

THE EDWARDS AQUIFER
A TEXAS TREASURE



EDWARDS AQUIFER AUTHORITY

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Presented by

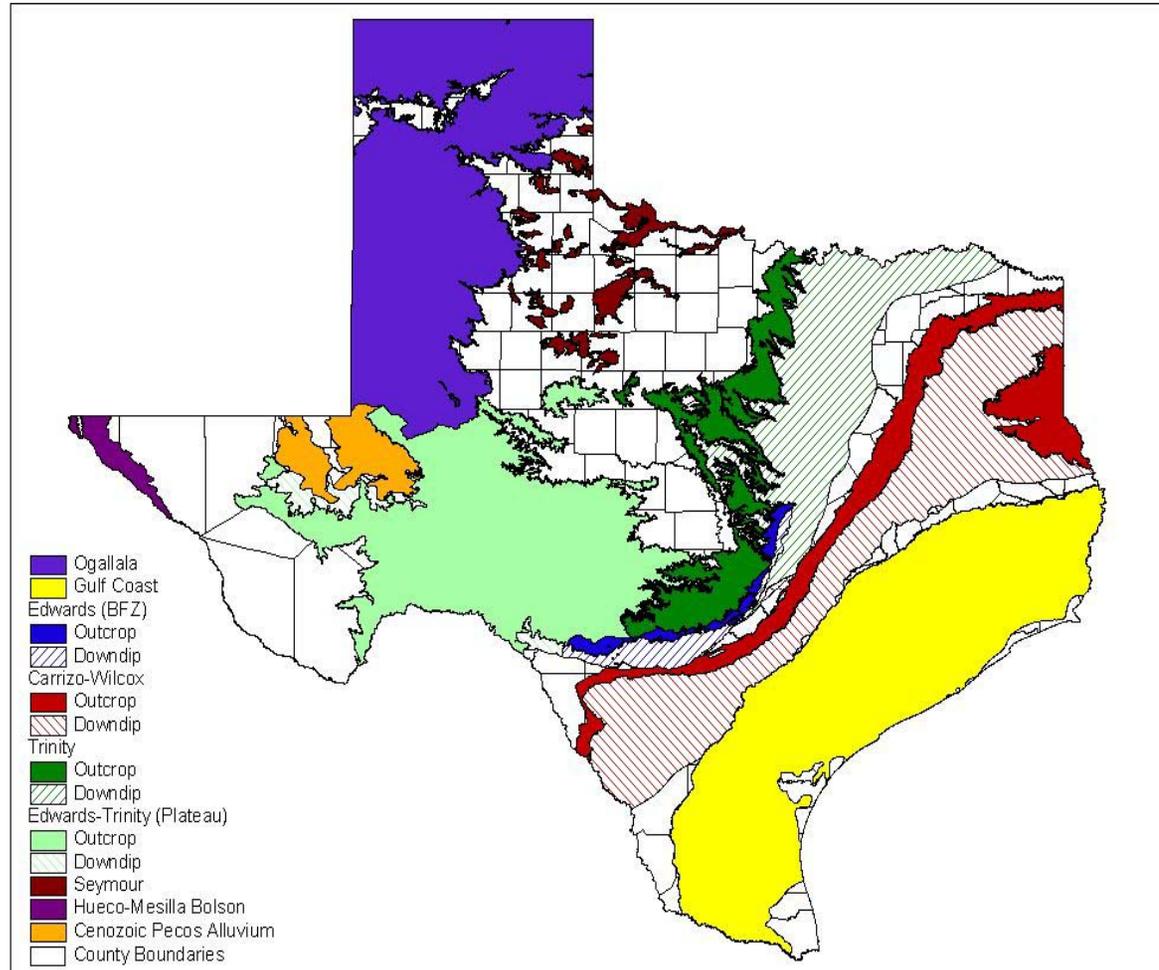
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Edwards Aquifer Authority Overview

Major Aquifers in Texas



Source: Texas Water Development Board

EDWARDS AQUIFER AUTHORITY

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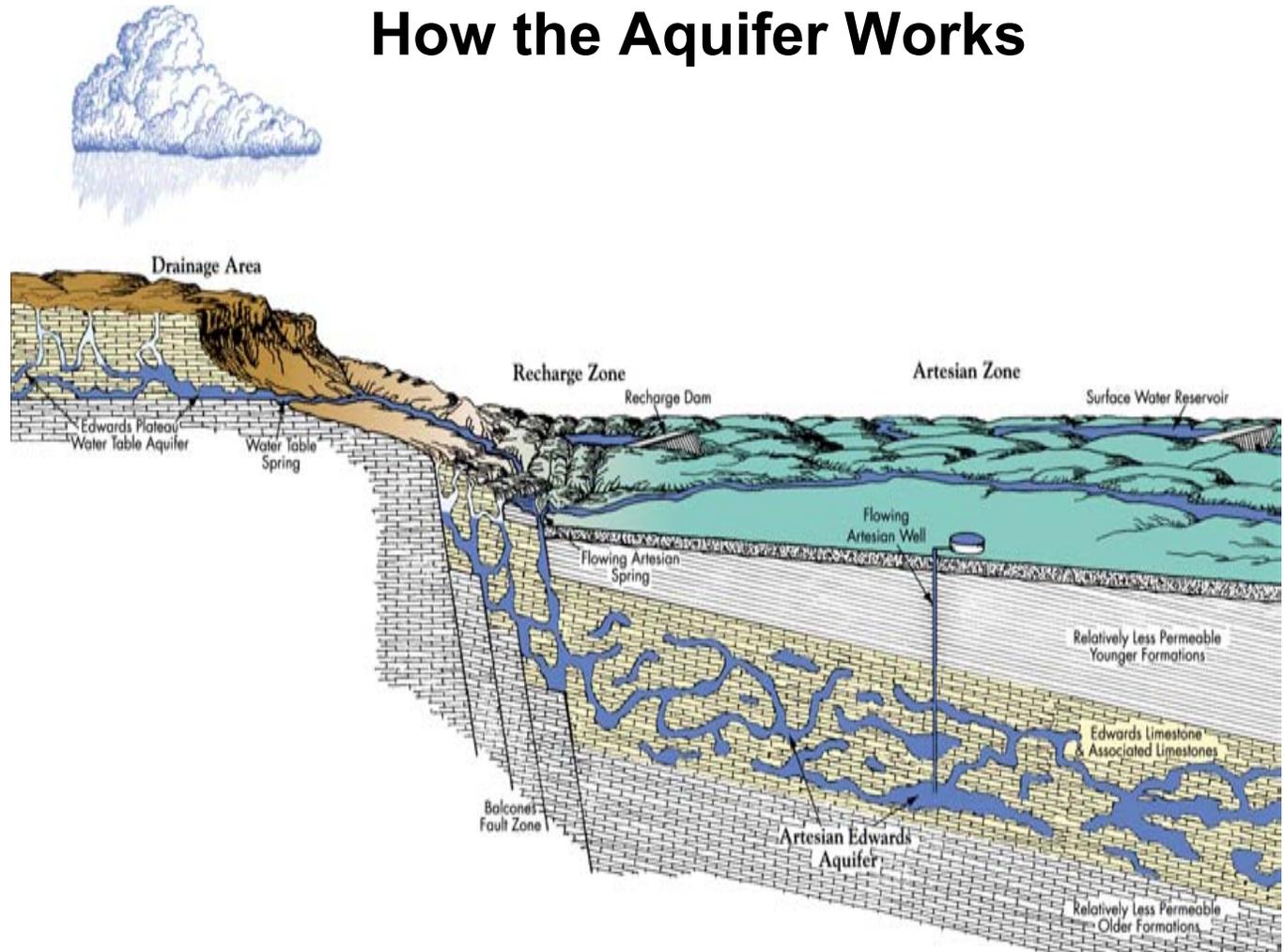


