

Multi-State Salinity Coalition Drought Session Part 2: What is Happening in Your City

Salinity? and Southern Arizona

February 23, 2023



Central Arizona Project

Source: Colorado River Water

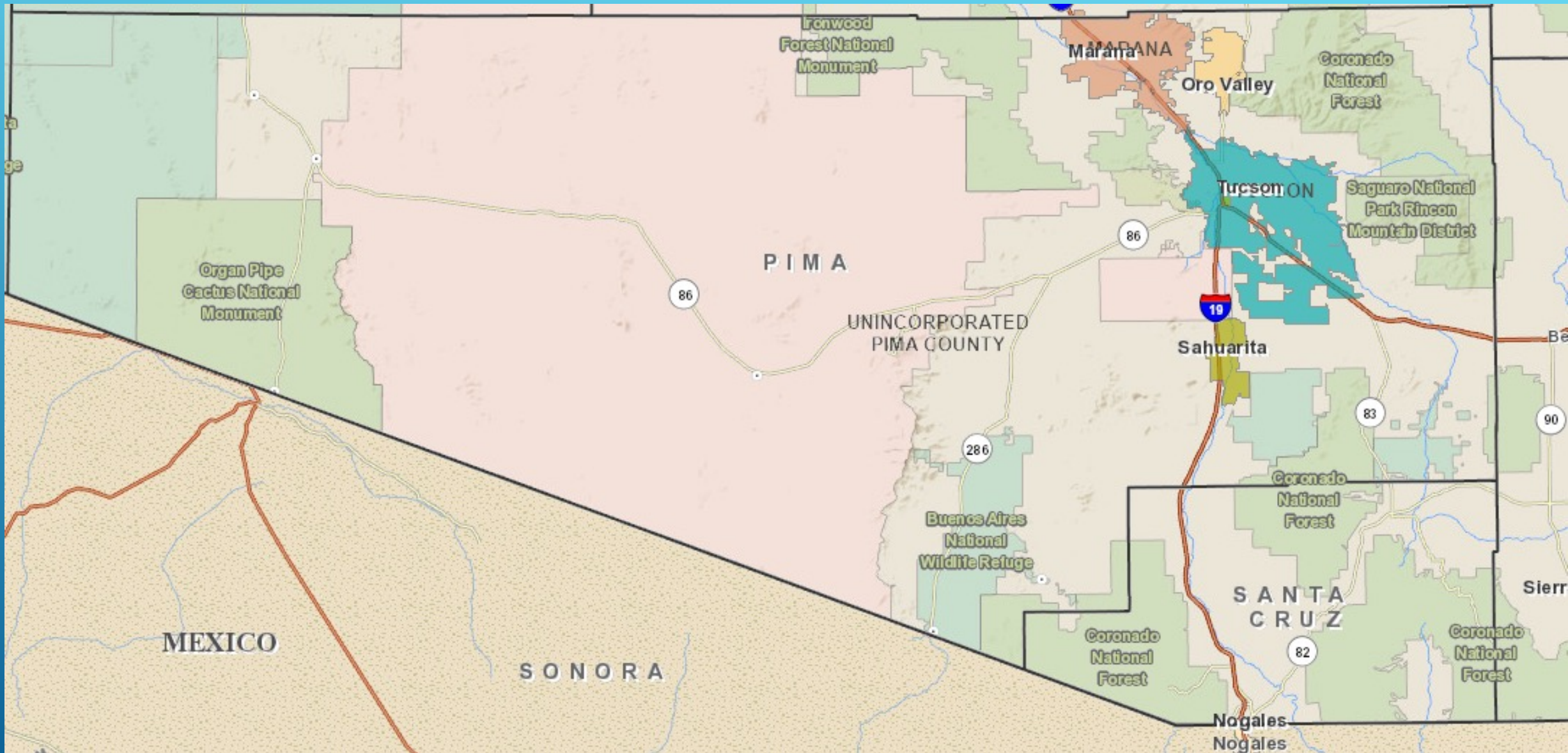
330 miles to Tucson

TDS ~600 mg/L

Treatment: Recharge and Recovery



Courtesy of CAP Web Page

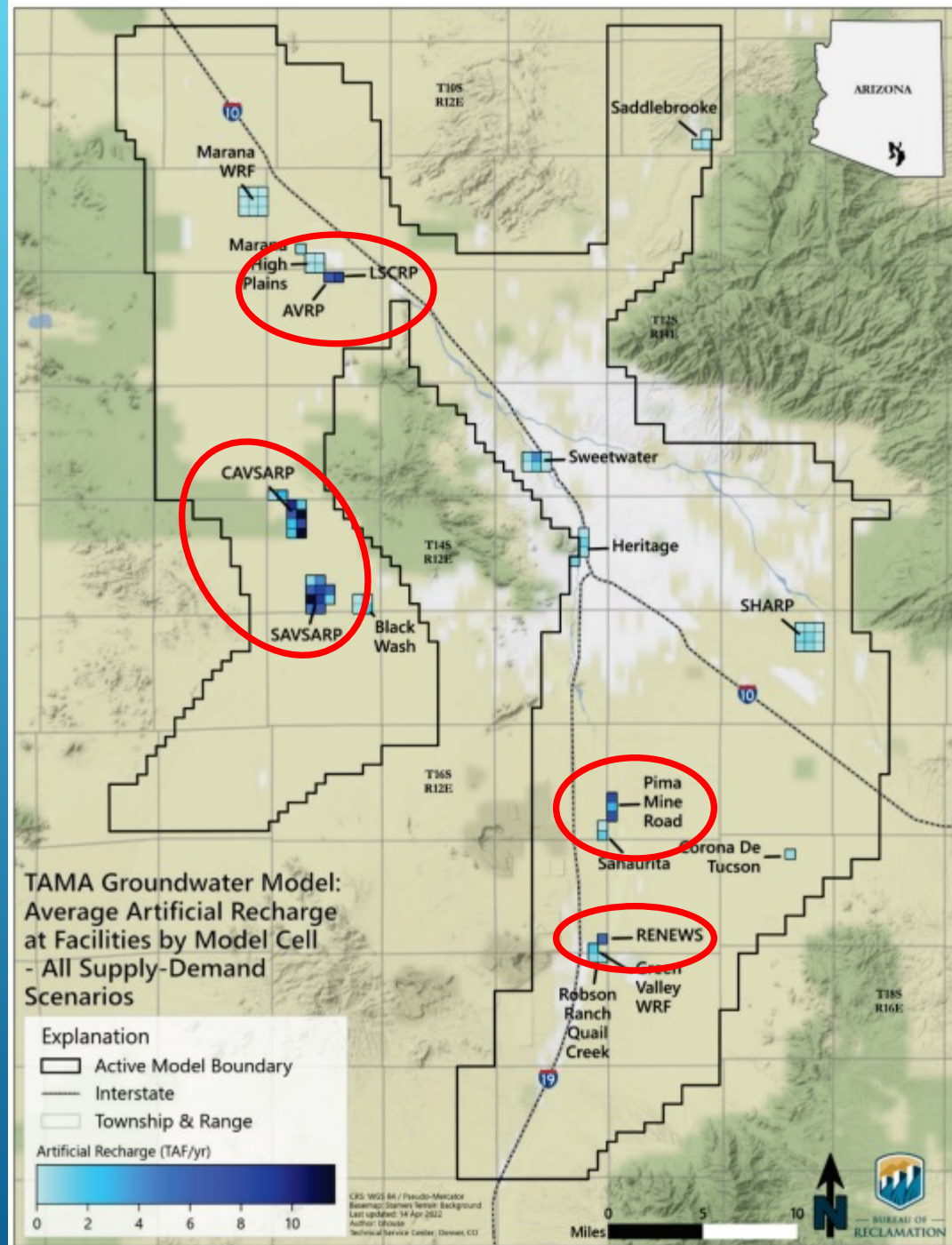


Courtesy of Pima County

Central Arizona Project

