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**JUNE 2003** 

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Editor: Margaret Garcia

The General Manager's Report is published monthly.

#### Our Mission:

The Authority is committed to manage and protect the Edwards Aquifer system and work with others to ensure the entire region of a sustainable, adequate, high quality, and cost effective supply of water, now, and in the future.

# EDWARDS AQUIFER AUTHORITY

# GENERAL MANAGER'S REPORT



# Legislative Session Ends; Authority Directors Left to Solve Pumping Cap Dilemma

In early 2003, Edwards Aquifer Authority directors voted to ask the legislature to adopt several amendments to the Edwards Aquifer Authority Act (the Act). Among the amendments, the most critical ones would have increased the 450,000 acre-foot pumping cap, eliminated the reduction of region-wide pumping to 400,000 acre-feet, allowed irrigators to transfer all of their groundwater rights with some restrictions, validated all groundwater transfers made prior to the effective date of these amendments, and established residency requirements for candidates seeking appointment or election to the Authority's board of directors. Representative Robert Puente of San Antonio filed House Bill No. 3586 and Senator Jeff Wentworth of San Antonio filed Senate Bill No. 1914, a companion bill in the Senate, seeking these changes to the Act. None of these amendments passed the legislature.

House Bill No. 3586 was passed by the House Natural Resources Committee but was never placed on the House calendar and died when the House failed to reach a quorum and the deadline for carrying House bills on second reading expired. Senate Bill No. 1914 passed the Senate Natural Resources Committee but was not heard by the full Senate and died when the deadline for hearing Senate bills in the House expired. During the

(continued on next page)

### Message from General Manager Gregory M. Ellis (continued)

process of negotiating amendments to these two bills, legislators settled on language to delay implementation of the two pumping caps to January 1, 2008, and January 1, 2010, respectively, rather than increase or eliminate them altogether. The pumping cap amendments are necessary because the Authority's enabling statute requires the Authority to limit groundwater withdrawal permits to 450,000 acre-feet per year.

Progress on the Authority's legislative pumping cap proposal was quickly overshadowed by discussions regarding the Authority's current and future roles in Edwards Aquifer water quality protection. Ultimately, negotiations about the water quality provisions of the Act effectively delayed discussions about all other Authority Act amendments until the very end of session. Senator Ken Armbrister of Victoria amended House Bill No. 3035 filed by Representative Robby Cook, of Eagle Lake, to include some of the amendments to the Act and could have extended the deadline for the Authority to meet the pumping caps. However, this bill died when the House referred the bill back to conference committee with no time left for action on June 1, 2003.

The Authority now has the following options: 1) continue to issue permits in excess of the 450,000 acre-foot pumping cap; 2) proportionately reduce all permits without compensating the permittees; 3) proportionately reduce with compensation and increase 2004 aquifer management fees; or 4) vote to raise the pumping cap. Each of these actions could lead to litigation.

Only one amendment to the Act, passed during the 78th Session of the Texas Legislature, was contained in House Bill No. 2455 filed by Representative Warren Chisum of Pampa, commonly called "The Sunset Bill." Each interim the Sunset Commission is charged with reviewing various state agencies to determine whether they should continue in operation. The Act as originally passed in 1993 requires the Authority board to undergo sunset review in 2005. Sunset Commission staff amended the Sunset Bill to repeal provisions requiring sunset review for four agencies including the Edwards Aquifer Authority Board of Directors.

The only other bill to pass that directly affects Authority operations is House Bill No. 2130 filed by Representative Edmund Kuempel of Seguin. Senator Armbrister amended that bill to add a provision that states a district or authority that regulates groundwater withdrawals in five or more counties "may not impose permit requirements on or otherwise regulate a 'project in progress' ...." According to the language in the bill, "A project is considered in progress if a permit or other form of authorization establishing vested rights for the project pursuant to Chapter 245, Local Government Code, was in effect in the area of the authority's jurisdiction as of the rule's adoption date, whether before, on, or after the effective date of this Act."

Authority directors will discuss whether to seek any legislative changes during any special sessions that may occur.

