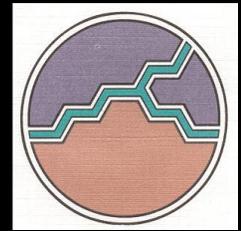


# Yuma Wetlands Project



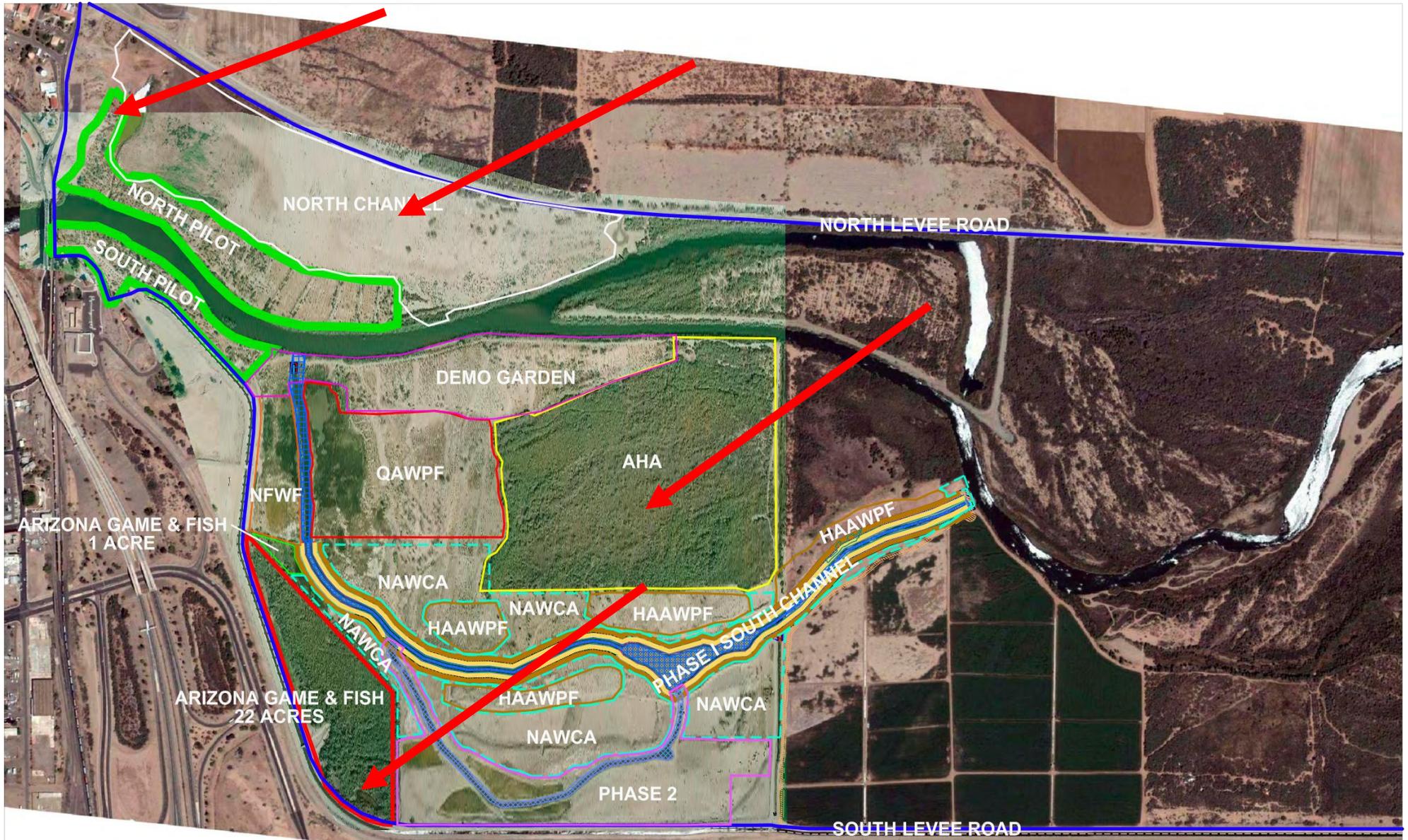
Project Update February 2010



# Project Accomplishments 2008-2009

- Completion of 140 acres of restoration in 2009
- Completion of Yuma East Wetlands nature park
- First public trail in wetlands opened in January 2009
- Over 350 acres restoration completed to date
- At the moment over 60 people employed by the project
- Farming community utilized in project for expertise and construction
- Over 8 million dollars in economic impact over the last 9 years in Yuma community
- Wildlife population recovering rapidly

