

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
W1-11-002708

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.

This objection is directed to Watershed _____ or Catalogued Well No. _____
File Report or Zone 2 Well Report No. 113 - 12 - DBC - 009
(please insert no.) (please insert no.)

OBJECTOR INFORMATION

Objector's Name: Magma Copper Company (1267) ASARCO Incorporated (1263)
Objector's Address: 7400 North Oracle Rd P.O. Box 8
Suite 200 Hayden, Arizona 85235
Tucson, Arizona 85704
Objector's Telephone No.: (602) 575-5600 (602) 356-7811

* The names, addresses and telephone numbers of Objectors' attorneys are on the back of this form.

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):
Magma Copper Company: 113-08-XXXX-022, et al.
ASARCO Incorporated: 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):
NOT APPLICABLE

Or Objector's Statement of Claimant No. (if the Objector's claimed water rights are located outside the San Pedro River Watershed):
39 - NOT APPLICABLE

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 forgoing 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 CRAWFORD, SR., NORMAN G.
and && BARBARA Y.
Address 626 W. BENTRUP ST.
CHANDLER, AZ 85224

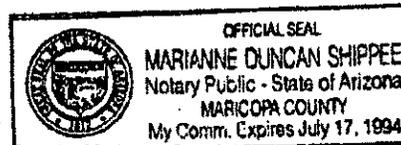
I declare under penalty of perjury that I am a claimant in this proceeding or the duly-authorized representative of a claimant; that I have read the contents of this Objection (both sides and any attachments) and know the contents thereof; and that the information contained in the Objection is true based 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.

Jeffrey W. Campbell
Signature of Objector's Representative (Magma)

Janie O'Brien King
Signature of Objector's Representative (ASARCO)

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

(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)



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.

92 MAY 11 PM 1:21
FILED
BY
JUDITH ALLEN, CLERK
DEP

0000001

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):

Category Number: 4, 8 and 11

Magma Copper Company ("Magma") and ASARCO Incorporated ("ASARCO") submit this objection as co-objectors.

Magma and ASARCO object 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"), Magma and ASARCO are 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, Magma and ASARCO presently believe 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, Magma and ASARCO object 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 Magma or ASARCO. (Uniform Objection Code Nos. 600, 610 and 1150)

Magma and ASARCO are 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.

Attorneys for Magma:

Robert B. Hoffman (004415)
Carlos D. Ronstadt (006468)
Jeffrey W. Crockett (012672)
SNELL & WILMER
One Arizona Center
Phoenix, Arizona 85004-0001

(602) 382 - 6000

Attorneys for ASARCO:

Burton M. Apker (001258)
Gerrie Apker Kurtz (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

Contested Case File: W111002708

**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.

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

113-12-DBC-009

or Catalogued Well No.

(please insert no.)

(please insert no.)

MAY 12 AM 9:30
 BY: *W. Allen*
 FILED
 JUDITH ALLEN, CLERK
 DEP

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 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
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: 113-12-DBC-009
CRAWFORD, SR., NORMAN G.
& BARBARA Y.
Address: 626 W. BENTRUP ST.
CHANDLER AZ 85224

(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

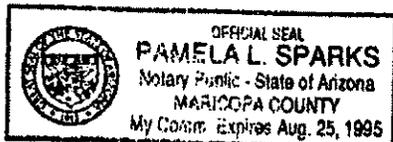
Signature of Co-Objector or Co-Objector's Representative

Joe Sparks

Signature of Co-Objector or Co-Objector's Representative

SUBSCRIBED AND SWORN to before me this 7 day of May, 1992.

