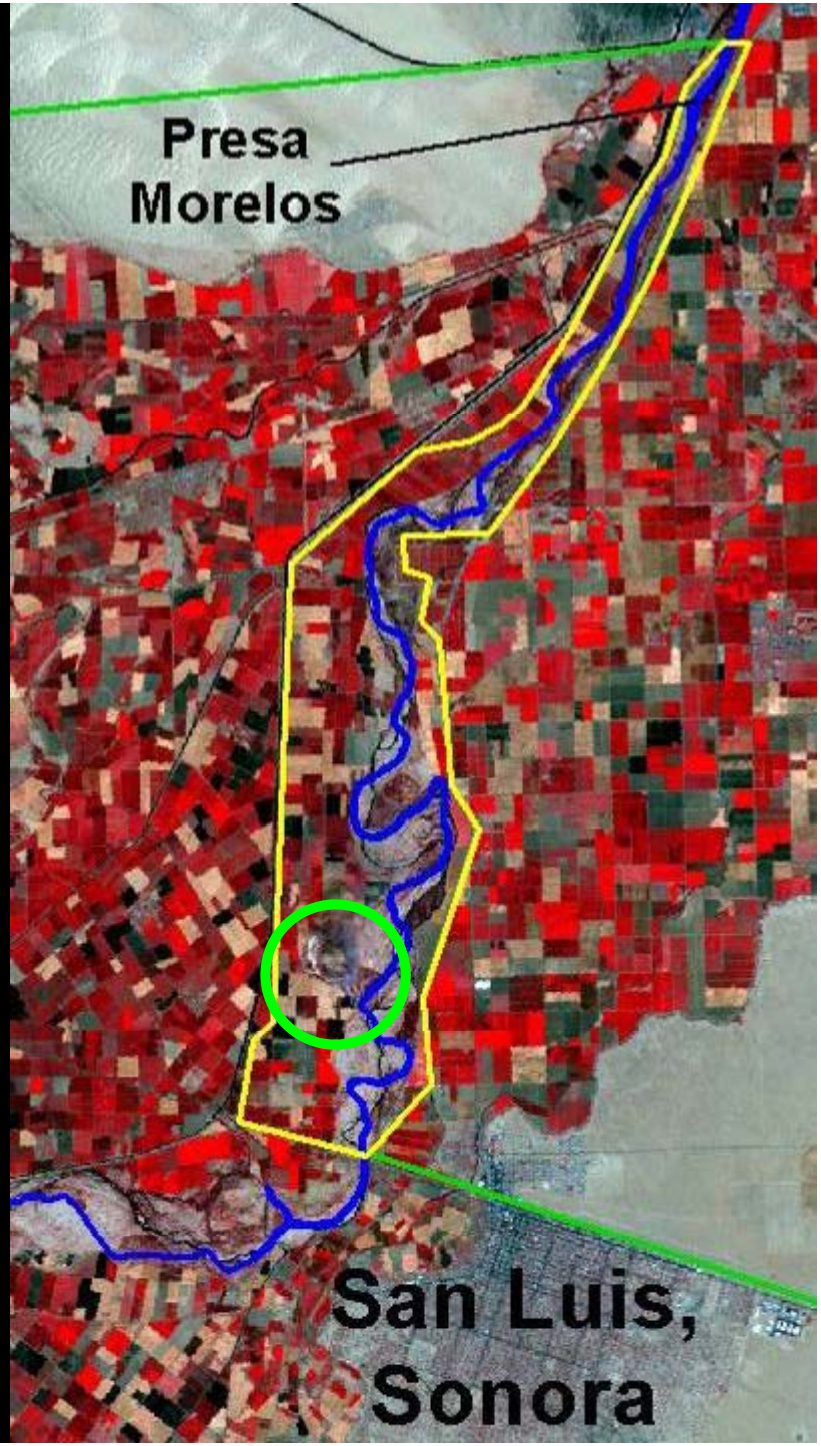
Binational Pilot Project
Miguel Alemán



Selection Criteria

- Proposed by US delegation
- Consistent with MSCP
- Cottonwood-willow and mesquite
- 25-50 acres
- River floodplain

Criteria

- Physical viability: soils, topography, water, salinity and vegetation
- Land tenure (30 year concession)
- Access to surface water
- Social considerations
- Synergies

