; W04; W07; W08; W09; W10; W11)

The legal description for the place of use of a potential water right listed by ADWR is not fully supported by applicable filings. (SM 720) (IR001000; IR001002; IR002000; IR002001; IR003000; IR003001; IR003002; IR003003; IR004000; IR004001; IR005000; IR005001; IR005002; IR006000; IR007002; IR007003; IR007004; IR007005; IR008000; IR008001; IR008002; IR009000; IR009001; IR009002; IR009003; IR010000; IR010001; IR010002; IR010003; IR011000; IR011002; IR012000; IR012001; IR014000; SR001000; SR003000; SR005000; SR006000; SR008000)

The maximum observed volume is less than both the regional and claimed volume of use for this PWR. A claimant is not entitled to more water than has been put to beneficial use. (SM 1000)

The regional volume of use is less than both the claimed and maximum observed volume of use. This indicates that the water is being used inefficiently. The claimant is not entitled to the water that will be wasted. (SM 1000)

9. The claimant associated with this Watershed File Report has expanded that claimed volume without providing documentation to support such expansion. (SM 750)

The maximum observed volume is less than both the regional and claimed volume of use for this PWR. A claimant is not entitled to more water than has been put to beneficial use. (SM 1000)

The regional volume of use is less than both the claimed and maximum observed volume of use. This indicates that the water is being used inefficiently. The claimant is not entitled to the water that will be wasted. (SM 1000)

ADWR uses a methodology that over-estimates crop water requirements. (SM 1020)

LB

9-2-261

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA

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

No. W1,W2,W3 & W4
W1-11-002783

MANDATORY FORM FOR OBJECTIONS TO
The Hydrographic Survey Report for
The San Pedro River Watershed

Please file a separate objection for each Watershed File Report, Zone 2 Well Report or Catalogued Well Report. Objections information contained in Volume 1 of the HSR can be stated on one objection form. Objections must be written. Use of this form or a computer facsimile, is required. Objections must be received on or before May 18, 1992.

92 MAY 11 PM 1:25
FILED
BY JUDITH ALLEN, CLERK
DEP

This objection is directed to Watershed
File Report or Zone 2 Well Report No. 113 . 14 . AA . 001
(please insert no.)

or Catalogued Well No. _____
(please insert no.)

OBJECTOR INFORMATION

Objector's Name: ASARCO Incorporated (1263)
Objector's Address: P.O. Box 8, Hayden, AZ 85235
Objector's Telephone No.: (602) 356-7811

The names, address and telephone number of Objector's attorneys are on the Attachment hereto.

Objector's Watershed File Report or Zone 2 Well Report No. (if the Objector's claimed water rights are within the San Pedro River Watershed):

114 . 01 . XXXX . 005 et al. ✓

Or Objector's Catalogued Well Number (if the Objector's claimed water rights appear only in Volume 8 of the HSR):

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

39 - _____

STATE OF ARIZONA

VERIFICATION (must be completed by objector)

COUNTY OF Maricopa

I hereby make this Objection. I certify that, if required, a copy of the foregoing Objection was served upon the following Claimant(s) by mailing true and correct copies thereof on the 11th day of May, 1992, postage prepaid and addressed as follows:

Name: Woodling, Reesor G.
Address: 5970 E. San Leandro Drive
Tucson, AZ 85715

(The above section must be completed if you object to another claimant's Watershed File Report, Zone 2 Well Report, or Catalogued Well Report. It does not need to be completed if you file an objection to your own Watershed File Report, Zone 2 Well Report, Catalogued Well Report; or to information contained in Volume 1 of the Hydrographic Survey Report.)

I declare under penalty of perjury that I am a claimant in this proceeding or the duly-authorized representative of a claimant; that I have read the contents of this Objection (both sides and any attachments) and know the contents thereof; and that the information contained in the Objection is true based on my own personal knowledge, except those portions of the Objection which are indicated as being known to me on information and belief and, as to those portions, I believe them to be true.