Recharge Facilities Receiving CAP Water Deliveries

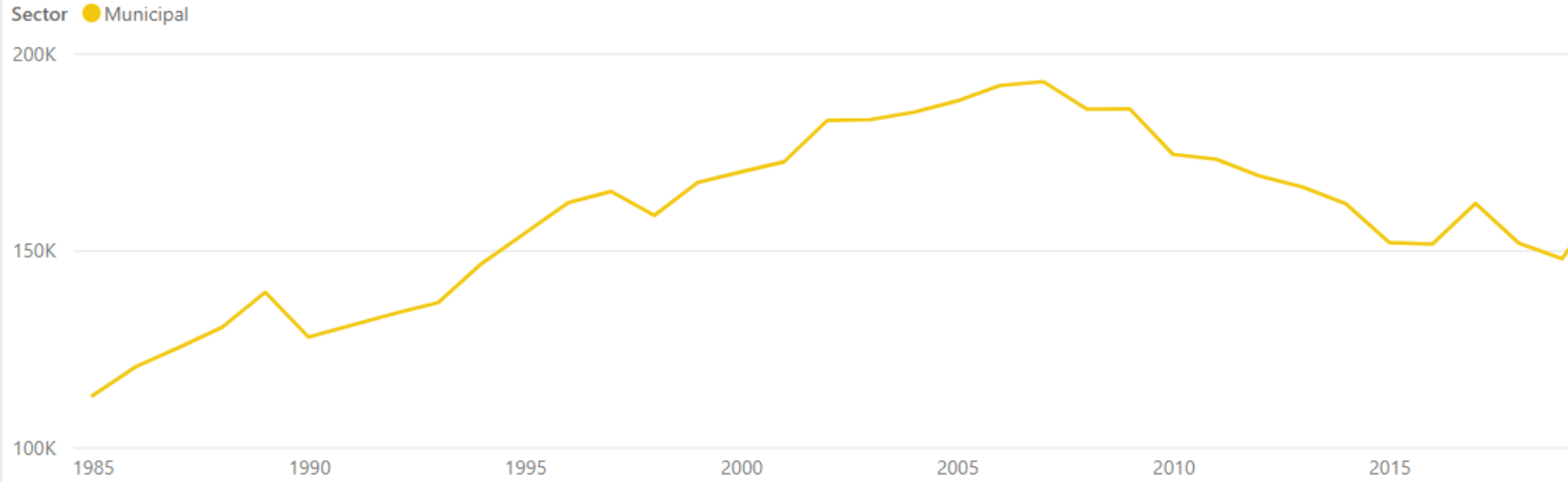
Treatment: Recharge and Recovery



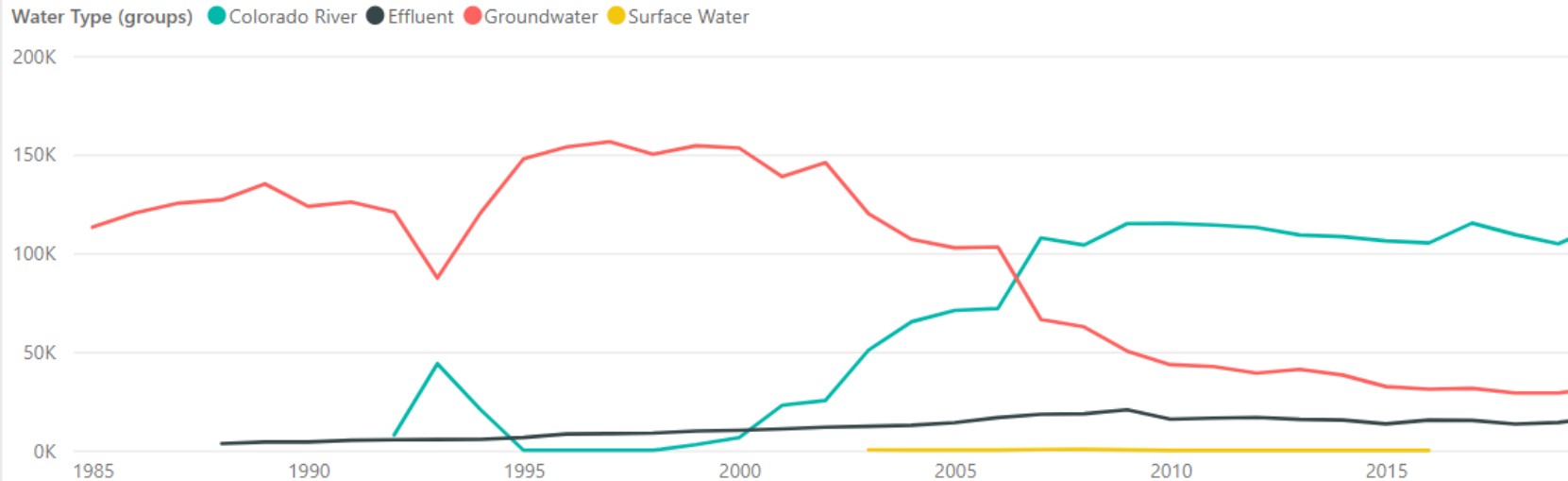
Water Use in the Active Management Areas

