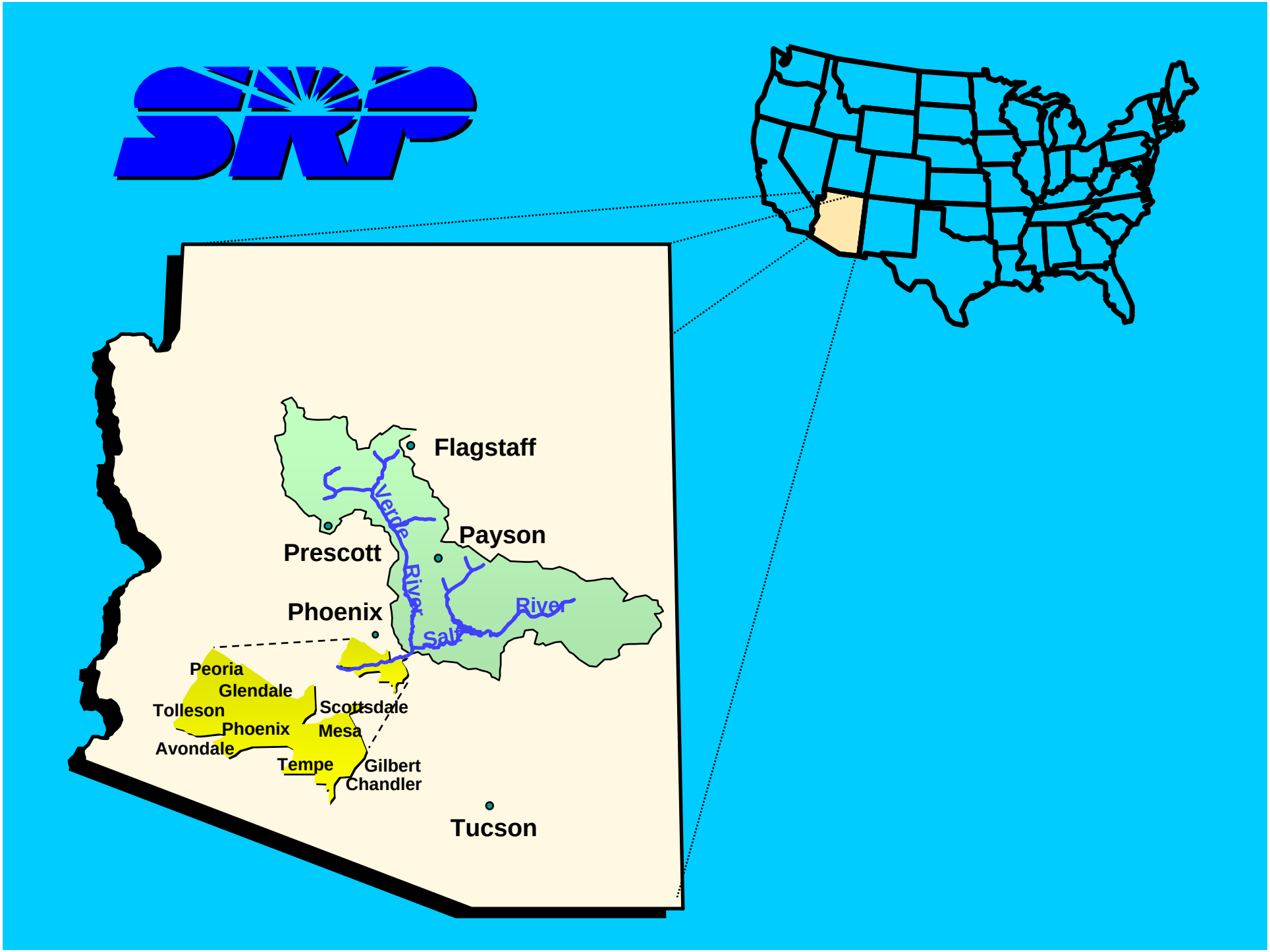
