Office Of The State Engineer

Presentation to
Blue Ribbon Water Task Force

Office of the State Engineer
Albuquerque, New Mexico
23 March 2005

Office Of The State Engineer

- **Two Years Ago: Briefed On Disconnects Within OSE**
  - Two Functions (Water Rights / Hydrographic Survey)
  - Two Processes (Administration / Adjudication)
  - Two Data Management Systems (WATERS / WRATS - GIS)

- **Today: Much Progress**
  - Integrated Processes & Procedures
  - Technology Allowing Us To Share Platforms

- **Demonstrated Successes:**
  - Enterprise GIS (Infrastructure)
    - Gila River - Virden Valley
    - Sandia Basin
    - San Juan - La Plata

Office Of The State Engineer
Results

- **Using / Creating Best Available Data Sets**
- **Most Appropriate Technology**
- **Up Front Costs**
  - Highly Skilled Technical Staff
  - Imagery
  - Hardware , Software
  - Data Analysis and Abstracting
  - Field Verification
- **Tremendous Efficiencies & Effectiveness**

San Juan

Evaluation of Original Water Right – Historical Analysis

SUBFILE 198

Dash 1

-2

-3

-4

ADJUDICATED RIGHTS OF INDIVIDUAL CANALS, DITCHES, CARRIERS AND RESERVOIRS, AND LAND OWNERS USING WATERS THEREUNDER OR THEREFROM IN CAUSE NO. 01690, DISTRICT COURT, SAN JUAN COUNTY, NEW MEXICO

Name of Ditch, Carrier or Reservoir: Cedar Ditch.

Type of Organization: Community.

Source of Water Supply: Las Animas River.

Diversion Priority Date: 1886. Priority No. 5-A.

Maximum Rate of Diversion at Headgate or Intake of Ditch in Cubic Feet per Second of Time for Irrigation Purposes: 8.52.

Total of Irrigated Acres: 340.80.

Additional Rights: In addition to the waters diverted for irrigation of lands, this ditch and the land owners and water users thereunder have the subsisting vested right to demand, divert, receive and use such amount and amounts of waters, as are from time to time beneficially needed and required, for domestic and stock watering purposes.

Exhibits: Number 11 and Testimony in Volume No. 1.

Remarks: Cedar and Ralston Community Ditches show water applied to land under ditches by means of water wheels the same year of 1886.

STATE OF NEW MEXICO, IN THE DISTRICT COURT, COUNTY OF SAN JUAN, CAUSE No. 01690, INDEPENDENT DITCH CO., ET AL, VS. McDERMOTT DITCH CO., ET AL

Name of Ditch: Cedar Hill. River: Las Animas.

Land Owner: McEwen, Eve. Acres Irrigated: 3.0. Water Allotted: 8.3 Acre Feet.

Engineer's Report: Vol. II Page 106. Vol. III Sheet No. 33. Testimony Vol. Page 94 I.

Land Description:

A triangular piece of land situated N. and W. of the Federal Highway in the NE¼SE¼SW¼ and the SW¼SE¼SW¼ of Section 33, Twp. 32 N., R. 10 W., N. M. P. M., described as follows: Beginning 990 ft. E. of and 17 ft. N. of the SW. corner of Sec. 33 and running thence N. 640 ft., thence E. 416.5 ft. to the Federal Highway, thence S. 33° W. along said Highway thence 766 ft. to the place of beginning.

Name of Ditch: Cedar Hill. River: Las Animas.

Land Owner: Reid, Andrew. Acres Irrigated: 26.5. Water Allotted: 73.6 Acre Feet.

Engineer's Report: Vol. II Page 107. Vol. III Sheet No. 33.

Land Description:

30 acres off the West side of the SW¼SW¼ of Section 33, Twp. 32 N., Range 10 W., N. M. P. M.

Name of Ditch: Cedar Hill. River: Las Animas.

Land Owner: Seegrist, Jacob W. Acres Irrigated: 10.7. Water Allotted: 29.7 Acre Feet.

Engineer's Report: Vol. II Page 107. Vol. III Sheet No. 33.

Land Description:

The SE¼SE¼ of Section 32, Township 32 N., Range 10 W., N. M. P. M.

