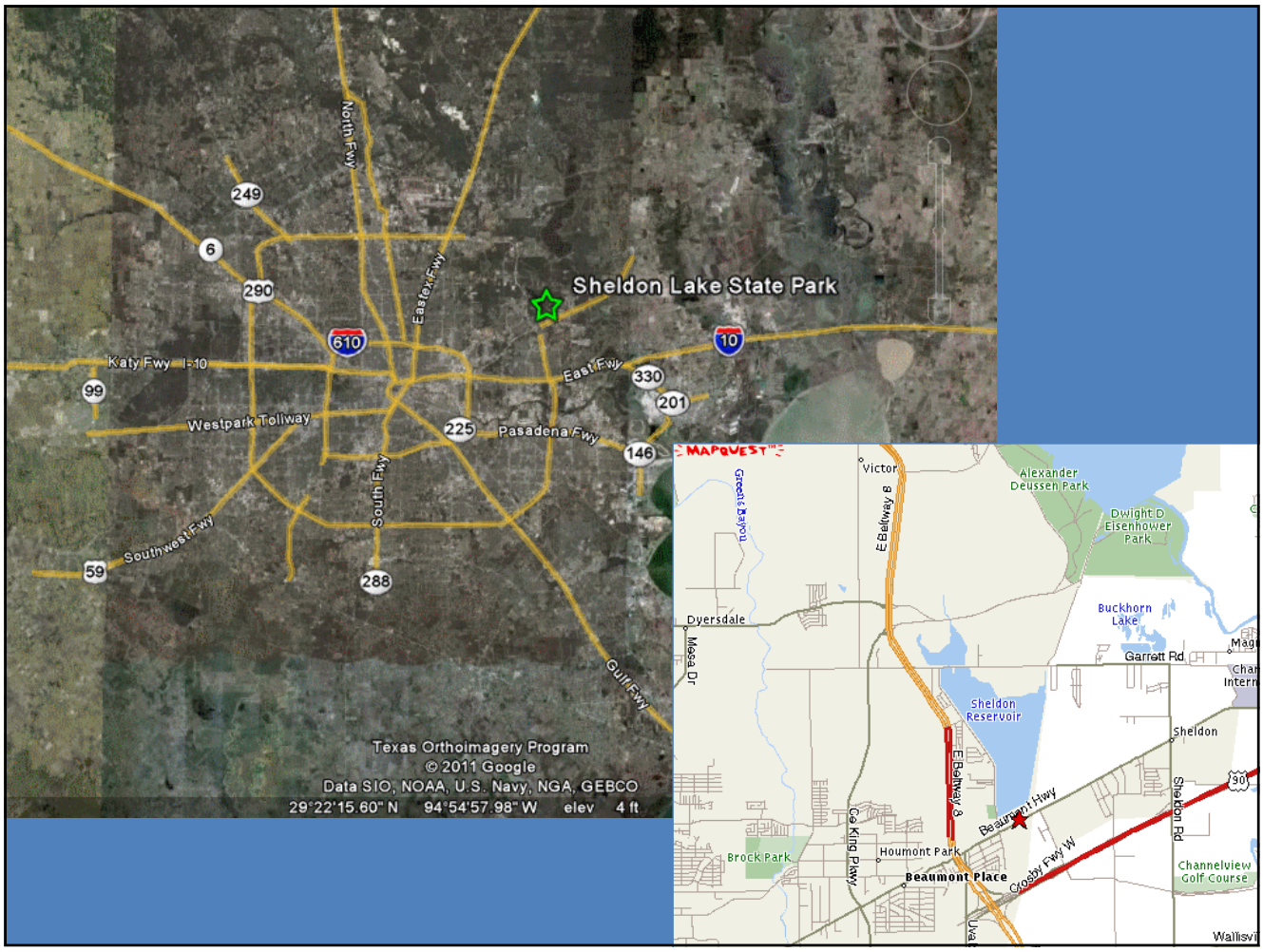
Coastal Prairie Wetland Restoration
Sheldon Lake State Park

Partially funded by US EPA CWA 319(h) grant through the TSSWCB.


