



The Ivory Channel in Rio Rancho NM

**SSCAFCA**  
**SOUTHERN SANDOVAL COUNTY**  
**ARROYO FLOOD CONTROL AUTHORITY**

**2005**  
**ANNUAL**  
**REPORT**

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- A. FY 2006 BUDGET
- B. BOUNDARY CHANGE LEGISLATION
- C. SUBMITTAL TRACKING LOG
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## Section 1

### PURPOSE OF ANNUAL REPORT

SSCAFCA has prepared this annual report identifying, listing and briefly summarizing project updates, staff changes, funding capacities, etcetera to show a snapshot of the organization. This information is provided to all four governmental entities within our jurisdiction (i.e., Bernalillo, Corrales, Rio Rancho and

Sandoval County) and other interested parties for informational purposes. SSCAFCA believes that government works best when governments cooperate and that cooperation starts with trust. It is our intent to provide this information to you to build trust and foster cooperation.

### SSCAFCA'S VISION:

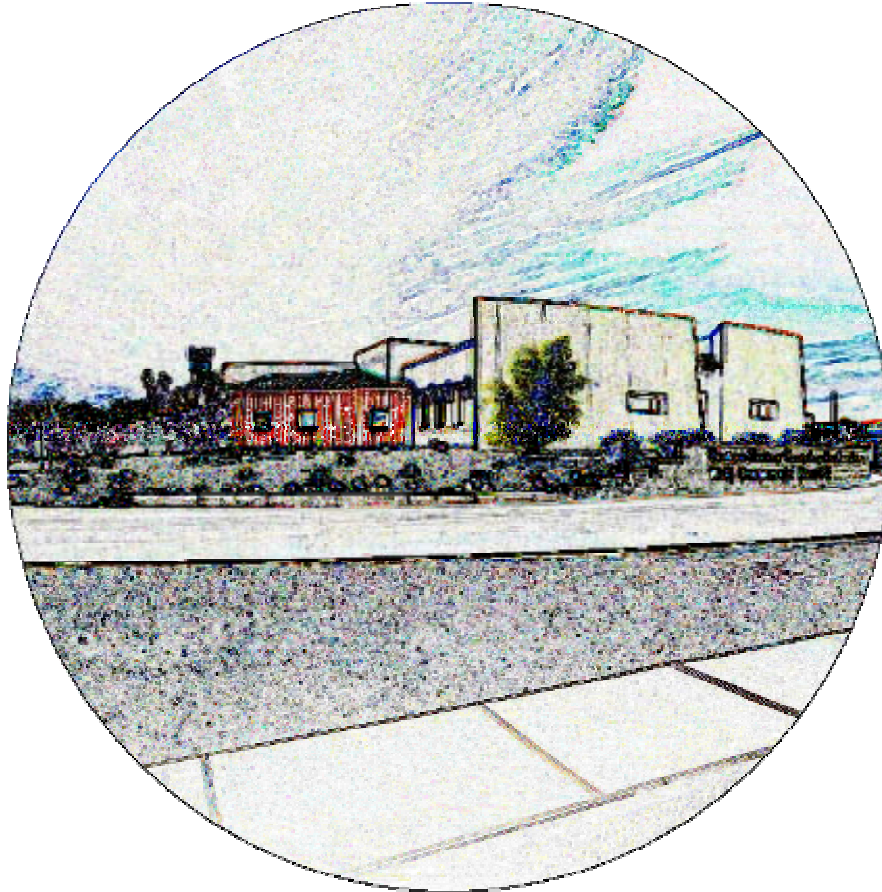
## Flood Control Today ~ For A Safe Tomorrow



### SSCAFCA'S MISSION STATEMENT:

- TO PROTECT CITIZENS AND PROPERTY BY IMPLEMENTING PROVEN FLOOD SOLUTIONS THAT:
1. MANAGE OUR WATERSHEDS PRUDENTLY FOR FUTURE GENERATIONS;
  2. ENHANCE THE QUALITY OF LIFE;
  3. CREATE THE MOST APPEALING MULTI-USE FACILITIES;
  4. SET AN EXAMPLE OF QUALITY, INTEGRITY, LEADERSHIP AND PROFESSIONALISM;
  5. EDUCATE THE PUBLIC CONCERNING FLOOD HAZARDS;
  6. ADMINISTER PUBLIC FUNDS PRUDENTLY.

1.2 AUTHORITY  
INFORMATION



BOARD OF DIRECTORS

William C. "Dub" Yarbrough - Chairman  
Mark Conkling , Vice Chair  
Donald A. Rudy, Treasurer  
John Chaney, Secretary  
Steven M. House, Director  
David Stoliker, Executive Director

Executive Committee

William C. "Dub" Yarbrough  
John Chaney/Donald A. Rudy  
Bernard Metzgar  
David Stoliker

BUDGET COMMITTEE

Mark Conkling  
Donald A. Rudy  
Perry Baird  
David Stoliker

PERSONNEL COMMITTEE

William C. "Dub" Yarbrough  
Steven A. House  
Bernard Metzgar  
David Stoliker

## Section 2

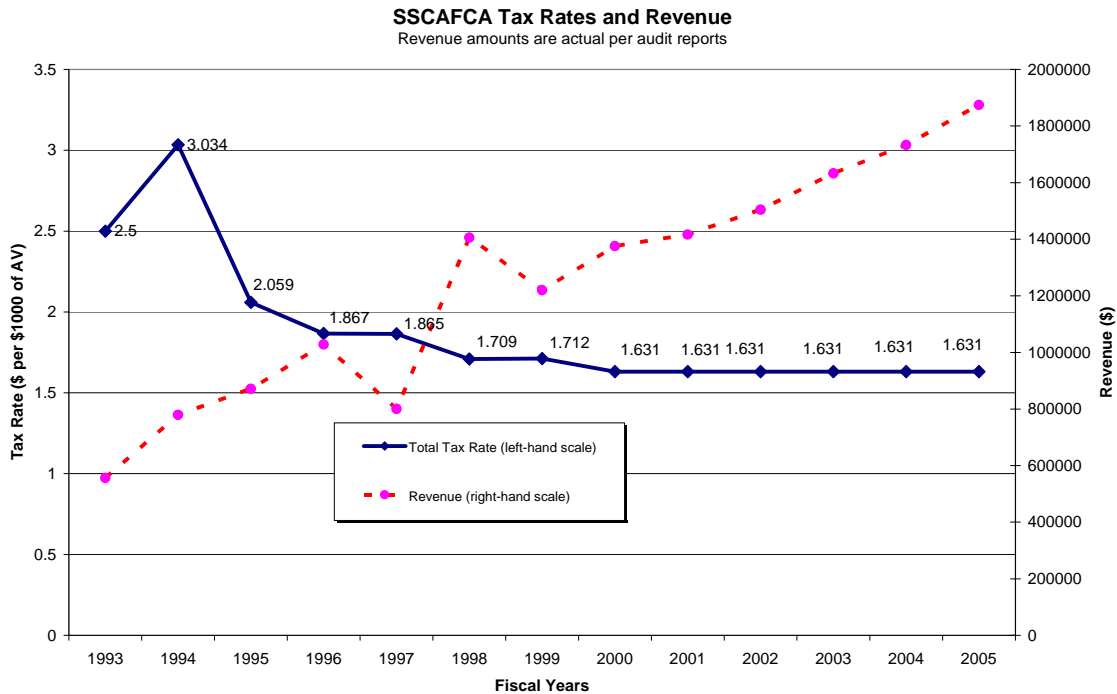
### FINANCIAL HIGHLIGHTS FOR 2005

**2.1 FY2005 BUDGET vs. ACTUAL** –SSCAFCA’s fiscal year begins July 1 and runs through June 30. The FY2005 budget was approved by the Board on July 20, 2004 and approved by the NM DFA Local Government Division (DFA-LGD) on August 13, 2004. With frugal management by staff, SSCAFCA was able to accomplish its mission and save \$354,793 in its general fund during FY2005, as shown in the table below.