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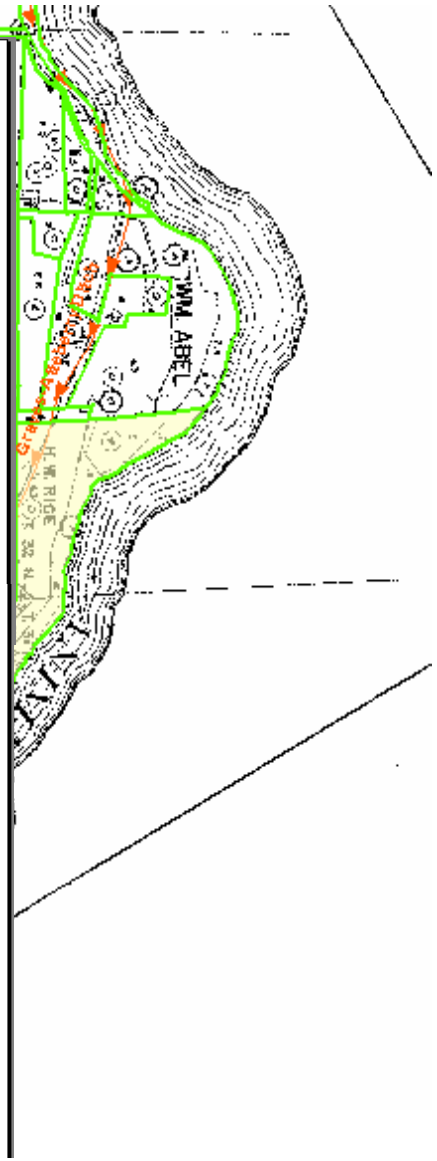
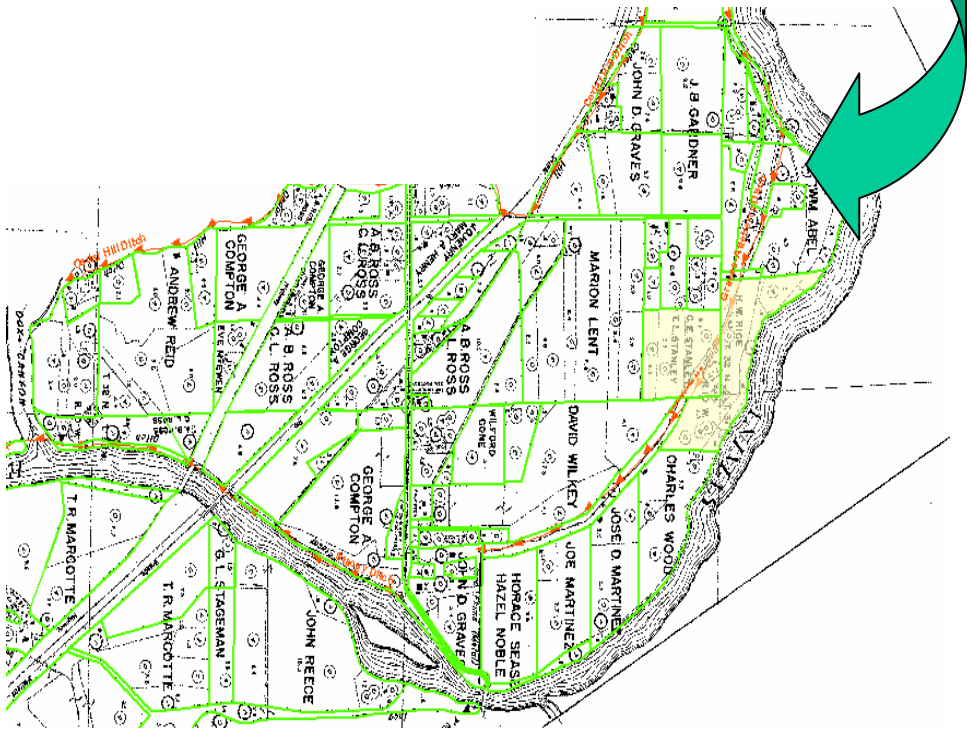


San Juan

Evaluation of Original Water Right – Historical Analysis

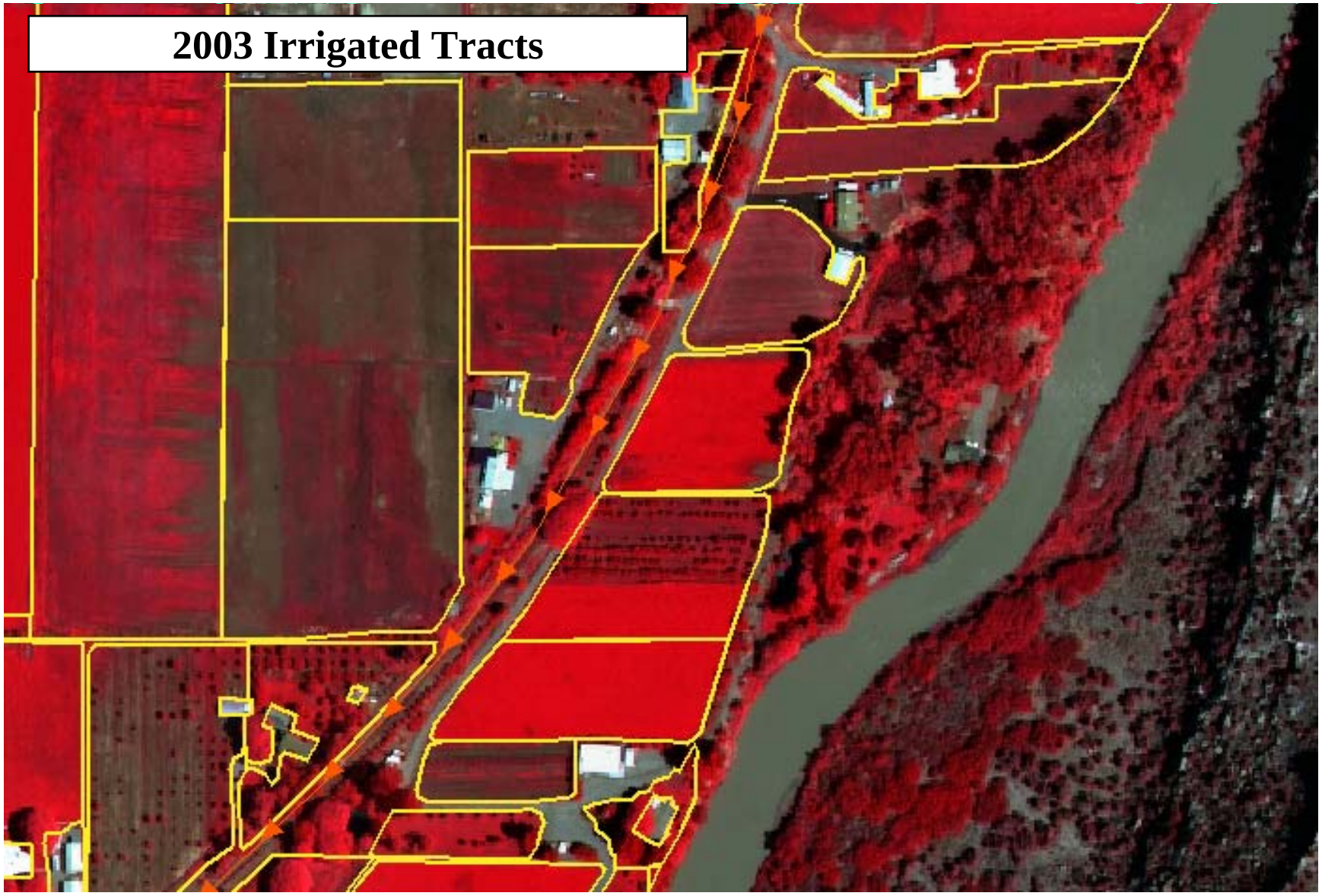
Create Water Right File
For Each Subfile