With the help of this publication, I will keep you informed of all activities that may ultimately affect the Authority. If you would like more information, contact the Public Affairs Office at (210) 222-2204 or 1-800-292-1047 or visit us on the web at www.edwardsaquifer.org.

# Edwards Aquifer Optimization Program Update

by John Hoyt, Program Manager Aquifer Science The basic description and purpose of the Edward Aquifer Optimization Program (EAOP) is repeated in the following paragraph to provide background information for new readers and to provide a reference for the regular reader. Subsequent paragraphs provide information relevant to the specific report month.

The Edwards Aquifer Authority (the Authority) has undertaken the Edwards Aquifer Optimization Program (EAOP), a comprehensive program for the study and management of the Edwards Aguifer. The EAOP includes a series of 17 interrelated, mission-directed biologic and hydrogeologic research studies known as the Optimization Technical Studies (OTS). The OTS are designed to evaluate potential technical options for increasing the amount of water stored in the Edwards Aquifer and identify various methods for optimizing the amount of water available for withdrawal. Data and information obtained from the OTS will provide aguifer managers with the tools necessary to make scientifically-sound decisions to benefit aquifer users and preserve the environment supported by

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### **Edwards Aquifer Optimization Program Update** (continued)

by John Hoyt, Program Manager - Aquifer Science



the aquifer, including the Comal and San Marcos springs and downstream aquatic habitats.

In May 2003, the board of directors approved one OTS-related item. The board voted to approve Amendment No. 7 to the contract between the Authority and BIO-WEST, Inc. The contract is titled: Comprehensive and Critical Period Monitoring Program to Evaluate the Effects of Variable Flow on Biological Resources in the Comal and San Marcos Springs Aquatic Ecosystems. Amendment No. 7 to the contract is for an aquatic vegetation laboratory study to evaluate the effects of low springflow on aquatic vegetation, the preferred habitat for endangered species. BIO-WEST will work with the National Fish Hatchery & Technology Center (NFHTC) in San Marcos to complete the study. The facilities at the NFHTC will allow BIO-WEST to place plants in various flow regimes, simulating both normal and low flows.

The OTS-related studies currently underway or completed include the following:

- Texas wild-rice reproduction.
- Comprehensive and Critical Period Monitoring Program to Evaluate the Effects of Variable Flow on Biological Resources in the Comal and San Marcos Springs Ecosystems.
- Cagle's Map Turtle instream flow and habitat requirements (completed).
- Edwards Aquifer computer model development.
- Improved aquifer parameter estimation for computer model in-put data sets (completed)
- Edwards Aquifer freshwater/saline water interface studies.
- Hydrologic budget analysis of Medina Lake and Diversion Lake for the North Medina County Flow Path Study.
- Electromagnetic survey in the vicinity of Seco Sinkhole.
- Analysis of structural controls on the Edwards and Trinity aquifers interface in the Camp Bullis Quadrangle and surrounding area.
- Tracer testing of aquifer flowpaths at Comal and San Marcos springs.
- Leona Formation geophysical survey.
- Development of updated methods for calculating recharge to the Edwards Aquifer (Blanco and Nueces River basins completed).
- Statistical Analysis of Hydrologic Data (completed).
- Edwards Aquifer fracture/conduit study.
- Evaluation of water quality and water quantity benefits of woody species best management practices on selected watersheds in the Edwards Aquifer region.
- Evaluation of augmentation methodologies in support of in-situ refugia at Comal and San Marcos springs.

If you have questions regarding the EAOP or studies listed above, please call John Hoyt, Aquifer Science Program Manager.