Sheldon Lake State Park
North Fwy
Eastex Fwy
249
6
290
610
10
Katy Fwy
I-10
99
East Fwy
330
201
Westpark Tollway
225
Pasadena Fwy
146
South Fwy
Southwest Fwy
59
288
Gulf Fwy
Texas Orthoimagery Program
© 2011 Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
29°22'15.60" N 94°54'57.98" W elev 4 ft
MAPQUEST
Victor
Alexander Deussen Park
Dwight D Eisenhower Park
Buckhorn Lake
Dyersdale
Mesa Dr
Garrett Rd
Sheldon Reservoir
Sheldon
E Beltway 8
Beaumont Hwy
Sheldon Rd
90
Ce King Pkwy
Houmont Park
Brock Park
Beaumont Place
Crosby Fwy W
Channelview Golf Course

Historical perspective
1944
90
© 2011 Europa Technologies
Image Texas General Land Office
© 2011 Google
Google

1978
90
© 2011 Europa Technologies
Image Texas General Land Office
© 2011 Google
Google

1989
90
© 2011 Europa Technologies

2002
90

2004
90
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Image U.S. Geological Survey
Google

Significant change for Houston…

From 1950's onward, Southeast Texas went from farms and fish and wildlife habitat to highly developed farms and cities with subsequent loss of native flora and fauna