- **Water Right File SD 02567 = Graves Atterbury Ditch**
  - **Dash 1 to correspond to each subfile #**
  - **Dash 2**
  - **Dash 3**



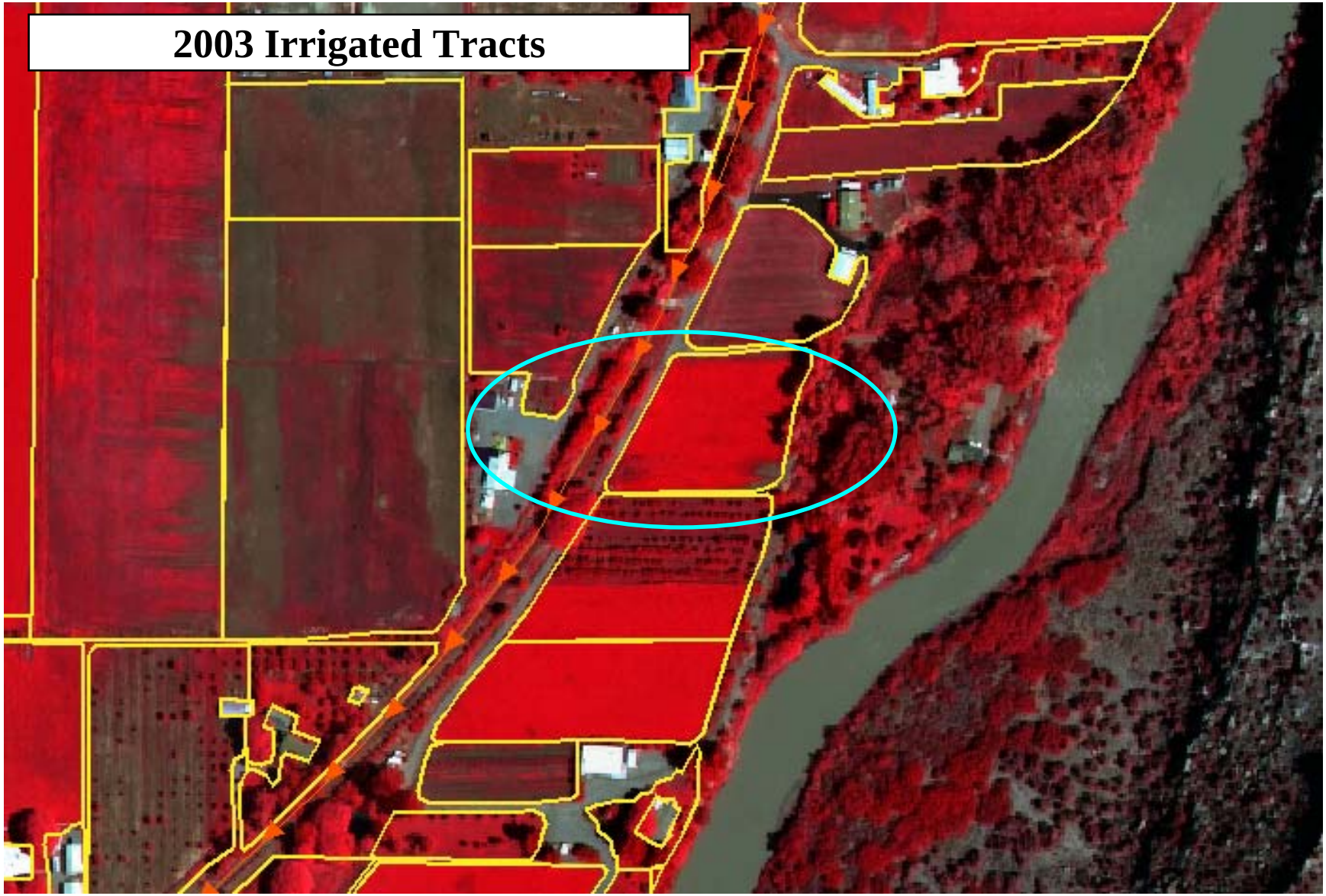
San Juan

Evaluation of Original Water Right – Past to Present Analysis



San Juan

Determine History of Water Right



New Mexico Office of the State Engineer

Transaction Summary

Back

ORDER Order of District Court

Trn_nbr: 283[illegible] **Trn_desc:**SD 02576 12 **File Date:**04/08/1948

Primary status: ADJ Adjudicated
Secondary status: [illegible] Processed
Person assigned: rjohnso Johnson, Randy
Applicant: H.W. RICE

Events

Date	Type	Description	Processed By
04/08/1948	APP	Application Received	rjohnso Johnson, Randy
04/08/1948	FTN	Finalize non-published Trans.	rjohnso Johnson, Randy
09/12/2003	QAT	Quality Assurance Completed	rjohnso Johnson, Randy
10/05/2004	QAT	Quality Assurance Completed	jtrujill Trujillo, Jerri

Sub_File_Nbr	Acres	Diversion	Consumptive	Purpose of Use
SD 02576 12	11.9	34	0	IRR IRRIG.