The Aquifer



Edwards Aquifer Overview

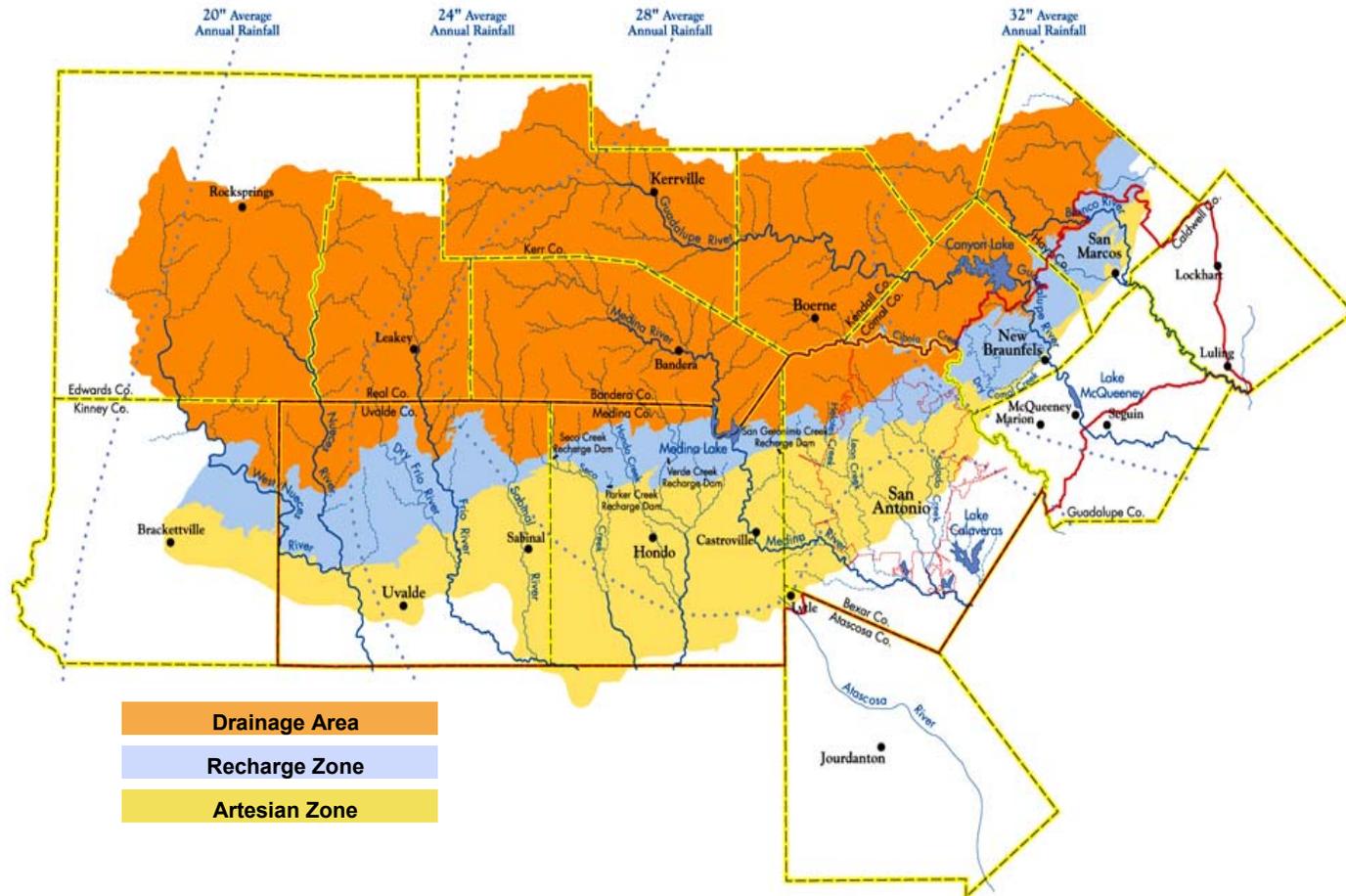
How the Aquifer Works



Source: Edwards Aquifer Authority, 2004

Edwards Aquifer Overview

Aquifer Region and Authority Boundaries



Source: Edwards Aquifer Authority, 2004



Edwards Aquifer Overview



Eight species in the Edwards Aquifer, Comal Springs, and San Marcos Springs ecosystems are currently listed by the U.S. Department of Interior, Fish and Wildlife Service, as either threatened or endangered species.