Pamela L. Sparks



000002

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 Decreases.
- 3. I object to the description of DWR's Analysis of Filings and Decreases.
- 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)

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 point of diversion legal description. (SM 623) (4A00006990000)

One or more of the POU legal descriptions listed in the WFR is too general. (SM 720) (3900136690000)

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

The adjudication filing is challenged because it claims a use that has been discontinued. (SM 832)

- 4. According to ADWR, the Point of Diversion (POD) identified as serving the Places of Use (POU) under this WFR is currently inactive. The claimant and/or ADWR need(s) to provide information regarding the POD that provides water to the POU's. (SM 500)

The diversion is not associated with a POU. It may be unused, discontinued or not applicable and should not be assigned a water right. (SM 600)

- 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)

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)

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) (IR090000; IR090002)

One or more of the POU legal descriptions listed in the WFR is too general. (SM 720) (3900136690000)

All or part of the PWR has been idle for more than five years and therefore is not entitled to a water right. (SM 832)

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

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. W111002708

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.

92 MAY 13 AM 10:19
FILED
JUDITH ALLEN, CLERK
BY J. [Signature]

This objection is directed to Watershed _____ or Catalogued Well No. _____
File Report or Zone 2 Well Report No. 11312DBC 009 (please insert no.)
(please insert no.)

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 13th day of May, 1992, postage prepaid and addressed as follows:

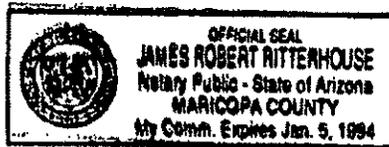
Name: CRAWFORD, JR., NORMAN G.
Address: 626 W. BENTRUP ST.
CHANDLER AZ 85224

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.

[Signature: Alfred S. Cox] [Signature: Joe Sparks]
Signature of Objector or Objector's Representative

SUBSCRIBED AND SWORN to before me this 6th day of May 1992.

[Signature: James R. Ritterhouse]
Notary Public for the State of Arizona



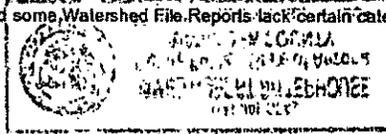
(The above section must be completed if you object to another claimant's Watershed File Report, Zone 2 Well Report, or Catalogued Well Report. It does not need to be completed if you file an objection to your own Watershed File Report, Zone 2 Well Report, Catalogued Well report; or to information contained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

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.

000003

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**
- X 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)
- X 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)

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).
- 9 HSR does not show a claimed water use rate (1000).
- 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).

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. W1-11-002708

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.

This objection is directed to Watershed
File Report or Zone 2 Well Report No. 113-12-DBC-009
(please insert no.)

or Catalogued Well No.
(please insert no.)

92 MAY 4 AM 11:27
FILED
AUDITH ALLEN, CLERK
DEP

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: CRAWFORD, SR., NORMAN G.
Address: 626 W. BENTRUP ST.
CHANDLER, AZ 85224

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

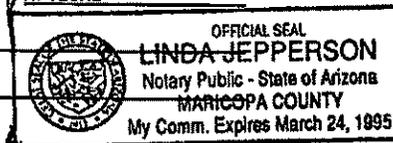
Signature of Objector or Objector's Representative

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 _____



(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.)

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.

h
000004

ATTACHMENT 1

WFR CATEGORY 3 - DWR's ANALYSIS OF FILINGS AND DECREES

The Salt River Project objects to the "discontinued use" designation assigned to this Potential Water Right (PWR). Presently, the legal implications of the "discontinued use" designation are not known. It is also uncertain how the master and the court will treat PWRs assigned the "discontinued use" designation. In order to protect its ability to participate in the resolution of legal issues related to the "discontinued use" designation, the Project submits its objection at this time (0830). This objection applies to: IR090.

WFR CATEGORY 9 - QUANTITIES OF USE

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: IR090.

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.

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

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

W1-11-2708

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 - 12 - DBC - 009 or Catalogued Well No. _____
(please insert no.) (please insert no.)