Courtesy of Arizona Department of Water Resources

Water Demand (AF) by Sector



Water Supply (AF) by Source



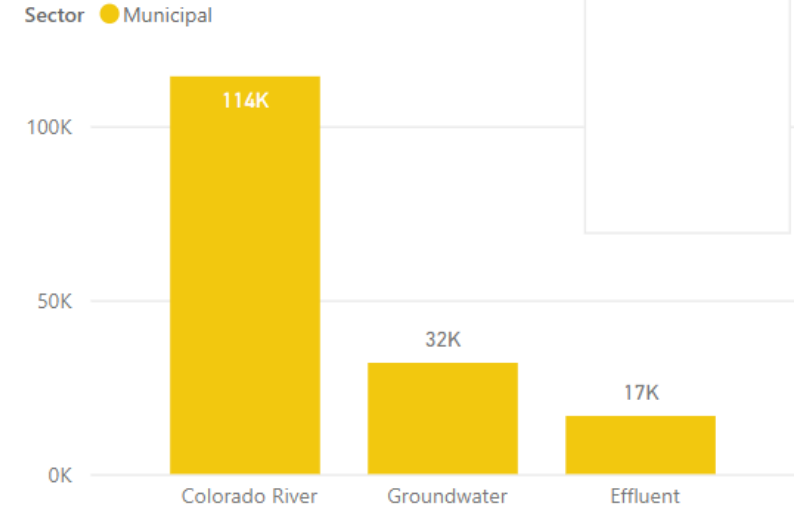
Year: 2020

AMA: TAMA

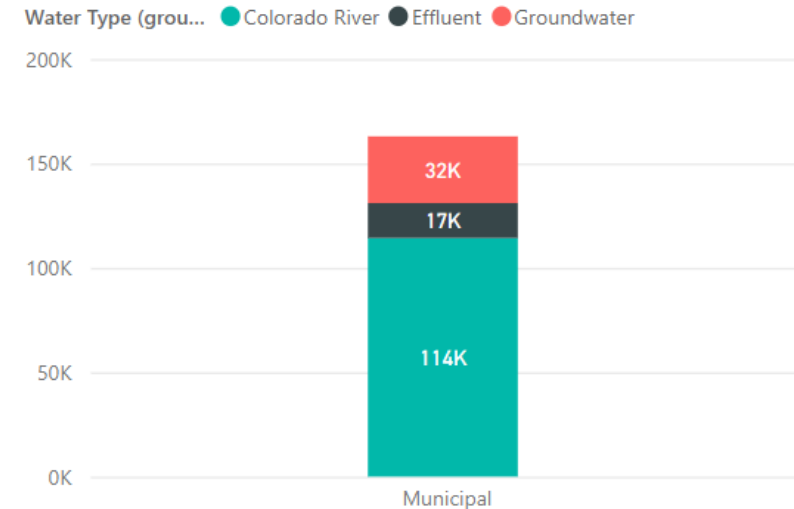
Sector: Municipal

- Agricultural
- Indian
- Industrial
- Municipal

Single Year Breakdown of Water Demand by Type