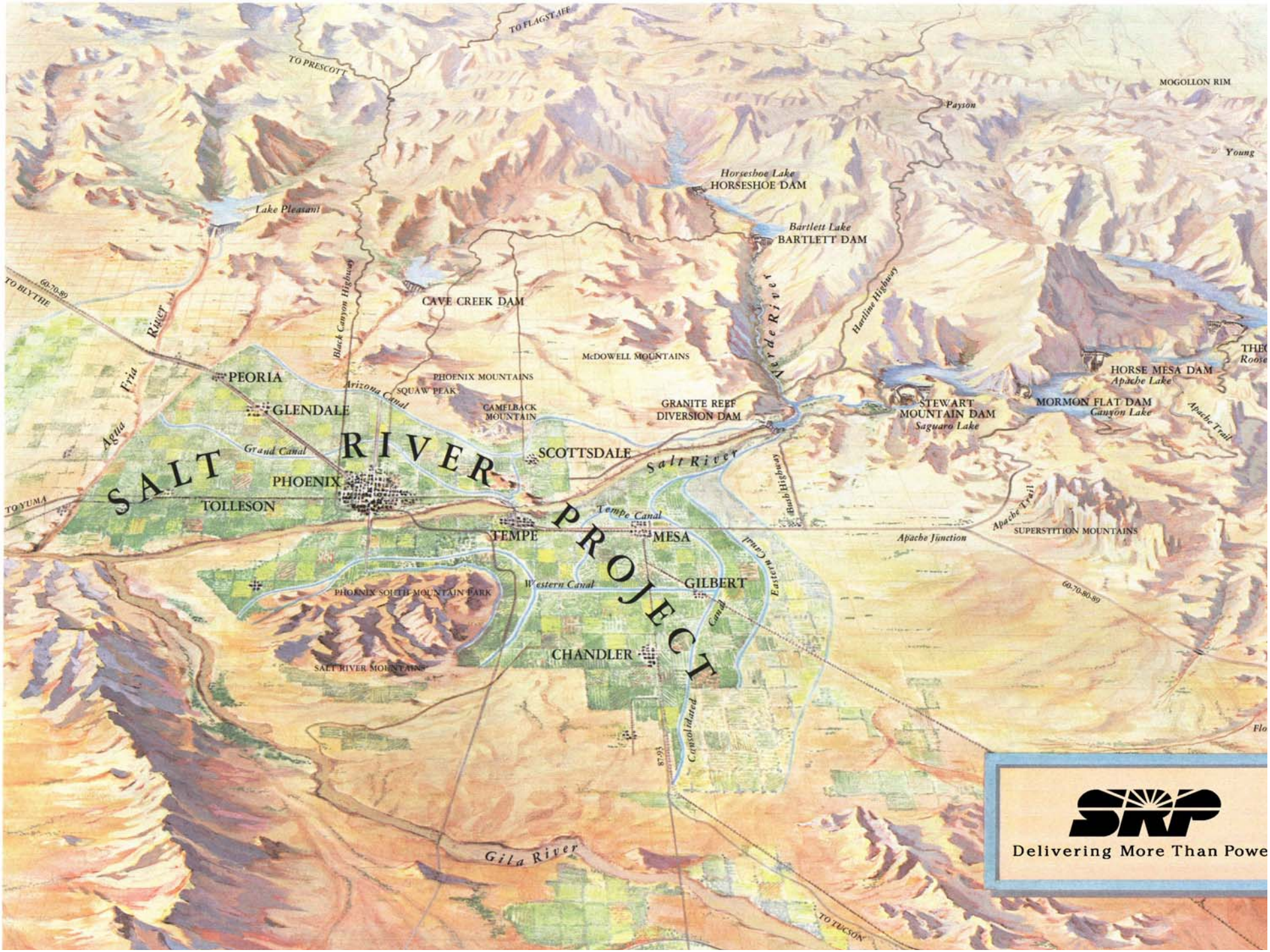
Bureau of Reclamation's