OBJECTOR INFORMATION

Objector's Name: Norman G. Crawford
Barbara Y. Crawford
Objector's Address: 626 West Bentrup St., Chandler, AZ 85224
Objector's Telephone No.: (602) 831-1040 Residence / 602 276-5533 Business
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):
113 - 12 - DBC - 009 ✓
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 - _____

FILED
92 MAY 1 AM 10:49
BY [Signature]
DEP. CLERK

STATE OF Arizona
COUNTY OF Pima

VERIFICATION (must be completed by objector)

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 _____ day of _____, 199____, postage prepaid and addressed as follows:
Norman G. Crawford
Name: Barbara Y. Crawford
Address: 626 W. Bentrup St.
Chandler, AZ 85224

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.

Robert J. St. Clair
Signature of Objector or Objector's Representative
SUBSCRIBED AND SWORN to before me this 14th day of May 1992.
Sally A Chadwick
Notary Public for the State of Arizona
Residing at Tucson
My commission expires 2-15-93

(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.)

Robert J. St. Clair, Esq.
Jones, Edwards, Kofron & Egbert, P.C.
5151 East Broadway, Suite 1600
Tucson, AZ 95832-3326

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.

W
000005

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) See attached Map.

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

2,3,4,
5,6,8,
9,10,11

This Watershed File Report alleges that W1 is unused and IR90 is an abandoned right (claims #39-13670, 4A-699). The objectors strongly contest this position. It also fails to report and show on the Region 12 DBC map two other wells which service the property. Attached and made a part hereof are the objector's comments including an opinion from Groundwater Resources Consultants, Inc. together with a history of the water uses affecting this Watershed File Report. Pursuant to amended Rule 6.08, Rules for Procedure Before the Special Master, the objectors hereby reserve their objections relating to issues 2 through 6 currently on interlocutory appeal to the Arizona Supreme Court.

mb:23-041.001\fm.1

GROUNDWATER RESOURCES
CONSULTANTS, INC.
TUCSON, ARIZONA

EVALUATION OF RIPARIAN SALVAGE
AT THE CRAWFORD PROPERTY
COCHISE COUNTY, ARIZONA

April 23, 1992
92421M-01

GROUNDWATER RESOURCES CONSULTANTS, INC.

CONSULTING HYDROGEOLOGISTS • ENVIRONMENTAL SPECIALISTS

1735 EAST FORT LOWELL ROAD,
SUITE 4
TUCSON, ARIZONA 85719
PHONE (602) 326-1898

CHUCK M. DICKENS, P.G.
DAVID B. HAWKINS, P.G.
SHELDON D. CLARK
KURT J. BLUST, P.G.
DINAH H. JASENSKY

April 23, 1992

Mr. Robert St. Clair, Esq.
Jones, Edwards, Smith & Kofron, P.C.
5151 E. Broadway, Suite 1600
Tucson, Arizona 85711

**RE: *Transmittal of Evaluation of Riparian
Salvage at the Crawford Property***

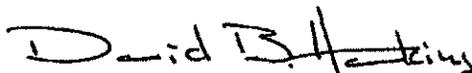
Dear Mr. St. Clair:

Enclosed herewith is the report summarizing my evaluation of the riparian salvage at River's Edge Ranch owned by Barbara and Norman Crawford, Jr. My evaluation has been based on an inspection of the property and on consumptive use estimates provided in the San Pedro Hydrographic Survey Report. My study indicates that all of the Crawford's irrigated acreage is in an area which would otherwise be occupied by dense phreatophyte growth. In terms of water consumption, my evaluation of estimates provided by the Arizona Department of Water Resources indicates that the consumptive water use of the displaced phreatophytic growth would probably exceed the consumptive use of the crops currently being grown by the Crawfords. Therefore, it appears that irrigation at the Crawford property does not result in any net depletion of subflow or surface flow in the San Pedro River relative to natural vegetation.

If you have any questions or comments, please contact our office.

Respectfully submitted,

GROUNDWATER RESOURCES CONSULTANTS, INC.