# 2009 A year of progress



 Fred Phillips Consulting, LLC  
 401 SOUTH LEROUX STREET  
 FLAGSTAFF, AZ  
 86001  
 TEL 928 773 1530  
 FAX 928 774 4166  
 Ecosystem Restoration Land Planning

REV.	COMMENT	DATE

YUMA EAST WETLANDS  
 RESTORATION PROJECTS MAP

CITY OF YUMA

YUMA, ARIZONA

SHEET TITLE :  
 PROJECT  
 BOUNDARIES



DATE: NOVEMBER 5th, 2009  
 JOB NO.:  
 DRAWN BY: JF  
 DESIGNED BY: FOP/AH  
 CHECKED BY: FOP

SHEET NO.:  
 FIGURE 1

























**Freshly irrigated cell HM1 planted with tubex tree protectors**



**Augering the willow cluster holes on cell SBWH2**



**Planting cottonwoods in cell CWB**

# Nearing Project Completion

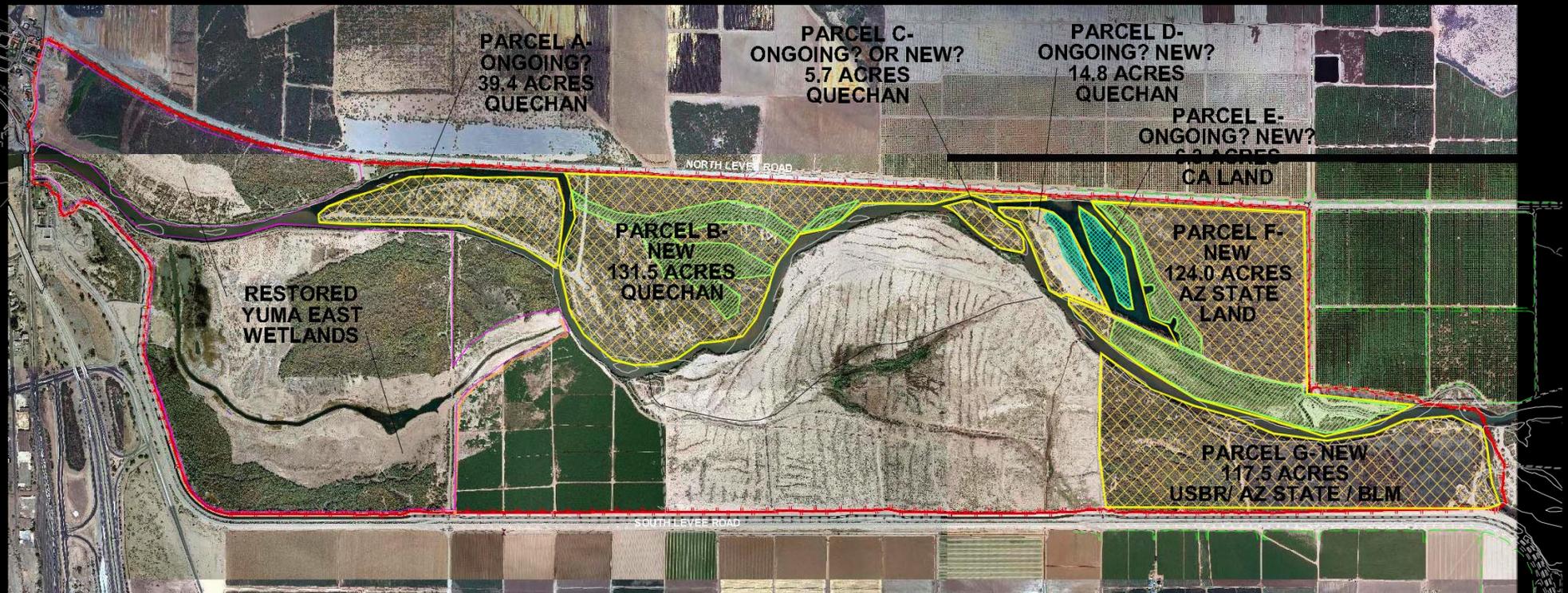
