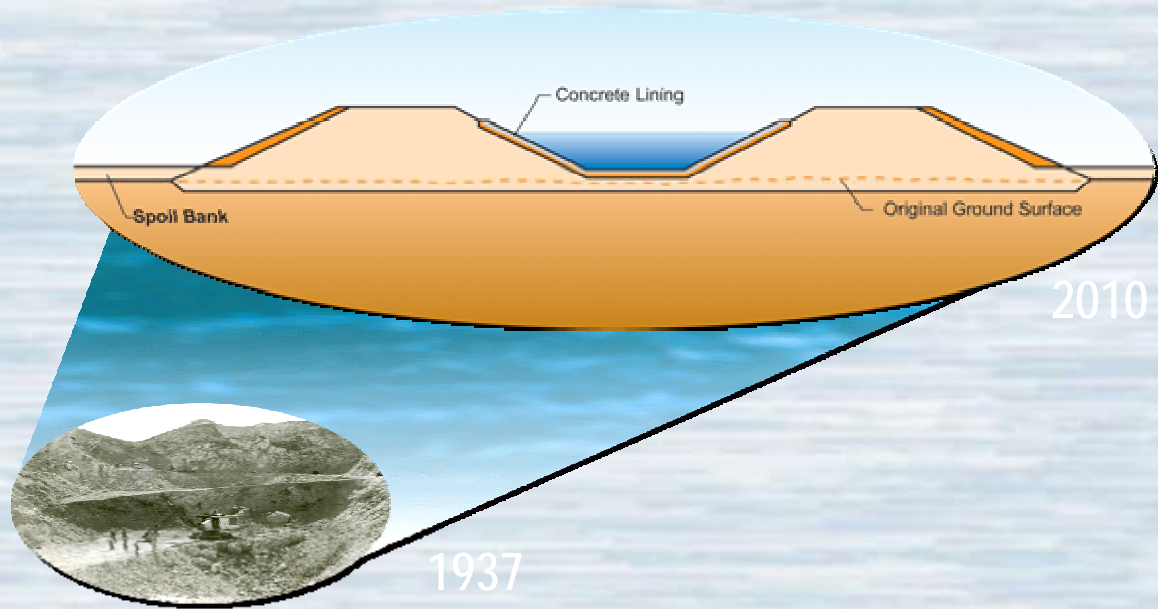




Imperial Irrigation District

In cooperation with:
Parsons Water & Infrastructure Inc.
Bookman-Edmonston
U.S. Bureau of Reclamation
Dr. Paul Krausman
EcoSystem Restoration Associates
ASM Affiliates



Colorado River Citizens Forum IVC Presentation

for the

All American Canal Project



San Diego County
Water Authority

Colorado River Basin



Canal Lining Project

- **Component of Colorado River Quantification Settlement Agreement**
- **In conjunction with lining of a portion of the Coachella Canal settles a water rights dispute and litigation dating to the 1960s**
- **Provides 67,700 ac-ft/yr of water**
- **SDCWA will receive 56,200 ac-ft annually**
- **SLR will receive 11,500 ac-ft annually**