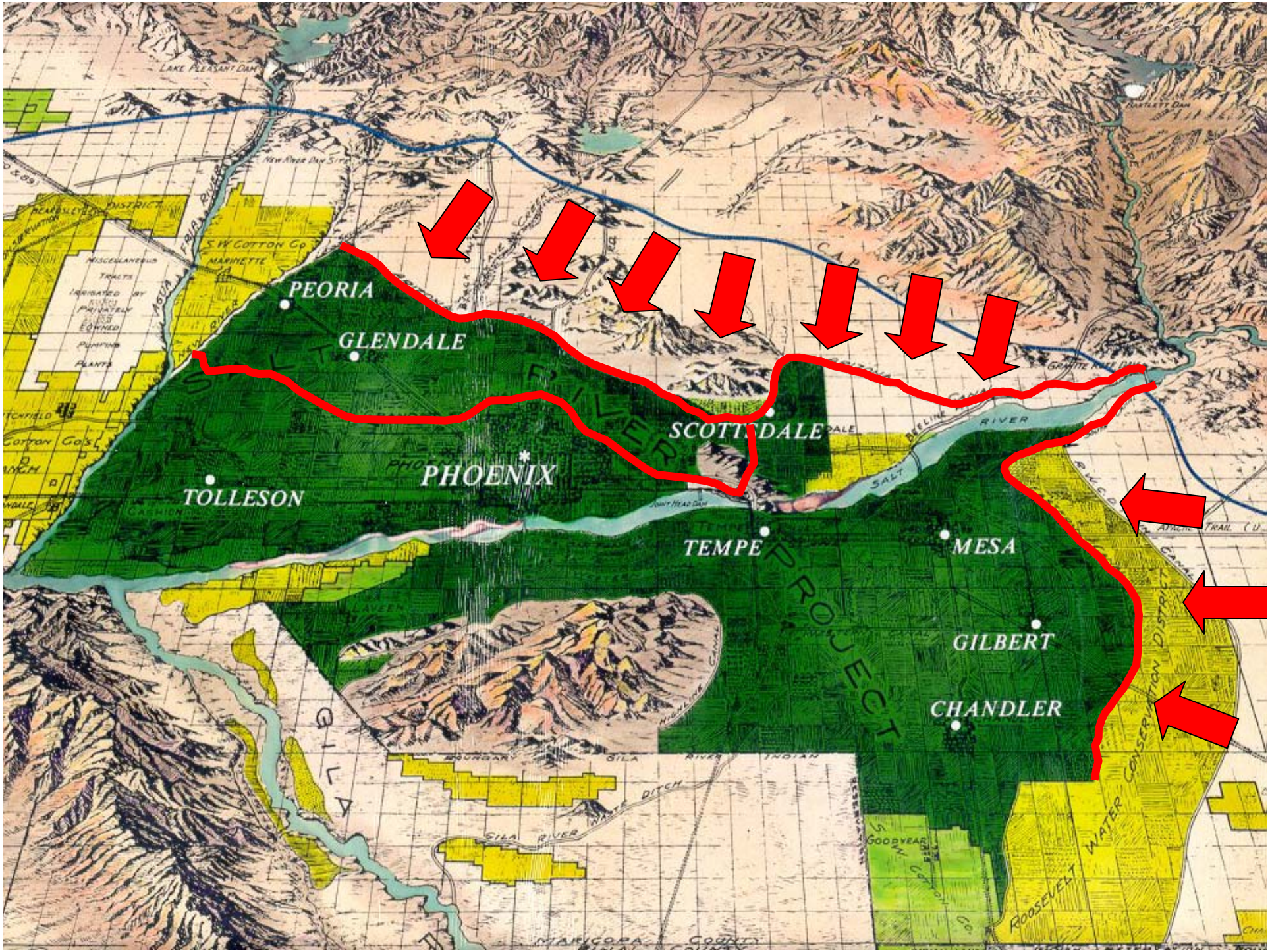
Canal Safety/Asset Management Workshop

May 14, 2008

Denver, CO


Flagstaff
Verde
River
Payson
Prescott
Phoenix
River
Salt
Peoria
Glendale
Tolleson
Scottsdale
Phoenix
Mesa
Avondale
Tempe
Gilbert
Chandler
Tucson