## Two Years to go

**2011 & 2012- \$4 Million**

**MSCP/HA/COY/QIT**  
**providing 50 year long term**  
**O&M Costs for Project at**  
**\$350,000/year**

**Planned projects for  
2011 and 2012**

# Remaining acres in YEW to be restored

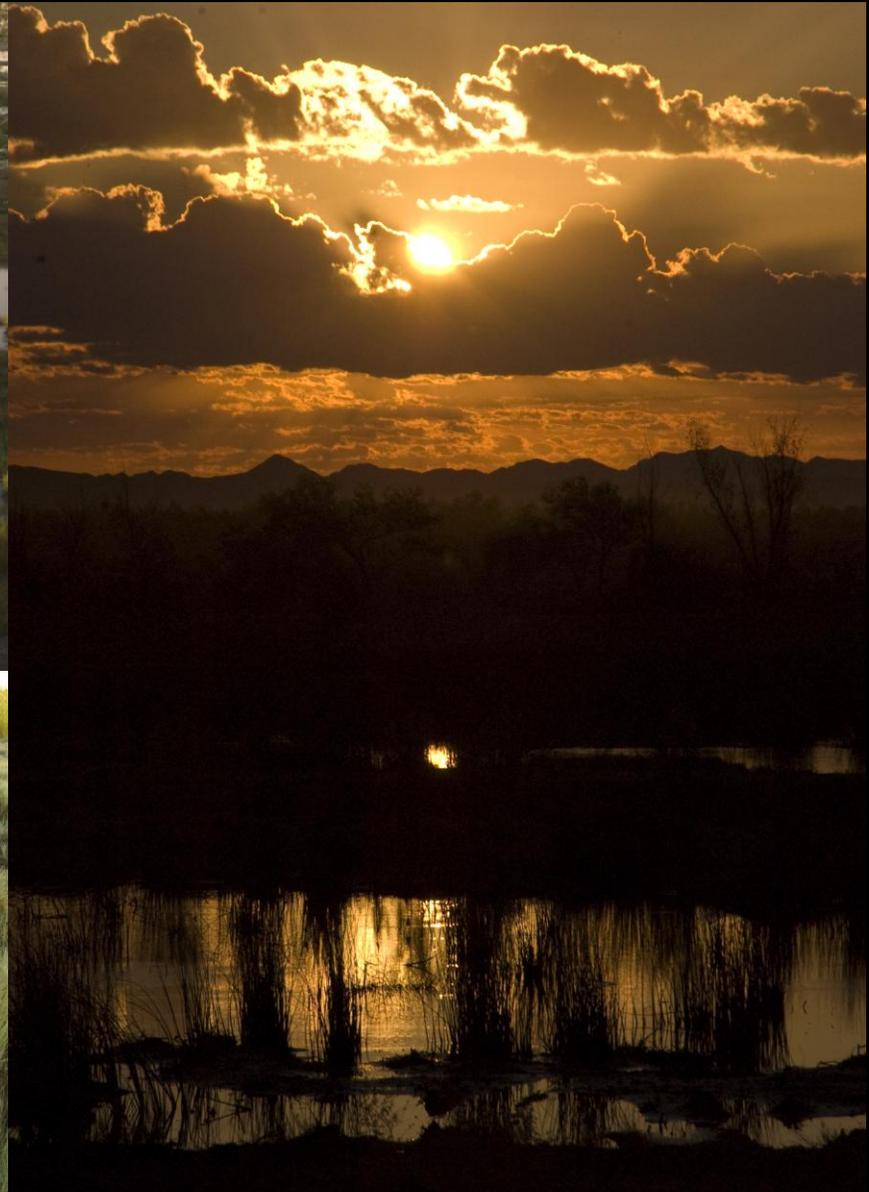


# Bankline restoration





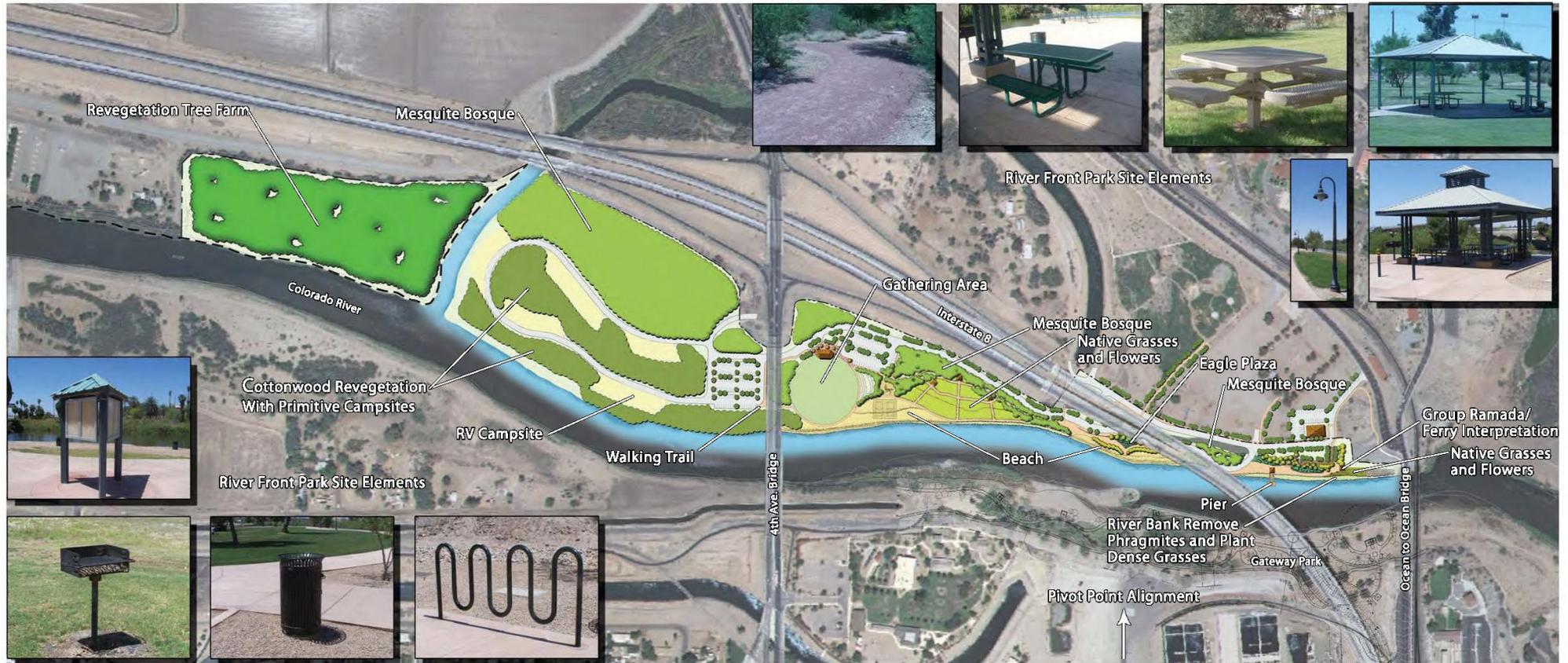
# Ongoing maintenance of 350 acres of completed restoration