### Real-time Precipitation Gauging System.

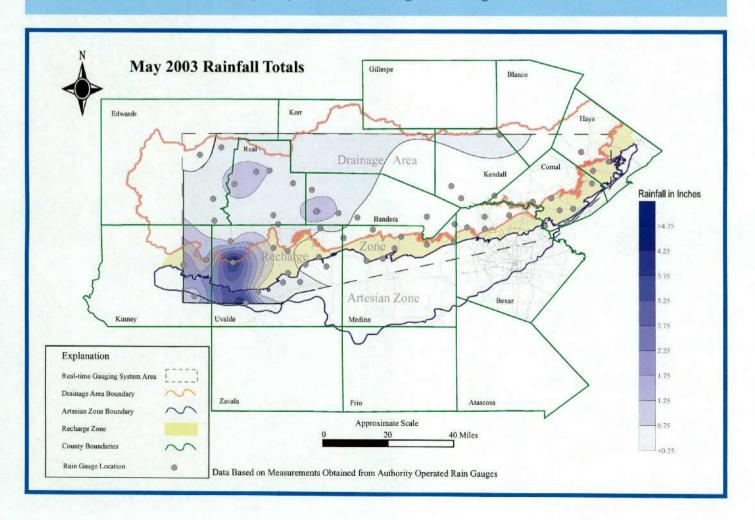
by John Hoyt, Program Manager - Aquifer Science

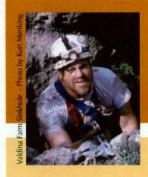
The Authority operates 65 "real-time" precipitation gauges that transmit data to the Authority office every six minutes. The rain gauges are generally located over the Edwards Aquifer Recharge Zone and drainage area. Acquired data are used in Edwards Aquifer recharge calculations, precipitation enhancement program evaluations, and a variety of research projects.

Authority contractors installed the system in the mid-1990s and the system has been maintained by Authority staff since 2000. System operation is reviewed daily and repairs are made by Authority staff as required. Data from the system are reviewed and validated on a monthly basis. To make the public aware of these valuable data, Authority staff will include a map of the monthly rainfall totals in the General Manager's report beginning with this issue.

The attached map of the May 2003 rainfall totals, as recorded by the real-time gauging system, indicates that less than one-quarter inch of rain fell in Medina County and points east. A significant rainfall event was recorded in the southwestern portion of the rain gauge system area. These rainfall totals are generally consistent with rainfall recorded by other entities in May 2003.

If you have questions regarding the attached map or the Authority's real-time precipitation gauging system, please call Mr. John Hoyt, Aquifer Science Program Manager.

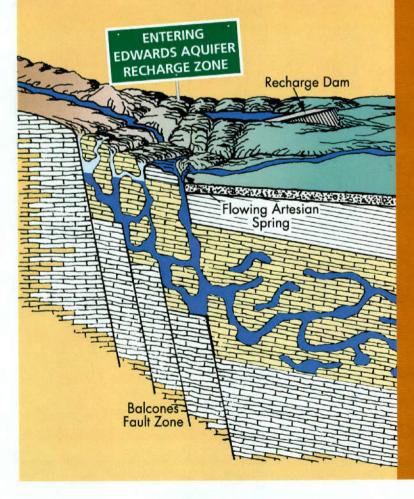




# **Inside the Edwards Aquifer**

with Geary M. Schindel, Chief Technical Officer

The Recharge Zone and the Authority's Geographic Information System



Over the last couple of years, there have been a number of public discussions regarding the Edwards Aquifer Recharge Zone – what it is? Where it is? Etc. I wanted to use this column to give some working definitions of the recharge zone and to introduce the Authority's new Internet web initiative lead by Stephen Kovach, the Authority's Geographic Information System (GIS) Analyst.

### What is the Recharge Zone?

The Edwards Aguifer Recharge Zone is the area where the Edwards Limestone and associated units are exposed at or just beneath the surface of the earth. The Recharge Zone is noted for its thin soils and presence of caves, sinking streams and sinkholes. Groundwater movement in this area occurs in secondary porosity features and can result in rapid recharge of the aquifer. Most of the recharge of the aquifer originates as surface streams on the Contributing Zone, then flows across the Recharge Zone and loses water to the subsurface. During dry conditions, many surface streams lose all of their water to the aguifer. During large storm events such as the July 2002 floods, the infiltration capacity of the Edwards Limestone is exceeded and surface streams flow across the Recharge Zone and on to the Gulf of Mexico. Water from the Nueces River in Uvalde County sinks and flows more than 100 miles to the east to emerge at Comal Springs. This is one of the best examples of what is termed "surface stream piracy" in the United States.