Point of Diversion

SD 02576 32N 10W 33 NE NE in San Juan County

Place Of Use

Tws	Rng	Sec	q	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Description
31N	10W	03	NW	NW			0	0		IRR	12/29/1878	ADJ	SEE SECTION 34 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.
31N	10W	04					0	0		IRR	12/29/1878	ADJ	SEE SECTION 34 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.
31N	10W	34	SW	SW			11.9	34		IRR	12/29/1878	ADJ	SEE MAP 33.

Remarks

THE SUBFILE NUMBER HAS BEEN CREATED ADMINISTRA- TIVELY TO REFERENCE THE APPROPRIATE SECTION OF THE ECHO DITCH DECREE. THE FIRST NUMBER REFERS TO THE PAGE OF THE DECREE, THE SECOND NUMBER IS THE OWNER AS LISTED FROM THE TOP OF THE PAGE DOWN.

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: SD 02576 12
Primary Purpose: IRR IRRIGATION
Primary Status: ADJ Adjudicated
Total Acres: 8.39
Total Diversion: 23.972
Owner: J.W. TOWNSEND
Owner: SANDRA L. TOWNSEND

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
COWNP	04/24/2003	PMT APR ABS	SD 02576 12D	F	0	0	
COWNP	08/20/2001	PMT APR ABS	SD 02576 12C	F	-1.51	-4.314	
COWNP	05/13/1996	PMT APR ABS	SD 02576 12B	F	-2	-5.714	
COWNP	02/25/1980	PMT APR ABS	SD 02576 12A	F	0	0	
COWNF	04/06/1979	CHG PRC ABS	SD 02576 12	T	0	0	
ORDER	04/08/1948	ADJ PRC ABS	SD 02576 12	T	11.9	34	

(qtr are 1=NW 2=NE 3=SW 4=SE)
(qtr are biggest to smallest

Point of Diversion X Y are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	Zone	Easting	Northing	Latitude	Longitude	Other Location Description
SD 02576		32N	10W	33	2	2			13	243535	4092701	36 56 43.64	107 52 55.87	

Priority	Status	Acres	Diversion	POD Number
12/29/1878	ADJ	8.39	23.972	SD 02576

(quarters are 1=NW 2=NE 3=SW 4=SE)
Place of Use (quarters are biggest to smallest

Tws	Rng	Sec	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Description
31N	10W	03	1	1		0	0		IRR	12/29/1878	ADJ	SEE SECTION 34 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.
31N	10W	04				0	0		IRR	12/29/1878	ADJ	SEE SECTION 34 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.
31N	10W	34	3	3		8.39	23.971		IRR	12/29/1878	ADJ	SEE MAP 33.

New Mexico Office of the State Engineer

Water Right Summary

Back

DB File Nbr: SD 02576 12C
Primary Purpose: IRR IRRIGATION
Primary Status: PMT Permit
Total Acres: 1.51
Total Diversion: 4.314
Owner: JOHN T. ALAFONSO

Documents on File

Doc	File/Act	Status 1 2 3	Trans_Desc	From/To	Acres	Diversion	Consumptive
COWNP	08/20/2001	PMT APR ABS	SD 02576 12C	T	1.51	4.314	

(qtr are 1=NW 2=NE 3=SW 4=SE)
Point of Diversion (qtr are biggest to smallest X Y are in Feet UTM are in Meters)

POD Number	Source	Tws	Rng	Sec	q	q	q	Zone	X	Y	UTM_Zone	Easting	Northing		Latitude	Longitude	Other Location Description
SD 02576		32N	10W	33	2	2					13	243535	4092701	36	56 43.64	107 52 55.87	

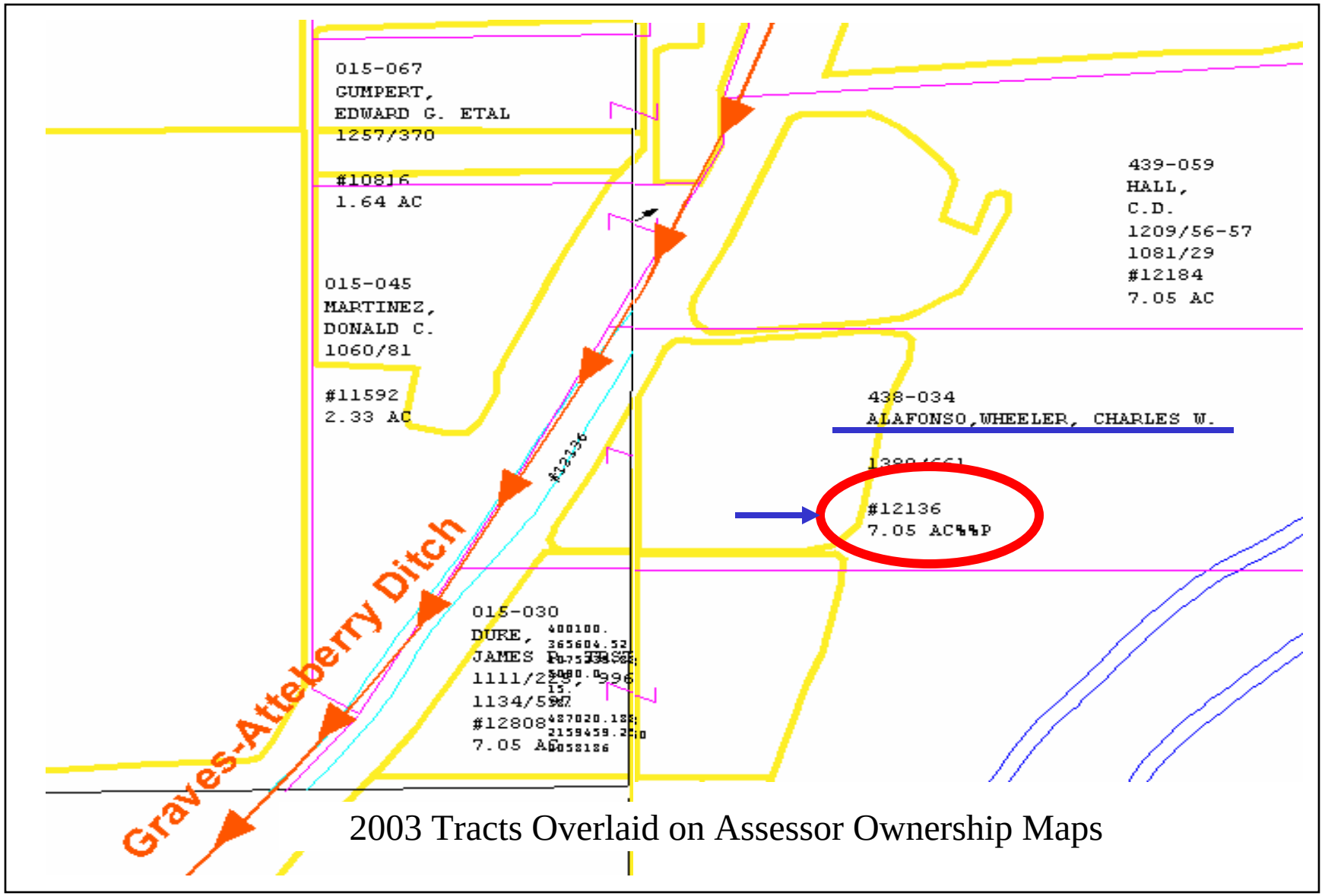
Priority	Status	Acres	Diversion	POD Number	Source
12/29/1878	ADJ	1.51	4.314	SD 02576	