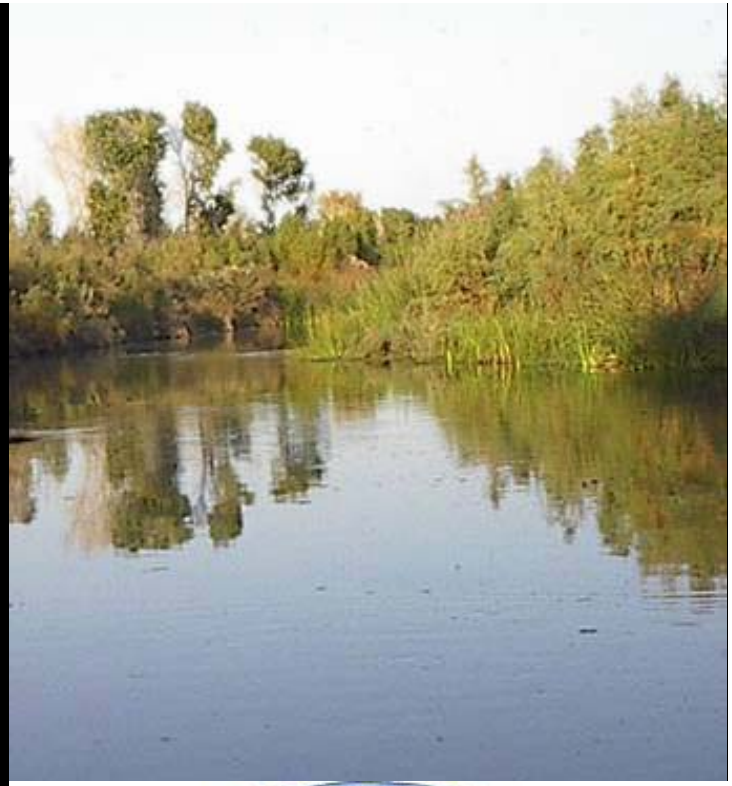
California
Mexicali
Limitrophe Zone
Yuma Arizona
Miguel Alemán
Mexicali Valley, Baja California
San Luis Rio Colorado Sonora
Hardy River
El Chauce
Laguna Grande
Laguna del Indio
Cienega de Santa Clara
Estuarine Zone
Upper Gulf of California and Colorado River Delta Biosphere Reserve