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Geologically, the Recharge Zone was formed by the Balcones Fault Zone. The Balcones Fault Zone (BFZ) is a series of parallel faults that trend northeast – southwest from Kinney and Uvalde counties – east to San Antonio, then north through Austin in Travis County. The relative regional movement along the BFZ is "normal" with the rock units stair-stepping downward toward the Gulf of Mexico. For example, in northern Bexar County, the lower members of the Edwards Limestone cap many of the higher hills with the Glen Rose Limestone (Trinity Aquifer) beneath it. As you move south (to Route 1604), the BFZ has dropped the Edwards Limestone down relative to the ground surface where a greater thickness of the limestone is exposed and forms the Recharge Zone. Further south (under downtown San Antonio), the Edwards Limestone is more than 800 feet below the surface forming the Artesian Zone. Some faults exhibit a distinctive fault plane, yet others are more of a fault zone. Displacement along these fault planes and zones may range from a few inches to more than 500 feet.

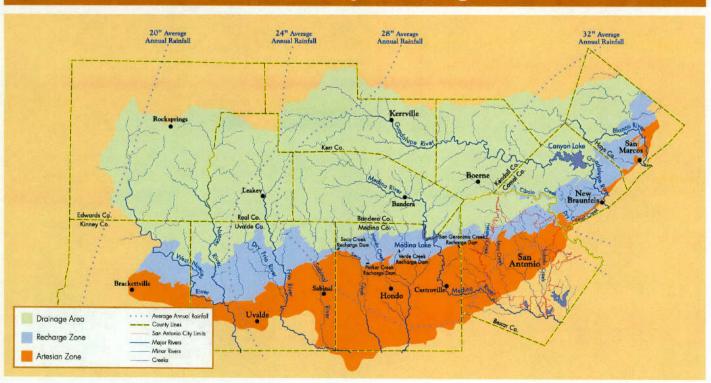
### Where is the Recharge Zone?

The Recharge Zone is found from northern Uvalde County, east through Medina County and Bexar County, then northeast through western Comal and Hays counties, and into Travis County. One of the best places to observe the Edwards Limestone is along the Route 1604 road cuts from Bandera Road, east to just west of the intersection with Judson Road. A number of small faults, fractures, sinkholes, and caves can be observed along the road cut. However, because of traffic hazards, I don't recommend stopping to look along 1604.

In April, under the direction of Stephen Kovach, the Authority created a valuable resource for the public when it placed ArcIMS web tools on its web page (http://www.edwardsaquifer.org). To support ArcIMS, a large GIS data set was also included. As Stephen noted before his arrival at the Authority in June 2002, "There were no data sets available on the web and I thought that, with some of the new

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# **Edwards Aquifer Region**



### **Inside the Edwards Aquifer: Recharge Zone** (continued)

by Geary M. Schindel, Chief Technical Officer

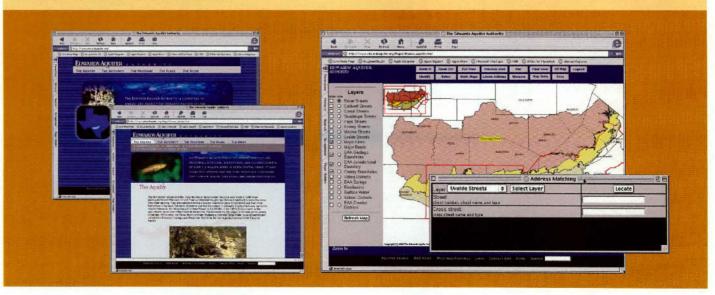
GIS technology, we could make this information available to the public. Our goal was to develop an accurate dataset that had all the components to answering common questions such as: "Where do I live on the aquifer." In the past, to determine where you lived in relation to the Recharge Zone, you would have to travel to the Authority's offices or to the Texas Commission on Environmental Quality, or to one of the commercial map vendors in the area and request the information. Now you can use the intuitive web tool to find a specific location using the large data set of current street data provided by "GDT."