TO FLAGSTAFF
TO PRESCOTT
MOGOLLON RIM
Payson
Young
Horseshoe Lake
HORSESHOE DAM
Lake Pleasant
Bartlett Lake
BARTLETT DAM
TO BLYTHE
60-70-89
Black Canyon Highway
CAVE CREEK DAM
Verde River
Hartline Highway
McDOWELL MOUNTAINS
Agua Fria River
PEORIA
PHOENIX MOUNTAINS
Arizona Canal
SQUAW PEAK
GLENDALE
CAMELBACK MOUNTAIN
GRANITE REEF DIVERSION DAM
STEWART MOUNTAIN DAM
Saguaro Lake
HORSE MESA DAM
Apache Lake
MORMON FLAT DAM
Canyon Lake
Apache Trail
Grand Canal
SALT RIVER PROJECT
SCOTTSDALE
Salt River
PHOENIX
TOLLESON
TO YUMA
Tempe Canal
TEMPE
MESA
Apache Junction
SUPERSTITION MOUNTAINS
Eastern Canal
Western Canal
GILBERT
PHOENIX SOUTH MOUNTAIN PARK
60-70-80-89
CHANDLER
SALT RIVER MOUNTAINS
Consolidated Canal
87-93
Gila River
TO TUCSON
SRP
Delivering More Than Powe


PEORIA
GLENDALE
SCOTTSDALE
PHOENIX
TOLLESON
TEMPE
MESA
GILBERT
CHANDLER
SALT RIVER PROJECT
LAKE PLEASANT DAM
NEW RIVER DAM SITE
S.W. COTTON Co
MARINETTE
MISCELLANEOUS TRACTS IRRIGATED BY PRIVATELY OWNED PUMPING PLANTS
AGUA FRIA RIVER
NEW RIVER
CAP CANAL
GRANITE REEF DAM
BEELINE CANAL
SALT RIVER
JOINT HEAD DAM
APACHE TRAIL
GILA RIVER INDIAN
GILA RIVER WASTE DITCH
GOODYEAR
ROOSEVELT WATER CONSERVATION DISTRICT
MARICOPA COUNTY