	General Fund	Debt Service Fund	Construction Fund
Appropriations	\$1,235,423	\$796,748	\$3,332,5430
Actual expenditures	<u>880,630</u>	<u>796,748</u>	<u>318,508</u>
Surplus/(deficit)	\$354,793	0	\$3,014,035

**2.2 FY2006 BUDGET** – The FY2006 budget was approved by DFA-LGD on September 23, 2005. A copy of the approved FY2006 budget is included in this report. (SEE ATTACHMENT A)

Property tax rates for FY2006 are 0.761 mills for operations and 0.87 mills for debt service, which have remained constant since FY2000. A graph showing SSCAFCA’s tax rates and annual property tax revenue since inception is shown below. SSCAFCA’s total assessed property valuation went up 11.7% in Tax Year 2005 (FY2006) over Tax Year 2004 (FY2005).



## 2.3 BANKING AND CASH MANAGEMENT

Funds received by SSCAFCA are initially deposited into the Wells Fargo Bank checking account. Funds not needed for immediate disbursement are invested in the State Treasurer's Office Local Government Investment Program (LGIP). Interest rates on funds invested in the LGIP ranged from 1.87% in July 2004 to 2.72% in June 2005.

## 2.4 GENERAL OBLIGATION BONDS

SSCAFCA issued \$3 million of Series 2005 G.O. Bonds in February 2005, at an average interest rate of 3.67%, to pay for design of the Sportsplex Dam Site-\$1 million; Obregon & Saratoga Rd. right-of-way and improvements-\$500,000; and Lisbon Dam/Black Arroyo Watershed improvements-\$1.5 million. In addition, \$ 3 million of Series 2005A G.O. Bonds were issued in October of 2005, at an average interest rate of 3.70%, to pay for the remaining costs of the Sportsplex Dam project. The total \$6 million in G.O. Bonds issued in 2005 represents the total amount of bonds approved by the voters in November 2004.

- On January 19, 2005 Moody's investors Service upgraded SSCAFCA's G.O. Bonds to A1 from A2. This report stated, in part, " the rating upgrade reflects the Authority's considerable tax base and economic growth... the Authority's trend of strong financial operations with ample reserve levels and manageable debt levels."

In October 2005 Moody's reaffirmed SSCAFCA's A1 G.O. Bond rating.

## 2.5 ANNUAL FINANCIAL AUDIT

The CPA firm of Mackie, Reid and Co. completed their financial audit of SSCAFCA's accounts and records for the fiscal year ended June 30, 2005. The cost for the FY2005 audit was \$7,100. The auditor gave a "clean" opinion with no findings. The audit was approved by the Board on 12/16/05. A copy of the audit report can be obtained by contacting SSCAFCA and is available on our web site at [www.sscafca.org](http://www.sscafca.org).

## 2.6 Goals for 2006

- Increase ROW funding to purchase additional Right of Way
- Budget for a new Engineer

## Section 3

### ADMINISTRATION

**3.1 POLICY AND PROCEDURES REVIEW:** The Personnel Committee met 3 times in 2005 to review the Personnel policy.

### **3.2 CURRENT PROFESSIONAL SERVICES CONTRACTS:**

	<b>Contract Date</b>	<b>End Date</b>	<b>New RFP Required</b>
<b><u>Engineers</u></b>			
Stantec	2/19/2002	2/19/2006	Oct-05
Huitt Zollars	2/19/2002	2/19/2006	Oct-05
Bohannon Huston	2/19/2002	2/19/2006	Oct-05
ASCG	2/19/2002	2/19/2006	Oct-05
<b><u>Surveyors</u></b>			
Surveying Control	2/19/2002	2/19/2006	Oct-05
Huitt Zollars	2/19/2002	2/19/2006	Oct-05
Community Science	2/19/2002	2/19/2006	Oct-05
Bohannon Huston	2/19/2002	2/19/2006	Oct-05
ASTS	2/19/2002	2/19/2006	Oct-05
Albuquerque Survey	2/19/2002	2/19/2006	Oct-05
<b><u>Fencing Contract</u></b>			
Sunny Fence	2/17/2003	2/17/2007	Oct-06
<b><u>Janitorial Service</u></b>			
Connies Complete	8/1/2005	8/1/2009	May-09
<b><u>Legal Services</u></b>			
Bond Counsel <i>Hughes &amp; Strumor</i>	7/28/2003	7/28/2007	Mar-07
General Counsel <i>Lamb, Metzgar etc.</i>	6/18/2004	6/18/2008	Mar-08
<b><u>Landscape/Gardening and Maintenance Svcs.</u></b> <b>Santiago's Native Landscape Services</b>	3/18/2003	3/18/07	Jan 07
<b><u>Accountant</u></b>			
<i>P. Baird</i>	2/17/2004	2/17/2008	Nov-07

<b><u>Financial Advisors</u></b>					
<i>Dain Rauscher</i>	7/20/2004		7/20/2008		Apr-08
<b><u>Auditor</u></b>					
Mackie Reid	6//2005		Annual	\$7,800	Mar 06
<b><u>Appraisal Services</u></b>					
Roos & Owen	6/18/2004		6/18/2008		Mar-08
Godfrey	6/18/2004		6/18/2008		Mar-08
<b><u>Telecommunication</u></b>					
CDI	8/25/2004		8/25/2008		May-08
<b><u>Insurance Services</u></b>					
Manuel Lujan Agency	1/3/2005		1/3/09		Jan-09
NM Mutual W/C	9/17/2004		10/17/2005		
<b><u>Website</u></b>					
MIS	2/18/2003			\$20,000	
Peter Baston	9/14/2004			\$5,000	
<b><u>Copier Maintenance</u></b>					
Southwest Copy Sys	7/1/2004		Annual	July	
Imaging Concepts	3/1/2004		Annual	March	
<b><u>Executive Director</u></b>					
David Stoliker	8/17/2005		8/17/06		
<b><u>ROW Acquisition/Negotiation Services</u></b>					
TBE Group	4/19/2005		4/19/09		April 09
Pinnacle Mgmt. Group	4/15/2005		4/15/09		April 09
<b><u>HVAC Services</u></b>					
Active Refrigeration A/C & Heating Inc.	8/19/2005		Annual		
<b><u>Environmental Services</u></b>					
John Sigler	9/23/2005		Direct contract- no renewals.		