One of the biggest benefits of the web tool is the ability to use the maps to easily navigate through the region. Not only can you find what street you live on, you can find out which of the Authority's districts you are in and who is your director. Also, there are geological boundaries of the Edward's and an index of all of the topographic maps that overlay the Authority. Digital topographic map sets can be downloaded for free at the TNRIS web site (http://www.tnris.org/).

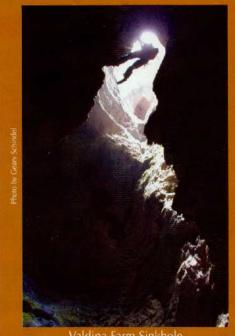
The Authority is currently running ArcGIS 8.2 software on its network and has incorporated GIS into the daily work environment. GIS is an important tool for the Aquifer Science Team, Investigations and Monitoring Team, and Groundwater Management Strategies Team; where water well, water quality, geologic, biologic, and other data are stored and used to help understand and manage the aquifer.

In the future, Stephen plans on adding high resolution imagery to the site along with an accurate database of well locations using field GPS points. Stephen noted that, "We are working with the City of San Antonio, Bexar County GIS, and other GIS users to create a consortium of users to share GIS data and GIS standards to better develop our expertise and enlarge our regional datasets to better understand our area." These organizations are able to share data, coordinate, and communicate with each other along with sharing key concepts using GIS as the central spatial data infrastructure. Also in the works is a full database of historical well information and current water levels.

The Authority's web page may be reached at <a href="http://www.edwardsaquifer.org">http://www.edwardsaquifer.org</a>. The GIS mapping program is found under the "Aquifer" Tab, then "GIS maps and data sets" tab. Warning – the GIS mapping program contains large data sets and is best viewed using high speed internet connections such as DSL or a cable modem.



# **Aquifer Photo Gallery**





Irrigation System



San Geronimo Recharge Dam, Medina Co.





Seco Creek at Flat Rock Crossing



Cub Cave, Bexar Co.

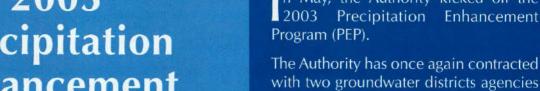


Heuco Springs, along the Guadalupe River

n May, the Authority kicked off the

# 2003 Precipitation Enhancement Program

by Rick Illgner, Program Manager Groundwater Management Strategies



The Authority has once again contracted with two groundwater districts agencies for the 2003 program. The Southwest Texas Rain Enhancement Association (SWTREA), managed by the Wintergarden Groundwater District, performs cloud-seeding for the Authority over Uvalde County and the South Texas Weather Modification Association (STWMA), managed by the Evergreen Underground Water Conservation District performs cloud-seeding for the Authority over Bandera, Bexar, and Medina counties.

Meteorologists for SWTREA and STWMA both determined weather conditions were unfavorable for cloud-seeding from May 1 through May 24. On May 6, SWTREA pilots were placed on high alert at 9:00 a.m. anticipating a small cluster of storms developing northwest of Bandera County. By 2 p.m. pilots were asked to stand-down when these storm cells rapidly dissipated.

In mid-June, weekly activity summaries describing daily PEP activities for SWTREA and STWMA will be available on the web at www.edwardsaquifer.org.



### May 2003 Board Meeting

by Margaret Garcia, Program Manager - Public Affairs

At their regular monthly board meeting held Tuesday, May 13, 2003, Edwards Aquifer Authority directors approved revised Proposed Rules for Edwards Aquifer Authority Rules ch. 715 (Comprehensive Water Management Plan Implementation Rules) subchs. A (definitions), B (variance procedures), and C (groundwater conservation and reuse rules). These rules would require permitees to implement water conservation practices throughout the region. These rules will be assessed for their possible economic and environmental impacts, and submitted for public comment. Public hearings will be set for July 2003.

Authority directors also received a technical briefing from Dr. Roberto Pabalan, Southwest Research Institute, on a preliminary feasibility assessment for the treatment and use of water from the Edwards Aquifer saline zone. The report provided desalinization cost information for two treatment techniques and for a range of well yields and water chemistries. Preliminary results indicate that this water supply option could be economically feasible if sufficient quantities of water are available from the saline zone.