Berta M. Cohen
Signature of Objector or Objector's Representative
Authorized Attorney

SUBSCRIBED AND SWORN to before me this 11th day of May, 1992.

Marianne Duncan Shippie

Notary Public for the State of Arizona

Residing at Phoenix, Maricopa County

My commission expires July 17, 1994

Objections must be filed with the Clerk of the Superior Court in and for Maricopa County, Maricopa County Courthouse Annex, 3345 W. Durango Street, Phoenix, AZ 85009, on or before May 18, 1992.

E

Attachment to Objection re Woodling, Reesor G., WFR #
113-14-AA-001

4, 8

& 11. ASARCO objects to the inclusion of groundwater in this Adjudication because groundwater is neither appropriable under Arizona law (Uniform Objection Code Nos. 500, 510, 1120 and 1132), nor is it subject to claims based on federal law (Uniform Objection Code Nos. 561, 562, 1120 and 1134). In addition, this objection is intended to preserve these issues until such time as each is resolved by the Arizona Supreme Court. (Uniform Objection Code No. 1130) While this objection pertains to a specific Watershed File Report ("WFR"), ASARCO is objecting to each WFR that classifies a well as a "Zone 1 Well" or otherwise employs the "50% - 90 day standard" to create a presumption of a well's diversion of appropriable surface water. With respect to this particular WFR, ASARCO presently believes that the subject well(s) is/are taking nonappropriable groundwater not subject to the Gila Adjudication. However, should it be determined that the well(s) is/are taking appropriable surface water, ASARCO objects to such use where such taking is a diversion of surface water without an appropriative right under state law and/or is interfering with the water rights of ASARCO. (Uniform Objection Code Nos. 600, 610 and 1150) ASARCO is also filing this objection to obtain notice and an opportunity to be heard on all issues in the event that claims to the groundwater referenced in claimant's WFR are adjudicated.

ASARCO objects to the inclusion of groundwater in this Adjudication because groundwater is not subject to claims based on federal law (Uniform Objection Code Nos. 561, 562 and 1134). In addition, this objection is intended to preserve this issue until such time as it is resolved by the Arizona Supreme Court. (Uniform Objection Code No. 1130) While this objection pertains to a specific Zone 2 Well Report number ("Zone 2 Report"), ASARCO is objecting to each Zone 2 Report that classifies a well as a "Zone 2 Well", that extends federal reserved rights to groundwater pumped from the Zone 2 Well(s), or that otherwise creates a presumption that groundwater withdrawals from the well(s) significantly affect federal reserved rights. With respect to this particular Zone 2 Report, ASARCO presently believes that groundwater withdrawn from the subject well(s) does not significantly diminish water otherwise available to a federal reservation and therefore is not subject to the Gila Adjudication. However, should it be determined that groundwater withdrawn from the well(s) does significantly diminish water otherwise

Continuation of Attachment to Objection re Woodling, Reesor G.,
WFR # 113-14-AA-001

available to a federal reservation, ASARCO objects to such use where such groundwater withdrawal interferes with paramount water rights of ASARCO. (Uniform Objection Code Nos. 1135, 1136 and 1150) ASARCO is also filing this objection to obtain notice and an opportunity to be heard on all issues in the event that claims to the groundwater referenced in claimant's Zone 2 Report are adjudicated.

Attorneys for Objector:

Burton M. Apker, Id. No. 001258
Gerrie Apker Kurtz, Id. No. 005637
APKER, APKER, HAGGARD & KURTZ, P.C.
2111 E. Highland, Suite 230
P.O. Box 10280
Phoenix, Arizona 85064-0280
(602) 381-0085

IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA

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

No. W1, W2, W3 & W4
Contested Case No. W1-11-002783

MANDATORY FORM FOR OBJECTIONS TO
The Hydrographic Survey Report for the
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Please file a separate objection for each Watershed File Report, Zone 2 Well Report or Catalogued Well Report. Objections to information contained in Volume 1 of the HSR can be stated on one objection form. Objections must be written. Use of this form, or a computer facsimile, is required. Objections must be received on or before May 18, 1992.