# Improve recreation facilities in wetlands



# North bankline restoration



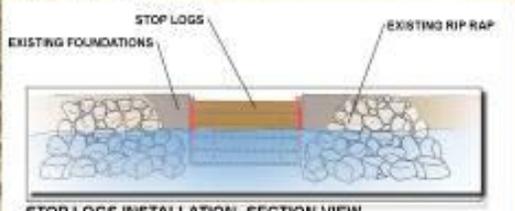
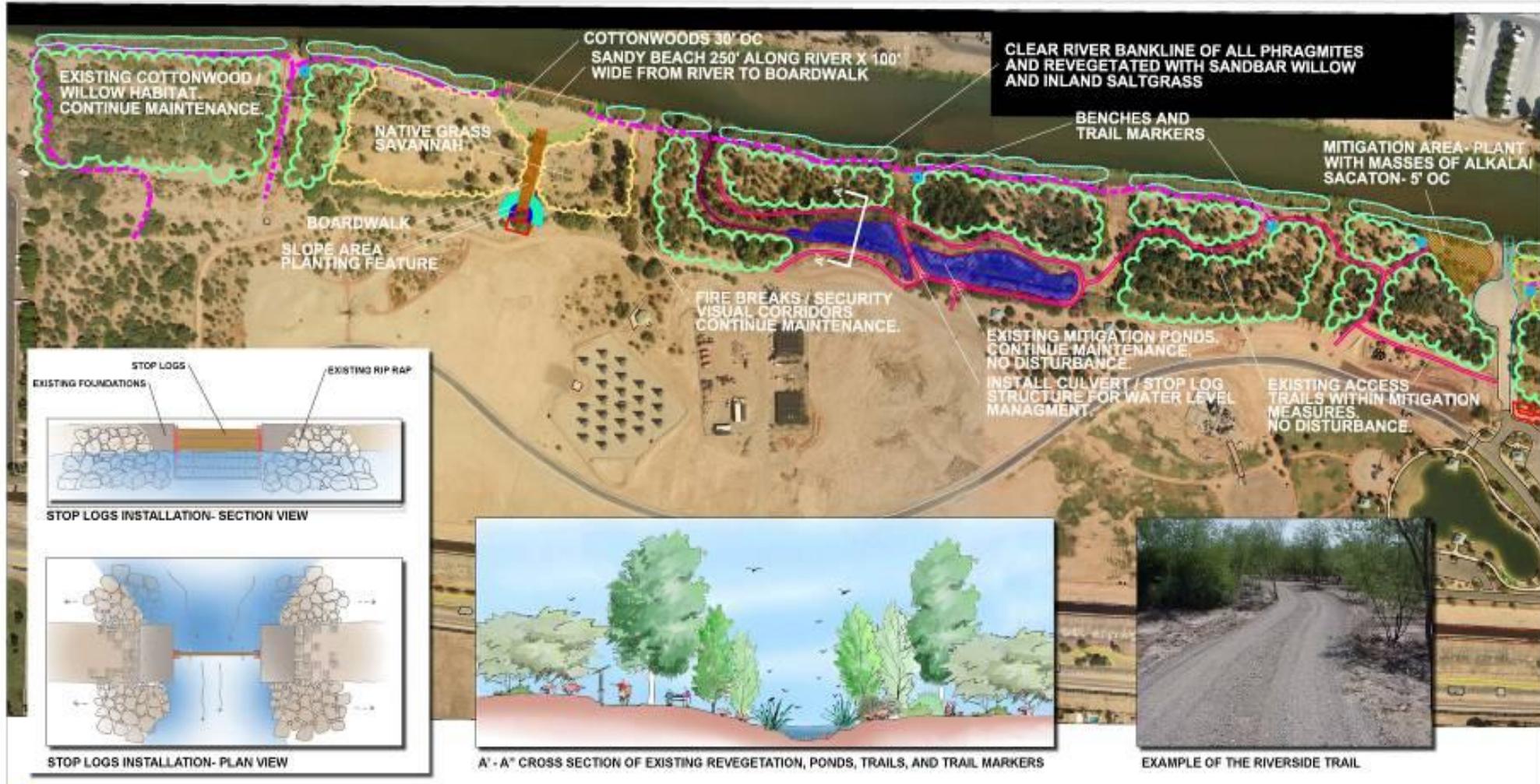
Fred Phillips Consulting  
Date: 9/24/09

