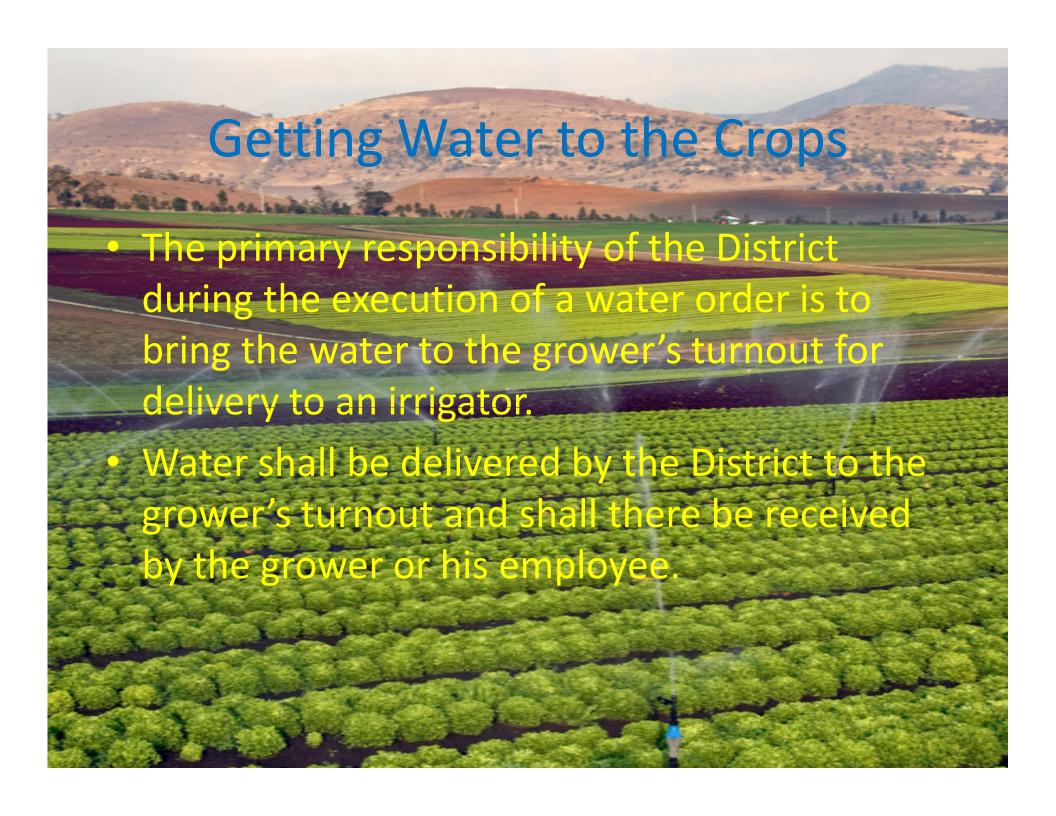




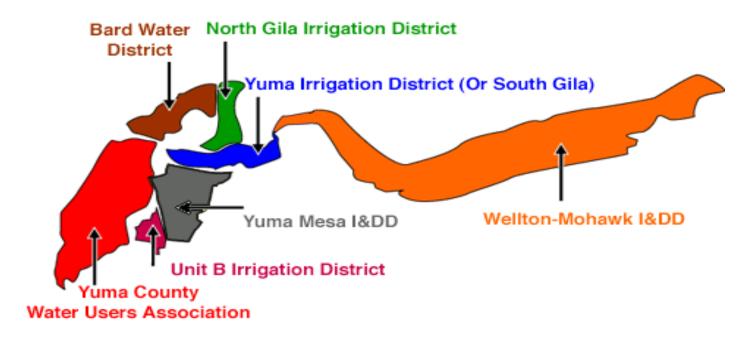
- Little Drops of water
- On little grains of sand
- Sure do make a différence
 - In the price of land





Wellton-Mohawk Division of the Gila Project

The District was created by an act of the Arizona State Legislature on July 23, 1951. It was organized to provide a legal entity which could enter into a contract with the United States to repay the cost of this irrigation and power project, and to operate and maintain the project facilities. Congress authorized the irrigation features on July 23, 1947 as the Wellton-Mohawk Division of the Bureau of Reclamation's Gila Project with a consumptive use entitlement . President Truman signed that legislation into law on July 30, 1947.



Gila Gravity Main Canal Headworks Imperial Dam



Gila Gravity Main Canal Headworks Imperial Dam

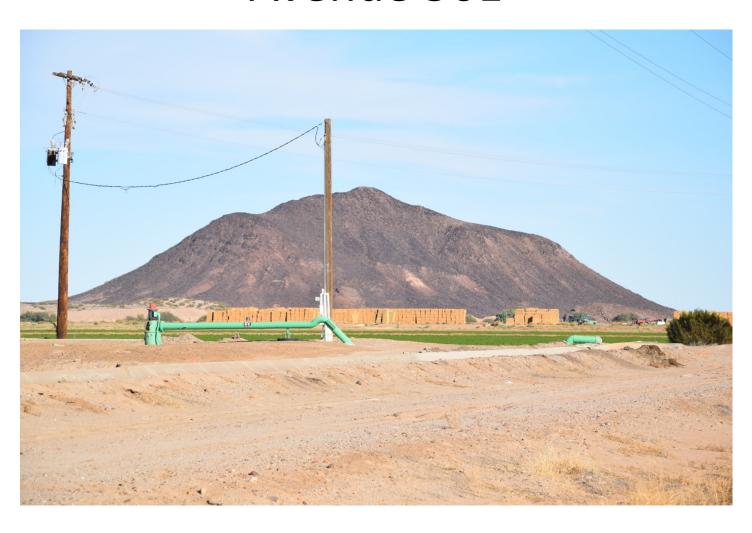


Gila Gravity Main Canal – the "Y"