This objection is directed to Watershed
File Report or Zone 2 Well Report No.

113-14-AA -001
(please insert no.)

or Catalogued Well No.
9
(please insert no.)

JUDITH ALLEN CLERK
DEP
92 MAY 11 AM 11:00
FILED

OBJECTOR INFORMATION

Objector's Name: Salt River Project
Objector's Address: Post Office Box 52025
Phoenix, Arizona 85072-2025
Objector's Telephone No: (602) 236-2210

Objector's Watershed File Report or Zone 2 Well Report No. (if the Objector's claimed water rights are within the San Pedro River Watershed):

Or Objector's Catalogued Well Number (if the Objector's claimed water rights appear only in Volume 8 of the HSR):

Or Objector's Statement of Claimant No. (if the Objector's claimed water rights are located outside the San Pedro Watershed):
39-07 01040, 01041, 01206, 01207, 01998
39-05 50053, 50054, 50055
39-L8 35212, 35213

STATE OF Arizona
COUNTY OF Maricopa

VERIFICATION (must be completed by objector)

I hereby make this Objection. I certify that, if required, copy of the foregoing Objection was served upon the following Claimant(s) by mailing true and correct copies thereof on the 14th day of May, 1992, postage prepaid and addressed as follows:

Name: WOODLING, REESOR G.
Address: 5970 E. SAN LEANDRO DRIVE
TUCSON, AZ 85715

I declare under penalty of perjury that I am a claimant in this proceeding or the duly-authorized representative of a claimant; that I have read the contents of this Objection (both sides and any attachments) and know the contents thereof; and that the information contained in the Objection is true based on by own personal knowledge, except those portions of the Objection which are indicated as being known to me on information and belief and, as to those portions, I believe them to be true.

David C. Roberts
Signature of Objector or Objector's Representative

(The above section must be completed if you object to another claimant's Watershed File Report, Zone 2 Well Report, or Catalogued Well Report. It does not need to be completed if you file an objection to your own Watershed File Report, Zone 2 Well Report, Catalogued Well Report, or to information contained in Volume 1 of the Hydrographic Survey Report.)

SUBSCRIBED AND SWORN to before me this 1st day of May, 1992.

Linda Jepperson
Notary Public for the State of Arizona

Residing at Maricopa County

My commission expires _____



Objections must be filed with the Clerk of the Superior Court in and for Maricopa County, Maricopa County Courthouse Annex, 3345 W. Durango Street, Phoenix AZ 85009, on or before May 18, 1992.

STATEMENT OF THE OBJECTION

The following are the main categories of the typical Watershed File Report (Zone 2 Well Reports and some Watershed File Reports lack certain categories). Please check the category(ies) to which you object, and state the reason for the objection on the back of this form.

- 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)
- 5. 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)
- 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)

REASON FOR OBJECTION

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

CATEGORY
NUMBER

SEE ATTACHMENT 1

In this attachment the uniform code designated by the
Special Master in accordance with Case Management
Order No. 1 is shown in parenthesis following each
objection statement.

ATTACHMENT 1

WFR CATEGORY 8 - PWR SUMMARY

The Salt River Project objects to the apparent date of first use assigned to this Potential Water Right (PWR). Previous filings, particularly notices of appropriation, are the evidentiary foundation for the date of priority associated with a water right. Where a notice of appropriation and one or more Water Rights Registration Act filings have been matched to the same PWR but suggest different dates of priority, the date evidenced by the notice should form the basis for the apparent date of first use, unless sufficient historical evidence indicates a contrary date.

The Watershed File Report (WFR) fails to articulate sufficient historical evidence to refute the priority date evidenced by the notice of appropriation matched to this PWR. In the absence of such evidence, the apparent date of first use assigned to this PWR should be the date evidenced by the notice (0920). This objection applies to: IR009.