David B. Hawkins
Arizona Registered Geologist, No. 22746

DBH:krb

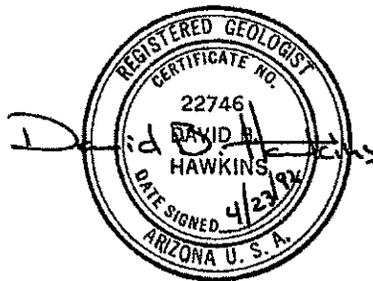
GROUNDWATER RESOURCES CONSULTANTS, INC.

CONSULTING HYDROGEOLOGISTS • ENVIRONMENTAL SPECIALISTS

1735 EAST FORT LOWELL ROAD,
SUITE 4
TUCSON, ARIZONA 85719
PHONE (602) 326-1898

CHUCK M. DICKENS, P.G.
DAVID B. HAWKINS, P.G.
SHELDON D. CLARK
KURT J. BLUST, P.G.
DINAH H. JASENSKY

EVALUATION OF RIPARIAN SALVAGE AT THE CRAWFORD PROPERTY COCHISE COUNTY, ARIZONA



April 23, 1992
92421M-01

EVALUATION OF RIPARIAN SALVAGE
AT THE CRAWFORD PROPERTY
COCHISE COUNTY, ARIZONA

CONTENTS

REFERENCES 4

APPENDICES

APPENDIX

A PHOTOGRAPHS OF CRAWFORD PROPERTY IRRIGATED ACREAGE FEBRUARY
1992

EVALUATION OF
RIPARIAN SALVAGE AT THE CRAWFORD PROPERTY

The natural riparian vegetation in the uncultivated portion of the floodplain at the Crawford Property (River's Edge Ranch) and elsewhere along the San Pedro River affects the amount of water available for streamflow, as noted in the HSR (Department of Water Resources, 1991). There are approximately 58 acres currently under cultivation in the floodplain at the Crawford Property which is located in the Redington subwater shed. A field inspection of the site confirmed that all of the acreage currently under cultivation at the Crawford Property would probably be occupied by dense natural riparian vegetation if the acreage were in a natural state rather than under cultivation (see photographs). The area under cultivation is irrigated by wells constructed in the floodplain. The irrigated acreage includes 31 acres in mixed grains (milo, sudan, millet), 22 acres in sudan grass, and 5 acres in alfalfa.

As noted in the HSR (p.185-186):

Much of the irrigated agriculture in the San Pedro River watershed is in areas cleared of original phreatophyte growth. Typically, these cultural uses require less water than dense stands of phreatophytes and may result in a savings to surface water system.

The photographs found in the enclosed Appendix were taken in February 1992. They serve to illustrate that, if the Crawford irrigated acreage were not under active cultivation, it would be occupied by dense stands of phreatophytes, probably dense mesquite and cottonwood/sycamore.

GROUNDWATER RESOURCES CONSULTANTS, INC.

The Net Irrigation Requirement (NIR) for pasture being cultivated in the Redington Subwatershed was estimated to be approximately 2.67 acre ft./acre (HSR, Table C-4). The consumptive use for natural riparian vegetation in the Redington Subwatershed is given as (HSR, Table B-6):

Consumptive Use for Riparian Vegetation Classes
(in acre ft. per acre)

Cottonwood/ Sycamore	Tamarisk/ Mesquite	Dense Mesquite	Med. Dense Mesquite	Willow	Cienega/ Dense grass
4.58	4.74	2.89	2.01	---	3.54

The predicted proportion of natural riparian displacement in the Redington Subwatershed due to clearing for cultivation based on acreage from Table D-2, (HSR) would be:

Predicted Proportion of Cleared Acreage

Cottonwood/ Sycamore	Tamarisk/ Mesquite	Dense Mesquite	Med. Dense Mesquite	Willow	Cienega/ Dense grass
0.091	0.057	0.716	0.006	0.0	0.130