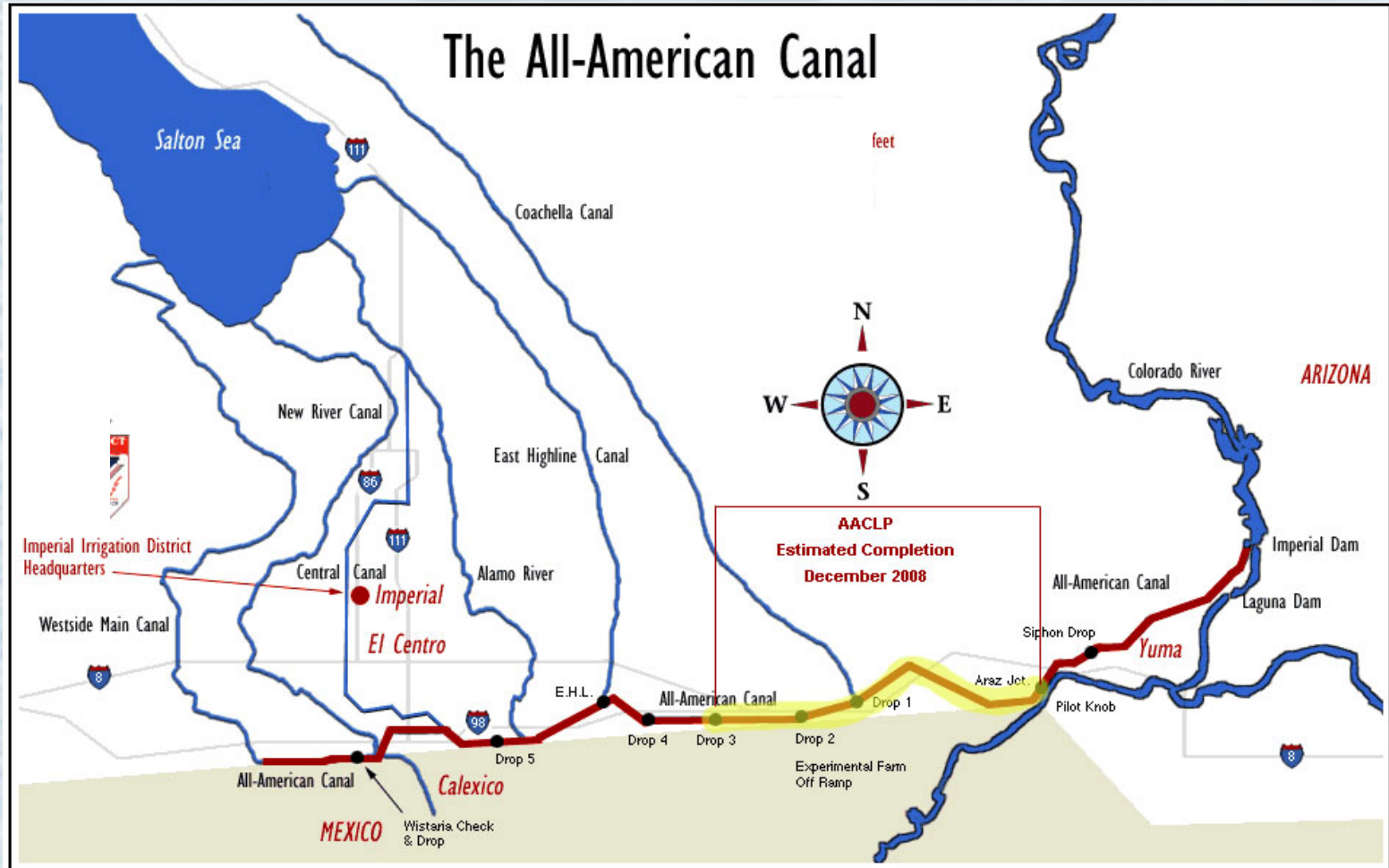
History of the All American Canal Lining Project

- **Congressional authorization of the Project was under PL 100-675, Title II signed into law by the President on November 17, 1988**
- **Concrete lining will begin just downstream of Pilot Knob (~Station 1170+27) to Drop 4, a total of about 29 miles**
- **During preparation of the EIS/EIR the Project was modified to begin at Station 1250+00 and end at Drop 3 (23 miles) due to:**
 - **Major environmental issues between Drops 3 & 4 and costs to mitigate such**
 - **Desire to locate the starting point further away from Pilot Knob, (a sacred area of the Quechan Indians) to eliminate any potential environmental/cultural conflicts**
- **Approved the Record of Decision (ROD) on July 29, 1994**