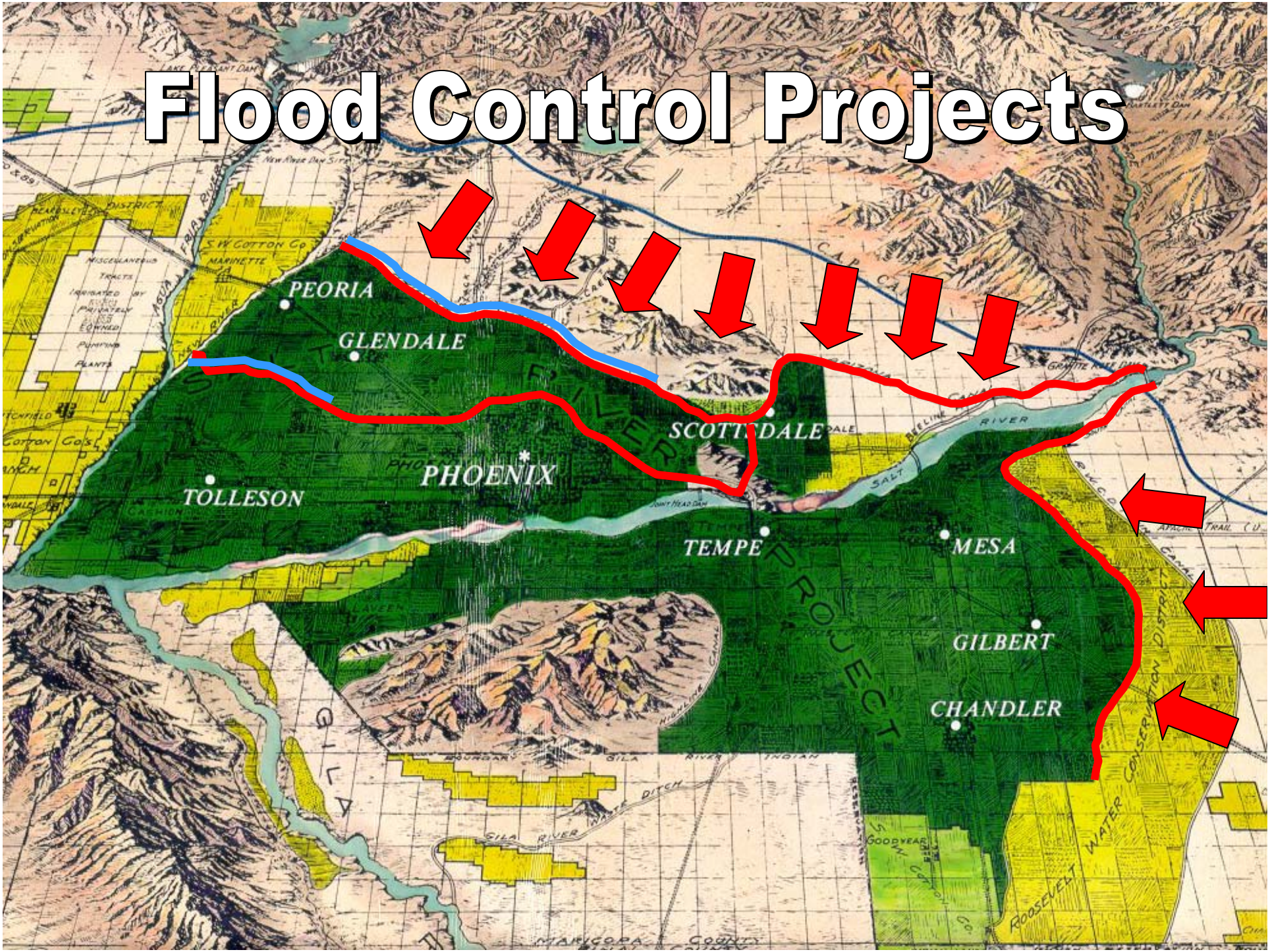
No Breaches or Overtopping
in over 30 Years
What Has Changed?