In addition, the board approved an agreed final order for three initial regular permits for applicants who had previously filed protests on their proposed permits. After further review of the applicants' files, all parties agreed the applicants provided additional documentation to substantiate their claims for more Edwards groundwater than originally proposed by staff. This agreed final order represents approximately 265 acre-feet of Edwards groundwater. In addition, Authority directors adopted an omnibus final order approving three initial regular permits representing approximately 866 acre-feet of Edwards Aquifer groundwater withdrawal rights. Authority directors also denied two applications for Edwards Aquifer groundwater withdrawal rights.

In other action, the board directed the general manager to send demand letters and file suit against 24 irrigation and 28 municipal or industrial permittees for failure to file their quarterly allocation schedules for 2003. In addition, Authority directors authorized the general manager to send demand letters and file suit against 19 pumpers who failed to file annual groundwater withdrawal reports in 2002 and one who failed to file a report for both 1998 and 1999. Authority directors also authorized the general manager to present compromise and settlement agreements to one pumper who exceeded their limit in 2001 and to 17 pumpers who exceeded their pumping limit in 2002.

### **Initial Regular Permits**

by Steven D. Walthour, Program Development

In May, the board approved three Agreed Final Orders (AFOs) and granted Initial Regular Permits (IRPs) totaling 265 acre-feet of Edwards Aquifer groundwater withdrawal rights. The board also adopted an Omnibus Final Order approving three IRPs totaling 867 acre-feet and denied applications for two IRPs totaling 655 acre-feet of claimed groundwater withdrawal rights. The Authority's board accepted the staff's recommendation to adopt a final order amending one IRP to incorporate additional ownership and place of use information appearing on the permit.

To date, the Authority has issued final decisions on 866 IRP applications representing approximately 79% of all applications filed with the Authority. The Authority has issued 687 IRPs representing 497,905 acrefeet of groundwater withdrawal rights and has denied 179 IRP applications.

For information regarding this program, please contact Mr. Robert Burns, Permits/Enforcement Coordinator.

### **Well Construction Program**

by Rick Illgner, Program Manager - Groundwater Management Strategies

In May, Authority staff issued 45 well construction permits. This total includes 11 Edwards Aquifer domestic well permits, 11 Edwards Aquifer domestic/livestock well permits, 2 Edwards Aquifer livestock well permits, and 4 Edwards Aquifer well plugging permits. In addition, 17 permits were issued to drill through the Edwards Aquifer.

Well construction forms are located at the Authority's main office located at 1615 N. St. Mary's Street. For more information, contact Mr. Jeff Robinson, Program Associate.



#### **Groundwater Withdrawal Transfers**

by Rick Illgner, Program Manager - Groundwater Management Strategies

In May, Authority staff processed 2 partial sales and lease transfers representing 88 acre-feet in groundwater withdrawal rights. Since the inception of the transfer program, Authority staff processed 818 partial sales and lease transfers representing 148,662.095 acre-feet of groundwater withdrawal rights. Of the 818 partial sale and lease transfers completed, only 603 are currently active representing 122,866.206 acre-feet. Active transfers include 99 sub-leased transfers representing 20,461.132 acre-feet. In addition, Authority staff processed 6 change of ownership or miscellaneous transfers representing 2,066.528 acre-feet.

### May 2003 Transfer Table Summary

Transfer Description	Number of Transfers	Acre-Feet
May (5/1/03 - 5/31/03) Transfers (Partial Sales, Leases, Sub-leases, and Re-sales)	2	88.000
May (5/1/03 - 5/31/03) 100% Change of Ownership or Miscellaneous Transfers	6	2,066.528
Total Number of Transfers (Partial Sales, Leases, and Sub-leases, and Re-sales) Completed as of 5/31/03	818	148,662.095
Total Number of <u>Active</u> Transfers (Partial Sales, Leases, Sub-leases, and Re-sales) as of 5/31/03	603	122,866.206
Total Number of <u>Active Sub-leased</u> Transfers	99	20,461.432
Total Number of <u>Active Re-sale</u> Transfers	88	2,936.892

Transfer forms are located at the Authority's main office located at 1615 N. St. Mary's Street. For more information, contact Ms. Naomi Esquivel, Program Associate.