Avenue 12E – Station 791+37 (15 Miles)



Texas Hill Avenue 56E



THE RIVER

Operations

THE RIVER

- Water Ordering bottom up
- Water Delivery top down

FIELD

FIELD

Water Ordering

- Field
- Lateral
- Division
- Main Canal
 - District
 - River



Field Level

- · What is an order:
- Name of User and contract number
- Zanjero division, lateral and turnout
- Flow rate and hours needed
- Desired Delivery Date

Field Level

- Set turn time water at field gate at a set time
- Water must be run for a set time usually 12 or 24 hours.
- Sequential water moves from one gate to the next in rotation.
- Flexible start time, run time, and end time are flexible within system capacity.



Lateral or Ditch Level

- Rules governing water service:
- are needed,
- should be written and provided to water users,
- are usually approved by the Board,
- Protect the system and protect employees,
- Water users know what to expect.



Division Level

- Lateral water requirements aggregated in division order.
- May be used in scheduling water to individual laterals, scheduling relift pumps or wells, scheduling personnel.
- Zanjero Run Sheets



District Level

- Aggregate Main Canal flow requirements into District need.
- Address capacity issues (water available, pumping capacity, canal capacity).
- Transmit order to supplier (Reclamation)
- Master Order Wednesday for following week
- Yuma Mesa is the Gila Gravity Watermaster



- Master Order Wednesday for following week
- Revise Master Schedule 3 Days out
- Adjust with Gila Rider 1 day out
- Handle any "mis-match" with storage or carryovers

Mis-Match? What Can Go Wrong?

- Late Request water
- Weather rain or shine
- Pumps they only fail when you need them.
- Insufficient water available (district order not matched)
- Water Ordered but Not Delivered (WOND)





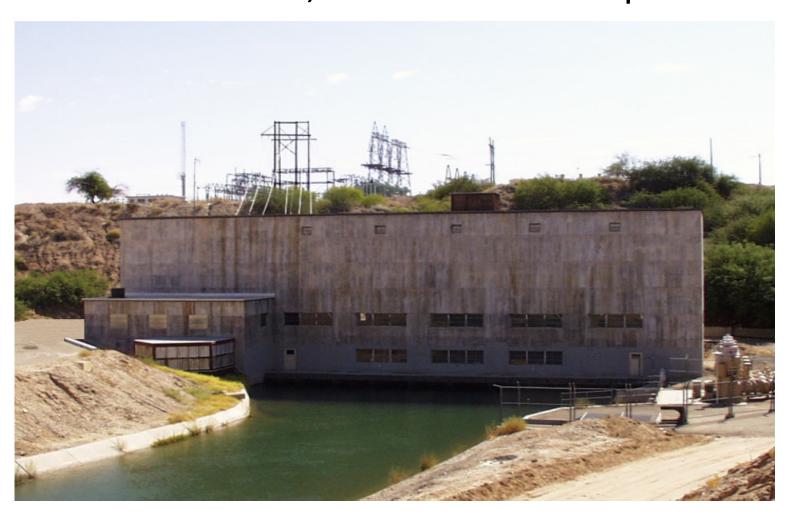
Gila Gravity Main Canal Headworks Imperial Dam



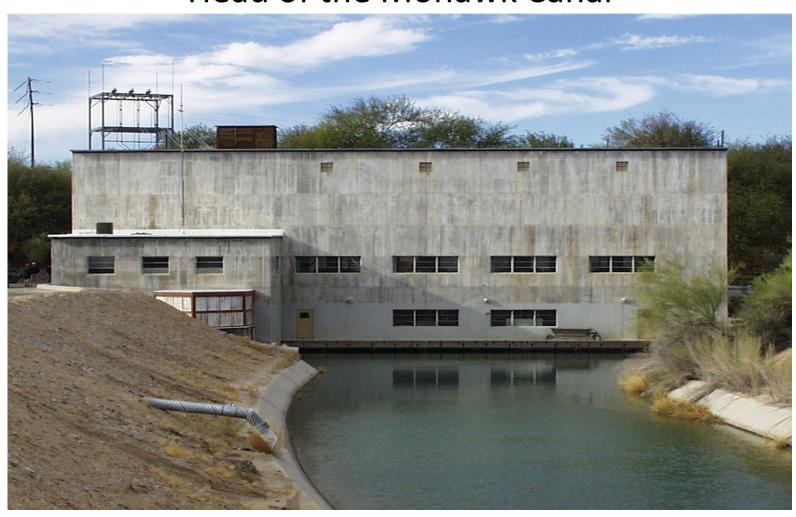
12 Hours to Pumping Plant No. 1 30 foot lift, 6 – 1100 HP Pumps



Pumping Plant No. 2 85 Foot lift, 5 – 3000 HP Pumps



6 Hours later - Pumping Plant No. 3 55 Foot lift, 4-1850 HP Pumps Head of the Mohawk Canal



Mohawk Canal 2-36 hours travel time



Mohawk 18.8 Relift



Dome Canal Heading (Gravity)



Wellton 11.7 Heading and Check



Lateral Travel Time 1-6 Hours



Delivery to the Field (Finally!)



60 Miles

Gila Gravity Heading

Texas Hill 3.5