Single Year Breakdown of Water Supply by Sector

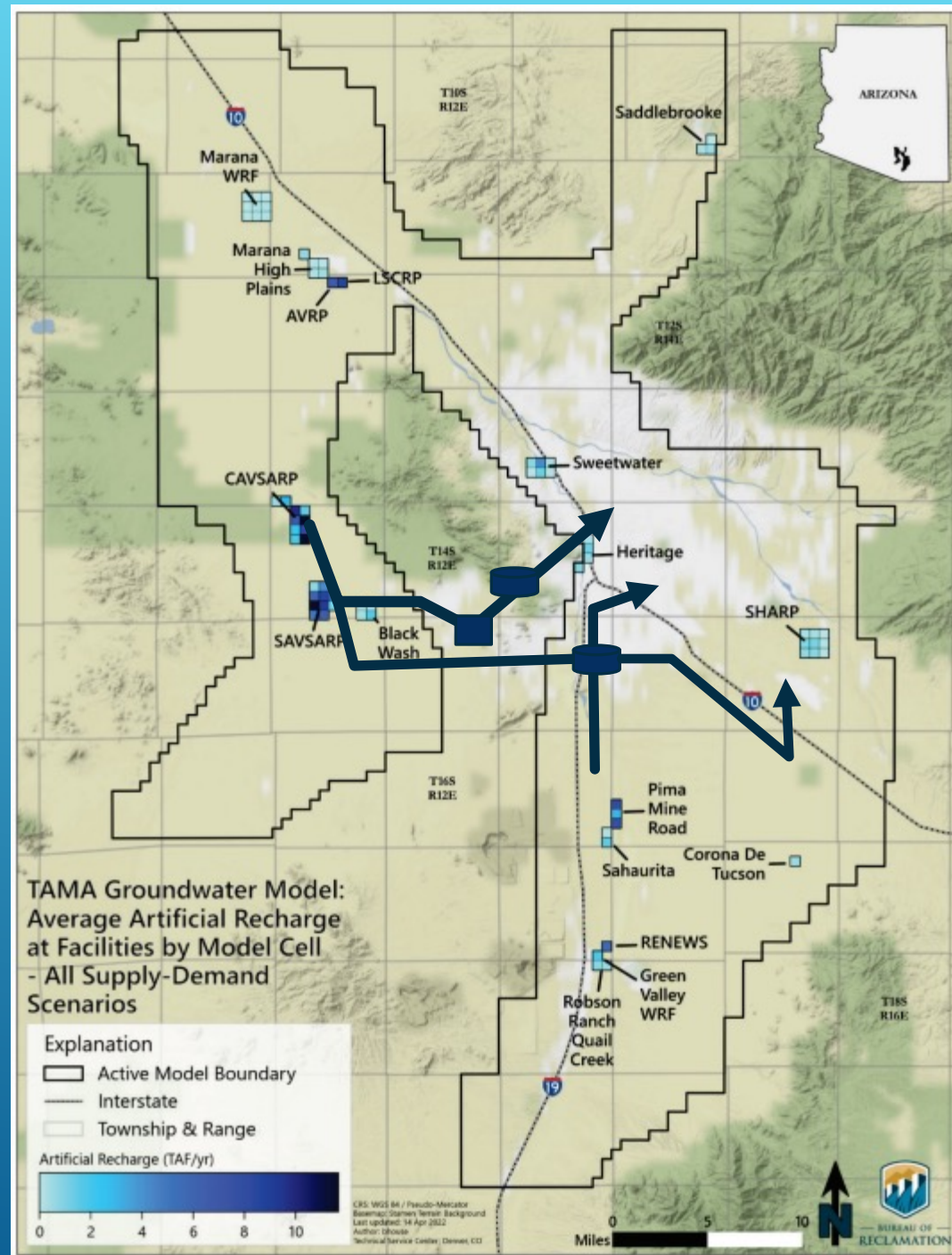


City of Tucson – Tucson Water

Clearwater Program

- * **SAVSARP** - Southern Avra Valley Storage and Recovery Project
- * **CAVSARP** - Central Avra Valley Storage and Recovery Project
- * **PMRRP** – Pima Mine Road Recharge Project