Using these proportions developed for cleared acreage in the Redington Subwatershed and the estimates for phreatophytic consumptive use given above, the average consumptive use for phreatophytes which would naturally have occurred on acreage cleared for cultivation in the Redington Subwatershed would be approximately 3.23 feet. These average values for crop consumptive use and phreatophyte consumptive use appear to be very representative of the situation at the Crawford Property. Therefore, there would be no net subflow or streamflow depletion resulting from irrigation

GROUNDWATER RESOURCES CONSULTANTS, INC.

from wells on the Crawford Property relative to the consumptive use from shallow groundwater which would have occurred if the cultivated acreage were in its natural vegetative state. In fact, the Crawford Property may actually contribute to streamflow or subflow by means of riparian salvage.

REFERENCES

Arizona Department of Water Resources, 1991. Hydrographic survey report (HSR) for the San Pedro River Watershed, Vols. I and II, 604 p.

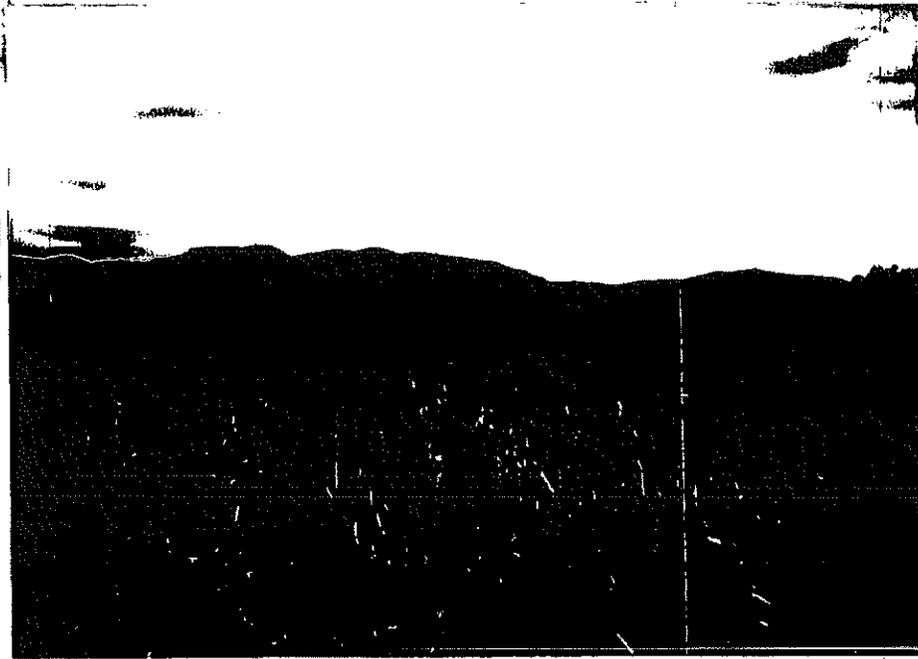
GROUNDWATER RESOURCES CONSULTANTS, INC.