Miguel Alemán

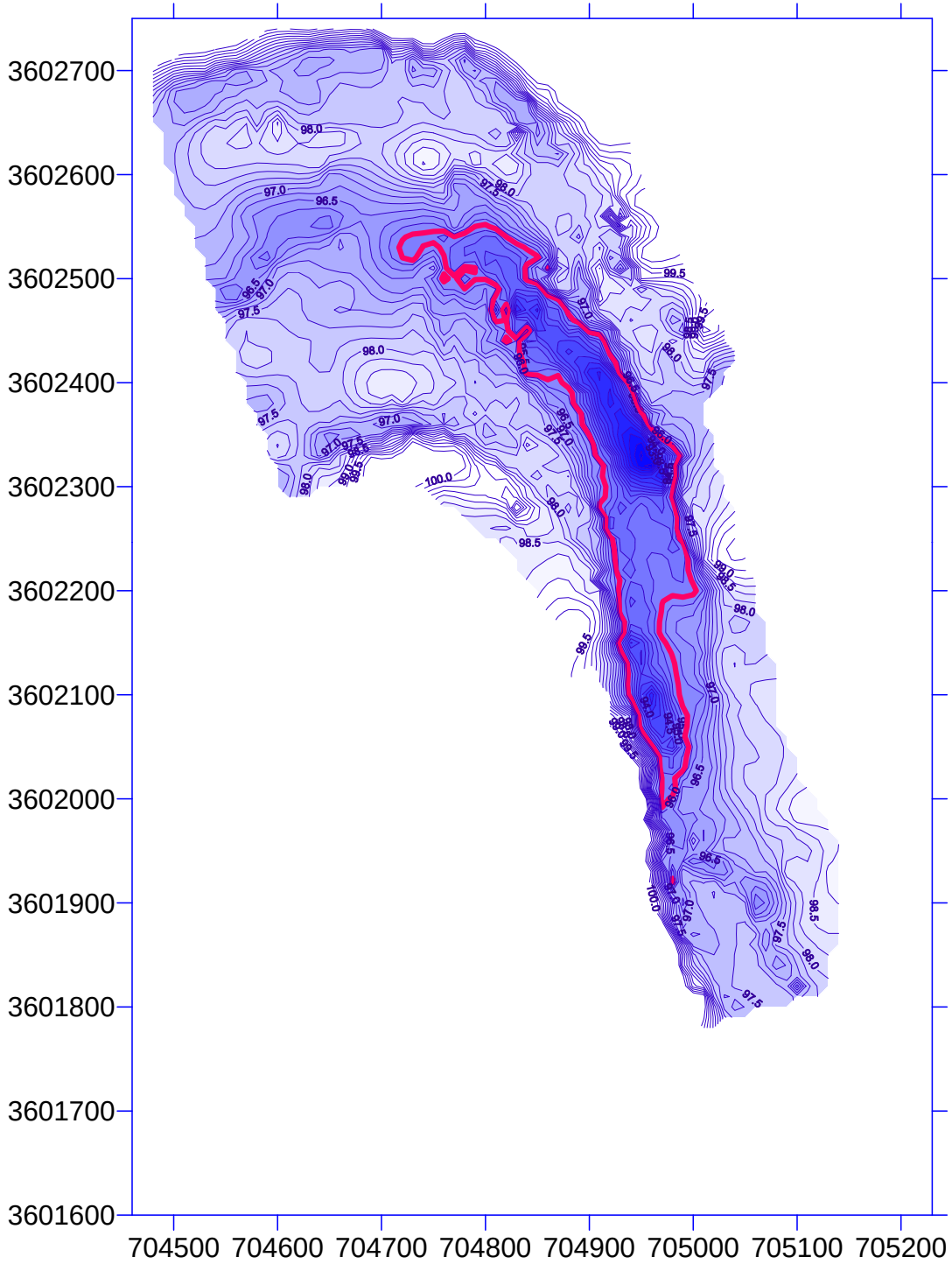
Limitrophe Zone in Baja California

Binational Restoration Initiative with Hunter’s Hole en Arizona

Water rights and restoration concept



186
Pesa
Morelos
Yuma, AZ
16
N County 16th St
S Ave I
Solicitud de
Concesión
95
Puente Carretera
SLRC-Mexicali
San Luis
Río Colorado, SON