Endangered

Comal Springs Dryopid Beetle

Comal Springs Riffle Beetle

Fountain Darter

Peck's Cave Amphipod

San Marcos Gambusia

Texas Blind Salamander

Texas wild-rice

Threatened

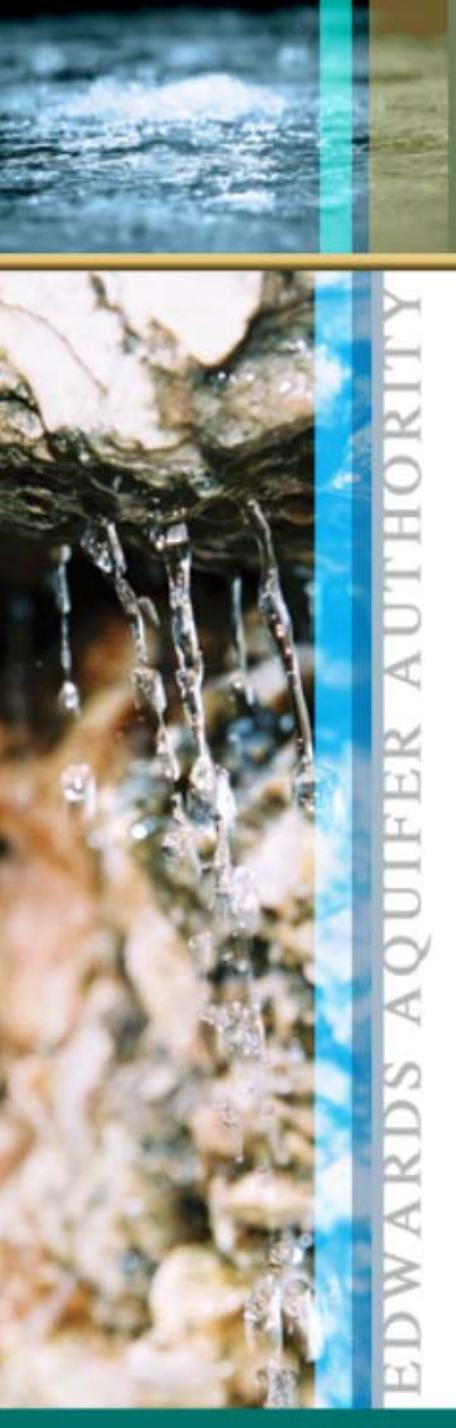
San Marcos Salamander

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The Authority





Edwards Aquifer Authority Overview

Senate Bill 1477

- Created Edwards Aquifer Authority (EAA)
- Created 17 Member Board of Directors
- Required managing aquifer through groundwater withdrawal permits
- Capped aquifer permits to 450,000 acre-feet
- Created “Water Market” by allowing transfers of permits within the Authority

Edwards Aquifer Authority Overview

Jurisdictional and District Boundary Lines

Bexar County

- District 1
- District 2
- District 3
- District 4
- District 5
- District 6
- District 7

Comal County

- District 8

Comal & Guadalupe Counties

- District 9

Hays County

- District 10

Hays & Caldwell Counties

- District 11

Medina County

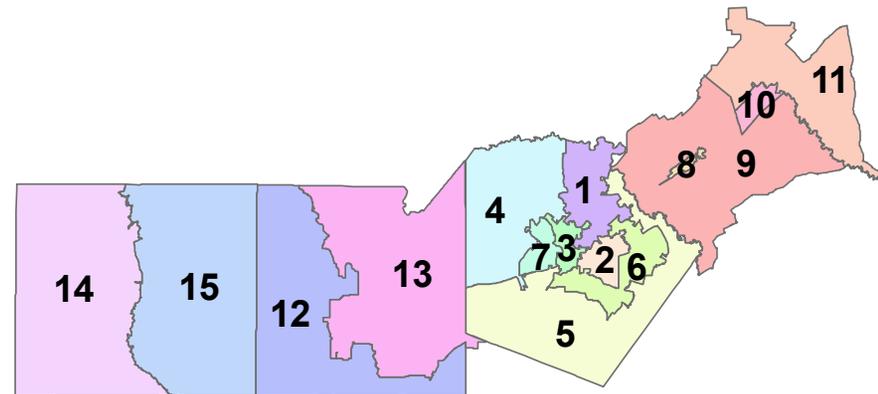
- District 12

Medina & Atascosa Counties

- District 13

Uvalde County

- District 14
- District 15





Edwards Aquifer Authority Overview

Mission Statement:

The Edwards Aquifer Authority is committed to manage, enhance, and protect the Edwards Aquifer system.



EDWARDS AQUIFER AUTHORITY



Edwards Aquifer Authority Overview

- 
- EDWARDS AQUIFER AUTHORITY
- **2005 Operating Budget \$14.5 million**
 - **60 Employees**
 - **Six Teams – Administration**
Aquifer Science
Executive
Groundwater Management Strategies
Inspection and Monitoring
Public Affairs
 - **2005 Aquifer Management Fees:**
 - **Non-Agriculture – \$38 per acre-foot**
 - **Agriculture – \$2 per acre-foot**

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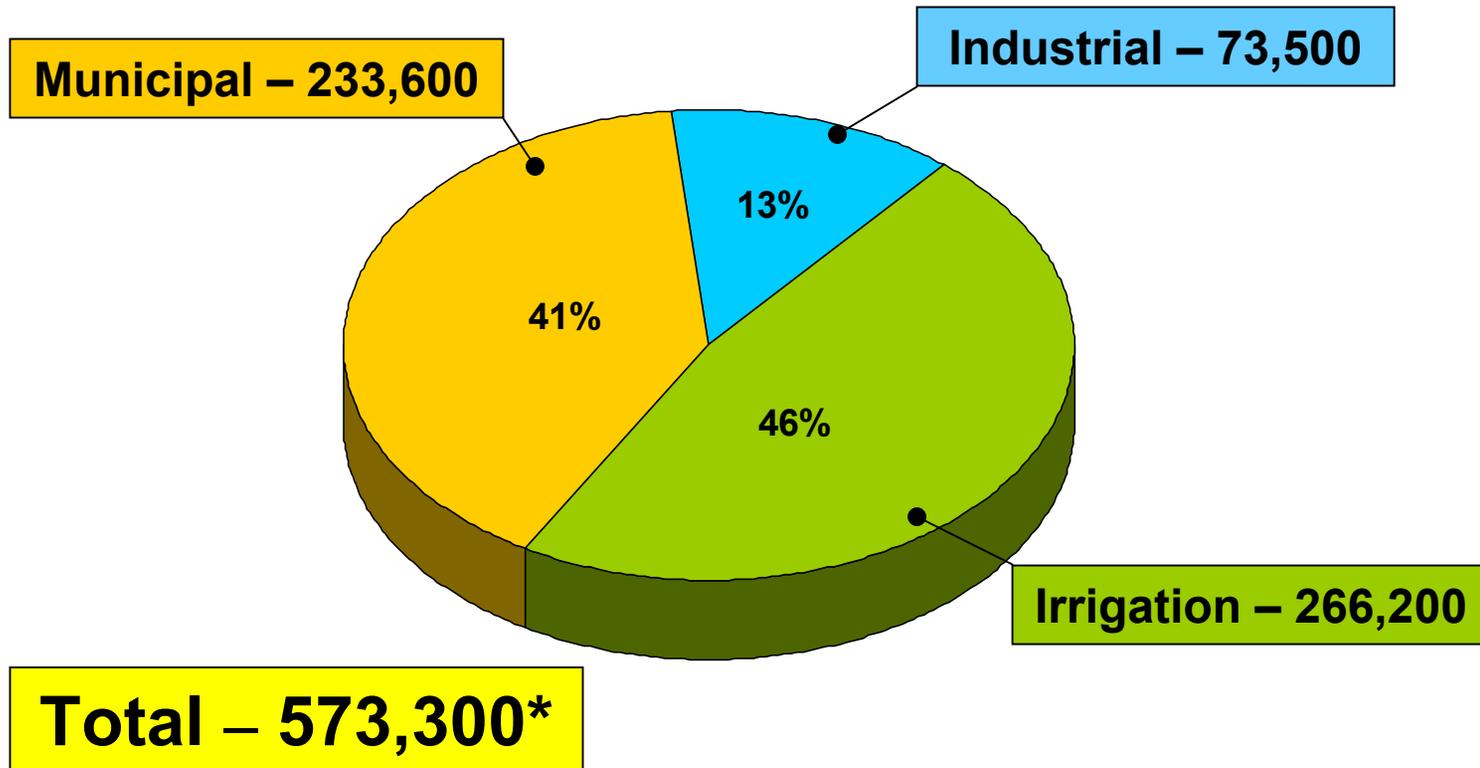