(quarters are 1=NW 2=NE 3=SW 4=SE)
Place of Use (quarters are biggest to smallest

Tws	Rng	Sec	q	q	q	q	Acres	Diversion	Consumptive	Use	Priority	Status	Other Location Description
31N	10W	34	3	3	3		1.51	4.314		IRR	12/29/1878	PMT	SEE MAP 33.

San Juan

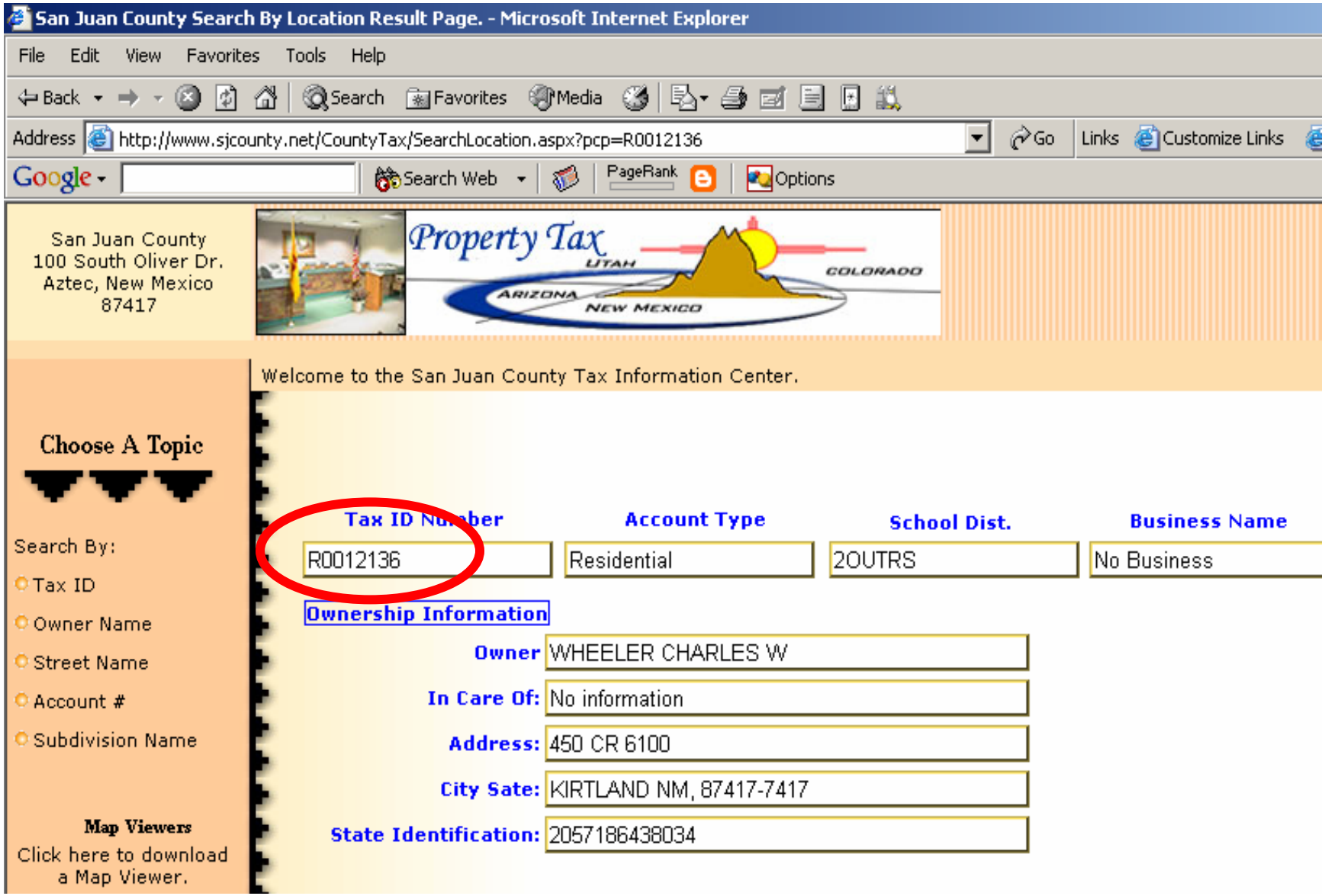
Current Ownership Determination



2003 Tracts Overlaid on Assessor Ownership Maps

San Juan

Current Ownership Determination



San Juan

Abstract and Automate – WATERS Database

New Mexico Office of the State Engineer - Micros

New Mexico Office of the State

Water Right Summary

Back

DB File Nbr: SD 02576 12C
Primary Purpose: IRR IRRIGATION
Primary Status: PMT Permit
Total Acres: 1.51
Total Diversion: 4.314
Owner: JOHN T. ALAFONSO