Leading to our current significant interest in restoring natural areas

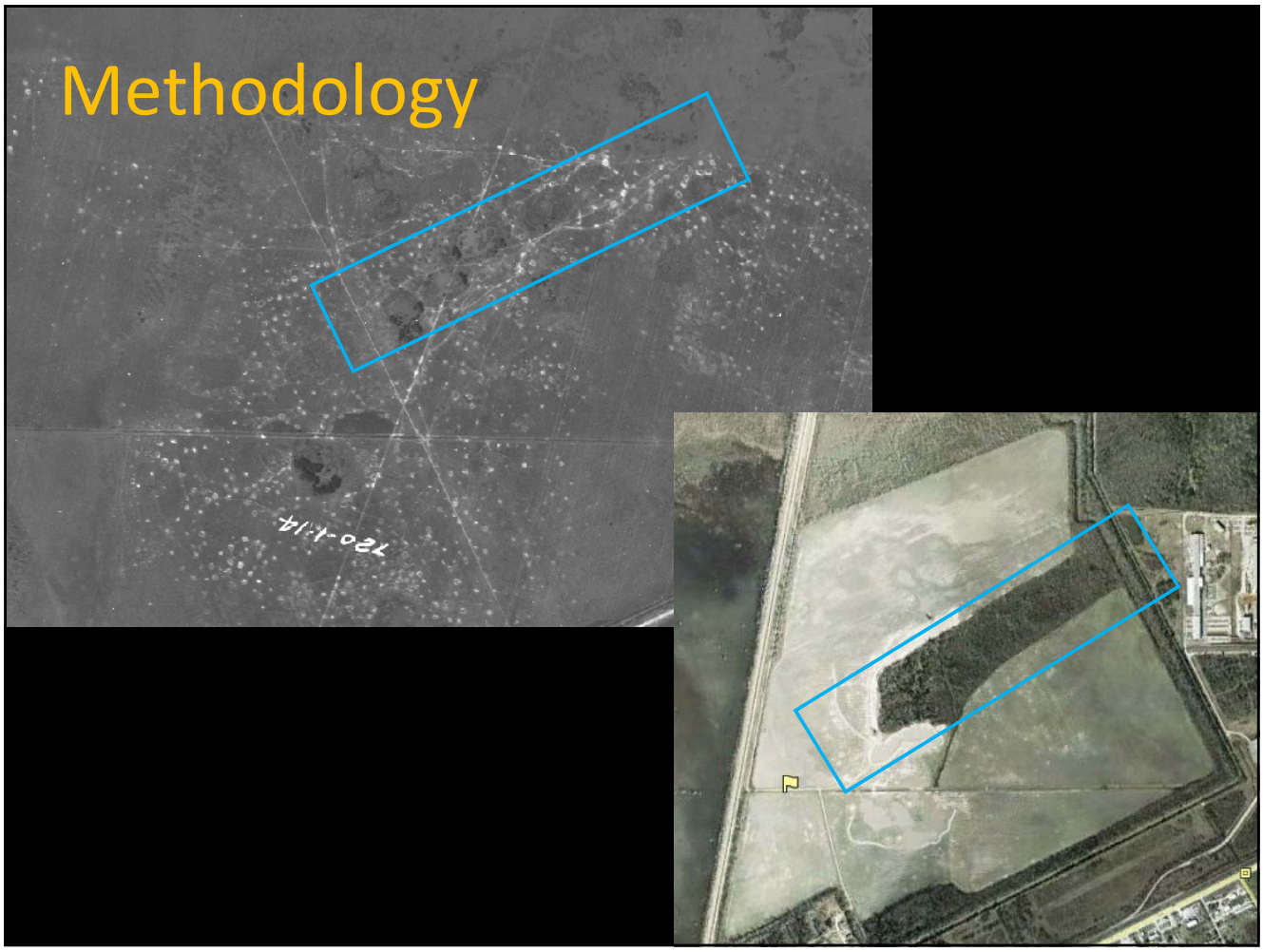
Significant change for Sheldon…