* * * *

The Salt River Project objects to the apparent date of first use assigned to this Potential Water Right (PWR). Previous filings, particularly notices of appropriation, are the evidentiary foundation for the date of priority associated with a water right. The Watershed File Report fails to set forth sufficient historical evidence to refute the priority date evidenced by the notice of appropriation matched to this PWR. In the absence of such evidence, the apparent date of first use should be the date evidenced by the notice (0920). This objection applies to: IR004, IR006 and IR010.

* * * *

WFR CATEGORY 8 - PWR SUMMARY (continued)

The Salt River Project objects to the absence of an apparent date of first use for this Potential Water Right (PWR). Previous filings, where available, are the evidentiary foundation for the date of priority associated with any water right. This PWR has been matched to a Water Rights Registration Act (WRRRA) filing. The date claimed in the WRRRA filing should form the basis for the apparent date of first use, unless sufficient historical evidence indicates a contrary date.

The Watershed File Report fails to articulate sufficient historical evidence to refute the priority date claimed in the WRRRA filing matched to this PWR. In the absence of such evidence, the apparent date of first use assigned to this PWR should be the date claimed in the WRRRA filing (0910). This objection applies to: DM001.

* * * *

The Salt River Project objects to the weight placed upon aerial photography in determining the apparent date of first use for this Potential Water Right (PWR). Where DWR concludes that no use exists on a parcel as of a given photo date, it does not follow that a claimant either had no water right to start with or abandoned that right by nonuse. Scattered photos reflecting occasional periods of nonuse over a fifty-year time span should not be interpreted by DWR to refute the priority date or dates evidenced by a claimant's previous filings (0910). This objection applies to: IR004, IR006, IR009 and IR010.

WFR CATEGORY 9 - QUANTITIES OF USE

The Salt River Project objects to the lack of specificity of the quantity of use assigned to this storage Potential Water Right (PWR). The Watershed File Report fails to indicate whether the volumetric quantity assigned to this PWR implies a continuous fill, one fill per year, or one fill only. Unless evidence from previous filings, or other sufficient historic evidence, indicates a clear intention to the contrary, the quantity of use assigned to a storage PWR should be sufficient to permit continuous filling of the storage reservoir (1050). This objection applies to: SR001, SR002, SR003, SR004, SR005, SR006, SR007 and SR008.

* * * *

WFR CATEGORY 9 - QUANTITIES OF USE (continued)

The Salt River Project objects to the quantities of use assigned to this Potential Water Right (PWR). The maximum observed and regional methods used by DWR for determining quantities of use for certain agricultural irrigation PWRs are inconsistent with the Arizona doctrine of prior appropriation; these methods are also technically inaccurate. The maximum potential method used by DWR for determining quantities of use is consistent with Arizona law; however, several technical corrections are necessary. For an additional discussion of the problems associated with DWR's methods of quantification for this type of PWR, 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 (1020). This objection applies to: IR001, IR002, IR003, IR004, IR005, IR006, IR007, IR008, IR009, IR010, IR011, IR012, IR013 and IR014.

* * * *

The Salt River Project objects to the failure of DWR to assign a quantity of use to this Potential Water Right (PWR). All water rights subject to the court's jurisdiction must be quantified in accordance with A.R.S. § 45-257(B). This PWR is no exception (1010). This objection applies to: DM001.

* * * *

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 conveyance losses (1010). This objection applies to: DM001, IR001, IR002, IR003, IR004, IR005, IR006, IR007, IR008, IR009, IR010, IR011, IR012, IR013, IR014, SR001, SR002, SR003, SR004, SR005, SR006, SR007 and SR008.

**EXCERPT FROM
SALT RIVER PROJECT OBJECTIONS TO
VOLUME 1 OF THE SAN PEDRO RIVER 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, the Salt River Project objects to DWR's estimation of water duty under both the "maximum observed" and "regional" 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 observed" or "regional" quantification methods employed by DWR properly estimate maximum actual historical beneficial use as required by law.

The Salt River Project supports DWR's estimation of water duty using the "maximum potential" method since, in the absence of sufficient historical records, this method properly estimates maximum actual historical beneficial use.