### **Aquifer Management Fees**

by Brock Curry, Program Manager - Administrative

Staff issued 235 invoices for non-agricultural aquifer management fees in December 2002. These invoices, totaling \$9,371,461, were due in full by March 1 unless the permittee elected to pay monthly. As of May 31, the Authority has collected a total of \$4,141,419 in non-agricultural aquifer management fees or 45% of the amount budgeted for 2003. Seven (7) users with fees totaling \$12,491 did not meet the March 1 payment deadline and are now considered delinquent. Staff will be working with the board to proceed with enforcement action against those users.

In December, the Authority also issued the 2002 annual use report form for all aquifer users to report their groundwater use. For agricultural users, this report form also serves as an invoice for aquifer management fees – both of which were due by January 31. As of May 31, the Authority has collected \$196,928 from agricultural users based on 98,464 acre-feet of groundwater used in 2002. The amount of revenue collected represents 98% of the 2003 budgeted revenue for agricultural aquifer management fees. Staff will also begin enforcement action against those agricultural users that have not reported their 2002 use or paid the fees due on that use.

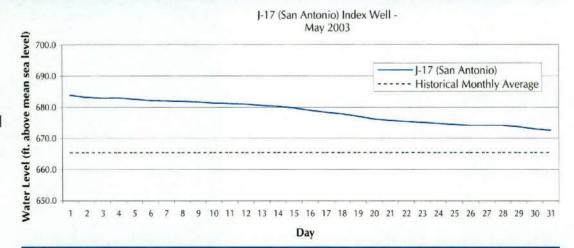
### MONTHLY WATER LEVEL & SPRINGFLOW REPORT

Aquifer levels can be viewed on the Authority's website at www.edwardsaquifer.org

### J-17 (San Antonio) Index Well - May 2003

The J-17 index well level average dropped 9.9 feet from 688.3' above mean sea level (msl) in April to 678.4' msl in May. The May 2003 high of 683.8' is 9.1 feet above the May 2002 high of 674.7' msl.

The J-17 historical monthly average for May is 665.4' msl.

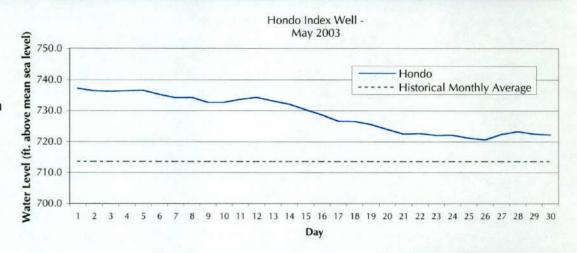


#### J-17 (San Antonio) Index Well -Combined Historic Record for Two Wells: 1932-2002 **Historical Record** May 2003 May 2002 683.8 Maximum 674.7 June 14, 1992 703.3 Minimum 672.5 664.8 August 17, 1956 612.5 678.4 668.0 May (1932-2002) Average 665.4

# Hondo Index Well - May 2003

The Hondo index well level average dropped 18.8 feet from 747.5' msl in April to 728.7' msl in May. The May 2003 high of 737.2' msl is 15.0 feet above the May 2002 high of 722.2' msl.

The Hondo Well historical monthly average for May is 713.6' msl.

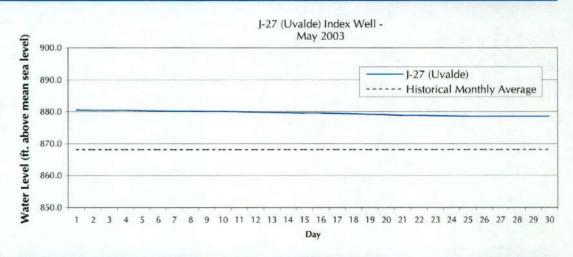


Hondo Index Well – Historic Record: 1986-2002				
	May 2003	May 2002	Historical Record	
Maximum	737.2	722.2	June 14, 1992	779.0
Minimum	720.6	703.6	June 29, 1990	651.0
Average	728.7	709.6	May (1986-2002)	713.6

# J-27 (Uvalde) Index Well - May 2003

The J-27 index well level average dropped 1.9 feet from 881.3' msl in April to 879.4' msl in May. The May 2003 high of 880.5' msl is 3.6 feet above the May 2002 high of 876.9' msl.