The Water Market



Marketing Edwards Water Rights

Proposed Groundwater Permits Acre-Feet (Divided by Type)

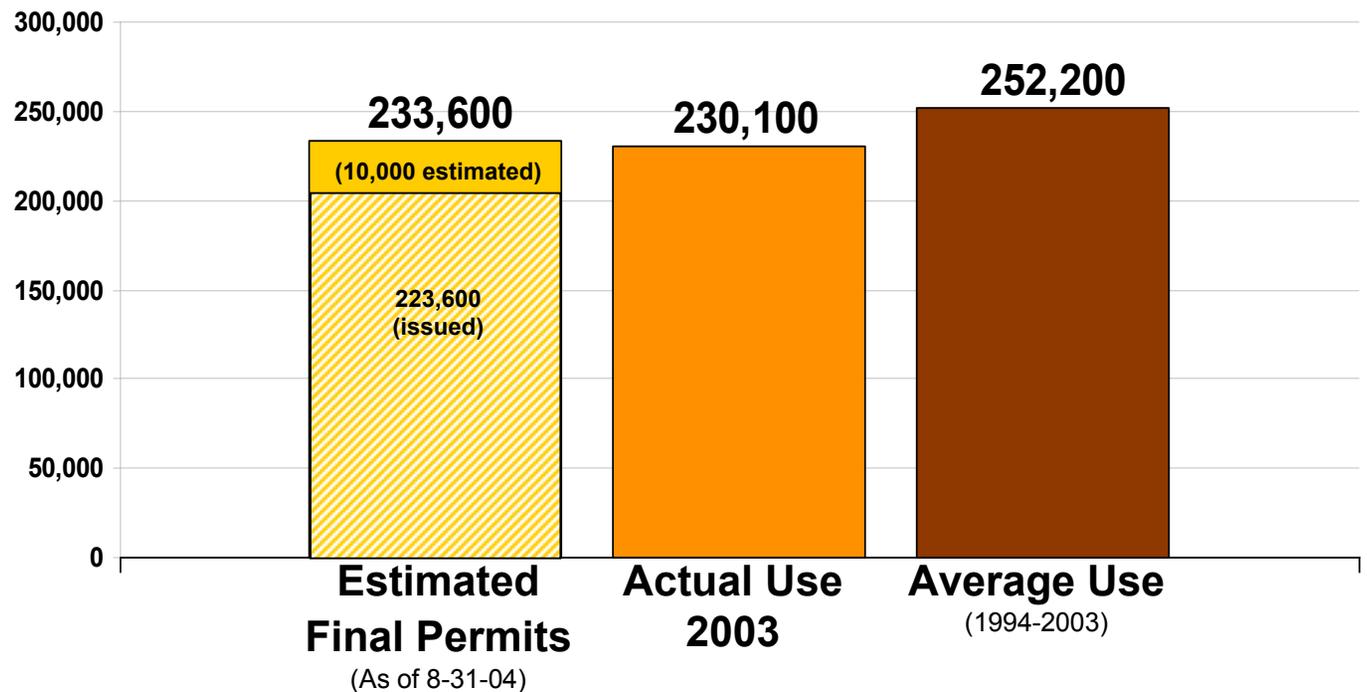


* Six federal facility permit applications, totaling 8,950 acre-feet, are included in the above number. These applications may be dismissed by the Authority.

Source: Edwards Aquifer Authority Permit Files, 2004

Marketing Edwards Water Rights

Proposed Groundwater Permits Municipal Use*/**



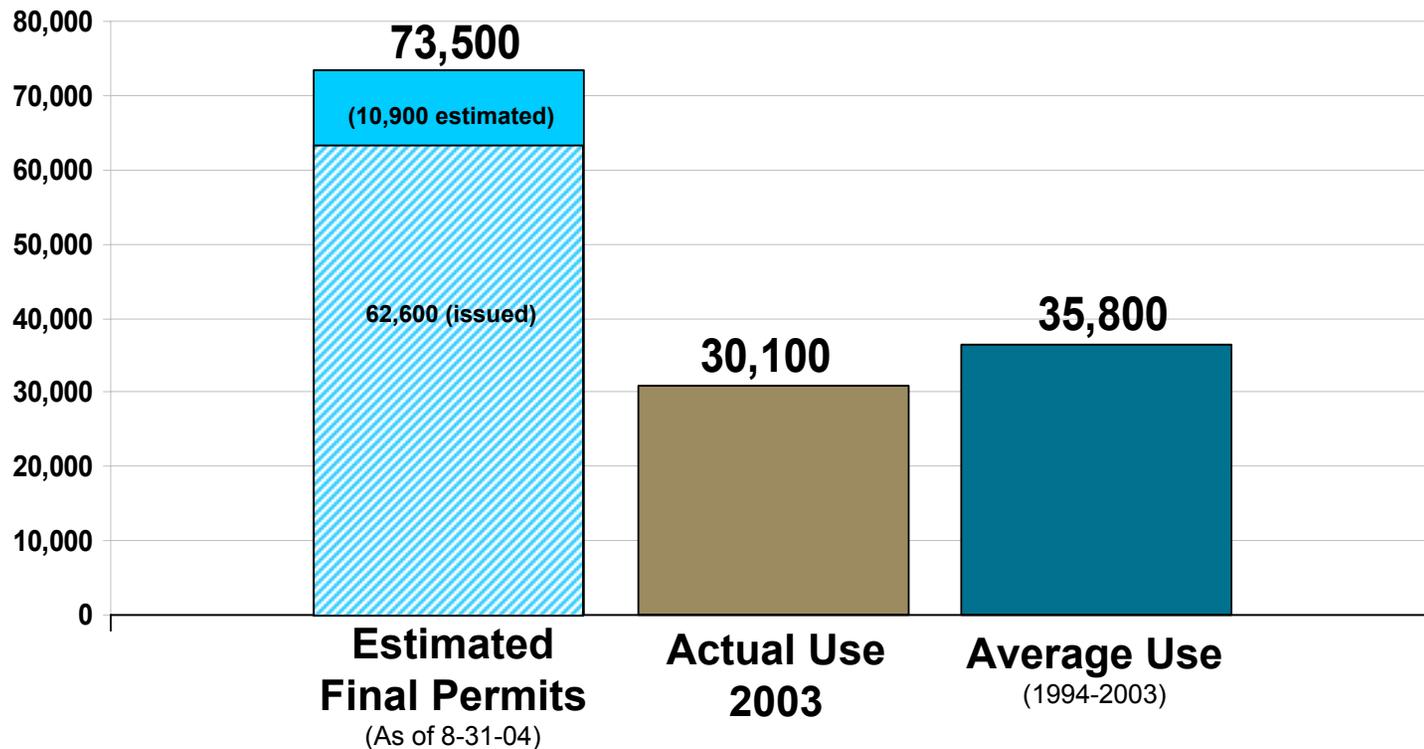
* These numbers have been rounded to the nearest 100 acre-foot. Actual aquifer use numbers do not include aquifer use in Kinney County.