Second, DWR's method to compute maximum observed water duty does not accurately estimate maximum actual historical beneficial use since it incorporates inaccurate crop irrigation requirements, deficit irrigation, five years or less of crop history, or overly high efficiency estimates.

Third, although DWR has developed new terminology in reporting regional water duties, DWR still uses the Arizona Groundwater Code method of "areas of similar farming conditions" (ASFC), now termed "regional farming conditions" (RFC). The RFC 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. Historical 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. In fact, the Court noted that "[average efficient use] is not directly related to what is the property's water right[s] . . ." (Entitlement Order at 6). 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 crop needs.

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

Fourth, there are a number of technical errors in DWR's calculation of crop consumptive use including the use of a five year crop history, adjusted weather data, relative humidity, growing season, effective precipitation, crop coefficients, alfalfa stand establishment, deficit irrigation, and efficiency estimates.

Five Year Crop History

pp. 146-151, C-18, C-19, C-68 through C-78

The Salt River Project objects to DWR's use of its five year investigation period for computing acreages irrigated for maximum observed quantification and for computing crop irrigation water requirements for both maximum observed and regional quantifications. Indeed, it appears that DWR has relied heavily on a single year (1990) of crop survey data. The information developed from a single year, or five year period, cannot be used to properly estimate actual historical beneficial use since low consumptive use crops or no crop may be present during the period. Thus, historical cropping practices or completion of a crop rotation are not reflected.

Adjusted Weather Data

pp. C-6 through C-19

The Salt River Project objects to DWR's adjustment of weather station temperatures from recorded values and relative humidities from estimated values. The temperature and relative humidity adjustment procedure is intended for prediction of crop water requirements for large, new irrigation developments where the current observations are from a nearby non-irrigated area. Because of the "clothesline" configuration of San Pedro irrigated areas in relation to the extremely arid surrounding environment, it is extremely doubtful there is any moderating effect due to surrounding irrigated land or to the San Pedro River.

Relative Humidity

pp. C-9, C-17, C-25, C-29, C-34, C-92

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. Minimum relative humidity is not reported by Sellers and Hill. Furthermore, their 6 p.m. (1800 hours) data must be adjusted downward to reflect lower humidity in mid-afternoon. The proper publication date for Arizona Climate, 1931-1972, by Sellers and Hill, is 1974.

Growing Season

pp. C-20, C-24

The Salt River Project objects to DWR's use of field observations during one or just a few years to estimate the length of growing season for perennial crops. A few field observations of irrigation dates do not define the water use period because water use occurs both before and after irrigation and because growing seasons vary from year to year. Growing seasons can best be determined for perennial crops by a relationship between plant growth and mean temperature or mean date of low temperatures over an extended period of record.

Effective Precipitation

pp. C-38, C-40 through C-49

The Salt River Project objects to DWR's method of estimating non-growing season effective precipitation. The procedure used neglects runoff, uses soil constant values that are highly variable and not well quantified, and is unclear about assumptions of initial soil moisture conditions for each month. Published methods can be used to estimate non-growing season effective precipitation for the winter months, the relevant period for most crops. 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.

Crop Coefficients

p. C-33

The Salt River Project objects to DWR's use of 0.8 as the kc for Winter Pasture. Winter Pasture is a cool-season grass mixture that has a higher crop coefficient than a warm-season grass. SRP also objects to DWR's use of the mean of kc1 and kc3 as a value for kc2, instead of interpolation. Both FAO-24 and University of California Leaflet 21427 specify interpolation.

Alfalfa Stand Establishment

p. C-37

The Salt River Project objects to DWR's failure to include water for alfalfa stand establishment as an "Other Need."

Deficit Irrigation

pp. C-4, C-5, C-54 through C-68

The Salt River Project objects to DWR's use of deficit irrigation values for the maximum observed quantification for water right entitlements. As noted above, maximum actual historical beneficial use is the proper measure of a water right entitlement, not current practice.