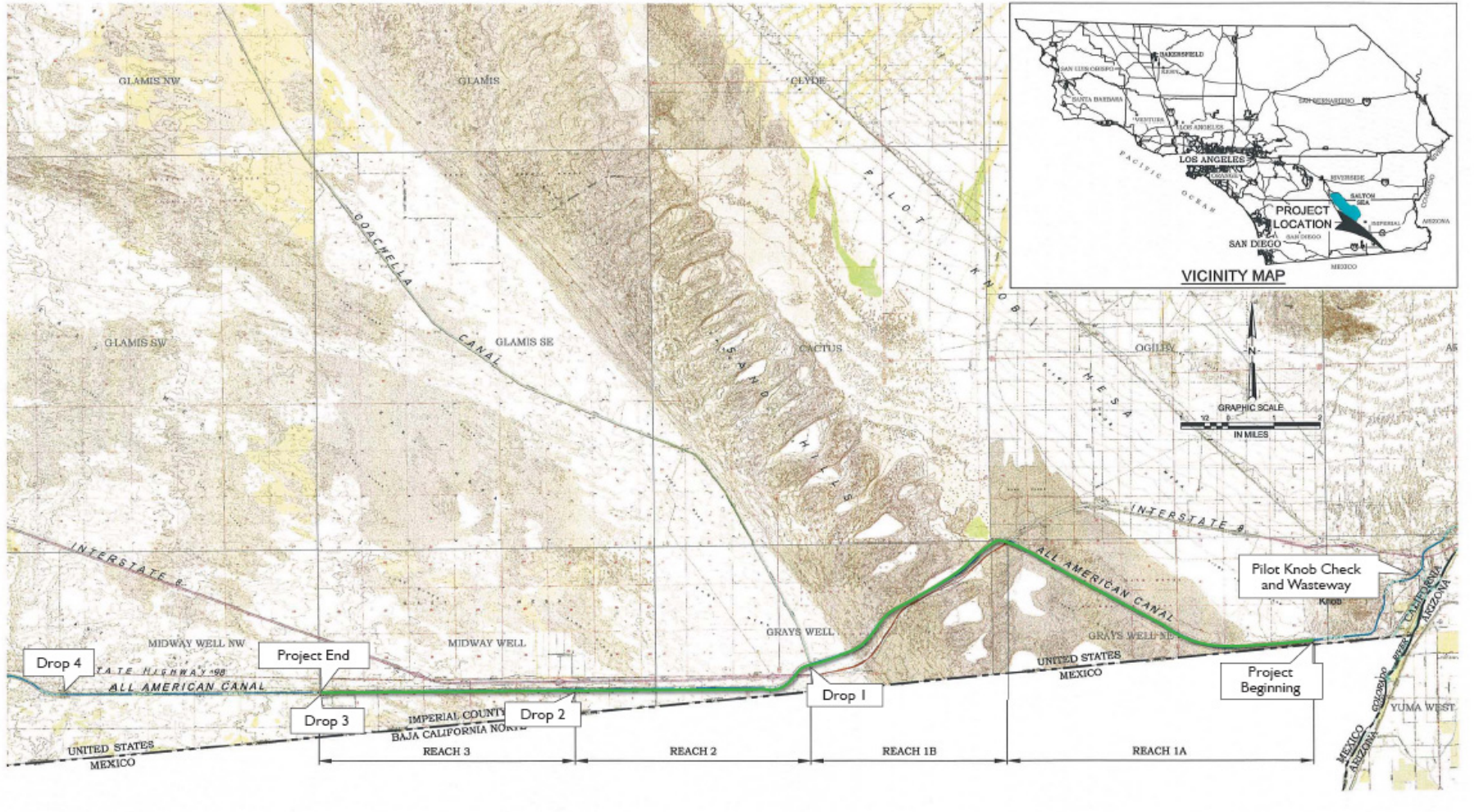
History of the All American Canal Lining Project