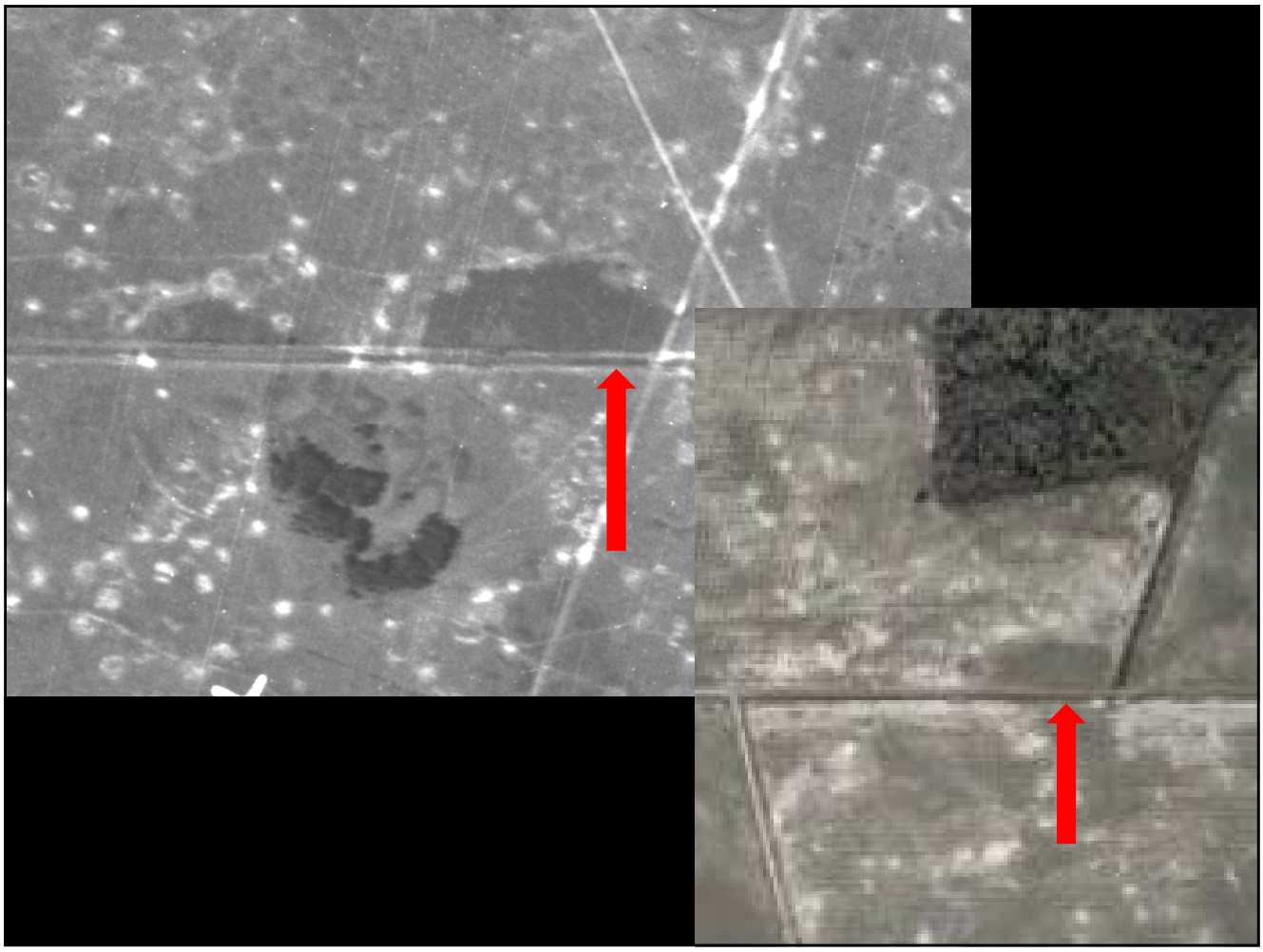
In 1984, Sheldon went from being a Wildlife Management Area (WMA) to a State Park with a *new mission*