3602700
3602600
3602500
3602400
3602300
3602200
3602100
3602000
3601900
3601800
3601700
3601600
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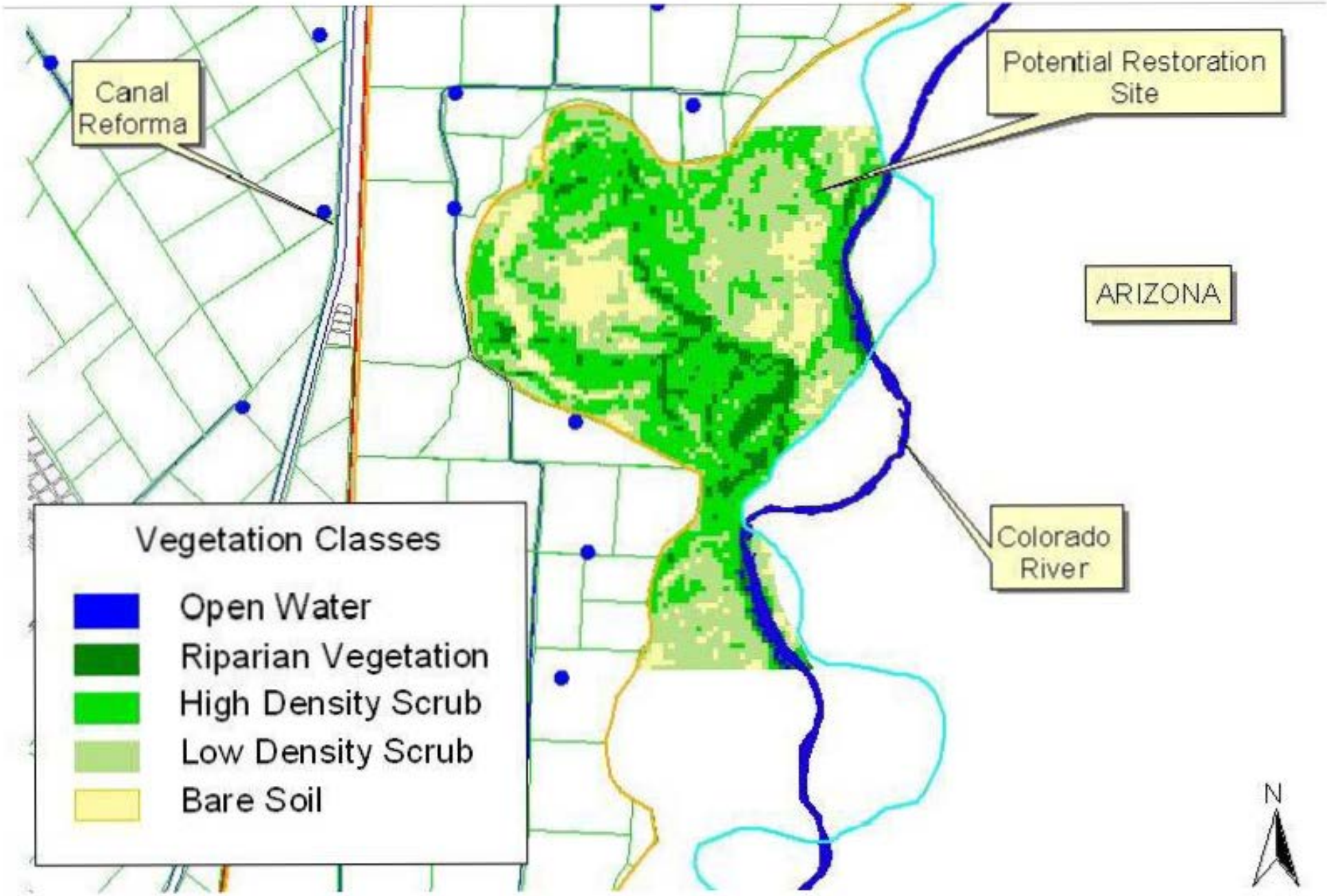
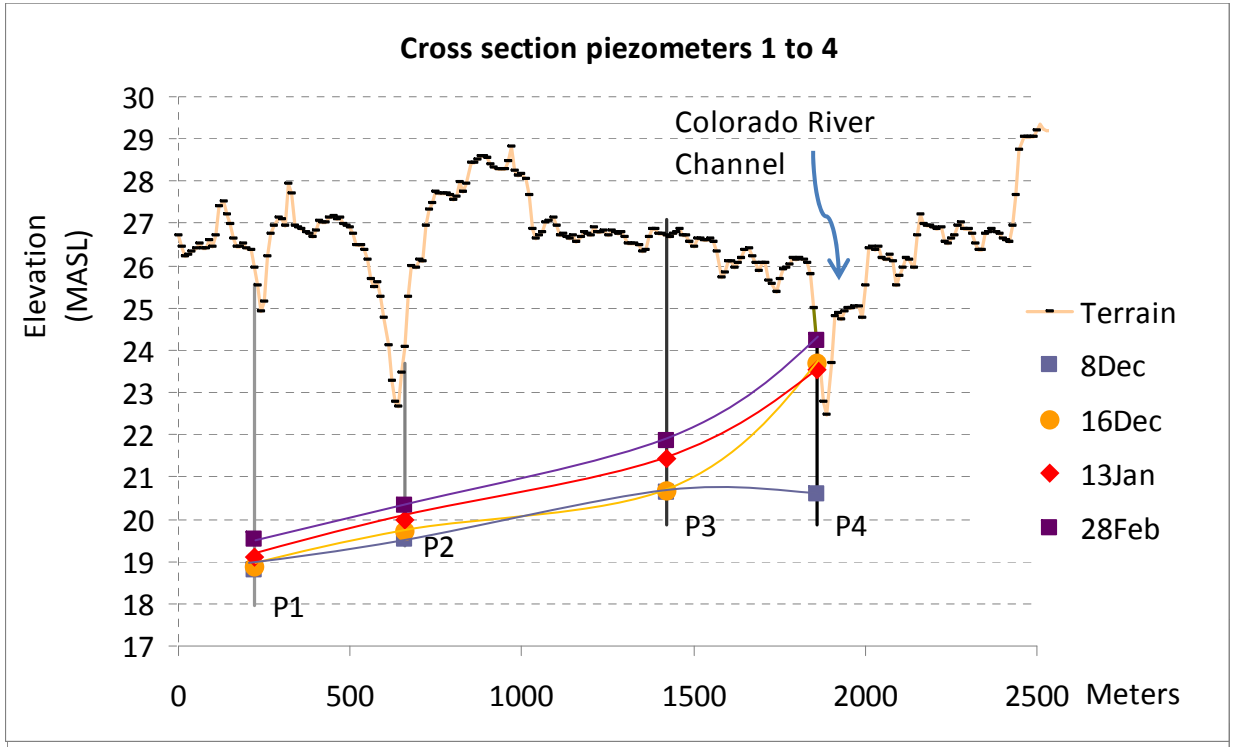
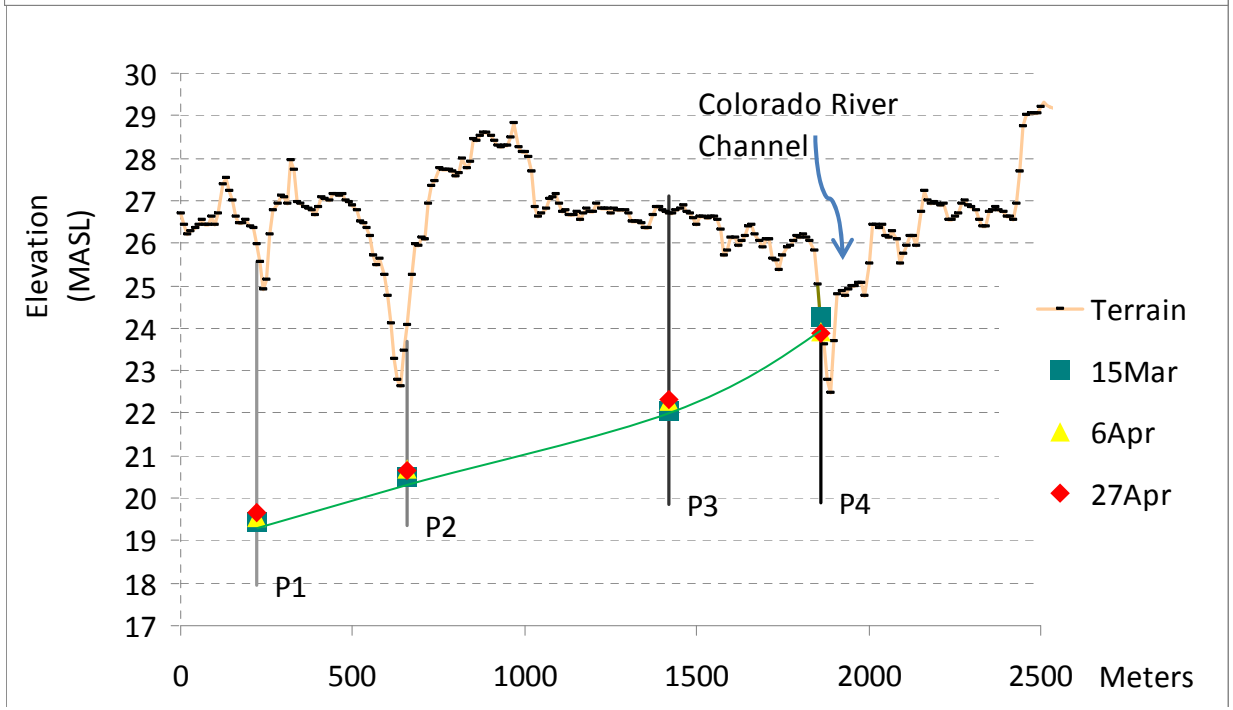