** Federal facility permit applications are included in the above numbers. These applications may be dismissed by the Authority.

Sources: Edwards Aquifer Hydrogeologic Data Reports for 1994-2003, and Edwards Aquifer Authority Permit Files, 2004

Marketing Edwards Water Rights

Proposed Groundwater Permits Industrial Use^{*/**}



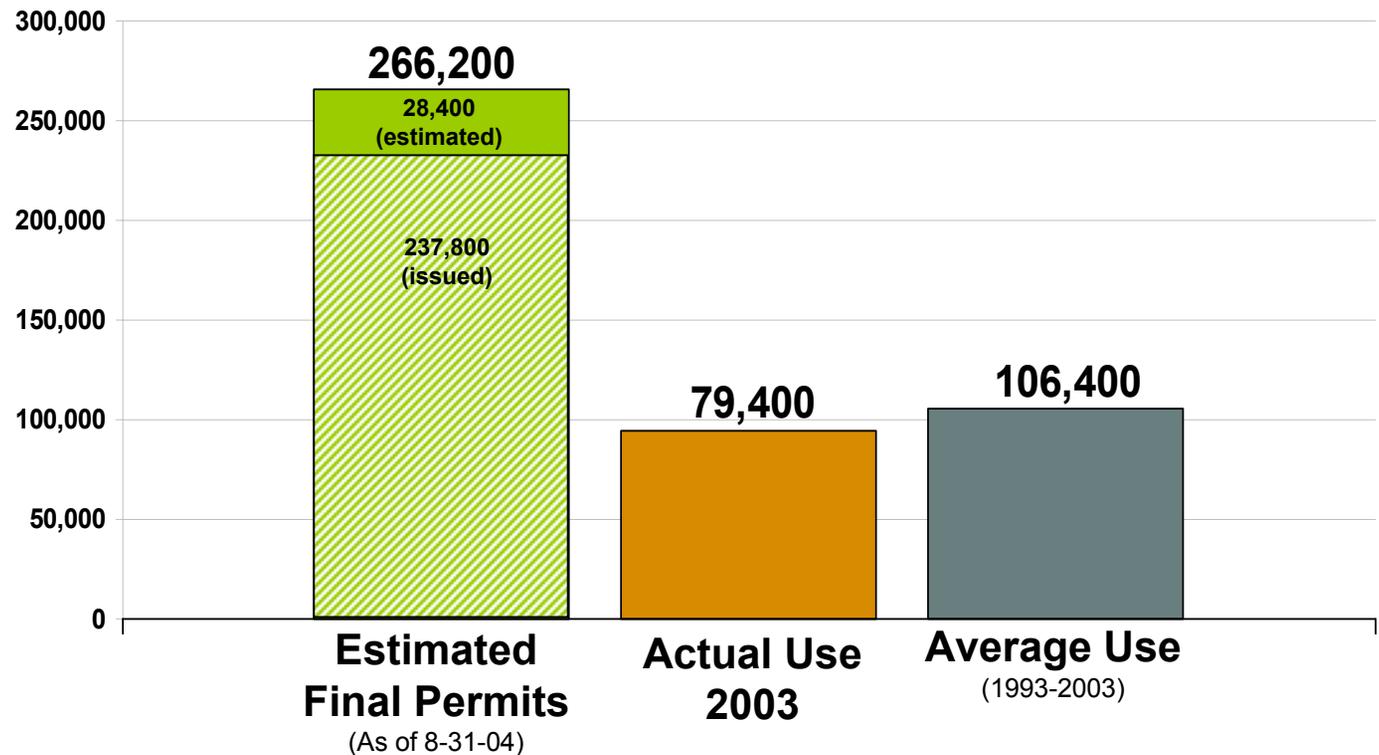
* These numbers have been rounded to the nearest 100 acre-foot. Actual aquifer use numbers do not include aquifer use in Kinney County.

** Federal facility permit applications are included in the above numbers. These applications may be dismissed by the Authority.

Sources: Edwards Aquifer Hydrogeologic Data Reports for 1994-2003, and Edwards Aquifer Authority Permit Files, 2004

Marketing Edwards Water Rights

Proposed Groundwater Permits Irrigation Use*

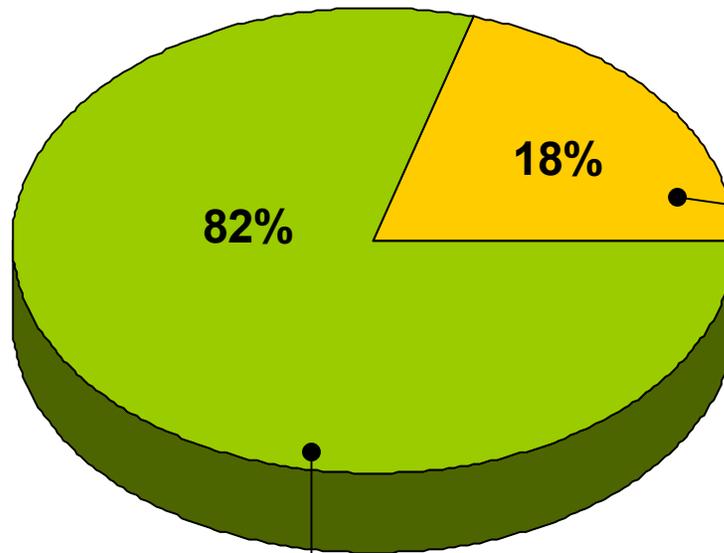


* These numbers have been rounded to the nearest 100 acre-foot. Actual aquifer use numbers do not include aquifer use in Kinney County.