APPENDIX

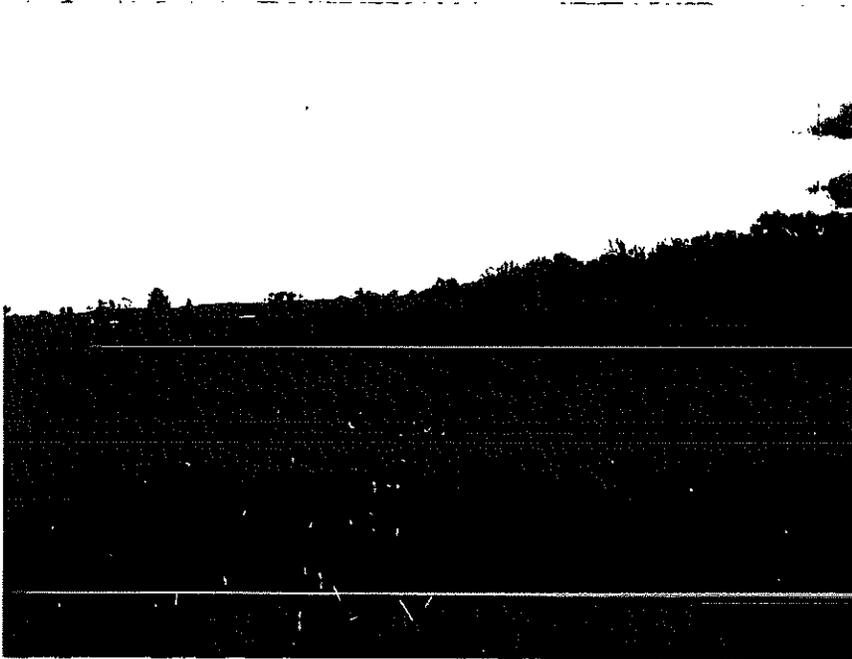
PHOTOGRAPHS OF CRAWFORD PROPERTY

IRRIGATED ACREAGE

FEBRUARY 1992



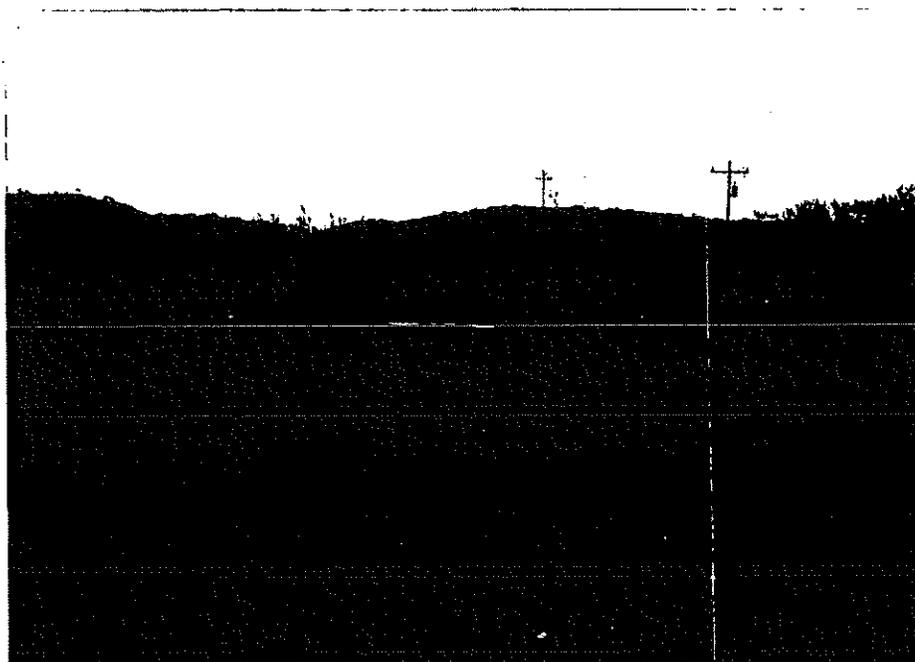
31 Acre mixed grain field looking west



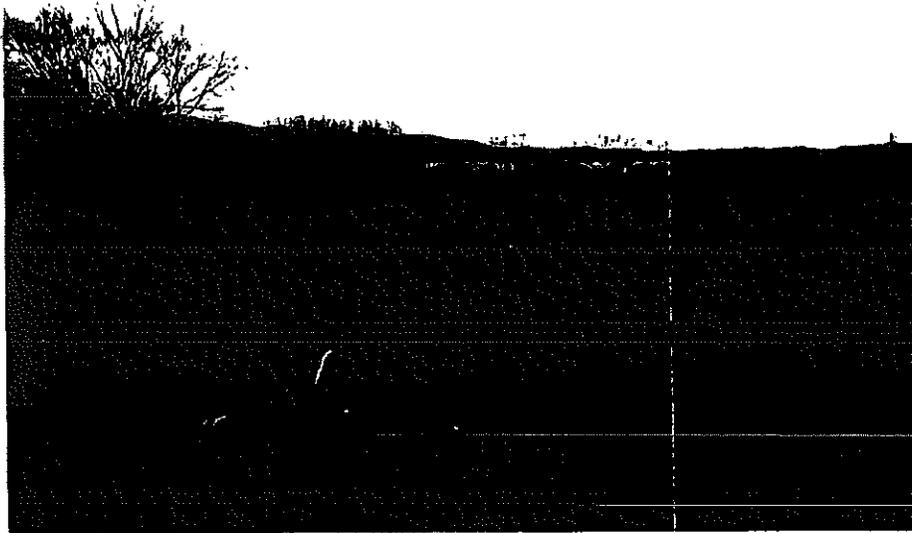
19 acre sudan grass
field looking north



3 acre sudan grass field looking south



5 acre alfalfa field looking east



5 acre alfalfa field looking north

(W1 and W2), claim 39-13670 (55-617543 and 55-617544) currently deliver water to the irrigated acreage and relate back to the historical diversion. There are also two other wells currently in service for domestic (W3), claim 39-13699, and stockwatering (W4), claim 39-13671. Attached hereto is a map of that portion of Region 12-DBC showing the location of all wells and stocktanks on the River's Edge property.

DWR has alleged that W1 is unused and IR90 has been abandoned. The objectors take the strongest issue with these comments. W1 is and has been in constant use and IR90 is and has been in continuous irrigation. The Department's comments are apparently the result of a field investigation and aerial photograph study which showed some invasion of small phreatophyte during the past ten years. While it is true that the former owner permitted some nature riparian invasion to the irrigated acreage, there is simply no evidence to suggest that irrigation ceased or was interrupted. Neither of these uses have been abandoned.