>60 Production Wells,
System of Transmission
Mains, Treatment and
Reservoirs



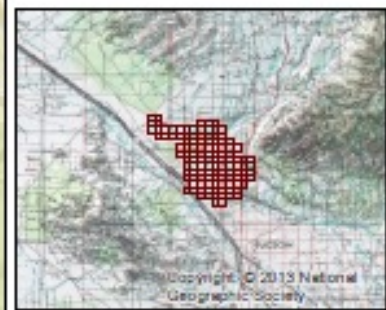
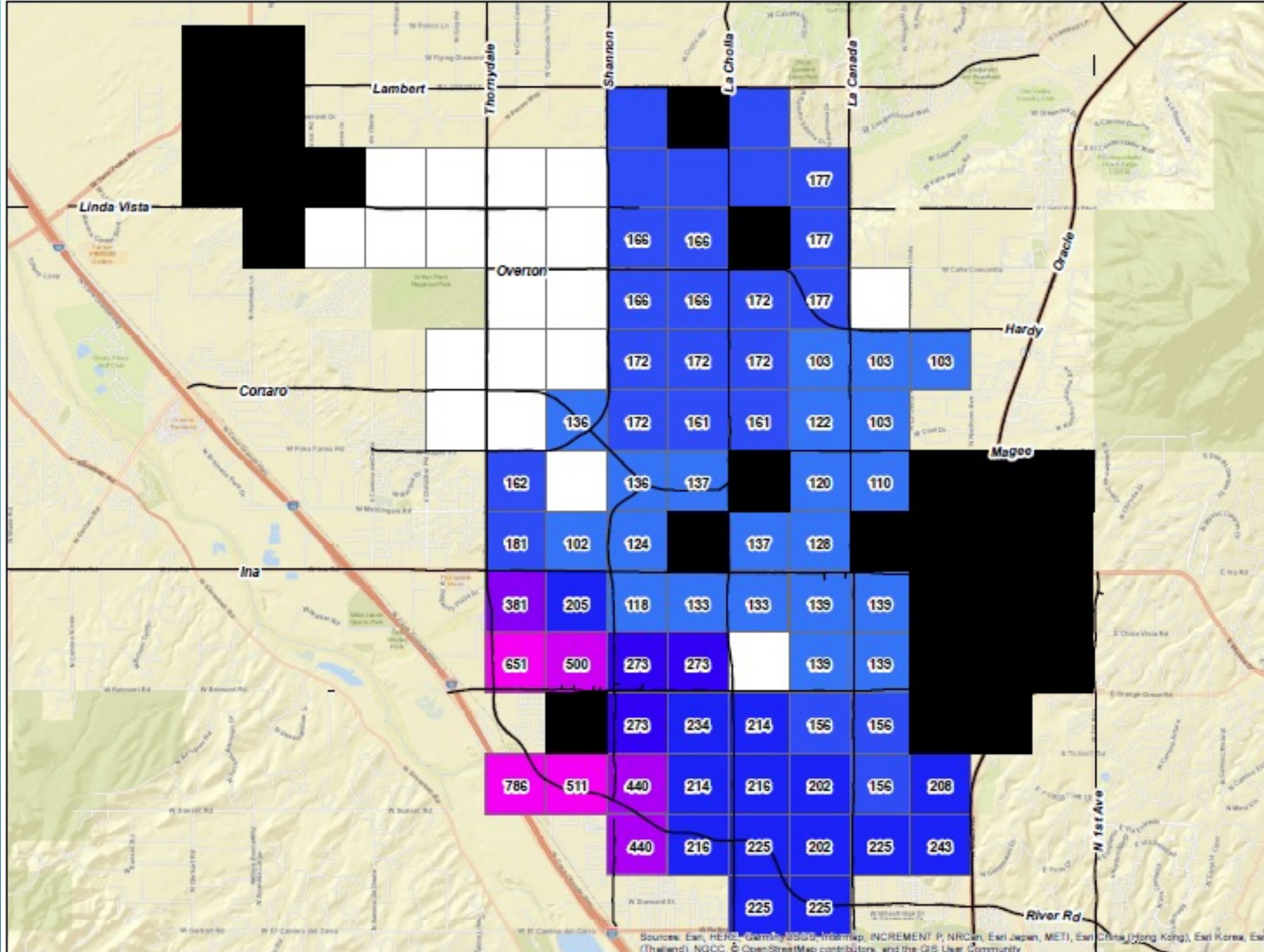
Northwest Recharge, Recovery and Delivery System

Metro Water District
Town of Oro Valley
Town of Marana

2 Existing Production Wells, 3 New
Partner Transmission Main and Forebay,
Individual Partner Booster and Service Area
Connections



Courtesy of Pima County



Explanation (mg/L)

Black	Not Scored	Dark Blue	251 - 300
White	No Data	Medium Blue	301 - 350
Light Blue	0 - 100	Light Purple	351 - 400
Blue	101 - 150	Dark Purple	401 - 450
Dark Blue	151 - 200	Light Pink	451 - 500
Very Dark Blue	201 - 250	Dark Pink	> 500

Values shown are TDS in mg/L.

Data are shown only if sample collected from MDWID well in cell or adjacent cell.

"Not Scored" = Cell eliminated from study due to:
 low-yield well in cell
 low saturated thickness
 all within 1,000-ft radius of wells of record



Date	2/20/2019	File ID	MW_WS-014

FIGURE 14
 TDS Concentrations
 Assigned to Grid Cells

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, © OpenStreetMap contributors, and the GIS User Community

Questions

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