Sources: Edwards Aquifer Hydrogeologic Data Reports for 1994-2003, and Edwards Aquifer Authority Permit Files, 2004

Marketing Edwards Water Rights

Number of Permit Applications Receiving Final Decisions through August 31, 2004



Final Action – 980

- Received – 781
- Denied – 199

Pending Final Action – 116

- Protests Pending – 99
 - Proposed Granted – 87
 - Proposed Denied – 12
- Uncontested, Not Yet Issued – 17

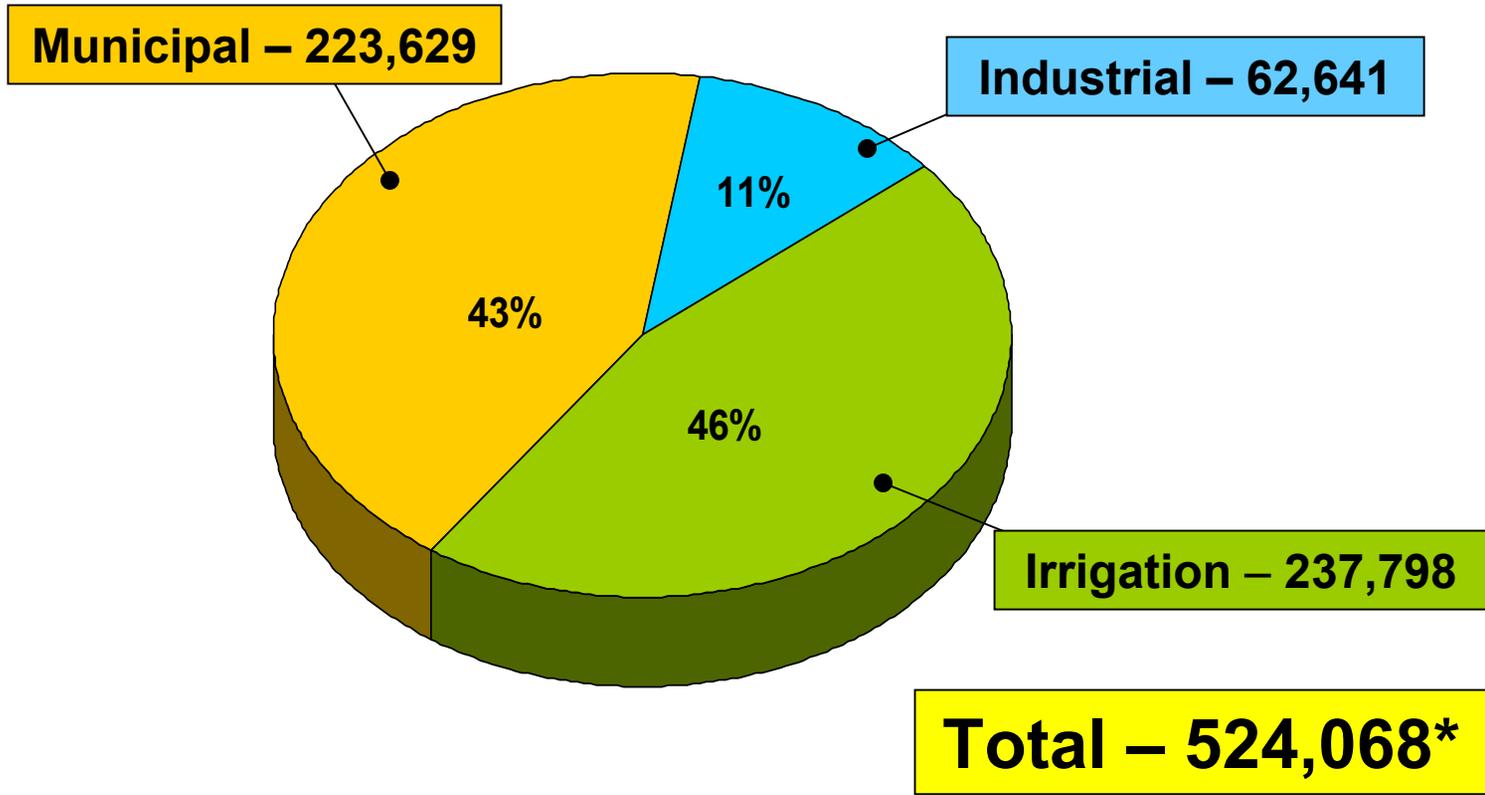
Total – 1,096*

* Six federal facility permit applications are included in the above number. These applications may be dismissed by the Authority.

Source: Edwards Aquifer Authority Permit Files, 2004

Marketing Edwards Water Rights

Amount of Permits Issued by Purpose of Use through August 31, 2004 (in Acre-Feet)