- Completed and filed EIS/EIR in July 1994
- Reclamation undertook a Re-examination and Analysis of 1994 FEIS/EIR and ROD which determined said documents remained current with the proposed action
- California State Legislature passes SB 1765 continuously appropriating \$200 million with \$126 million set aside for this Project. This bill was signed into law by the Governor on September 24, 1998
- California voters in 2003 approve Proposition 50; adds \$9.65 million to Project for total of \$135.65 million
- California State Legislature (Proposition 84) approved an additional \$17.4 million for the project in November of 2006
- Quantification Settlement Agreement (QSA) and its related documents signed on October 10, 2003 with the Project a key component to reduce California's water use to its 4.4 million acre-feet apportionment

AACLP Project Location



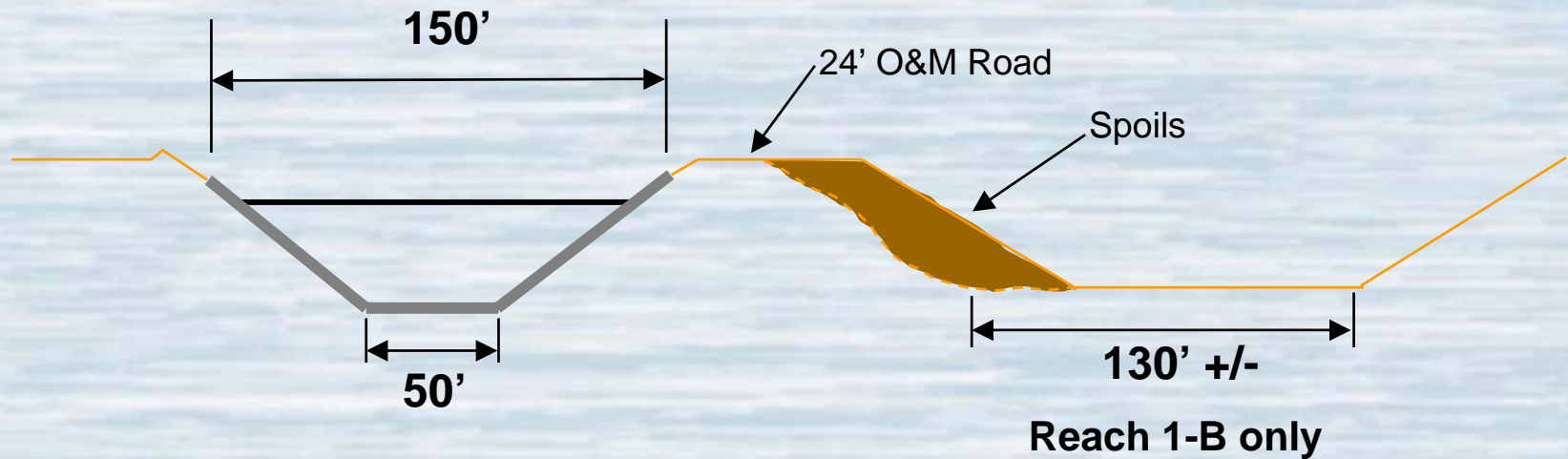
AACLP Alignment



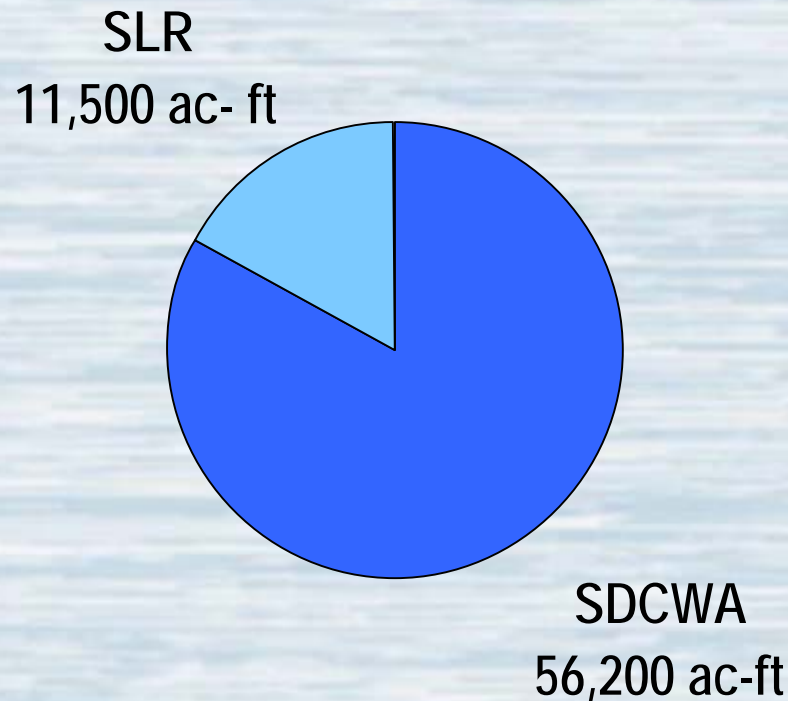
All-American Canal Typical Section

Proposed Lined Section
1.75H:1V side slope Reaches 1 & 2
2H:1V side slope Reach 3

Existing Unlined Section
2H:1V side slope



67,700 Acre-Feet per Year of Water Conserved from Lining the All-American Canal



How does completing 78% of the project result in recovering 97% of the seepage water?

- The seepage recovery by reach is as follows:

Reach	ac-ft	Cumulative ac-ft
1	50,850	50,850
2	14,700	65,550
3	2,150	67,700

Project Challenges

Project team worked diligently on a fast-track basis to address a number of design, construction, scheduling, and cost issues to minimize costs (construction, environmental, and operations/maintenance) yet optimize the new canal facilities and address the required environmental mitigation.

Design Challenges

- **New parallel alignment to minimize canal excavation, rights-of-way, and dewatering**
- **Reach 1B is most difficult—a number of alternatives were considered. The embankment in-canal alignment was selected**