Efficiency Estimates

pp. 138-140, C-51 through C-54

The Salt River Project objects to DWR's omission of the effect of a rotation delivery system on On-Farm Irrigation Efficiency. A rotation delivery system reduces On-Farm Irrigation Efficiency below that which can be achieved if irrigation water is available on demand.

The Salt River Project also objects to DWR's use of average estimated values of irrigation efficiency for regional quantification. The use of average efficiencies understates entitlements for one-half of all irrigated acres on this basis alone.

**IN THE SUPERIOR COURT OF THE STATE OF ARIZONA
IN AND FOR THE COUNTY OF MARICOPA**

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

**MANDATORY FORM FOR OBJECTIONS TO
The Hydrographic Survey Report for
The San Pedro River Watershed**

No. W111002783

Please file a separate objection for each Watershed File Report, Zone 2 Well Report or Catalogued Well Report. Objections to information contained in Volume 1 of the HSR can be stated on one objection form. Objections must be written. Use of this form, or a computer facsimile, is required. Objections must be received on or before May 18, 1992.

This objection is directed to Watershed _____ or Catalogued Well No. _____
File Report or Zone 2 Well Report No. 11314AA 001
(please insert no.) (please insert no.)

JUDITH ALLEN, CLERK
 BY *[Signature]*
 FILED
 92 MAY 14 AM 6 19

OBJECTOR INFORMATION

Objector's Name: Gila River Indian Community San Carlos Apache Tribe; Tonto Apache Tribe; Yavapai-Apache Indian Community, Camp Verde Reservation
C/O Cox & Cox C/O Sparks & Siler, P.C.
Objector's Address: Suite 300 Luhrs Tower, P.O. Box 4245 7503 First Street
Phoenix, AZ 85030 Scottsdale, AZ 85251
Objector's Telephone: (602) 254-7207 (602) 949-1988

Objector's Watershed File Report or Zone 2 Well Report No. (if the Objector's claimed water rights are within the San Pedro River Watershed):

Or Objector's Catalogued Well Number (if the Objector's claimed water rights appear only in Volume 8 of the HSR):

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

39-11-05478	39-05-41142	39-07-12652	39-07-12676	39-05-50058	39-07-12169
39-U8-60083	39-L8-36340	39-L8-37360	39-U8-63614	39-07-12675	39-05-50059

STATE OF ARIZONA

VERIFICATION (must be completed by objector)

COUNTY OF MARICOPA

I hereby make this Objection. I certify that, if required, a copy of the foregoing Objection was served upon the following Claimant(s) by mailing true and correct copies thereof on the 18 day of May, 1992, postage prepaid and addressed as follows:

Name: WOODLING, REESOR G.
Address: 5970 E. SAN LEANDRO DRIVE
TUCSON AZ 85715

I declare under perjury that I am a claimant in this proceeding or the duly-authorized representative of a claimant; that I have read the contents of this Objection (both sides and any attachments) and know the contents thereof; and that the information contained in the Objection is true based on my own personal knowledge, except those portions of the Objection which are indicated as being known to me on information and belief and, as to those portions, I believe them to be true.

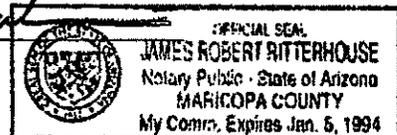
Alfred S. Cox

[Signature]

Signature of Objector or Objector's Representative

SUBSCRIBED AND SWORN to before me this 06 day of May 1992.

James R. Rutter
Notary Public for the State of Arizona



(The above section must be completed if you object to another claimant's Watershed File Report, Zone 2 Well Report, or Catalogued Well Report. It does not need to be completed if you file an objection to your own Watershed File Report, Zone 2 Well Report, Catalogued Well report: or to information contained in Volume 1 of the Hydrographic Survey Report.)

STATEMENT OF THE OBJECTION

The following are the main categories of the typical Watershed File Report (Zone 2 Well Reports and some Watershed File Reports lack certain categories). Please check the category(ies) to which you object, and state the reason for the objection on the back of this form.