### 3.3 TRAINING AND EDUCATION

Staff members attended the following training and educational courses in 2005:

- Computer Training Classes
- Grant writing workshop
- Flood Plain Managers Training
- Sandoval County Leadership Training

### 3.4 CURRENT STAFFING

SSCAFCA currently employs 5 full time employees:

- David Stoliker, Executive Director
- Robert Foglesong, Drainage Engineer
- James Service, Field Operations Coordinator
- Laura Davis, Special Projects, R.O.W., Web Site Administrator
- Erica Baca, Administrative Assistant
- Kelsey Long, Summer Intern 6/05 – 7/05, a Sophomore at Rio Rancho H.S.



**Kelsey Long, Summer Intern**

### 3.5 MAJOR PURCHASES

Lateral Filing Cabinets

Flat Files for maps

Table and chairs for the kitchen

Computer system upgrade for the Administrative Assistant

Pick up truck

### 3.6 Governmental Accounting Standards Board (GASB)

Attachment E contains the approved, audited land and infrastructure summaries.

### 3.7 SUMMARY OF ACCOMPLISHMENTS

- The SSCAFCA boundaries were increased through legislative action to include a portion of Corrales that had been annexed into Sandoval County from Bernalillo County in 2005. As part of the boundary change, AMAFCA is to receive debt service repayments from land owners until its debt is repaid. It is anticipated that this will take 3 to 5 years to complete as AMAFCA is on a 4 year repayment schedule. A copy of the legislation is included as Attachment G.
- Resolution 2005-5 was approved by the Board, which establishes a unit price for sediment and excess earth removal from SSCAFCA facilities for sale to the public, together with Resolution 2005-6, which allows for the sale of this material.
- Large area-wide jurisdictional maps were prepared for Board members and mounted on the office walls.

### 3.7 Goals for 2006

- Get a designer on board to design an addition to the building for additional record storage.
- Complete a privacy wall around the office building
- Upgrade furniture in the conference room and Executive Directors office
- Upgrade at least one obsolete computer and printer
- Hire an additional Engineer
- Purchase window blinds for offices
- Initiate project tracking system
- Prepare for election of two Board members in 2006
- Establish a standardized system for all annual duties and responsibilities
- Participate in more public outreach programs
- Actively promote conservation of NM resources within the jurisdiction
- Establish an environmental section on the website
- Enroll in State Purchasing, Record retention and Open Meetings training courses
- Digitize contract files
- Upgrade current telephone system

## Section 4

### DEVELOPMENT AND PLANNING

#### 4.1 DEVELOPMENT

Development continued at a rapid pace during 2005. Major developments include:

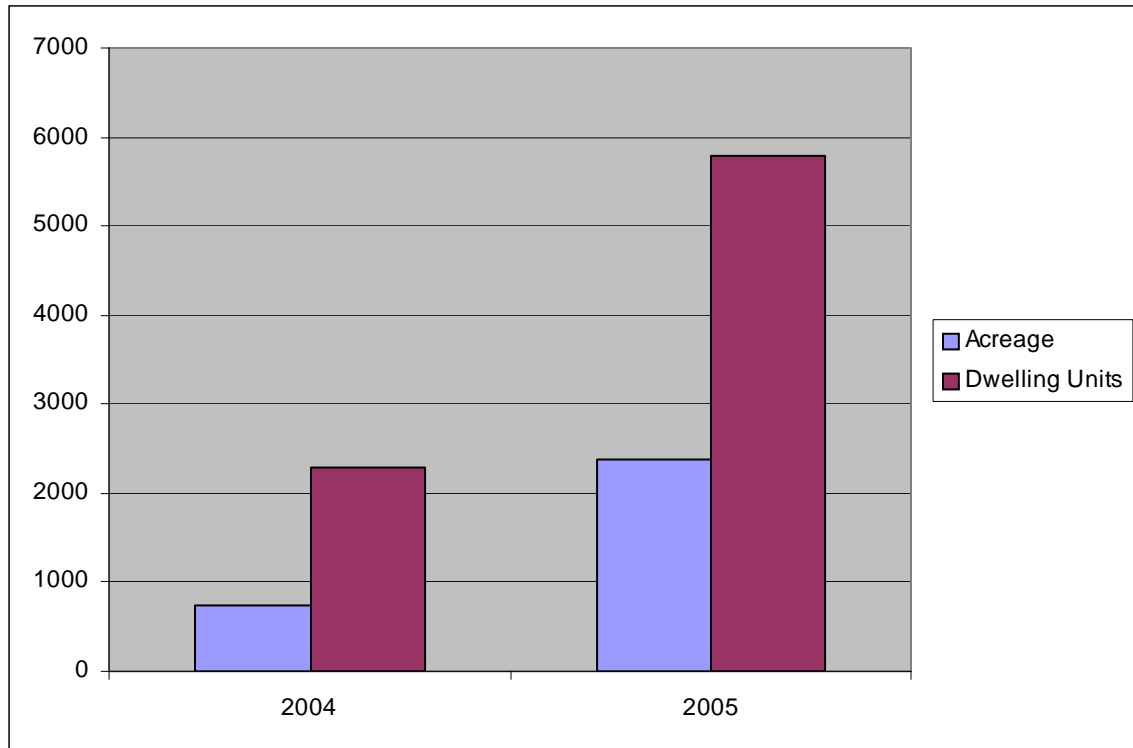
- The Board accepted the Rainbow Tributary Drainage Management Plan on January 25, 2005. This document was prepared by the City of Rio Rancho and SSCAFCA and addresses the drainage needs of the Rainbow Tributary from approximately Northern Boulevard, south to Southern Boulevard. This project was costs shared 50/50 between Rio Rancho & SSCAFCA through a Joint Powers agreement dated March 4, 2004 for a total cost of \$80,000.
- The Board accepted the Drainage Analysis for Unser Blvd. Improvements between Abrazo Road and Farol Road, together with the Drainage Analysis for Paseo del Volcan between Unser Blvd. and Iris Road. These documents were prepared for the City of Rio Rancho and provide drainage solutions for the forthcoming road widening from 2 to 4 lanes that are expected to be constructed during 2006.
- The development submittal tracking system was started to insure timely reviews of the development information submitted. From the beginning of 2005 through November 15, 2005, approximately 200 submittals were logged with an average response time of 11 calendar days. Attachment C is a partial listing of the submittal tracking log. SSCAFCA's Drainage Policy allows 30 calendar days for comment.
- Listed on the following page are the major developments that were reviewed for compliance with SSCAFCA's Drainage Policy with pertinent information.
- The Enchanted Hills Encantado Channel
- Enchanted Hill Dam 1 in Venada Arroyo, Sprint Blvd. Dam, Santa Fe Hills Dam and Chaote Dam should be accepted by SSCAFCA for operations and maintenance if areas in the Operations and Maintenance agreement are addressed.
- The Cabezon channel and the Cabezon drainage pipeline from Southern to Unit 17 Trailside Pond may be accepted by SSCAFCA for Operations and Maintenance, if the construction is completed to SSCAFCA's satisfaction.