- **Project has and will continue to be impacted by increases in fuel, cement, and to a smaller extent steel prices**
- **Working together to ensure that all state funds required based on current schedule are available**

Current Status

- **Design is complete but lawsuits are currently preventing construction from beginning**
- **Lawsuit resulted in a District Court decision in favor of the project. Plaintiff appeal with 9th Circuit resulted in an injunction on August 25th 2006**
- **Project is currently in the hands of the 9th Circuit with some type of court action occurring tomorrow**
- **Current schedule indicates construction will begin in June of 2007 and be completed in the Spring of 2010**

Current Status

- **Have negotiated with Ames/Coffman to maintain their contract in anticipation of a court decision in favor of moving forward with the project**
- **Currently in negotiations with Kiewit Pacific**
- **Current schedule indicates construction will begin in June of 2007 and be completed in the Spring of 2010**

Canal Photos





AACLP Project Organization

All American Canal Coordinating Committee (Voting Members)

- IID
- SDCWA
- Chairman

IID/DWR AACLP
Funding Agreement

IID Executive Program Manager

Participants (Non-Voting)

- Reclamation
- DWR
- San Luis Rey
- CVWD
- PVID

Parsons Project Manager

Design
Bookman-Edmonston
Project Manager

- Montgomery Watson Harza
- Various Consultants
- Canal Design - Dewatering
- Sedimentation - Soils
- Flow Measurement/
Operations
- Cost Estimating
- Construction Techniques

Design Coordination
Coordinator

- Geotechnics, Inc.
- TESCO

Construction Management
Construction Manager

Environmental Activities
Environmental
Coordinator

- AFM Affiliates
Cultural Resources
- Dr. Paul Krausman
Large Mammal Surveys
- EcoSystems Restoration
Associates
Wetlands Enhancement
- RECON • Parsons

AACLP OM&R Coordinating Committee

Voting Members

SDCWA

IID

CVWD

SLR

Member Jointly Appointed

Non-Voting Member

USBR

IID prepares O&M plan for All-American Canal

**Thank You
Questions?**