## Quechan River Front Master Plan Park Concept

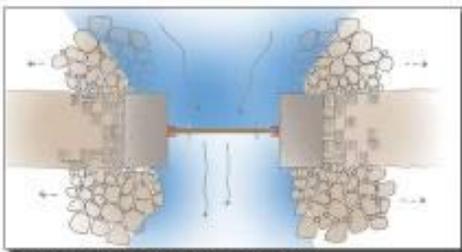
Scale: 1" = 100'  
North



# Completion of Yuma West Wetlands Restoration



STOP LOGS INSTALLATION - SECTION VIEW



STOP LOGS INSTALLATION - PLAN VIEW



A-A' CROSS SECTION OF EXISTING REVEGETATION, PONDS, TRAILS, AND TRAIL MARKERS



EXAMPLE OF THE RIVERSIDE TRAIL

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 2630 TWENTY COURT  
 ANNE ARBOR, MI  
 48106  
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 FAX 734 685 5807

REV.	COMMENT	DATE

**YUMA WEST WETLANDS  
 MASTER PLAN  
 LOWER TERRACE DESIGN**  
 CITY OF YUMA  
 ARIZONA

**USACE PERMIT  
 REQUIRED FOR  
 CONSTRUCTION**  
 0 50 100 200ft NORTH

DATE: MARCH 10, 2008  
 JOB NO.:  
 DRAWN BY: AH  
 DESIGNED BY: PEP/AH  
 CHECKED BY: PEP  
 GRADING TITLE: PHASE 1 DESIGN SHEET NO.:  
 1 of 2

# Paradise cove restoration



**BLM Paradise Cove**  
Wetlands Restoration Drawing

## ACKNOWLEDGEMENTS

**WITH SPECIAL THANKS TO SENATOR JON KYL AND SENATOR JOHN MCCAIN AND CONGRESSMAN ED PASTOR AND CONGRESSMAN RAUL GRIJALVA. WITHOUT THERE SUPPORT THE YUMA EAST WETLANDS WOULD NOT BE POSSIBLE**

**WITH SPECIAL THANKS TO THE YUMA EAST WETLANDS SPONSORS, SUPPORTERS AND PARTICIPANTS**

**QUECHAN INDIAN TRIBE  
CITY OF YUMA  
YUMA CROSSING NATIONAL HERITAGE AREA  
US BUREAU OF RECLAMATION  
ARIZONA WATER PROTECTION FUND  
NATIONAL PARK SERVICE  
NATIIONAL FISH AND WILDLIFE FOUNDATION  
NORTH AMERICAN WATERFOWL CONSERVATION ASSOCIATION  
SONORAN JOINT VENTURE  
ENVIRONMENTAL DEFENSE  
WALTON FAMILY FOUNDATION  
ARIZONA GAME AND FISH DEPARTMENT  
BUREAU OF LAND MANAGEMENT  
US FISH AND WILDLIFE SERVICE  
YUMA FARM BUREAU  
ARIZONA WESTERN COLLEGE  
CAL STATE LOS ANGELOS  
UNIVESRITY OF REDLANDS  
NORTHERN ARIZONA UNIVSERITY  
US BORDER PATROL  
JOHN MCAIN  
YUMA COUNTY  
BILL OGRAM  
HEADSTREAM FAMILY  
MCKVEY FAMILY  
YUMA CLEAN AND BEAUTIFUL COMMISSION  
BOY SCOUTS OF AMERICA**

**YUMA ROD AND GUN CLUB  
MATTHEW SPRIGGS  
KEVIN EATHERLY  
TINA CLARK  
ALI BEICHLER  
HERB GUENTHER  
THE YARD DOGS ROAD SHOW  
KEITH SECOLA AND THE WILD JAVALINS  
THUNDERBIRD  
VLA PROJECT  
696 PROJECT  
DRIFTWOOD**

**PROJECT CONTRACTORS  
FRED PHILLIPS CONSULTING, LLC (LEAD CONSULTANT)  
PG&E CONSTRUCTION  
TAYLORBIRD ENTERPRISES  
STEVENS ECOLOGICAL CONSULTING  
SHEPPARD WESNITZER ENGINEERING  
NATURAL CHANNEL DESIGN  
E JOE HUDSON CONSULTING  
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SOUTHWEST RECYCLING  
SOUTHWEST RECYCLING  
DOWNRIVER PRODUCTIONS  
WATER TECH AG SUPPLY  
EL PATO NURSERY**