The Uvalde Well historical monthly average for May is 868.1' msl.

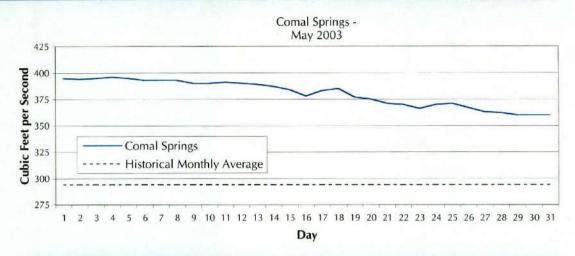


J-27 (Uvalde) Index Well — Historic Record: 1940-2002				
	May 2003	May 2002	Historical Record	
Maximum	880.5	876.9	June 15, 1987	889.0
Minimum	878.5	873.8	April 13, 1957	811.0
Average	879.4	875.2	May (1940-2002)	868.1

# Comal Springs - May 2003

Comal springflow reached a maximum flow of 396 cubic feet per second (cfs) on May 4th. The minimum flow occurred on May 29th at 360 cfs.

The May 2003 average was 380 cfs, which was 85.8 cfs above the historical monthly average of 294.2 cfs.

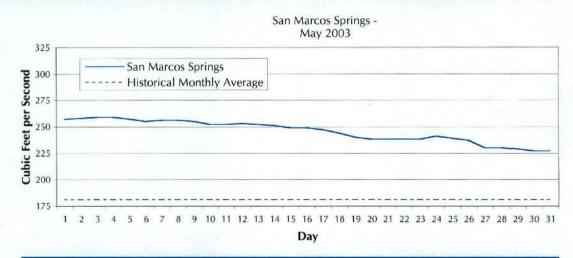


	Comal Sp	rings Historio 1927-2002	Record:	
	May 2003	May 2002	Historical Record	
Maximum	396	348	October 14, 1973	534.0
Minimum	360	309	August 8, 1956	0.0
Average	380	324	May (1927-2002)	294.2

# San Marcos Springs – 2003

San Marcos springflow reached a maximum flow of 259 cfs on May 3rd. The minimum flow occurred on May 30th at 227 cfs.

The May 2003 average was 246 cfs, which was 65.0 cfs above the historical monthly average of 181.0 cfs.



San Marcos Springs Historic Record: 1956-2002				
	May 2003	May 2002	Historical Record	
Maximum	259	202	March 12, 1992	451.0
Minimum	227	181	August 15, 1956	46.0
Average	246	193	May (1956-2002)	181.0



1615 N. St. Mary's Street San Antonio, Texas 78215

210.222.2204 or 1.800.292.1047 www.edwardsaquifer.org

BE AQUIFER AWARE

CALENDAR	E EVENTS FOR	LIUNE & JULY
CALENDAK U		TONE & TOLI

Tues. 6/24	10 AM 11 AM 1 PM	Habitat Conservation Plan Work Group Aquifer Management Planning Committee Permits Committee
Wed. 6/25	11 AM 1 PM 2 PM	Finance/Administrative Committee (CANCELLED) Ad Hoc Building Committee (CANCELLED) R&T Committee
Mon. 6/30	5 PM	Executive Committee
Tues. 7/8	3 PM	Board Meeting, Southwest Texas State University, J.C. Kellam Admin. Bldg., 11th Floor, San Marcos, Texas
Tues. 7/22	10 AM 11 AM 1 PM	Habitat Conservation Plan Work Group Aquifer Management Planning Committee Permits Committee
Wed. 7/23	11 AM 1 PM 2 PM	Finance/Administrative Committee Ad Hoc Building Committee R&T Committee

Authority meeting times & dates are subject to change.

Visit our website at www.edwardsaquifer.org for up-to-the minute information on meeting times and dates.