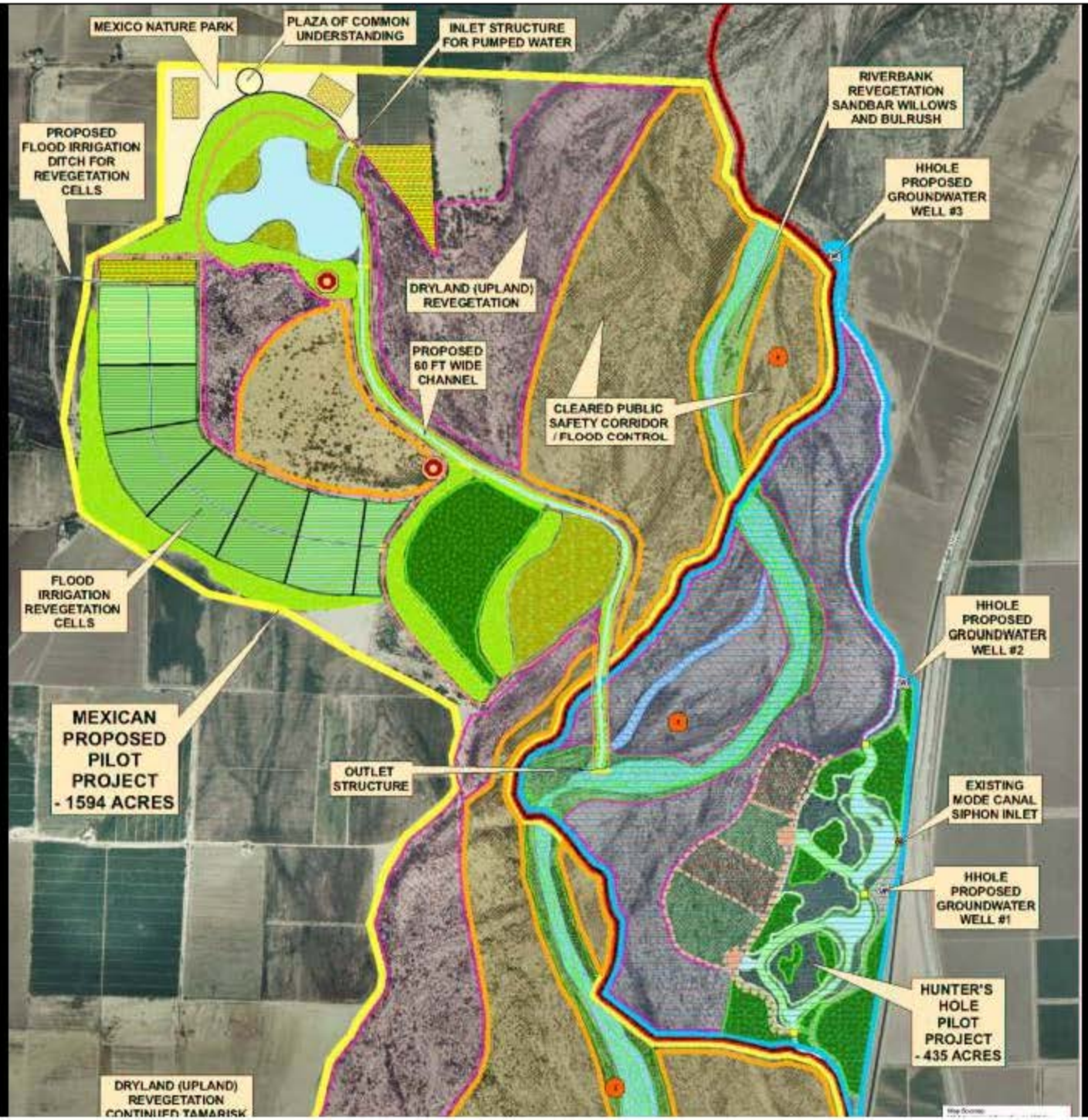
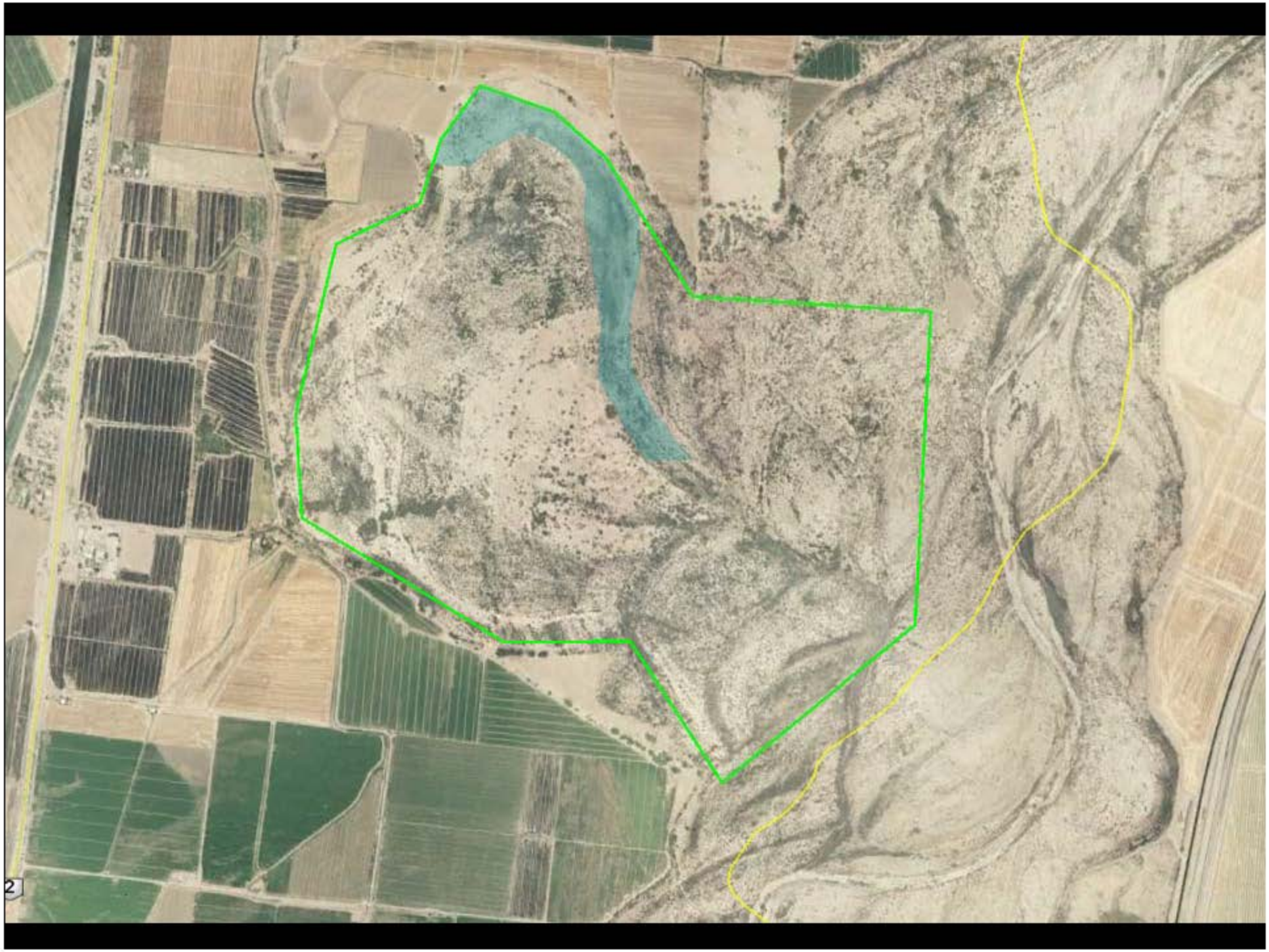
704900
705000
705100
705200


