



CAGRD
CENTRAL ARIZONA GROUNDWATER
REPLENISHMENT DISTRICT
A Division of Central Arizona Project

CAGRD/YMIDD Pilot Following Program: 2014 Enrollment and Field Verification Update

Program History

- CAWCD Board approved pilot program in September 2013
- Term: 2 – 3 year terms; re-evaluate at year 3
- Farmers paid to fallow lands that would otherwise be farmed
- Conserved water “saved” in Lake Mead
- Base Price = \$750/AC; District Reimbursement = \$21.36/AC;
District Administration = \$10,000/YR
- Estimated \$/AF = \$130

Program Overview

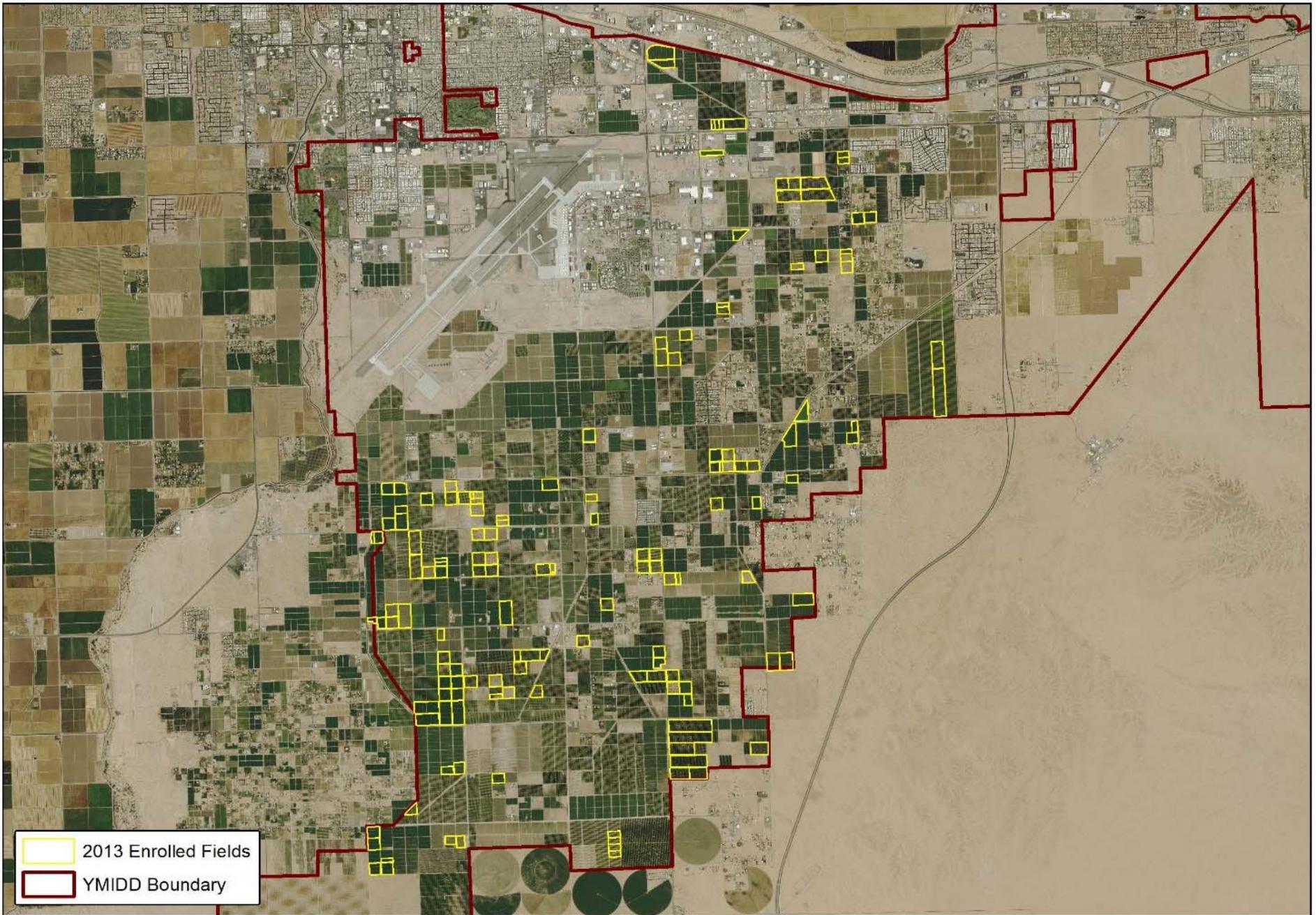
- Enrollment
 - CAGR Criteria
 - 1,500 acre target
 - Must have been farmed in 4 of the last 5 years
 - Would be irrigated for the production of crops if not enrolled in the following program
 - District Criteria
 - Landowners with 35+ acres eligible to participate
 - Enrollment capped at 15.7% of total irrigated acres for most landowners (approx. 10% for large landowners)
 - Minimum field size 5 contiguous acres