…to restore pre-european flora and fauna

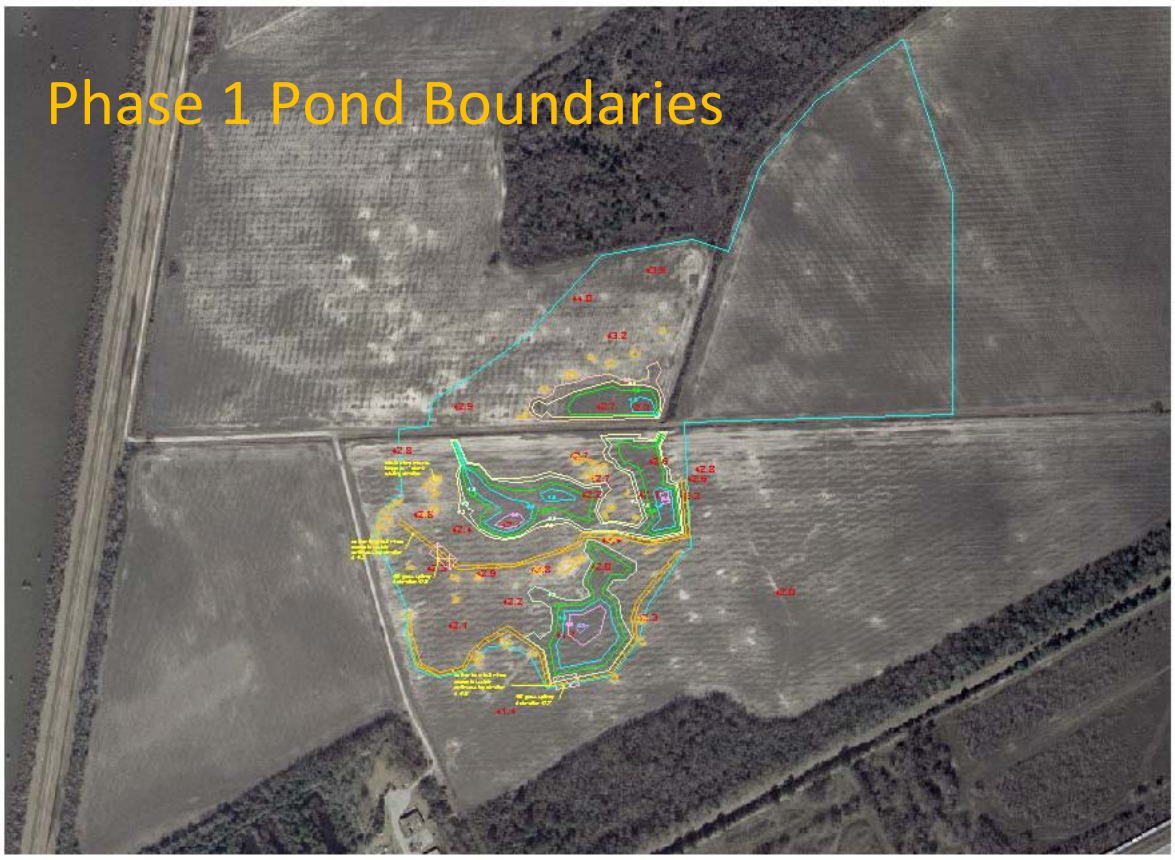
…to restore an authetic Texas landscape

Methodology



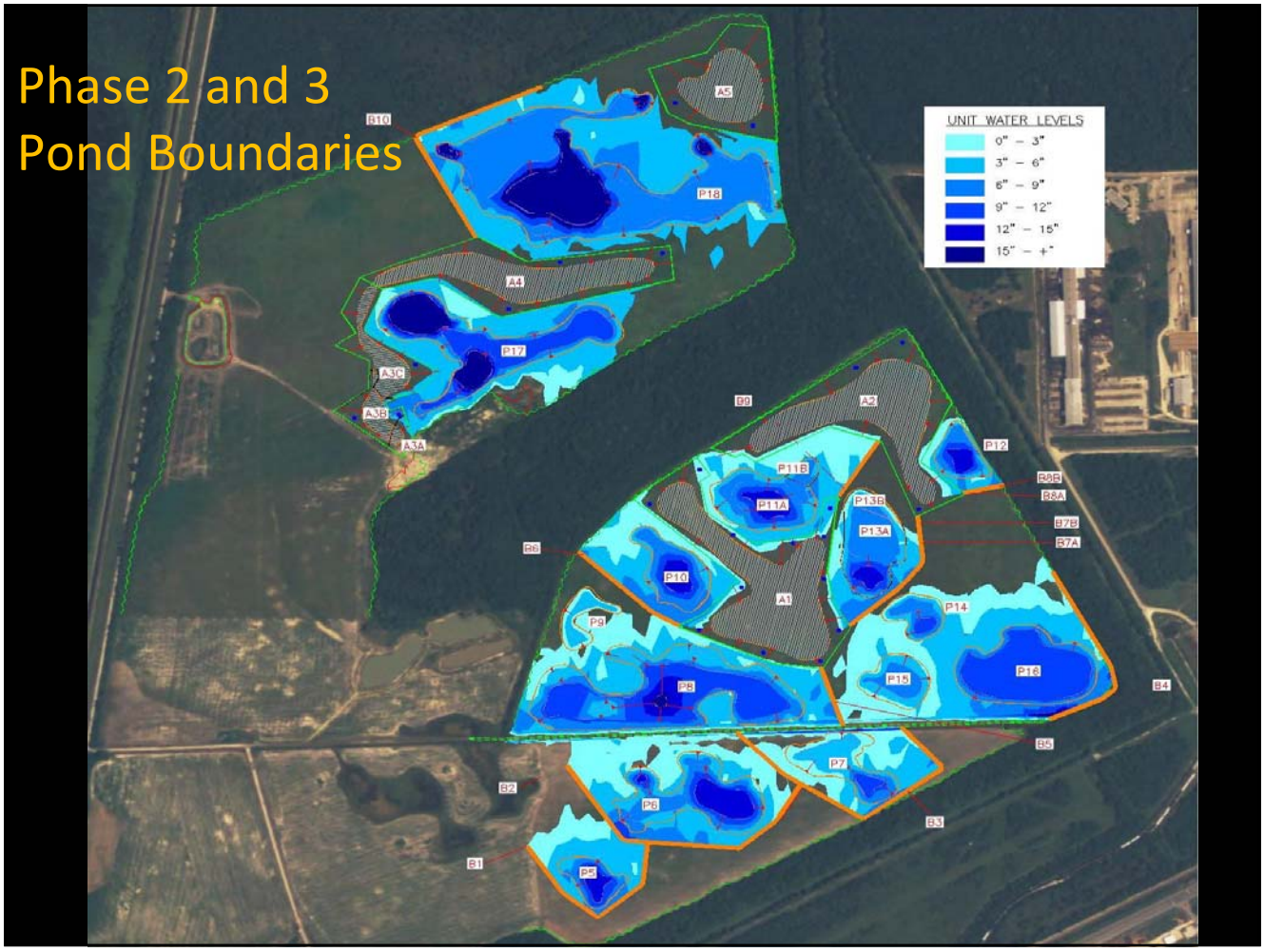


Phase 1 Pond Boundaries



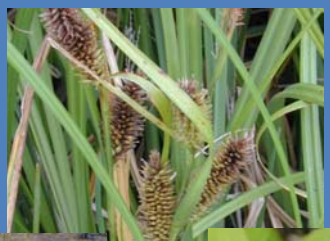
1000 0 1000 2000 Feet

Phase 2 and 3 Pond Boundaries



Plant Diversity is important to the system as a whole

- 45 species of freshwater wetland plants
- Collected within 4 county region (50 mile radius)