Canal Reforma
Potential Restoration Site
ARIZONA
Colorado River
Vegetation Classes
Open Water
Riparian Vegetation
High Density Scrub
Low Density Scrub
Bare Soil
N


Cross section piezometers 1 to 4
Elevation (MASL)
30
29
28
27
26
25
24
23
22
21
20
19
18
17
0
500
1000
1500
2000
2500
Meters
Colorado River Channel
P1
P2
P3
P4
Terrain
8Dec
16Dec
13Jan
28Feb


Elevation (MASL)
30
29
28
27
26
25
24
23
22
21
20
19
18
17
0
500
1000
1500
2000
2500
Meters
Colorado River Channel
P1
P2
P3
P4
Terrain
15Mar
6Apr
27Apr


MEXICO NATURE PARK
PLAZA OF COMMON UNDERSTANDING
INLET STRUCTURE FOR PUMPED WATER
RIVERBANK REVEGETATION SANDBAR WILLOWS AND BULRUSH
PROPOSED FLOOD IRRIGATION DITCH FOR REVEGETATION CELLS
HHOLE PROPOSED GROUNDWATER WELL #3
DRYLAND (UPLAND) REVEGETATION
PROPOSED 60 FT WIDE CHANNEL
CLEARED PUBLIC SAFETY CORRIDOR / FLOOD CONTROL
FLOOD IRRIGATION REVEGETATION CELLS
HHOLE PROPOSED GROUNDWATER WELL #2
MEXICAN PROPOSED PILOT PROJECT - 1594 ACRES
OUTLET STRUCTURE
EXISTING MODE CANAL SIPHON INLET
HHOLE PROPOSED GROUNDWATER WELL #1
HUNTER'S HOLE PILOT PROJECT - 435 ACRES
DRYLAND (UPLAND) REVEGETATION CONTINUED TAMARISK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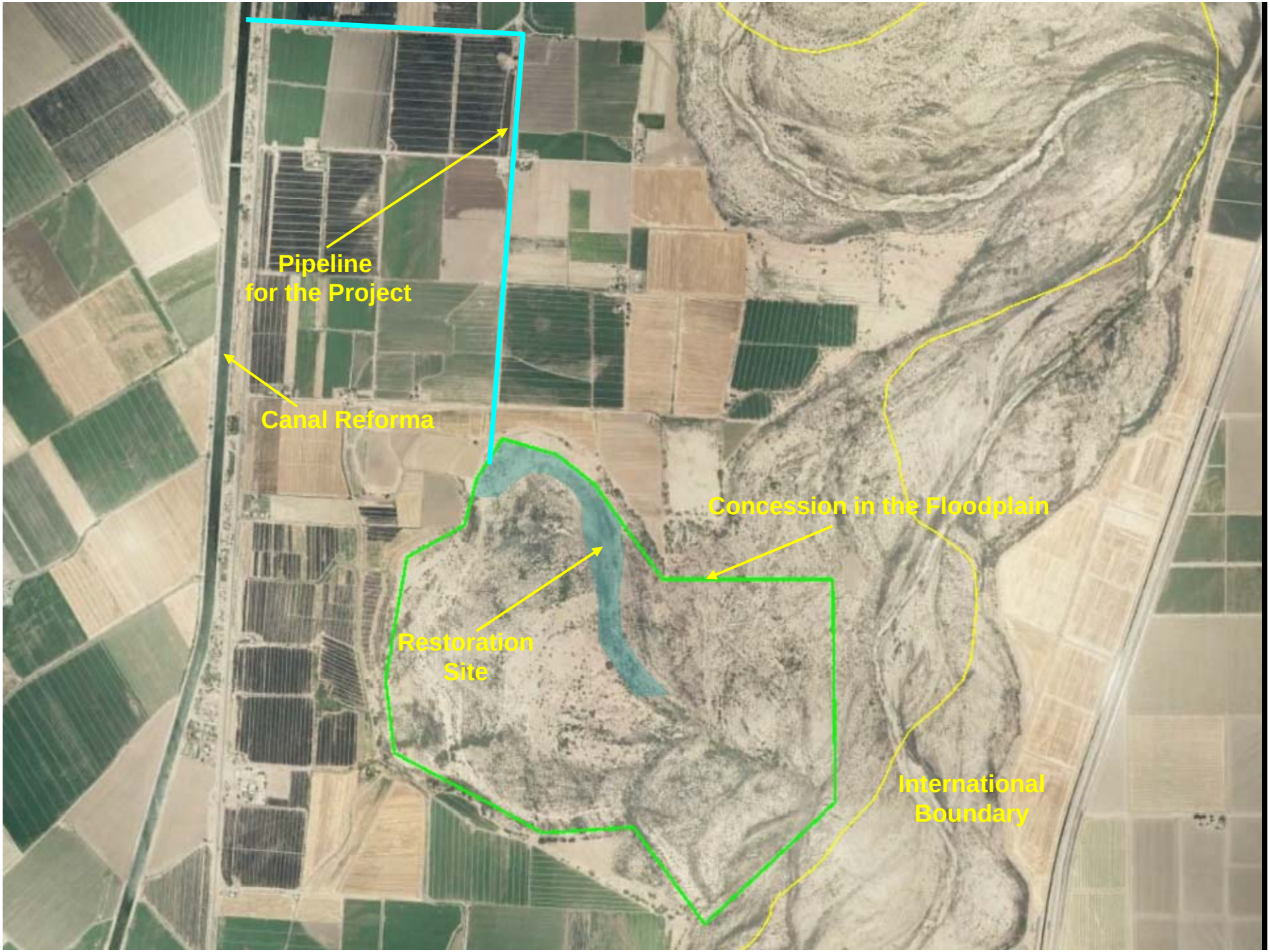