- The facilities at Northern Meadows may also be ready for acceptance by the middle of 2006.
- The Joiner pipeline was finished in 2005 and will be accepted upon completion of the warranty period in 2006.

Major Subdivisions Reviewed by SSCAFCA in 2005

<u>Subdivision</u>	<u>Acreage</u>	<u>Dwelling Units</u>
Northern Meadows Unit 12	50	285
Northern Meadows Unit 16	151	190
Hawk Site Tracts 33/34	52.69	276
Los Pinons	35.32	135
Lomas Encantadas Drainage Management Plan	722	1591
Mariposa-Vista Sandia Subdivision	21.56	100
Cabazon-Corazon Subdivision	71	252
Cabazon-Rancho Oro/Rancho Plata Unit 2	50.33	240
Special Assessment District 6	263	400
Arrowhead East	92	225
Holt Court & Jade Court Drainage Report	14	12
Southern & Unser Plaza	18	12
Wal-mart Store #3732-00	20	4
Mariposa-Sierra Vista Subdivision	15	54
Cielo Norte Subdivision	35.5	179
Diamond Ridge	61	136
The Orchards	168	729
Loma Colorado	<u>443</u>	<u>975</u>
Total	2283.4	5795

- As shown in the following graph, the area and dwelling units in development more than doubled from the previous year.



#### 4.2 PLANNING

SSCAFCA's planning efforts for 2005 were targeted at staying ahead of development within the jurisdiction. To that end, the Board authorized the following planning projects:

- The Barrancas Watershed Management Plan was initiated by the Board at the April 2005 meeting at the request of Rio Rancho and in anticipation of the Paseo del Volcan roadway and the City Center developments. The Barrancas Watershed drains to the Rio Grande through Rivers Edge and extends west to the Mariposa development and lies between the Montoyas and Venada Watersheds. The majority of Unit 17 of Rio Rancho Estates is located within the Barrancas. The majority of single-family residential construction within antiquated platted areas occurs within Unit 17. Also, the City of Rio Rancho's new city hall development straddles the Barrancas and Montoyas Watersheds, which is spurring development in this area. It is anticipated that the Barrancas WMP will be presented to the Board in 2006 for acceptance.

- The Lomas Negras, Sportsplex, Lisbon, Sunset Sugar and 19<sup>th</sup> Ave. Dam conceptual design reports were completed and accepted by the Board. These dams are within the Black and Montoya's Watersheds and were identified in the Black and Montoya's Watershed Management Plans as high priorities. Right-of-way acquisition for these facilities was initiated based on these reports. Also, within the Black Watershed, developments at the northwest and southwest corner of Unser Blvd. and Southern Blvd. together with the Cabezón development spurred the development of the 19<sup>th</sup> Avenue Dam Conceptual Design Report, which was accepted by the Board on December 16, 2005.
- On May 20, 2005, the Board initiated the Quality of Life Arroyo Flood Control Planning project at a cost of \$150,000. This project will look at planning for a multitude of uses anticipated in SSCAFCA's arroyo rights-of-way including: utilities, recreational uses, open space, etcetera. SSCAFCA is working with the local jurisdictions to develop this plan.

#### 4.3 Goals for 2006

- Complete the Barrancas Arroyo Watershed Management Plan and distribute for approvals to the City of Rio Rancho. Perform a technical evaluation of on-lot ponds for single lot development as part of the Barrancas Arroyo Watershed Management Plan.
- Complete the Quality of Life Arroyo Flood Control Planning project and distribute it for approval/acceptance by the other governments within SSCAFCA's jurisdiction.
- Update mapping with a fly-over of SSCAFCA's jurisdiction.

MARIPOSA SUBDIVISION



Plunge pool 1 at Mariposa in May 2005



PLUNGE POOL 1 ON JUNE 7, 2005

Rip Rap drop structure constructed in the Venada Arroyo tributary in the Mariposa Subdivision





CABEZON SUBDIVISION: On May 10, 2005 work began on the east branch of the Cabezon Channel



This is a view of the east branch channel looking south from Cabezon Boulevard. Very few rocks of any size were found during the initial excavation with very erosive sand being the prevalent soil type.



East branch of the Cabezon Channel in Rio Rancho under construction.

## CABEZON CHANNEL



The east branch of the Cabezón channel was started at the beginning of the spring. Unfortunately the Amole channel was also started about that time for AMAFCA which was using the same contractor as Cabezón. Therefore the time and materials were split between the two jobs which meant the projected completion date was not met. The channel was substantially completed by the end of January 2006.

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*Project: East Branch Channel*

*Project No: X4218012*

*Contractor: Salls Brothers*



**Work continued on the east branch of the Cabezon Channel.**

## CABEZON CHANNEL

**WILSON  
& COMPANY**  
ENGINEERS & ARCHITECTS

*Construction Administration Program*

*Project: East Branch Channel*

*Project No: X4218012*

*Contractor: Salls Brothers*

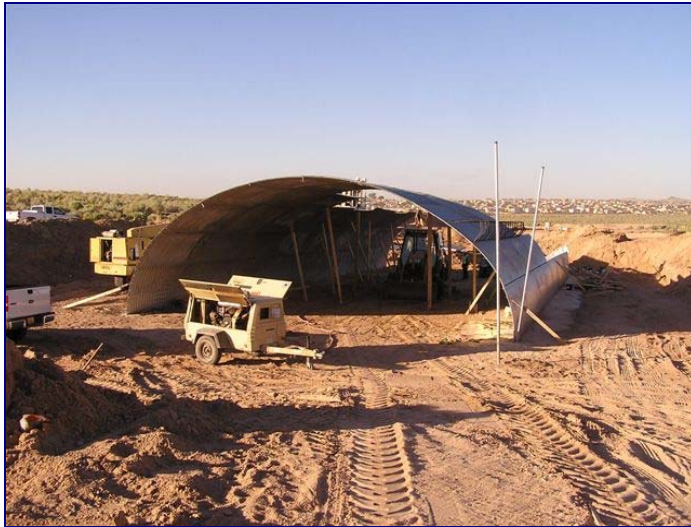


## CABEZON CHANNEL



**Work on the Multi-Plate begins in the east branch of the Cabezon Channel.**

## East branch of the Cabezon Channel



Multi Plate at the east branch of the Cabezon Channel August/September 05



Looking north from the Multi Plate

## East branch of the Cabezon Channel



Looking south from the Multi Plate



The completed Multi-Plate in December 2005



## OBREGON ROAD/ENCHANTED HILLS ELEMENTARY SCHOOL PROJECT

Bids were taken on May 18, 2005 for contractors to complete the drainage improvements for Enchanted Hills Elementary School and Obregon Road. The project was completed in August 2005, right on schedule.