- 1. I object to the description of Land Ownership
- X 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
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- 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)
- 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 unclaimed water right(s)
- 11. Other Objections (please state volume, page and line number for each objection)

Handwritten notes and scribbles, possibly including the number 1000.

REASON FOR OBJECTION

The reason for my objection is as follows (please number your objections to correspond to the boxes checked above; please attached supporting information and additional pages as necessary. The following objection(s) are based upon information and belief:

CATEGORY
NUMBER

- 4 The use of the water claimed depletes water for senior federal and Indian water rights (1150).
- 2 HSR does not show a well registration filing (420).
- 2 HSR does not show a claimed water use rate (1000).
- 2 HSR does not show a "38" filing (420).
- 4 This well takes water directly from the flow of the river under state standards (500) (532) (1132) (1137).

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File Report or Zone 2 Well Report No. 11314AA 001
(please insert no.) (please insert no.)

JUDITH ALLEN, CLERK
 FILED
 MAY 14 AM 1992

OBJECTOR INFORMATION

Objector's Name: Gila River Indian Community San Carlos Apache Tribe; Tonio Apache Tribe; Yavapai-Apache Indian Community, Camp Verde Reservoir
 C/O Cox & Cox C/O Sparks & Siler, P.C.
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- | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|
| 39-11-05478 | 39-05-41142 | 39-07-12652 | 39-07-12676 | 39-05-50058 | 39-07-12169 |
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STATE OF ARIZONA

VERIFICATION (must be completed by objector)

COUNTY OF MARICOPA

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 TUCSON AZ 85715

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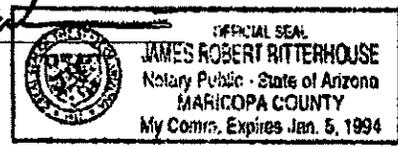
Alfred S. Cox

Joe Sparks

Signature of Objector or Objector's Representative

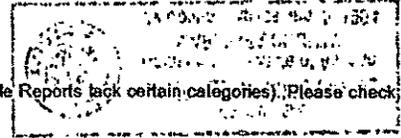
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 Notary Public for the State of Arizona



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CATEGORY
NUMBER

- 4 The use of the water claimed depletes water for senior federal and Indian water rights (1150).
- 2 HSR does not show a well registration filing (420).
- 9 HSR does not show a claimed water use rate (1000).
- 2 HSR does not show a quantity for pre-filing(s) (430).
- 2 Claim date from filing(s) and/or pre-filing(s) are inconsistent (478)(430).
- 2 Quantities from filing(s) and/or pre-filing(s) are inconsistent (478)(430).

STATEMENT OF THE OBJECTION

The following are the main categories of the typical Watershed File Report (Zone 2 Well Reports and some Watershed File Reports lack certain categories). Please check the category(ies) to which you object, and state the reason for the objection on the back of this form.

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11. Other Objections (please state volume, page and line number for each objection)

REASON FOR OBJECTION

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

CATEGORY NUMBER

2, 3 SEE ATTACHMENTS.

4, 5, 8

CASCABEL LAND AND CATTLE COMPANY'S ATTORNEYS:

ROBERT B. HOFFMAN

CARLOS D. RONSTADT

JEFFREY W. CROCKETT

c/o SNELL & WILMER

ONE ARIZONA CENTER

PHOENIX, ARIZONA 85004-0001

PHONE: (602) 382-6000

Prefatory Statement.

These objections are being filed by Reese G. Woodling, dba Cascabel Land and Cattle Company ("Cascabel").

Initially, Cascabel incorporates by reference its objections to Volumes I and IA of the San Pedro Hydrographic Survey Report, just as though each objection has been fully set forth herein. Specifically, and without limitation, Cascabel objects to the inclusion of groundwater rights within the scope of this Adjudication under the "brightline" theory set forth in Judge Goodfarb's order of September 9, 1988. Cascabel also objects on the basis that the withdrawal of groundwater from its wells does not significantly diminish the quantity of water available to satisfy downstream federal reserve rights.