Enrollment Process

- September 2013 – initial program solicitation letter
- October 2013 – application review & quantification
 - Parcel mapping
 - GIS analysis of satellite imagery to verify crop history
 - Water delivery records review
 - Qualify fields
 - Allowed substitute acres for disqualified fields
- November 2013 – final program solicitation letter
 - Confirm ownership
 - Confirm enrolled fields and net acres
 - Land Management Plan questionnaire
- Nov./Dec. 2013 – landowner agreements

Enrollment

- 1,491 acres applied for enrollment in the program. Of these, 1,421 acres were qualified.
 - Measured only cropped acres
 - 35 landowners applied; 33 qualified
 - 91 parcels; 151 fields
 - Average field size = 15.3 acres
- (2014) Special Water Use Provision
 - Citrus Removal = 30.95 acres
- Program Year 1 Estimated Payment = \$1,106,103



Field Verification Process

- Field Verification Objectives
 - Confirm following on enrolled fields
 - Verify enrolled field boundaries and acreage
 - Establish basis for 1st Program payment
 - Assemble record for 1st annual Program Summary Report
 - Work with Regulators to establish & verify foregone consumptive water use

Program Enrollment Process

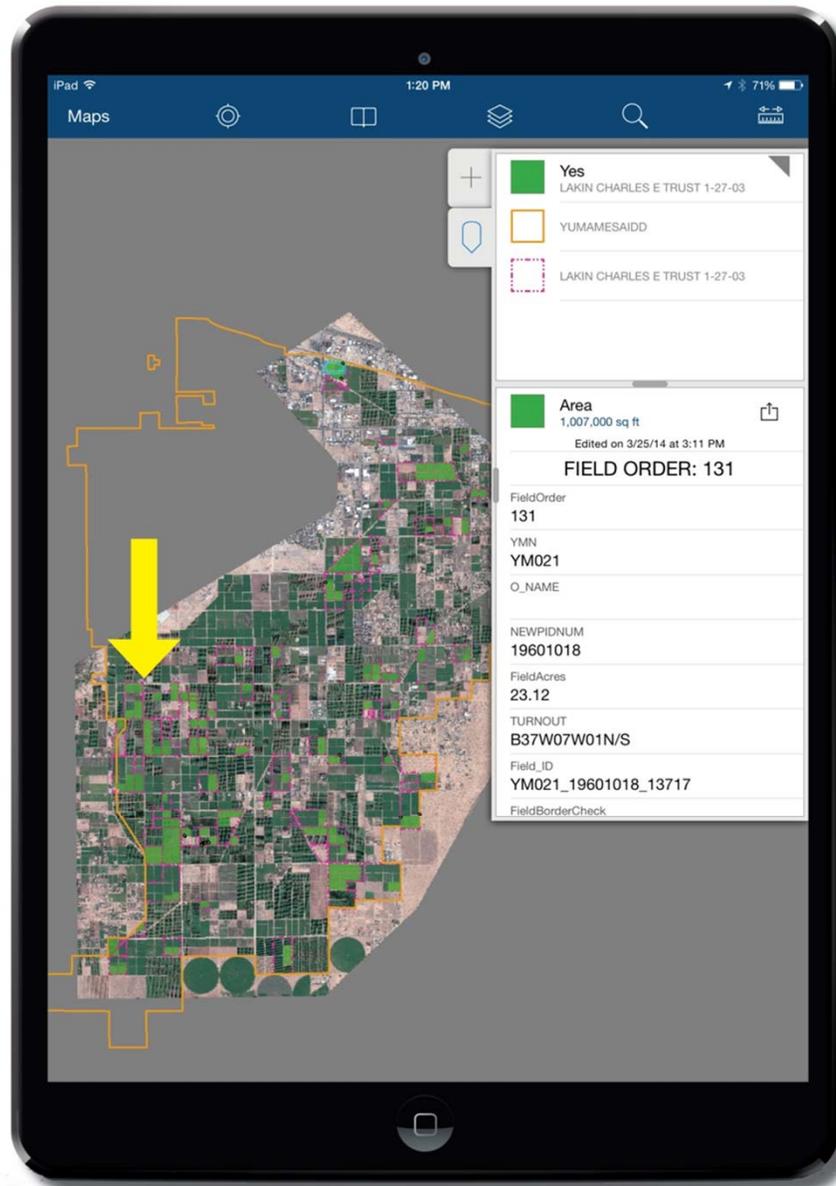
- Example - field boundary issues to be resolved



Field Verification Process

- Aerial imagery reviewed and landowner maps prepared for field visits
- Field visits to record data digitally
- GPS field boundaries marked – potential border changes identified
- Internal review conducted in collaboration with District
- Develop landowner-specific reports to support first Program payment





+	Yes
	LAKIN CHARLES E TRUST 1-27-03
	YUMAMESAIDD
	LAKIN CHARLES E TRUST 1-27-03

Area
1,007,000 sq ft
Edited on 3/25/14 at 3:11 PM
FIELD ORDER: 131
FieldOrder
131
YMN
YM021
O_NAME
NEWPIDNUM
19601018
FieldAcres
23.12
TURNOUT
B37W07W01N/S
Field_ID
YM021_19601018_13717
FieldBorderCheck