The work begins in May 2005 on the Obregon Road-Enchanted Hills Elementary School drainage improvements



Inside the culvert being installed on Obregon Road



Obregon Road construction

## Obregon Road Construction



Repaving Obregon Road in July 2005

## Enchanted Hills School Obregon Road Drainage



### **Enchanted Hills Elementary School / Obregon Road project**

This project put your tax dollars to work by constructing storm drain pipes in Obregon Road. This plan is to protect the Enchanted

Hills Elementary school and Obregon Road from flooding. The project was approved by the public in the 2004 SSCAFCA Bond Election. For a copy of the brochure for this project, please see attachment D.



**The final steps for Obregon Road/Enchanted Hills Elementary School Road project.**

The Santiago (Orchards) Subdivision located on the western edge of the Town of Bernalillo



## Section 5

### 5.1 RIGHT OF WAY

In order to construct the necessary flood control infrastructure identified in approved drainage plans, right of way must be purchased. Following is the current prioritized list of ROW acquisitions.

### 5.2 ROW PROJECTS

ROW SUMMARY 2005			
2005 Status	Priority	Total Projected Costs	Cumulative Costs
Iliff Property	1	\$82,500	\$82,500
Pilgrim Property	2	\$36,520	\$119,020
Sportsplex Dam	3	\$207,595	\$326,615
Sunset Dam	4	\$135,565	\$462,180
19th Ave. Dam	5	\$396,732	\$858,912
Sugar Dam	6	\$140,500	\$999,412
Lisbon Dam	7	\$323,077	\$1,322,489
<b>Total</b>		<b>\$1,322,489</b>	

1. Sportsplex Dam is located west of Hwy. 528 on High Resort Blvd.
2. Sunset Dam is located at the Sunset Arroyo at Inca, Idalia & Tulip Roads in Rio Rancho. Property for the Sunset Dam was named as the number one priority for acquisition.
3. 19<sup>th</sup> Ave. Dam is located on 19<sup>th</sup> Ave. and Unser.
4. Sugar Dam site is located at the corner of Idalia and 10<sup>th</sup> St. in Rio Rancho.
5. Lisbon Dam site is located on the Lisbon Arroyo at Inca, Idalia & Tulip Roads in Rio Rancho.

### 5.3 RIGHT OF WAY ACCOMPLISHMENTS

- Property declared as excess was put up for sale by the Authority. Lot 1-A in Corrales Heights was sold at auction in 2004 for \$56,000. The sale was approved by the State Department of Finance and closed in January of 2005.
- Additional sales were in Unit 17, Block 168, Lots 6A, 7 & 8 in Rio Rancho , purchased for \$108,000, and 2.14 acres in Corrales N.M. purchased for \$85,728.
- Unit 17, Block 166, Lot 5 was declared excess in May. The property will be auctioned at an as yet undetermined time.
- An RFP was published in February for right of way acquisition/negotiation services contractor. Two firms were chosen: The Pinnacle Management Group and TBE Group.
- Property in the Venada, Black and Barrancas watersheds have been donated to SSCAFCA by AMREP SW. To date AMREP has donated the entire Venada arroyo and a good part of the Montoya's arroyo. On April 15, 2005, 43 acres of arroyo bottom in the Black arroyo and 173 acres of arroyo bottom in the La Barranca arroyo were accepted as land donations by the Board of Directors.

### 5.4 Goals for 2006

- Establish a priority listing for Right of Way purchasing
- Increase ROW acquisition funding in general budget.
- Prepare a ROW acquisition manual
- Re-plat and clean up as many SSCAFCA owned lots and easements as possible.
- Continue to purchase property within the Sunset, Sugar, Lisbon and other Dam Sites.
- Prepare an Annual Right of Way Report on the status of all SSCAFCA ROW.

See attached item F, ROW Budget Summary and maps

## Section 6

### DESIGN AND CONSTRUCTION

#### 6.1 PROJECTS

During 2005, the following design and construction projects were started, continued or completed:

- Completed initial design standards for SSCAFCA signage and NPDES storm water quality facilities.
- Continued designs for the Sugar Dam, Sportsplex Dam, 19<sup>th</sup> Avenue Dam sites and the Saratoga Road Culvert crossing of the Lomitas Negras Arroyo..
- Constructed the Obregon Road/Enchanted Hills Elementary School pipeline project at a final cost of \$300,000. The project was constructed in 90 days and completed on time on August 18, 2005.

#### 6.2 OBREGON ROAD/ ENCHANTED HILLS ELEMENTARY SCHOOL

SSCAFCA was able to complete the Enchanted Hills Elementary School bond project this year. A 36" and 42" RCP was installed along the north side of Obregon Road from the west end of the school to the east end of the ball field parking lot. The pipe ends in a Bureau of Reclamation designed energy dissipator at the Lomitas Negras.



#### 6.3 Goals for 2006:

- Complete designs on the Sugar Dam, Sportsplex Dam and 19<sup>th</sup> Ave. Dam.
- Construct the Saratoga Road crossing of the Lomitas Negras.
- Start construction of the Sportsplex Dam
- Continue work on SSCAFCA standard design details, as needed.
- Prepare RFP for on-call concrete work on SSCAFCA facilities.



Construction in Unit 15, Northern Meadows



## Section 7

### OPERATIONS AND MAINTENANCE

#### 7.1 ACTIVITIES

SSCAFCA's Operations and Maintenance activities are conducted by staff and by contract to a New Mexico landscaping service. SSCAFCA currently has 16 structures that it maintains year round:

<u>Structure</u>	<u>Acres</u>	<u>Yr.Built</u>
• Urban Dam B at Trinity Estates	6.8	2001
• Urban Ponds A at Stephanie	1.8	2001
• Urban Pond C at Loma Larga	1.0	2001
• Tree Farm Dam A at Meadowlark	3.1	2000
• Tree Farm Pond B at Loma Larga	1.65	2000
• Dam 1 in Corrales Heights	34.9	1999
• Outlet to the Los Montoyas	25	1999
• Harvey Jones Channel	58	1988
• Dulcilena Curtis Channel	52	1991
• Venada Arroyo	16.5	1998
• Ivory Channel	1.4	2003
• Roskos Field	4.1	2001
• Unit 20 "Joiner" pipeline	5.6	2004
• Obregon Road drainage system	2.3	2005
• Northern Sedimentation Pond	4.55	1993.

Santiago's Native Landscape Services is contracted to SSCAFCA for the day to day maintenance of its facilities. Santiago's and SSCAFCA entered into the contract in March of 2003. Their contract was extended in 2004 and in 2005. Normal maintenance activities included: sediment removal from low flow swales in all structures; cleaning out of all outlet structures; removal of trees and shrubs from inlet structures; removal of graffiti; upgrading structures through the placement of rip rap and crusher fines in erosion courses; maintaining the natural wetland vegetation in both the forebay and the wetland pond at Roskos Field; trash and debris removal from the lower Venada in conjunction with the Friends of Rio Rancho Open Space; removal of debris from arroyos in conjunction with the City of Rio Rancho Parks Department; and trash removal from all structures after storm events.