Documents on File

Doc	File/Act	Status 1 2 3	Trans
COWNP	08/20/2001	PMT APR ABS	SD 02

Point of Diversion (qtr are 1=NW 2=NE (qtr are biggest t

POD Number	Source	Tws	Rng
SD 02576		32N	10W

Priority	Status	Acres	Diversion	
12/29/1878	ADJ	1.51	4.314	S

Place of Use (quarters are 1=NW (quarters are big

Tws	Rng	Sec	q	q	q	q	Acres	Divers
31N	10W	34	3	3	3		1.51	4.3

State of New Mexico
Office of the State Engineer
San Juan River Stream System
Hydrographic Survey

Animas River Section

Subfile No.: SJAR-2.1A

Owner: CHARLES W. WHEELER
Address: 61 HWY 140
HESPEROS, CO 81326-9363

A. IRRIGATED LANDS (Surface Water Only):
Office of the State Engineer File No(s): 02576 -12C
Priority:
GRAVES-ATTEBERRY DITCH: March 31, 1877 Surface Water

Source: GRAVES-ATTEBERRY DITCH: Surface water of the La Plata River, a tributary of the San Juan River.

Purpose of Use:
IRRIGATION

Point(s) of Diversion
Ditch: GRAVES-ATTEBERRY DITCH
Location: X= 2,620,572 feet **Y=** 2,198,846 feet
New Mexico State Plane Coordinate System, Central Zone, NAD 1983

Amount of Irrigated Acreage:
Section 10, Township 32N, Range 13W, N.M.P.M. 1.1 acres
Total 1.1 acres

As shown on the 2003 Hydrographic Survey, (Update 2004)

Amount of Water (acre-feet per acre per year, not to exceed):
Consumptive Irrigation Requirement = 1.850

Comments:
The above 1.1 acres are reflected as irrigated on the San Juan River Hydrographic Survey of (1938), Map Sheet No. 69, being part of the Stanley and Rice Tracts containing 14.5 acres, and referred to the State Engineer Hydrographic Survey Report of (1938, Volume II (Ditch Records), page 391.

JUDGMENT, San Juan County Court Cause No. 01690, dd/ April 8, 1948, page 97, reflects Priority No. 3 for 0.633 cubic feet of water per second, Priority No. 13 for 0.4 cubic feet of water per second and Priority No. 17 for 0.233 cubic feet of water per second for 38.1 irrigated acres.

The (1982) Hydrographic Survey found that 2.4 acres adjudicated to the William Hill Tract, now lie within the State of Colorado due to relocation of the New Mexico-Colorado State line by the United States Supreme Court on October 20, 1960, and therefore the 2.4 acres are not included in this report.

Proof 9/8/2004 11:41:37 AM 1

Sample W.A.T.E.R.S. Report
Ditch Level Sorted By Priority

Cumulative Diversions by Priority
San Juan River Administration Database
Las Animas Section
----Sample Data----

Ditch name (CFS Factor)	Priority	Use	Acres	Diversion (af)	Cum (af)	CFS	Cum (CFS)
FARMERS DITCH (40.011)	12-31-1877	MUN		179.376		10.00	
FARMER'S MUTUAL DITCH (40.003)	12-31-1877	IRR	4.640	14.290		0.12	
INDEPENDENT DITCH (28.285)	12-31-1877	IRR	38.867	119.432		1.37	
LOWER ANIMAS DITCH (36.449)	12-31-1877	IRR	1289.860	4330.350		35.39	
MORNINGSTAR PUMP ()	12-31-1877	UTL	0.000	306.070			
STAR DITCH (30.597)	12-31-1877	IRR	947.128	4142.796		30.95	
TOWN OF FARMINGTON PUMP ()	12-31-1877	MUN	0.000	1074.440			
WILLETT DITCH (30.497)	12-31-1877	MUN	0.000	1074.440			
Priority Total	**12-31-1877**		**2280.495**	**11241.194**	**11241.194**	**77.83**	**77.83**
ANIMAS RIVER PUMP SD-01631 ()	12-31-1878	IRR	19.329	57.987			
CITY OF FARMINGTON PUMP ()	12-31-1878	MUN	0.000	137.026		15.00	
ECHO DITCH (40.002)	12-31-1878	IRR	48.750	146.250		1.22	
ELEDGE DITCH (40.012)	12-31-1878	IRR	1100.325	3322.440		27.50	
ELEDGE DITCH (40.012)	12-31-1878	NOT	0.000	0.000			

Sample W.A.T.E.R.S. Report
Ditch Level Sorted By Ditch
(Multiple Priorities Per Ditch)

Ditch name	POD Number	Priority	Diversion (af)	Acres
		Total	**123.627**	**41.209**
AZTEC DITCH	SD-02033	12-31-1882	3446.883	1205.480
		12-31-1892	0.660	0.230
		12-31-1901	221.799	81.084
		12-31-1903	496.252	173.538
		Total	**4165.594**	**1460.332**
CEDAR HILL DITCH	SD-02527	12-31-1886	947.300	340.800
		12-31-1892	1.080	0.360
		12-31-1903	0.906	0.302
		Total	**949.286**	**341.462**
CITY OF FARMINGTON PUMP	SD-02995-G	12-31-1878	137.026	0.000
		12-31-1891	217.179	
		12-31-1896	98.875	
		12-31-1897	22.292	0.000
		Total	**475.372**	**0.000**
ECHO DITCH	SD-00028	12-31-1878	146.250	48.750
		12-31-1896	4532.796	1432.100