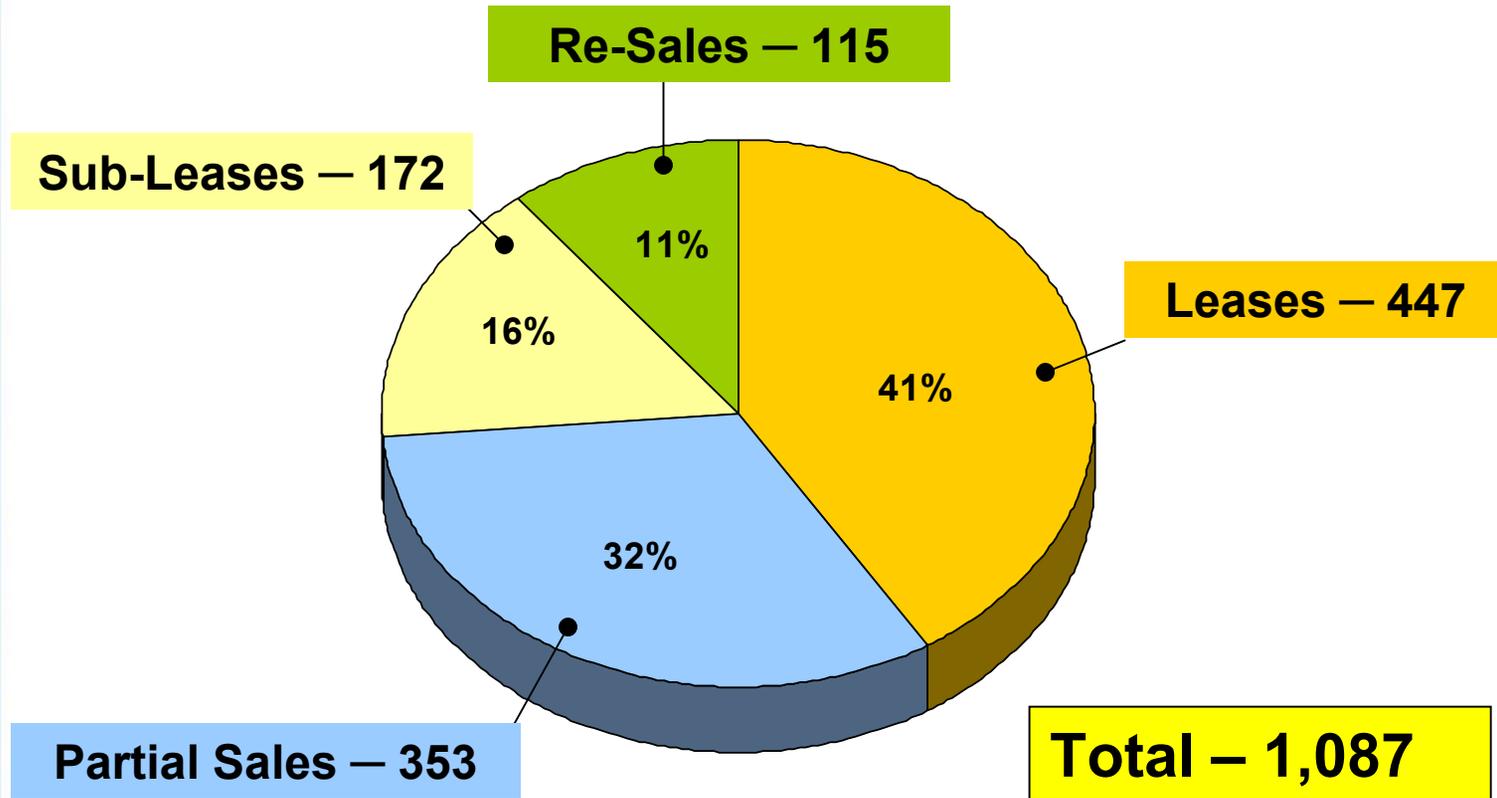


* Six federal facility permit applications, totaling 8,950 acre-feet, are included in the above numbers. These applications may be dismissed by the Authority.

Source: Edwards Aquifer Authority Permit Files, 2004

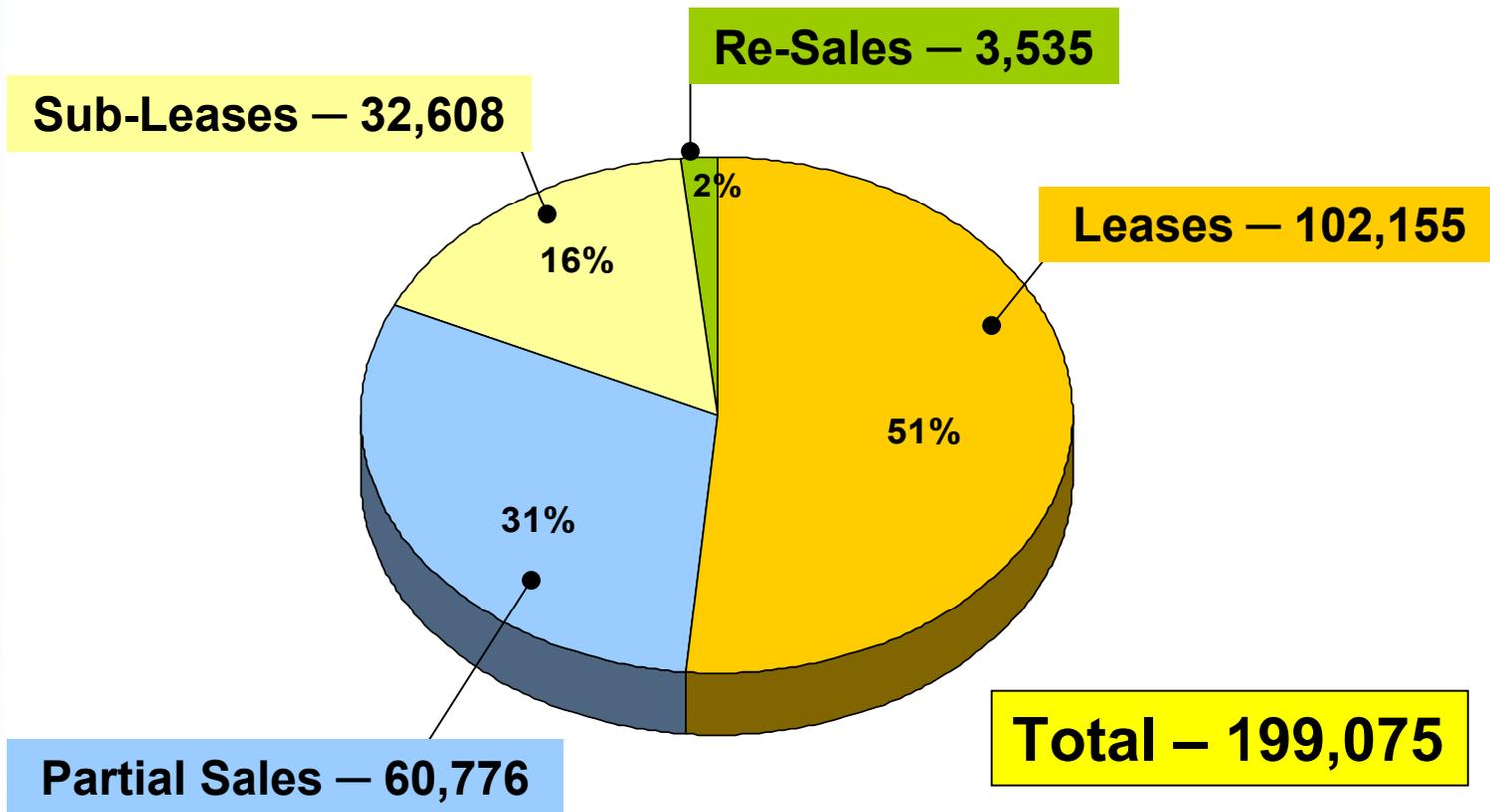
Marketing Edwards Water Rights

Number of Transfers
(Partial Sales, Leases, Sub-Leases, and Re-Sales)
(as of August 31, 2004)