## 7.2 FENCING

SSCAFCA was able to complete four fencing projects this year.

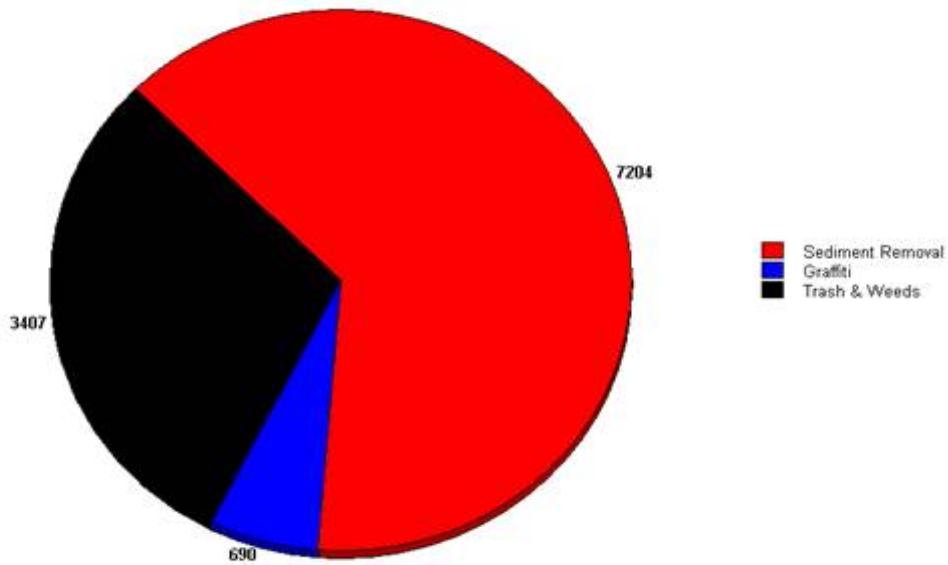
- The lower Venada arroyo at the Tenorio property fencing was completed.
- The Unit 20 Joiner Pipeline was fenced from NM 528 to the end of our easement.
- The south side of the HJC at the west end was completed in cooperation with the Village of Corrales.
- Pipe gates were erected at the boundary of the DCC and Rio Rancho, north side of the HJC and TFP 'B'.

The following is a cost distribution comparison among years 2003, 2004 and 2005 of the structures SCAFCA currently maintains.

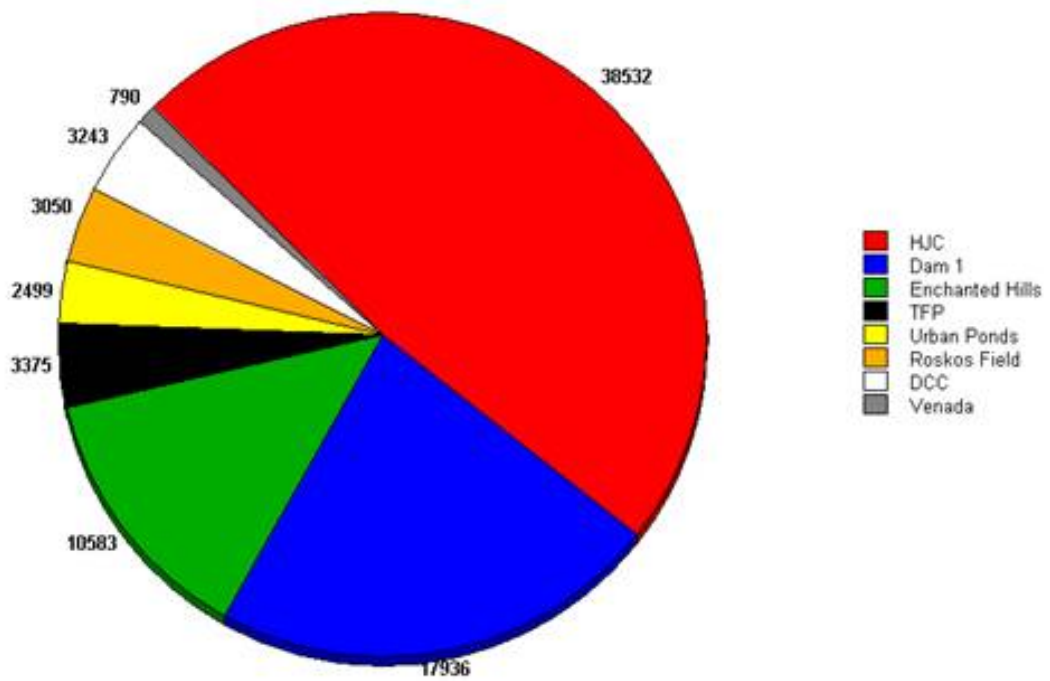
Structure	Graffiti '03	Graffiti '04	Routine '03 Maintenance	Routine '04 Maintenance	Structural Repairs '03	Structural Repairs '04
Tree Farm Ponds	0	0	\$3548	\$3,375	0	0
Urban Ponds	0	0	\$6696	\$2,499	0	0
Dams 4&1	\$825	\$587	\$9115	\$6,034	\$2985	\$10,427
Harvey Jones Channel	0	0	\$6212	\$11,665	0	\$4,684
Dulce Curtis Channel	\$325	\$254	\$1211	\$958	0	\$2,031
Enchanted Hills	\$325	\$690	\$1220	\$1,309	0	0
Venada Arroyo	\$525	0	\$2325	\$790	0	0
Ivory Channel	0	0	\$324	\$750	0	0
Northern Sed. Pond	\$550	\$250	\$1012	\$350	0	0
Roskos Field	0	0	\$1125	\$2,450	0	\$600
<b>TOTAL</b>	<b>\$2,550.00</b>	<b>\$1,781.00</b>	<b>\$32,788.00</b>	<b>\$30,180.00</b>	<b>\$2,985.00</b>	<b>\$17,742.00</b>

Below are pie and bar charts for total expenditures and selected individual structures:

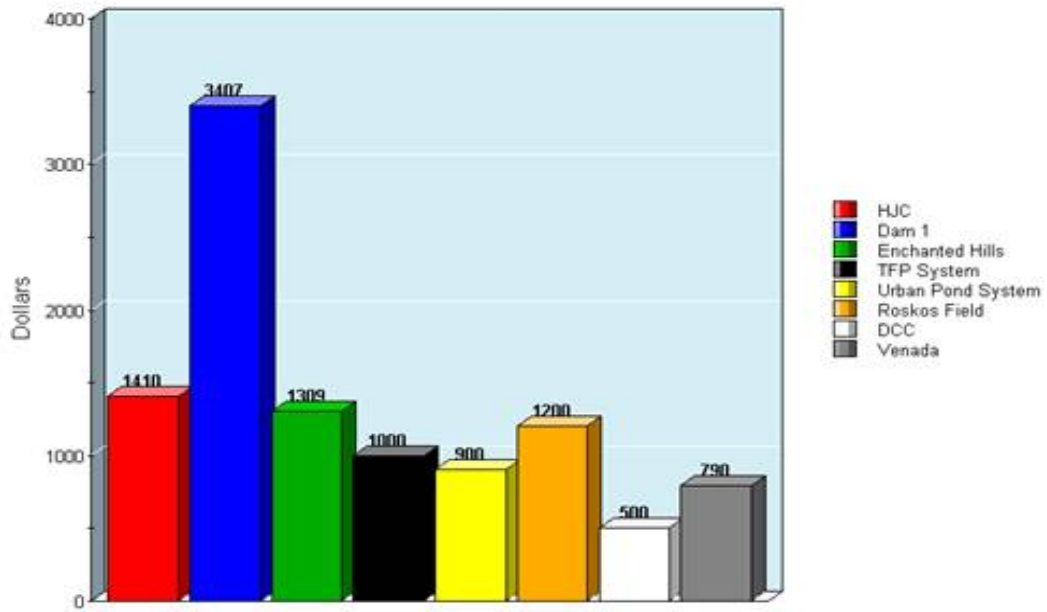
### Cost Distribution for Enchanted Hills



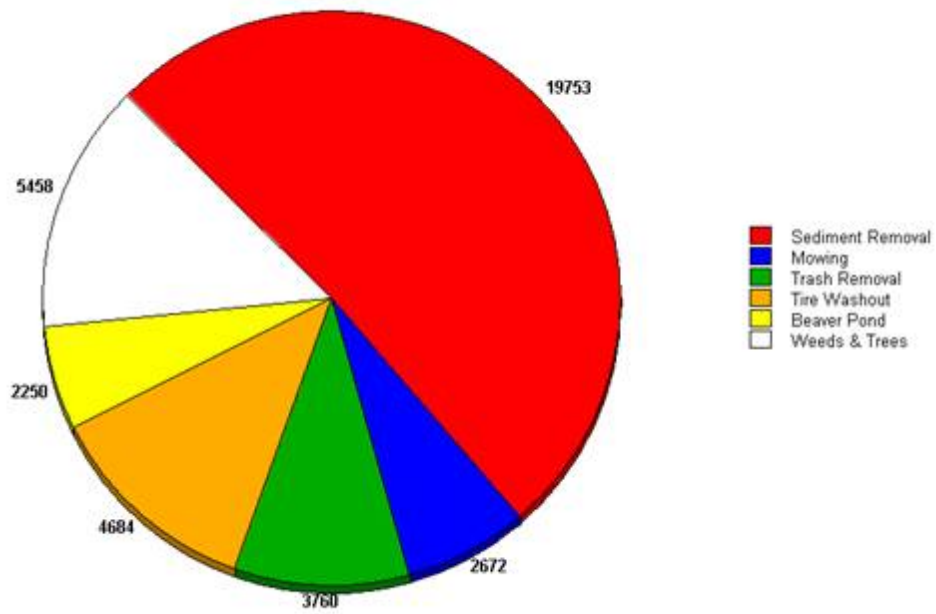
### 2004 O&M Expenses



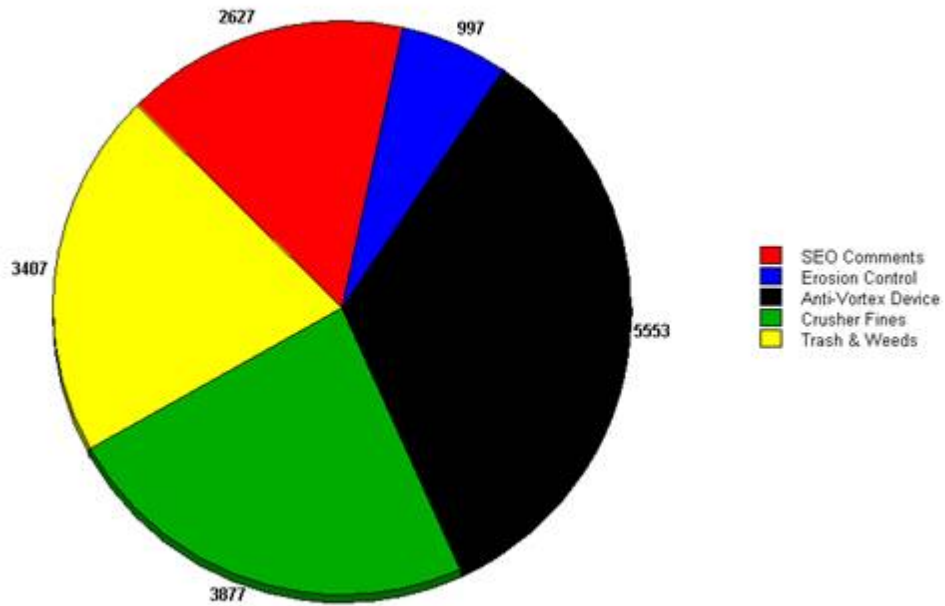
**Dollars on Trash Collection per Structure**



**Cost Distribution for HJC**



### Cost Distribution for Dam 1



State Representative Tom Udall and Mayors Owen & Kanin chat under a Bat House at Tree Farm Pond

## Section 8

### THE ENVIRONMENT



#### 8.1 BATS/MOSQUITOES

Once again during the summer the West Nile virus made its way through New Mexico causing concern for standing water. Most of SSCAFCA's facilities completely drain within 96 hours. The only major facility that does not completely drain is the Harvey Jones outlet from the Corrales Road bridge to the end of the outlet. This area retains water until it can evaporate. SSCAFCA is utilizing a unique MMF pesticide spray which targets all phases of the mosquito life cycle and Altosid long-lasting dunks which also targets all phases of mosquito growth and lasts up to three months.

SSCAFCA has erected bat houses at the outlet to the Harvey Jones, the inlet to the Harvey Jones, Tree Farm Dam A, and Dam 1 in Corrales Heights. Unfortunately this year Mr. James McCaulkey, the head of the BATS program in Corrales passed away. His daughter has taken up the mantle and is enlarging the project. SSCAFCA did have bats in the houses at the HJC outlet and the HJC inlet. Staff will continue to explore alternatives for mosquito control and implement the most effective and environmentally safe methods available.

#### 8.2 BOSQUE CLEAN UP

SSCAFCA, the City of Rio Rancho and the Friends of Rio Rancho Open Space joined together in 2004 in an effort to remove non-native species and trash from the bosque at the outlet to the Venada Arroyo. Because SSCAFCA was given an easement over this area, SSCAFCA committed \$20,000 to this effort of which \$19,995.91 was

expended. A total of 8.5 acres of bosque were able to be cleared which means that storm water can flow unrestricted to the Rio Grande from Rivers Edge One to the Venada outlet is now free of non-native vegetation. This project was completed in March of 2005.

#### 8.3 NPDES

Successfully completed the second year of the NPDES Storm Water Quality Program and are in

full compliance with the program requirements.

