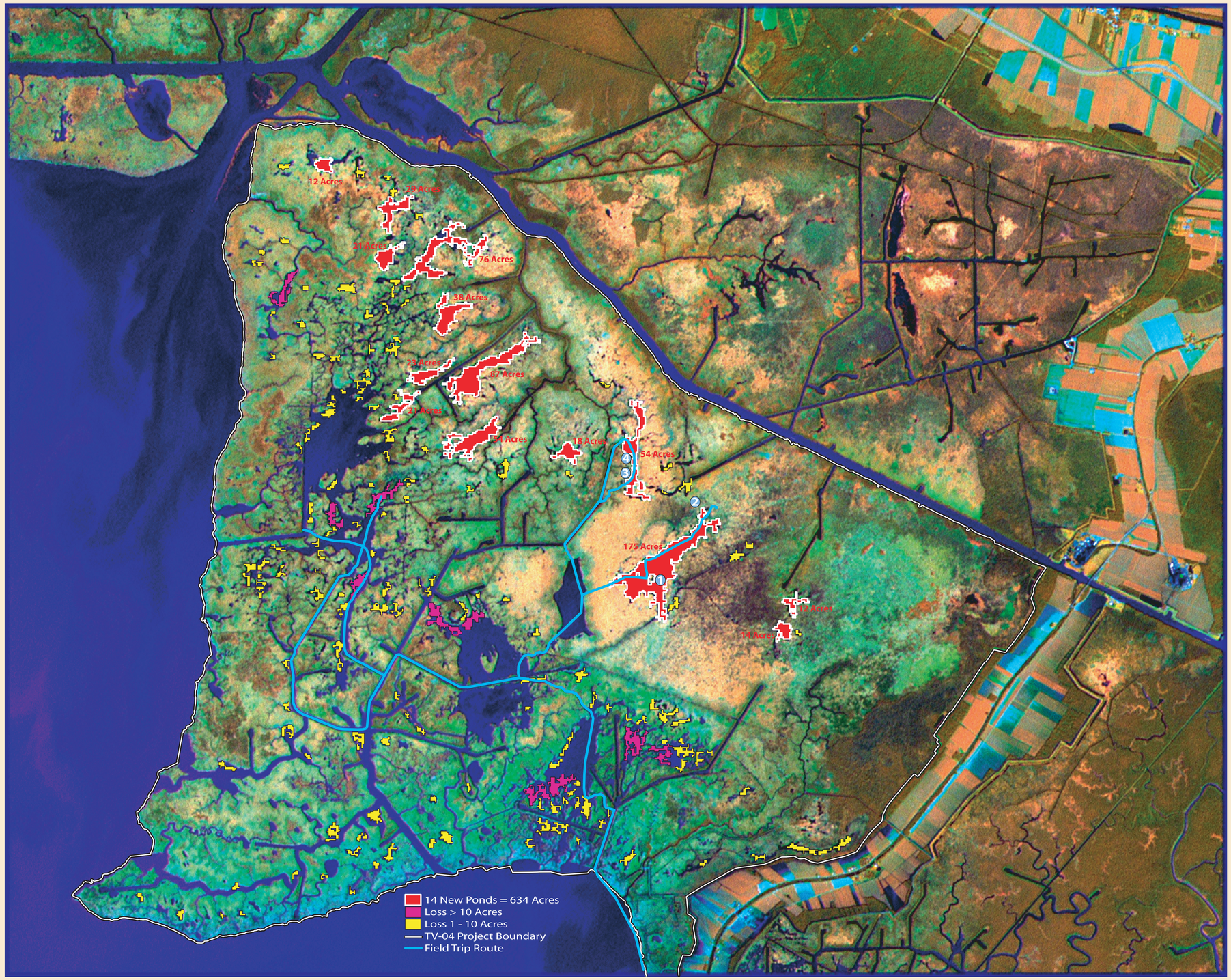
Changes to Cote Blanche Hydrologic Restoration (TV-04) Area After Hurricane Lili



November 18, 2002
Cote Blanche Field Trip Photos

1

Acquiring Global Positioning System coordinates on marsh "island" in the middle of the new 175-acre pond. The island consists of ripped up, 0.5 m thick marsh mats resting on the old marsh surface. Pond depths ranged from 0.5 to 1.3 m. Photo taken facing the northeast.

2

Marsh mat and marsh "ball" debris field at extreme northern tip of the 175- acre pond. The debris field extends to the spoil bank 400 meters in the distance. Photo taken facing north.

3

One-meter marsh mat resting on western shore of a 54 -acre pond. Photo taken facing west.

4

Folded marsh mat resting on western shore of a 54-acre pond. Photo taken facing west.

Photos taken on a joint USGS and Louisiana Department of Natural Resources field trip to verify posthurricane damage.

Data Analysis and Map Creation:
U.S. Department of the Interior, U.S. Geological Survey, National Wetlands Research Center
Coastal Restoration Field Station, Baton Rouge, LA

Image Backdrop: Landsat Thematic Mapper Satellite Imagery multi-spectral + panchromatic band merge acquired 10/16/2002
Loss Data: Created by comparing 2/2/2002 Landsat Image to the 10/16/02 Landsat Image.
- Loss data may identify new ponds caused by hurricane damage as well as areas of aquatic vegetation that have been cleared from existing ponds.
- Hurricane Lili made landfall 25 miles to the west of this area on 10/3/2002.
- Loss acreage estimates are based on comparison of intermediate resolution satellite imagery and provide an initial estimate of hurricane impacts on the Cote Blanche area. Ground investigations are needed to verify the satellite assessments.

Map ID USGS-NWRC 2003-11-112

Map Date 1/30/2003

N

-1 .5 0 1 2 3 4 5 Kilometers

0 1 2 3 4 5 Miles

1:24,0000

After Hurricane Lili Loss = 1,739 Acres

Before Hurricane Lili TV-04 Area (acres)

Land	28,400
Water	2,728
	31,128

After Hurricane Lili TV-04 Area (acres)

Land	26,662
Water	4,466
	31,128

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