1st Field Verification Result

- 151 Fields visited
- Following confirmed for all enrolled fields
 - 6 net field boundary adjustments (increase/decrease total acreage) for a total acreage change of -14.37 acres
 - 2 fields flagged for additional follow-up this summer
- Total quantified following acreage = 1,402.80
- First district payment = \$525,121.50







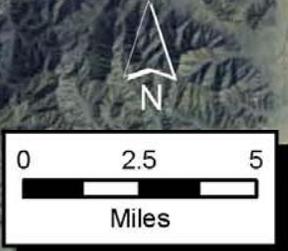
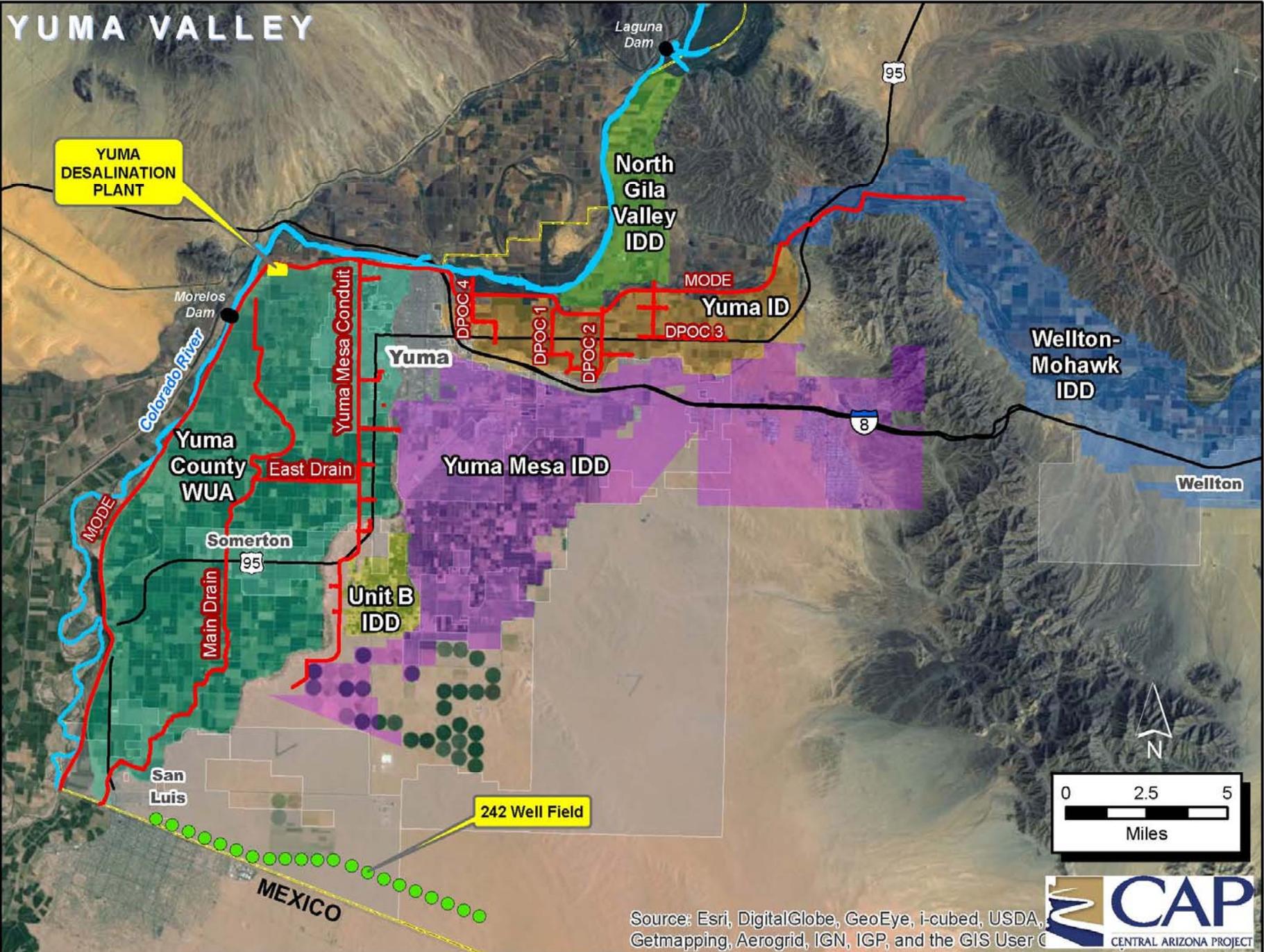


Conservation Quantification

- Quantification method will follow guidelines established by other following programs
- Water savings quantification based upon the reduction in crop consumptive water use
- Will apply only to net cropped acres – service roads, canals, irrigation infrastructure and any other features that created a clear division of fields were excluded
- Informed by historic and reported planned crop plantings on enrolled acres
- Proposed approach and quantification presented to USBR/ADWR this fall



YUMA VALLEY



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, Getmapping, Aerogrid, IGN, IGP, and the GIS User C



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Questions?