Canals Have Been Lined

Spillways @ Historic Washes

Emergency Spillways

Flood Control Projects



Aquatic Vegetation

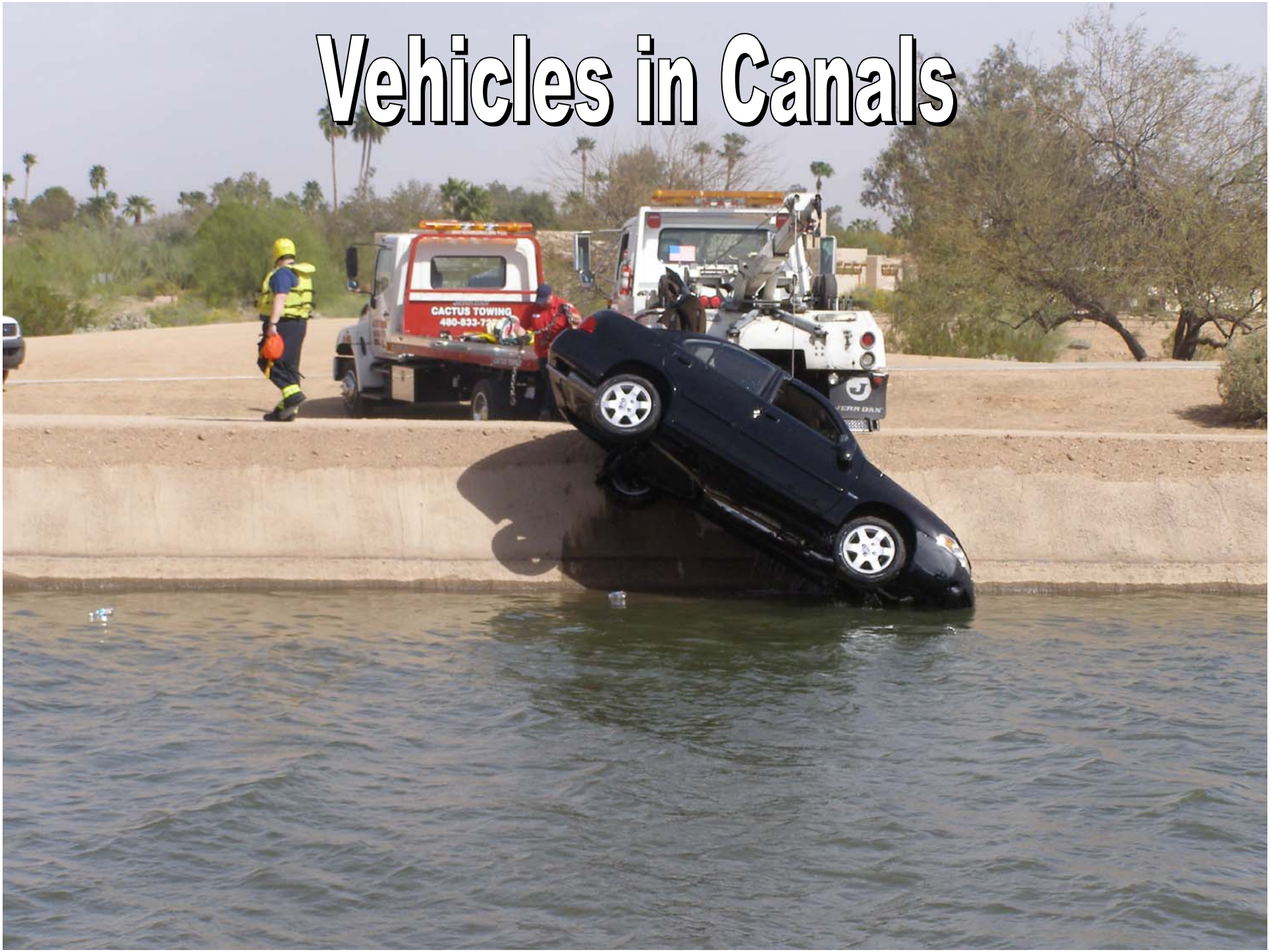
Gopher Walls

Utility Borings/Jackings

Vandalism

Fallen Trees

Vehicles in Canals



Threats to Canal Integrity

- Major Storms
- Power Outages
- Vehicles In Canals
- Vandalism
- Fallen Trees
- Utility Borings Beneath Canals
- Aquatic Weed Growth
- Rodents

Canal Contamination Sources

- Municipal Storm Drains
- Vehicles in Canals
- Illegal Dumping
- Dairy Waste
- Residential Swimming Pools
- Federal Superfund Cleanup Discharges
- State WQARF Cleanup Discharges

Hazmat Teams

HAZARDOUS
MATERIALS
SRP
RESPONSE
&
CLEAN-UP
TEAM

Canal Maintenance "Headaches"