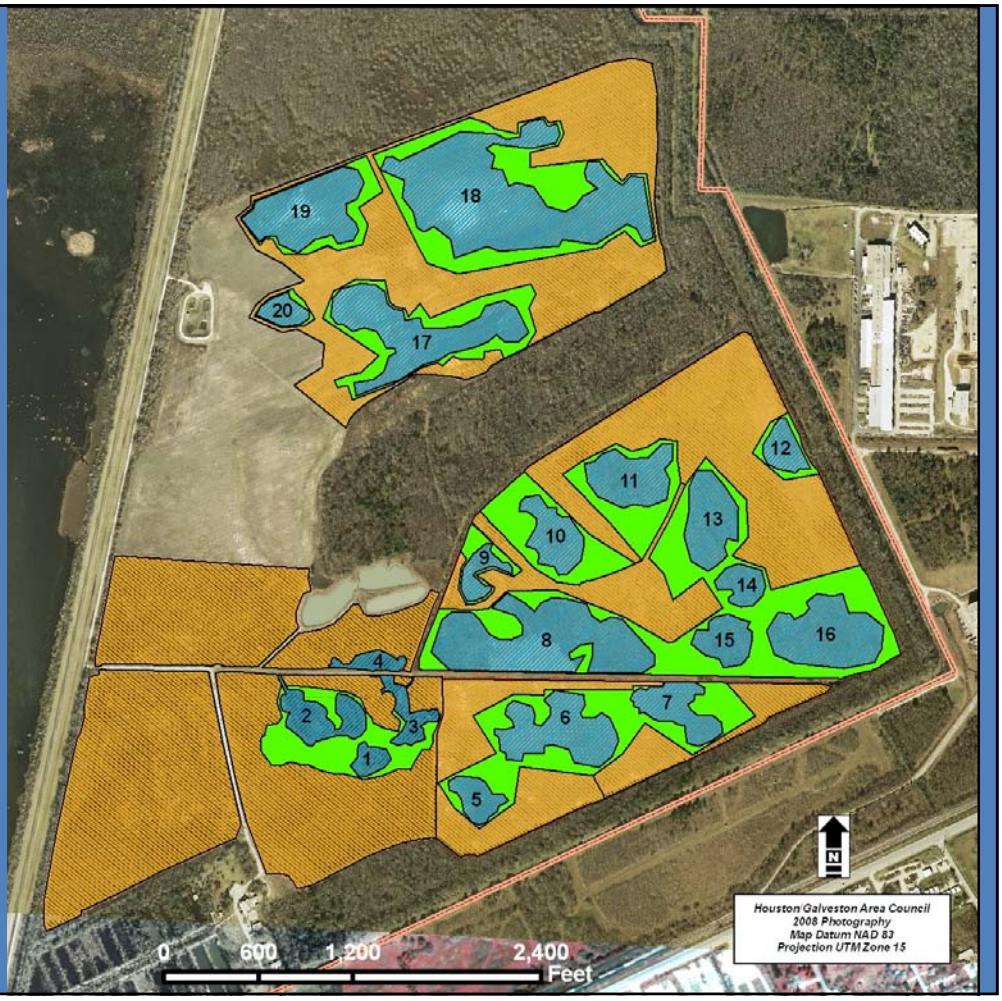


THE DETAILS…

Phase 1 (Ponds 1 – 4) = 10 acres; Started November 2003; Completed Spring 2005

Phase 2 (Ponds 5-16) = 78 acres; Started November 2009; In progress

Phase 3 (Ponds 17-20) = 48 acres; Starting Spring 2011

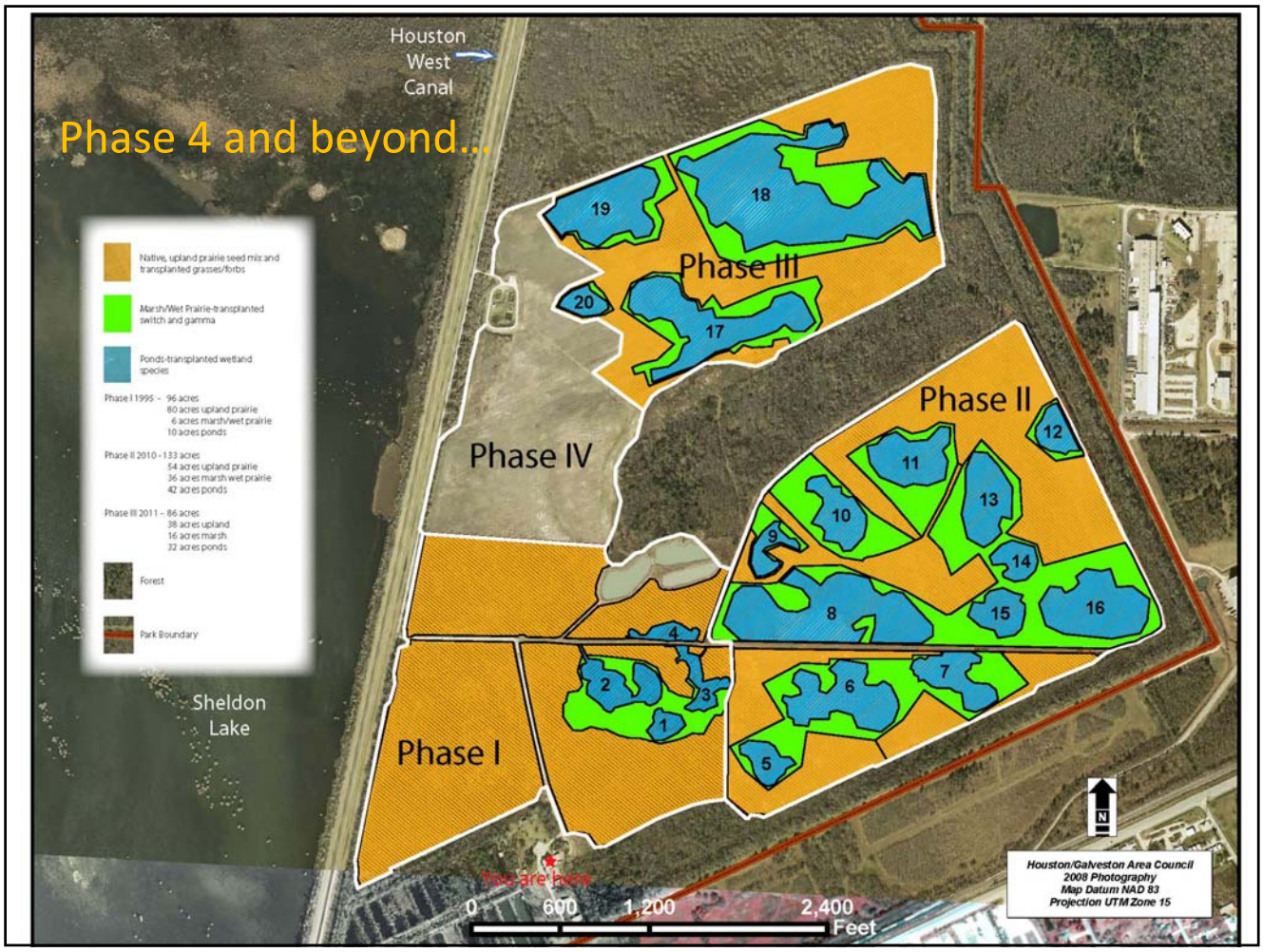


WETLAND
RESTORATION
T·E·A·M
A PARTNERSHIP OF
Texas Coastal Watershed Program
& Texas Master Naturalist Program

TEXAS COASTAL WATERSHED
P R O G R A M

Texas Master Naturalist

Reached first goal of 55,600 plants February 23, 2011


Phase 4 and beyond…
Houston West Canal
Native, upland prairie seed mix and transplanted grasses/forbs
Marsh/Wet Prairie-transplanted switch and gamma
Ponds-transplanted wetland species
Phase I 1995 - 96 acres
80 acres upland prairie
6 acres marsh/wet prairie
10 acres ponds
Phase II 2010 - 133 acres
54 acres upland prairie
36 acres marsh wet prairie
42 acres ponds
Phase III 2011 – 86 acres
38 acres upland
16 acres marsh
32 acres ponds
Forest
Park Boundary
Sheldon Lake
Phase I
Phase II
Phase III
Phase IV
You are here
0 600 1,200 2,400 Feet
N
Houston/Galveston Area Council
2008 Photography
Map Datum NAD 83
Projection UTM Zone 15

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