Pipeline
for the Project
Canal Reforma
Concession in the Floodplain
Restoration
Site
International
Boundary

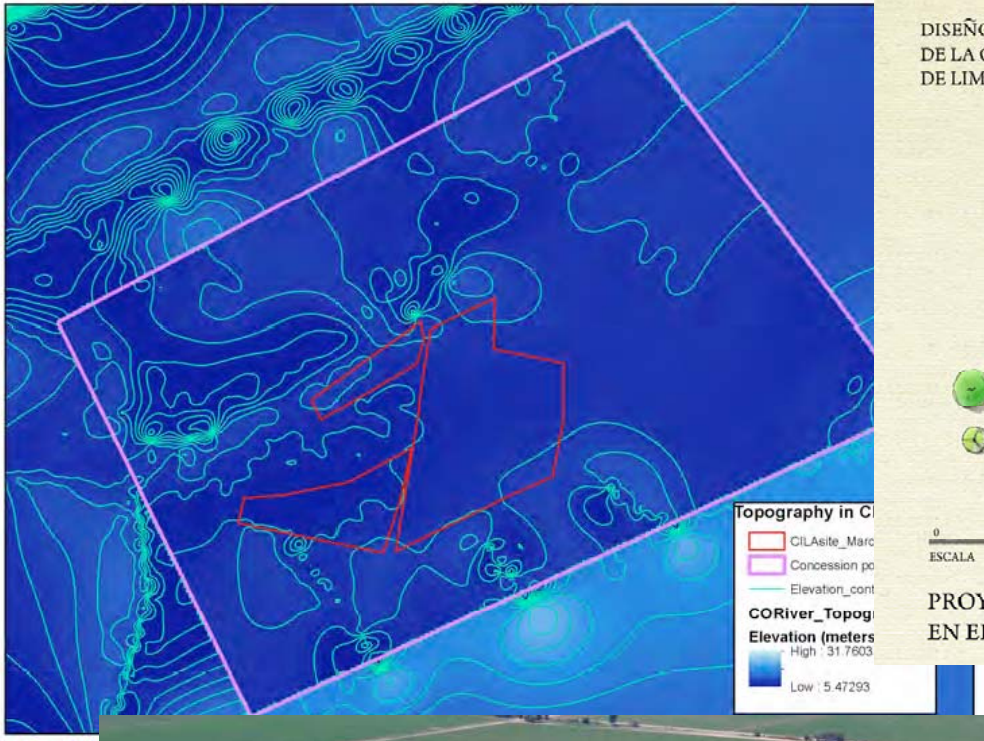
SONORAN INSTITUTE

GSA GeoSystems Analysis, Inc.
Innovations in Hydrology

BORRADOR ABRIL, 2011

Sitio A: se plantaran 8 acres con alamos y sauces
A

3.1 acres
22.4 acres
7.7 acres


Topography in C
CILAsite_Marc
Concession po
Elevation_cont
CORiver_Topog
Elevation (meters
High : 31.7603
Low : 5.47293

DISEÑO PROPUESTO PARA EL PROYECTO
DE LA COMISION INTERNACIONAL
DE LIMITES Y AGUAS. (CILA)
CANAL DE RIEGO
GOODDING'S WILLOW
COMBINACION
FREMONT COTTONWOOD
FREMONT COTTONWOOD
GOODDING'S WILLOW
0
50 METROS
ESCALA
PROYECTO DE RESTAURACIÓN DE HABITAT RIPARIO
EN EL RÍO COLORADO EN MEXICO. Convenio CILA-PRONATURA-2010.
SONORAN INSTITUTE
GSA GeoSystems Analysis, Inc.
Innovations in Hydrology
BORRADOR ABRIL 2011
pro natura

PROYECTO DE RESTAURACIÓN
DE HABITAT RIPARIO EN EL RIO
COLORADO EN MEXICO.
Convenio CILA-PRONATURA-2010.
DISEÑO CONCEPTUAL DE RESTAURACIÓN

Next Steps

- Finalize design and budget, considering 50% cottonwood and willows and 50% mesquite

- Finalize schedule of Binational Process to complete the agreements for implementation

- Continue process of production of trees

- Construct hydraulic infrastructure