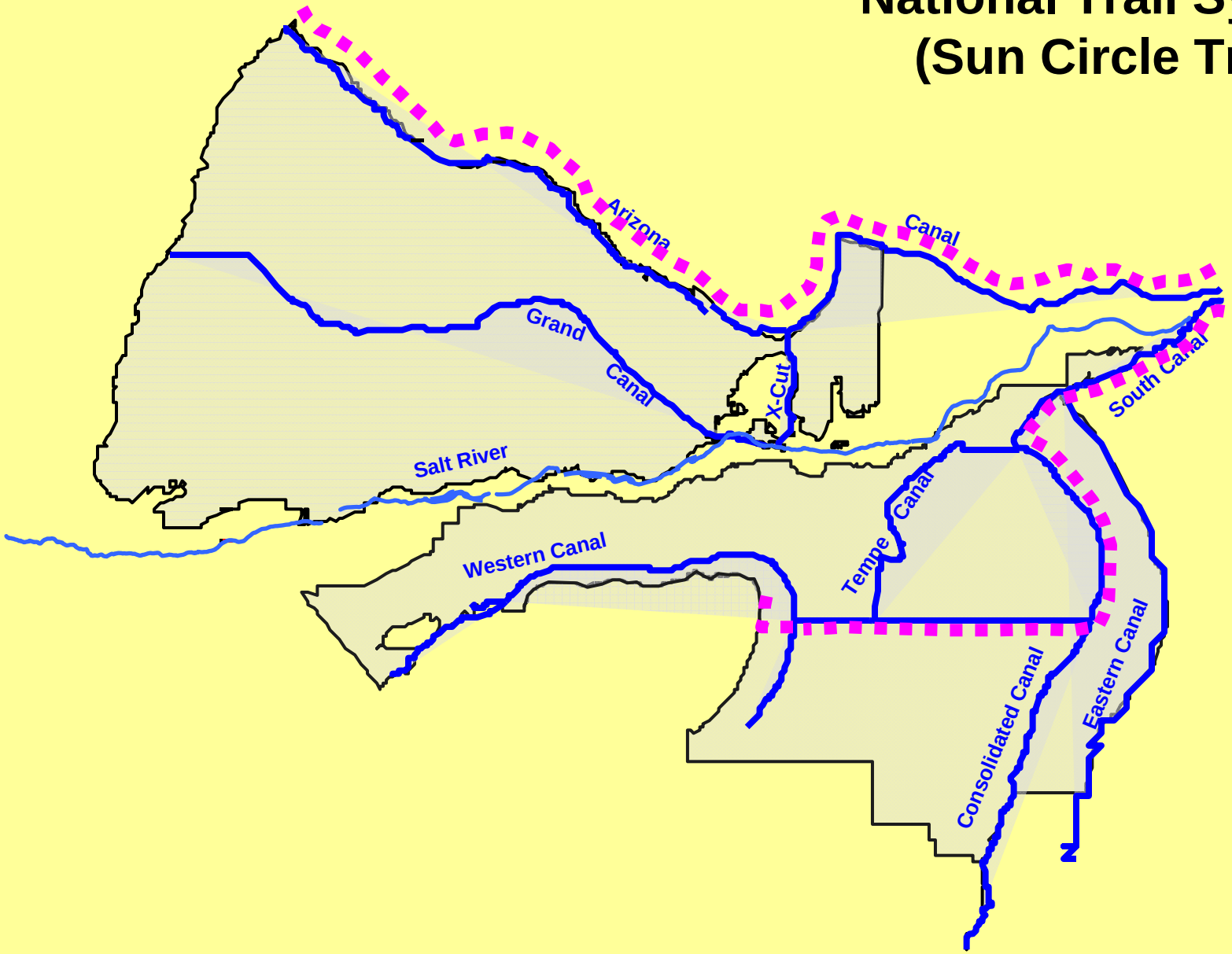
- Dust Abatement
- Fish
- Illegal Dumping
- Vagrants & Camping
- Canal Road Gates
- Federal Superfund Cleanup Discharges
- State WQARF Cleanup Discharges

Dust

202

OLIVE & IVY
OLIVE & IVY

National Trail System
(Sun Circle Trail)



sun
circle
TRAIL

QUESTIONS?