Sample W.A.T.E.R.S. Report
Individual Rights - Lower Animas Ditch

LOWER ANIMAS DITCH

SD-02170

196130

12-31-1877

OSE File Number	Subfile Number	Status	Priority	Use	Diversion (af)	Acres
SD 02170	121-1 THRU 131-4	ADJ	12/31/1877	IRR	-423.300	-150.850
SD 02170 1	121-1	ADJ	12/31/1877	IRR	219.630	73.210
SD 02170 1A	PT OF 121-1	ADJ	12/31/1877	IRR	40.689	13.563
SD 02170 1AA	PT OF 121-1	ADJ	12/31/1877	IRR	1.161	0.387
SD 02170 1AAA	PT OF 121-1	ADJ	12/31/1877	IRR	0.000	0.000
SD 02170 1AAB	PT OF 121-1	ADJ	12/31/1877	IRR	0.000	0.000
SD 02170 1C	PT OF 121-1	ADJ	12/31/1877	IRR	22.470	7.490
SD 02170 2	122-1	ADJ	12/31/1877	IRR	20.100	6.700
SD 02170 3	122-2	ADJ	12/31/1877	IRR	62.100	20.700
SD 02170 3A	PT OF 122-2	ADJ	12/31/1877	IRR	0.900	0.300
SD 02170 4	122-3	ADJ	12/31/1877	IRR	21.300	7.100
SD 02170 5	122-4	ADJ	12/31/1877	IRR	87.000	29.000
SD 02170 6	122-5	ADJ	12/31/1877	IRR	256.200	85.400

Sample W.A.T.E.R.S. Report
Individual Rights - Lower Animas Ditch

SD	02170	7	123-1	ADJ	12/31/1877	IRR	78.690	26.230
SD	02170	7Q	PT OF 123-1	ADJ	12/31/1877	IRR	0.810	0.270
SD	02170	8	123-2	ADJ	12/31/1877	IRR	21.000	7.000
SD	02170	9	123-3	ADJ	12/31/1877	IRR	40.000	13.300
SD	02170	10	123-4	ADJ	12/31/1877	IRR	116.200	38.710
SD	02170	11	123-5	ADJ	12/31/1877	IRR	105.000	35.000
SD	02170	11A	PT OF 123-5	ADJ	12/31/1877	IRR	240.000	80.000
SD	02170	11B	PT OF 123-5	ADJ	12/31/1877	IRR	62.400	20.800
SD	02170	12	124-1	ADJ	12/31/1877	IRR	135.000	45.000
SD	02170	13	124-2	ADJ	12/31/1877	IRR	14.100	4.700
SD	02170	14	124-3	ADJ	12/31/1877	IRR	17.700	5.900
SD	02170	15	124-4	ADJ	12/31/1877	IRR	85.200	28.400
SD	02170	16	124-5	ADJ	12/31/1877	IRR	59.100	19.700
SD	02170	17	125-1	ADJ	12/31/1877	IRR	195.000	65.000
SD	02170	18	125-2	ADJ	12/31/1877	IRR	25.200	8.400
SD	02170	19	125-3	ADJ	12/31/1877	IRR	25.500	8.500
SD	02170	20	125-4	ADJ	12/31/1877	IRR	48.300	16.100
SD	02170	20A	PT OF 125-4	ADJ	12/31/1877	IRR	2.400	0.800
SD	02170	20AB	PT OF 125-4	ADJ	12/31/1877	IRR	0.600	0.200
SD	02170	21	125-5	ADJ	12/31/1877	IRR	65.400	21.800
SD	02170	22	125-6	ADJ	12/31/1877	IRR	13.200	4.400
SD	02170	23	125-7	ADJ	12/31/1877	IRR	2.100	0.700
SD	02170	23A	PT OF 125-7	PMT	12/31/1877	IRR	0.000	0.000
SD	02170	24	126-1	ADJ	12/31/1877	IRR	22.200	7.400
SD	02170	25	126-2	ADJ	12/31/1877	IRR	127.800	42.600
SD	02170	26	126-3	ADJ	12/31/1877	IRR	2.000	0.670
SD	02170	27	126-4	ADJ	12/31/1877	IRR	862.500	143.750
SD	02170	28	127-1	ADJ	12/31/1877	IRR	27.000	9.000

Sample W.A.T.E.R.S. Report
Detail of Water Rights – Aztec Ditch

San Juan River Administration Database
Las Animas Section
----Sample Data----

AZTEC DITCH

12-31-1882

OSE File Num	Subfile Number	Status	Priority	Use	Diversion (af)	Acres
SD 02033	178-1 THROUGH 197-2	ADJ	12/31/1882	IRR	0.000	0.000
AZTEC DITCH						
					0.000	0.000
SEE FILES SD-02033-1 THROUGH SD-02033-84						
SD 02033 1	178-1	ADJ	12/31/1882	IRR	104.600	36.600
W.E. HOTTLE						
31N 10W 07 4 4					36.600	104.600
SEE MAPS 34 & 35.						
31N 10W 17 1 1					0.000	0.000
SEE MAP 35. SEE SEC 17 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.						
31N 10W 08 3 3					0.000	0.000
SEE SECTION 7 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.						

Sample W.A.T.E.R.S. Report
Detail of Water Rights – Aztec Ditch

SD 02033 1A 178-1 (PART OF) ADJ 12/31/1882 IRR 0.000 0.000

EDWARD AND MARGARET MUNOZ TRUST
P.O. BOX 850 GALLUP NM 87305

31N 10W 17 1 1 0.000 0.000
THE EXACT WATER RIGHTED ACREAGE THAT WAS TRANSFERRED IS UNKNOWN.