mb:23-041-001/7.1

**HISTORY, USES & DIVERSIONS OF THE
RIVER'S EDGE IRRIGATED ACREAGE**

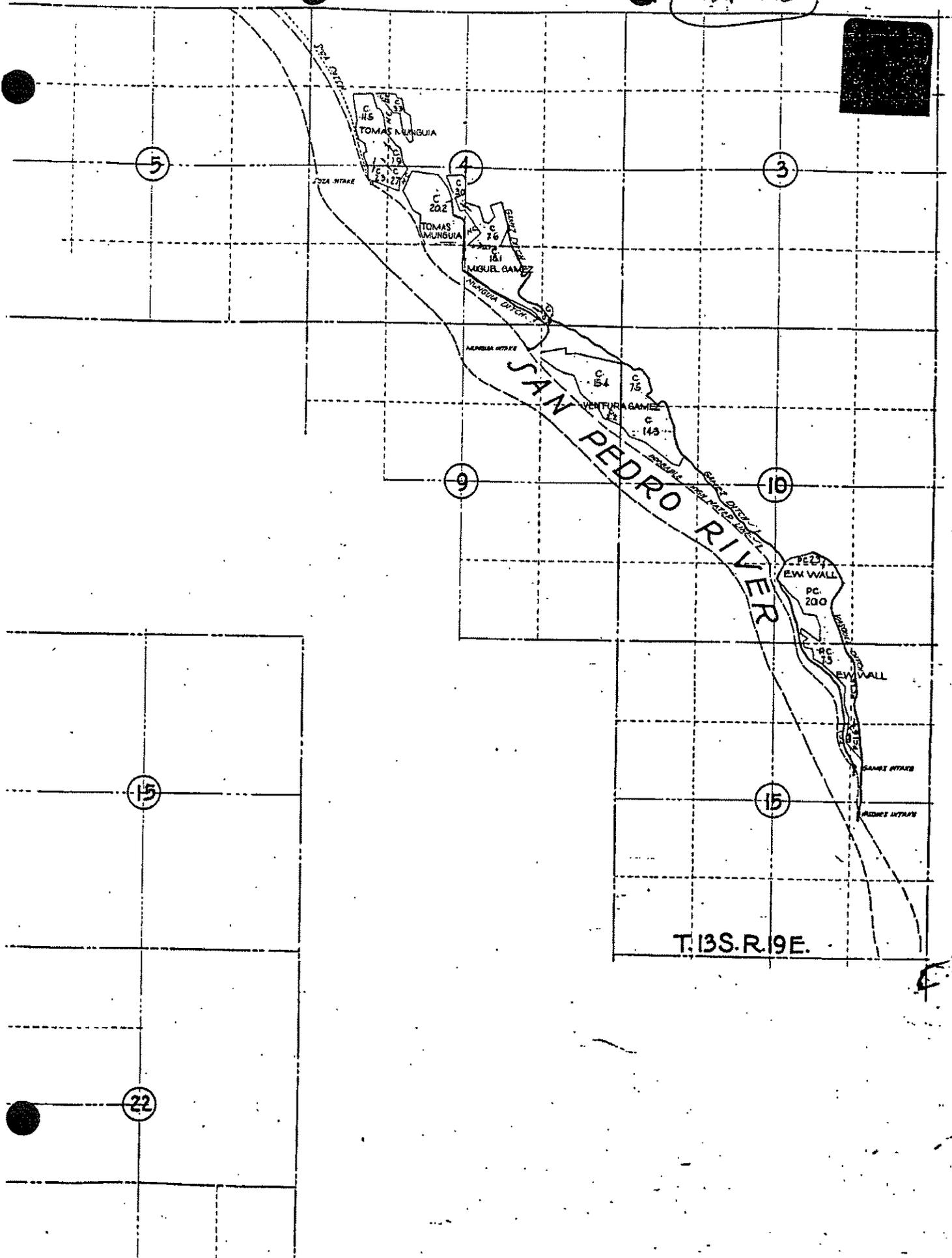
Watershed File Report 113-12-DBC-009 concerns the River's Edge irrigated acreage along the east bank of the San Pedro River in §§ 4, 9 and 10, T13S, R19E, GSRBM in Cochise County, Arizona. The irrigated acreage and points of diversion serving the property lie within the "brightlines" as defined in the HSR.

In order to assist with the investigation of this Watershed File Report, the objectors retained the services of Groundwater Resources Consultants, Inc. to review the HSR, perform on-site inspections of the River's Edge property and do such other research as they deemed necessary to report on the actual conditions existing on the property. Their report is included in this objection. It relates that the amount of water used by the crops grown at the River's Edge is less than (or at least no more than) the amount of water that would be used in the event the property was allowed to return to natural riparian vegetation.

In the latter part of the 19th Century and the early part of the 20th Century irrigation and stockwatering were supplied by the diversion ditches. A map (copy attached) of the water survey performed for the state water commissioner in 1921 shows virtually the same acreage in cultivation then as now. It also shows a diversion ditch serving the property. The irrigated acreage, then as now, lies in the NW §10 the NE §9 and the SW §4, T13S, R19E, GSRBM.

In 1927 a Certificate of Water Right (4A-699) was issued for this property. It permits the owner to use approximately 588 acre feet/year to irrigate these parcels and relates to claim 39-13670.

Over time the ditches were no longer used and wells were installed to supply water to the irrigated acreage in lieu of the surface water supplied from the ditches. Two wells



T. 13S. R. 19E.

A PORTION OF THE REGION 12-DBC
 MAP OF WATER USES
 SHOWING THE RIVER'S EDGE PROPERTY
 LOCATED IN SECTIONS 4, 9 and 10, T 13, S, R19E GSRBM

N