Marketing Edwards Water Rights

Acre-Feet of Transfers (Partial Sales, Leases, Sub-Leases, and Re-Sales) (as of August 31, 2004)

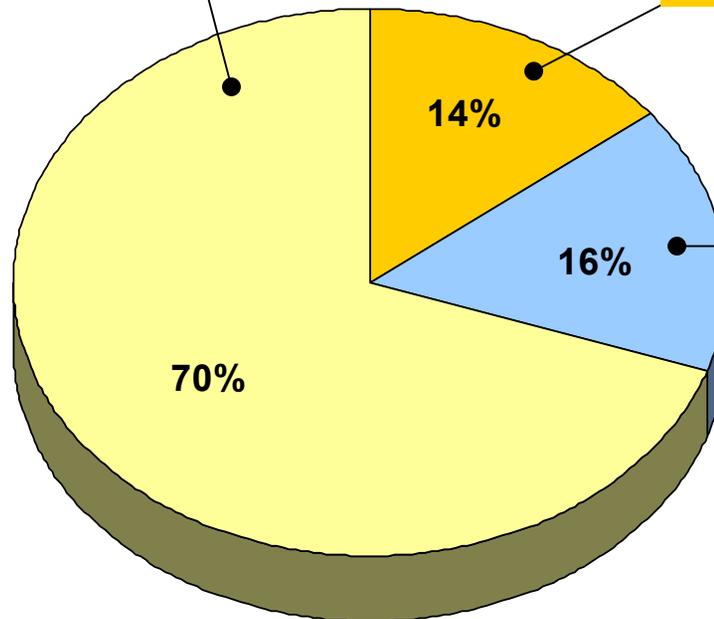


Marketing Edwards Water Rights

Number of Active Transfers (Partial Sales, Leases, Sub-Leases, and Re-Sales) (as of August 31, 2004)

**Partial Sales
and Leases — 548**

Re-Sales — 113

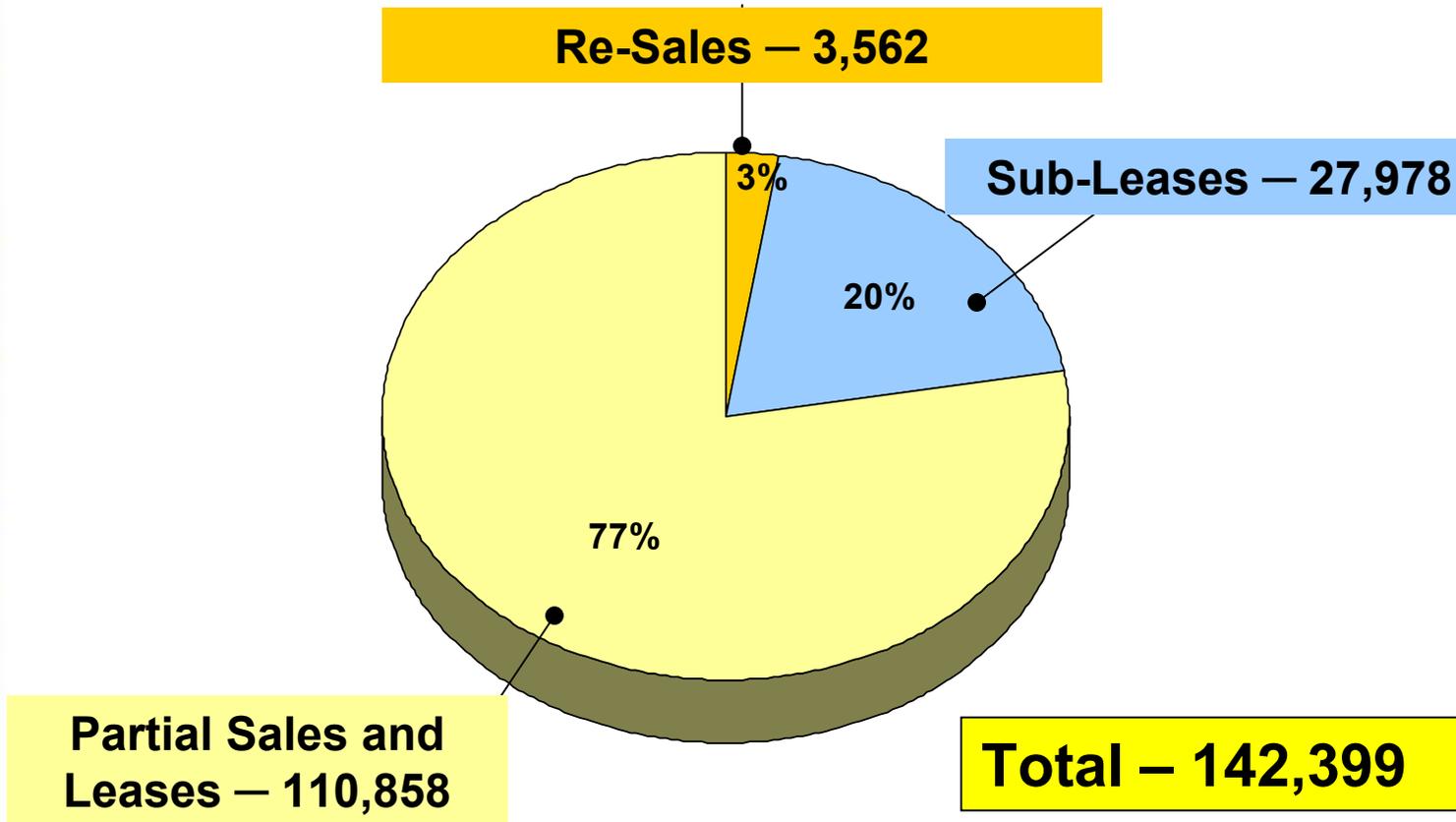


Sub-Leases — 126

Total — 787

Marketing Edwards Water Rights

Acre-Feet of Active Transfers (Partial Sales, Leases, Sub-Leases, and Re-Sales) (as of August 31, 2004)



Marketing Edwards Water Rights

Resulting “Place of Use” For Transferred Groundwater

Total Number of Transfers Into or Within A County*	Number of Transfers	Acre-Feet Transferred
Bexar County	617	138,586
Medina County	221	21,066
Uvalde County	134	31,373
Comal County	70	3,587
Hays County	37	3,419
Other	8	1,044
Total	1,087	199,075

* These transfers may have originated from within the county, or from outside of the county.

Source: Edwards Aquifer Authority Permit Files, 2004

Authority's Website



www.edwardsaquifer.org



EDWARDS AQUIFER
AUTHORITY