Cascabel also reserves the right to supplement or amend these objections. Many of the issues upon which these objections are based will be subject to rulings of the Arizona Supreme Court entered in the pending interlocutory appeal of issues 2 through 6. (Objection code numbers 1130, 1132, 1133, 1134, 1135, 1136). Cascabel further reserves the right to object to each and every watershed file report, zone 2, well report or catalogued well report based upon subsequent rulings of the Arizona Supreme Court as may be entered in these interlocutory appeals.

ATTACHMENTS TO THE OBJECTIONS FILED BY
CASCABEL LAND AND CATTLE COMPANY
FOR ITS WATERSHED FILE REPORT NO. 113-14-AA-001

A. Cascabel objects to WFR No. 113-14-AA-001 in Vol. 5, Table-page 2-261 for the following reasons:

1. Cascabel objects to the inclusion of groundwater described in this WFR in this adjudication for the reason that such groundwater use is beyond this Court's subject matter jurisdiction in that it is neither appropriable surface water nor water subject to claims based on federal law. (See objection codes 500, 510, 520, 521, 561, 562, 112)

2. Cascabel objects to the characterization that certain groundwater from this WFR is groundwater from Zone 1 because there is no hydrological interconnection between the sources of Cascabel's groundwater described in this WFR and the San Pedro River. See objection codes referenced in paragraph 1.

3. Cascabel objects to the characterization that certain groundwater from this WFR is groundwater from Zone 2 because there is no hydrological interconnection between the sources of Cascabel's groundwater described in this WFR and the San Pedro River. See objection codes referenced in paragraph 1.

4. Cascabel objects to DWR's implication that Cascabel's groundwater right is quantified according to annual use. The right to withdraw groundwater is appurtenant to real property and, in the San Pedro River Watershed, governed by the doctrine of reasonable use. (1010)

5. Cascabel objects to the claim dates listed in this WFR for the statements of claim of right to use public waters of the state ("36 filings") filed by Cascabel. Recently, Cascabel amended many of the statements of claimant stating that when Cascabel had originally filed its pre-existing water rights, it was not aware various homestead documents existed and to that effect, was amending the claim date originally stated in certain pre-1919 water rights filings by virtue of the homestead documents. The San Pedro HSR should reflect the claim dates for these pre-1919 water rights filings as the actual date of first beneficial use identified on the amended statements of claimant applicable to this WFR. (900, 910, 920)

6. Cascabel objects to this WFR because the section stating "Apparent First Use Date" does not reflect the dates given in the amended statements of claimant filed by Cascabel. It appears that DWR relies heavily on aerial photography and Cascabel believes that DWR should rely more on homestead documents, survey notes, recorded documents, etc. rather than aerial photography for its basis for the apparent first use date. (900, 910, 920)

7. Cascabel objects to this WFR because Cascabel's groundwater wells in the San Pedro River Watershed have been registered in accordance with Arizona State law. To the extent that such registration information is applicable, it should be used as an applicable pre-filing or decree. (141, 142, 230, 405)

8. Cascabel objects to this WFR because it states that wells W01 through W11 are unnamed. The following is the name for each of these wells:

<u>Div. Number</u>	<u>Name of Well</u>
W01	South Field Irrigation Well
W02	Middle Pasture Stock Well
W03	Swimming Pool Well
W04	Bluff Pasture Irrigation Well
W05	Alfalfa Pasture Well
W06	East Kelsey
W07	Smith No. 1
W08	Smith House Well
W09	House Well
W010	Smith No. 2
W011	Smith No. 3

Cascabel objects to this WFR because PWR No. DM001 indicates that W08 and W09 are limited to domestic use when in fact W09 also covers stock watering. (810, 1070)

Cascabel objects to this WFR because the amended statement no. 39-3649 identifies filing no. 36-20921 as applying to it but DWR has failed to list filing no. 36-20921 in this WFR. (230, 405, 410)

Cascabel objects to this WFR because the amended statement of claimant no. 39-3669 identifies 36-20930 as applying to it, but DWR fails to list 36-20930 in this WFR. (230, 405, 410)

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