31N 10W 07 4 4 0.000 0.000
THE EXACT WATER RIGHTED ACREAGE THAT WAS TRANSFERRED IS UNKNOWN.

31N 10W 08 3 3 0.000 0.000
THE EXACT WATER RIGHTED ACREAGE THAT WAS TRANSFERRED IS UNKNOWN.

SD 02033 2 178-2 ADJ 12/31/1882 IRR 96.146 33.623

MRS. M. CANOPLE

31N 11W 13 4 33.623 96.147
SEE MAP 35.

31N 11W 24 2 0.000 0.000
SEE MAP 35. SEE SEC 13 FOR TOTAL ACREAGE REMAINING UNDER THIS SUBFILE.

31N 10W 19 1 1 0.000 0.000
SEE MAP 35. SEE SEC 13 FOR TOTAL ACREAGE REMAINING UNDER THIS SUBFILE.

SD 02033 2A 178-2 ADJ 12/31/1882 IRR 35.745 12.500

NETTIE L. GILES
ROUTE 1 BOX 51 AZTEC NM 87410
RAYMOND E. GILES
ROUTE 1 BOX 51 AZTEC NM 87410

31N 11W 24 2 12.500 35.745
SEE MAP 35. SEE SEC 13 FOR TOTAL ACREAGE ADJUDICATED UNDER THIS SUBFILE.

Sample W.A.T.E.R.S. Report
Detail of Water Rights – Aztec Ditch

SD 02033 2B 178-2 ADJ 12/31/1882 IRR 2.860 1.000

NEDRA DEAN
C/O LARA PERRY ROUTE 1 BOX 16 AZTEC NM 87410
JAMES E. DEAN
C/O LARA PERRY ROUTE 1 BOX 18 AZTEC NM 87410

31N 11W 13 4 1.000 2.860
SEE MAP 35.
31N 11W 24 2 0.000 0.000
SEE MAP 35. SEE SEC 13 FOR TOTAL ACREAGE TRANSFERRED UNDER THIS DOCUMENT

SD 02033 2C 178-2 ADJ 12/31/1882 IRR 11.486 4.017

EVERETT C. HESSER
3901 KNOLLCEST DR. FARMINGTON NM 87401

31N 11W 13 4 4.017 11.486
SEE MAP 35.

SD 02033 2CA 178-2 ADJ 12/31/1882 IRR 8.244 2.883

BEVERLY POULIN
ROUTE 2 BOX 806 FARMINGTON NM 87401
LAWRENCE POULIN
ROUTE 2 BOX 806 FARMINGTON NM 87401

31N 11W 13 4 2.883 8.244
SEE MAP 35.

SD 02033 2CB 178-2 ADJ 12/31/1882 IRR 3.718 1.300

DEBORAH L. TURNER
P.O. BOX 915 FARMINGTON NM 87410
RAYMOND J. TURNER
P.O. BOX 915 AZTEC NM 87410

31N 11W 13 4 1.300 3.718
SEE MAP 35.

SD 02033 2D 179-1 ADJ 12/31/1882 IRR 2.393 0.837

SHARON L. MUELLER
ROUTE 1 BOX 51-X AZTEC NM 87410
HEINZ A. MUELLER
ROUTE 1 BOX 51-X AZTEC NM 87410

31N 11W 13 4 0.837 2.393
SEE MAP 35.

Sample W.A.T.E.R.S. Report
Detail of Water Rights – Aztec Ditch

SD 02033 2E	178-2	ADJ	12/31/1882	IRR			2.688	0.940
KIM SHERI WEST ROUTE 1 BOX 51-V AZTEC NM 87410 JOHNNY WAYNE WEST ROUTE 1 BOX 51-V AZTEC NM 87410								
			31N 11W 13 4		0.940	2.688		
			SEE MAP 35.					
SD 02033 2F	178-2	ADJ	12/31/1882	IRR			2.860	1.000
BOBBY D. SHELBY 54 RD 2650 AZTEC NM 87410 CHERYL M. SHELBY 54 RD 2650 AZTEC NM 87410								
			31N 11W 13 4		1.000	2.860		
			SEE MAP 35.					
SD 02033 2G	178-2	ADJ	12/31/1882	IRR			2.860	1.000
MARIA NIOMA GALLEGOS 16207 US HIWAY 550 NORTH AZTEC NM 87410 JOE R. GALLEGOS 16207 US HWY 550 NORTH AZTEC NM 87410								
			31N 11W 13 4		1.000	2.860		
			SEE MAP 35.					
SD 02033 3	179-1	ADJ	12/31/1882	IRR			4.600	1.600
SAM POLK								
			31N 10W 18 2 3		1.600	4.600		
			SEE MAP 35.					
SD 02033 3A	179.1,184-1,184-2	ADJ	12/31/1882	IRR			0.000	0.000
BEVERLY J. DOWNEY ROUTE 1 BOX 52 AZTEC NM 87410 LESTER O. DOWNEY ROUTE 1 BOX 52 AZTEC NM 87410								
			31N 10W 18 2		0.000	0.000		
			THE EXACT WATER RIGHTED ACREAGE THAT WAS TRANSFERRED IS UNKNOWN.					

Office Of The State Engineer

Presentation to
Blue Ribbon Water Task Force
Virden Valley Administration Tool

Office of the State Engineer
Albuquerque, New Mexico
23 March 2005

Interfacing the GIS/GPS/Digital Imagery and WATERS

- **Best Available Data Sets**
- **Demonstrated Technology**
- **Up Front Resource Intensive**
- **Tremendous Cost Savings & Increased Effectiveness**