## Section 9

### READS (RAINFALL EVENTS AND DATA SYSTEM)

This year was a continuation of the drought in southern Sandoval County. The monthly averages for the volunteer rain gauges were as follows: January, .22"; February .1.23"; March .98"; April 2.30"; May 0"; June .92"; July 1.46"; August .91"; September .85"; October .1.81"; November .94" December .23". The average monthly total was .987". The highest monthly total was 2.14" (in 24hours) in April in Corrales followed by 1.65" in April in Rio Rancho by the golf course. SSCAFCA would like to thank all of the volunteer participants for their data and their perseverance

The seven data logging stations recorded the following monthly highs: Enchanted Hills: April 1.24", July 1.71" with a yearly average of .73". Rainbow Pool: April 2.32", September 1.71", yearly average of .89". Sandoval County Public Works: July 2.33", April 1.62", yearly average of .83". Rio Rancho Senior Center: April 2.01", August 1.50", yearly average of .86". Village of Corrales: September 1.69", July 1.42", yearly average of .77". Well#8 in Rio Rancho: April 2.02", September 1.71", yearly average of .78". SSCAFCA office building in Rio Rancho: April 2.86", September 1.47", yearly average of .87".



This cistern is used to capture rainwater and irrigate plants on the grounds of the SSCAFCA office and is located on the north side of the building.

## Section 10 THE YEAR IN PICTURES

READS breakfast, April 9, 2005



The READS (Rainfall Event And Data System) Breakfast is held annually at the SSCAFCA office to thank our volunteers for their efforts throughout the year collecting and monitoring rainfall data.



## READS BREAKFAST



We wish to give special thanks to Mr. Hoyt Hart for his informative and amusing presentation. The volunteers were impressed with all the data they received during this short presentation.



## REMOVING LITTER AND DEBRIS IN THE ARROYOS



February 18, 2005 SSCAFCA participated in the "Keep Rio Rancho Beautiful" program to help in the clean up of eleven tons of trash from the Venada Arroyo.



May 7, 2005 SSCAFCA took part in the Earth Festival, hosted by the City of Rio Rancho. This event was held at Veterans Park in Rio Rancho. Participants displayed various water saving devices, erosion control materials and a variety of plants that flourish in an arid climate.

## CLEANING THE HARVEY JONES CHANNEL INLET IN CORRALES



Cleaning the Harvey Jones Channel Inlet in November 2005



22 acres of the Harvey Jones Channel inlet is programmed for cleaning two times per year and inspected after every major rain event ( $\frac{1}{2}$  inch or more)



## December 16, 2005 Final Board Meeting for 2005...

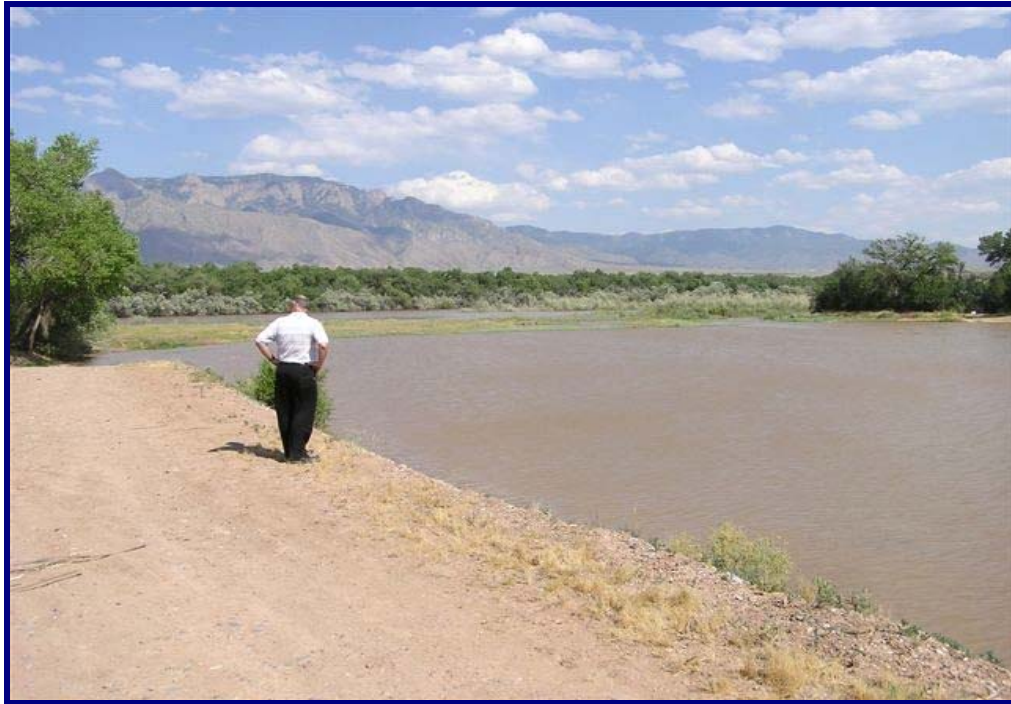


Former Board Member, Richard Deubel receives a public service award from the Board.



Administrative Assistant, Erica Baca proudly receives the award for outstanding employee.

## Harvey Jones Channel in Corrales



High water levels in the Harvey Jones Channel during the spring of 2005 led to some concern for flooding-

*Responsibility for flood control within our jurisdiction is the cornerstone of the Authority.*

### IMPORTANT EVENTS OF 2005

- *Legislation was passed changing the SSCAFCA boundaries.*
- *Drainage improvements were completed at Enchanted Hills Elementary School and Obregon Road.*
- *Kelsey Long joined the staff as summer intern.*
- *Approval was given by the Board of Directors to hire an additional Engineer.*
- *The average staff longevity with SSCAFCA is approaching 5 years. All staff positions were retained in 2005.*
- *Color jurisdictional/informational Maps have been produced expressly for SSCAFCA*

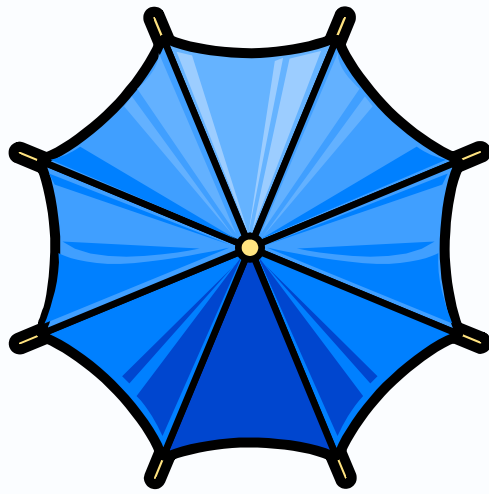
Posted atop SSCAFCA's building, a quail stands guard



### SSCAFCA's Original Goals and Commitments

- To provide flood protection up to the 100 year storm for the public health, safety and welfare of residents and properties within our boundaries.
- To recognize the value of land purchased or controlled for floodways as areas with multi-use potential.
- To reduce sediment and erosion within the boundaries of the flood control authority.
- To assist in the coordination of flood control with other entities for the common good of the public.

SSCAFCA



Southern Sandoval County  
Arroyo Flood Control Authority