



**US Army Corps
of Engineers**

Vicksburg District
4155 Clay Street
Vicksburg, MS 39183-3435
www.mvk.usace.army.mil



Public Notice

APPLICATION NO.:	RVH-MVK-2013-746
EVALUATOR:	Mr. Randy Holder
PHONE NO.:	(601) 631-5588
FAX NO.:	(601) 631-5459
E-MAIL:	Randy.V.Holder@usace.army.mil
DATE:	June 20, 2014
EXPIRATION DATE:	July 10, 2014

Interested parties are hereby notified that the U.S. Army Corps of Engineers, Vicksburg District, is considering a proposal to establish the Coldwater Creek Mitigation Bank (CWCMB). A prospectus has been received describing the proposed bank from Envirohunt, LLC, the bank Sponsor. The proposed site is located in sections 8, 16, and 17, Township 2 South and Range 4 West, Marshall County, Mississippi (enclosure).

Description: This wetland and stream mitigation bank is being proposed by the bank Sponsor as a means to meet the requirements for compensatory mitigation for future and as yet unknown wetland losses, which may be permitted by the Corps under the authority of Section 404 of the Clean Water Act.

The bank sponsor proposes to develop a 274-acre wetland and stream mitigation bank by restoring 21 acres of bottomland hardwood forest, enhancing 94 acres of bottomland hardwood wetlands, preserving 113 acres of existing bottomland hardwood wetlands, enhancing 29 acres of stream buffer, and preserving 14 acres of stream buffer.

Baseline Conditions / Current Land Use / Proposed Actions:

Approximately 111 acres of the site was previously used for row crop production, 139 acres are in existing timber, 21 acres is currently being utilized as waterfowl impoundments and the remaining 3 acres are in roads and right of ways. The current land owners abandoned row crop production due to inaccessibility due to flooding and wildlife depredation.

The bank is mapped with nine primary soils types: the Calloway silt loam, 2-5% slope (CcB2), Collins-Arkabutla-Falaya association soils (CR), Falaya silt loam

(Fa), Grenada silt loam, 2-5% slope (GrB2), Gullied land-Loring complex, 5-30% slope (GvE), Henry silt loam (He), Loring silt loam, 5-8% slope (LoC3), Loring silt loam, 8-12% slope (LoD3), and Vicksburg silt loam (Va).

The proposed project site is located within the Coldwater River Watershed (HUC# 08030204), which is part of the greater Yazoo River Basin (HUC #080302) of Mississippi (Figure 2). Once restored, sources of hydrology would include rainfall, sheet flow and overbank flooding from the Coldwater River.

The predominant feature of the CWCMB would be the restoration of the bottomland hardwood wetlands that would provide a functional lift to the entire ecology of the Bank site. The restoration and protection of the bottomland hardwood wetlands is considered critical in this management process to ultimately achieve the historic state of the Bank.

Hydrological restoration within the wetland restoration polygons would entail the breaching of the levees that encompass the waterfowl impoundments. The breaches would be located at strategic locations that would help facilitate the return of the natural hydrological flow back to these areas of the Bank site. In addition, the Bank Sponsor would conduct detailed examination of the Bank site to locate any other impediments (culverts, beaver dams, roads, etc.) to natural flow. If any additional impediments are identified, appropriate measures would be taken to remove the impediments and restore natural flow.

For the wetland restoration, the Bank Sponsor is proposing to plant an appropriate species mixture of bottomland hardwood seedlings during the standard planting season of December-March. Prior to planting, the Sponsor would restore natural hydrological flow by strategically breaching the levees that surround the waterfowl impoundments that make up this polygon. After the breaches have been completed and if deemed appropriate, the restoration sites would be sprayed with an appropriate type and amount of herbicide product per acre during summer months of July-September to kill any existing vegetation and prepare the sites for a prescribed burn. Once suitable "brown-up" has occurred, the site would be burned during the time period of September – November. Following burning, and once all other necessary site prep activities have been completed, the Bank Sponsor proposes to plant the following species: overcup oak, water oak, persimmon, swamp chestnut oak, willow oak, eastern cottonwood, sycamore, bald cypress, water tupelo, cherry bark oak, and nuttall oak. Topography of the restoration sites would dictate the species to be used for planting and specific micro topography would determine individual placement.

For the row crops fields that make up the proposed wetland enhancement acreage, the Bank Sponsor is proposing to plant an appropriate species mixture of bottomland hardwood seedlings during the standard planting season of December-March. Prior to planting, the Sponsor would spray the sites with an

appropriate type and amount of herbicide product per acre during summer months of July-September to kill any existing vegetation and prepare the sites for a prescribed burn. Once suitable "brown-up" has occurred, the site would be burned during the time period of September – November. Following burning, and once all other necessary site prep activities have been completed, the Bank Sponsor proposes to plant the following species: overcup oak, water oak, persimmon, swamp chestnut oak, willow oak, eastern cottonwood, sycamore, bald cypress, water tupelo, cherry bark oak, and nuttall oak. Topography of the enhancement sites would dictate the species to be used for planting and specific micro topography would determine individual placement.

Stream buffers within the row crop areas would be planted with an appropriate species mixture of bottomland hardwood seedlings during the standard planting season of December to March. Prior to planting, the Sponsor would spray with an appropriate type and amount of herbicide product per acre during summer months of July to September to kill any existing vegetation and prepare the sites for a prescribed burn. Once suitable "brown-up" has occurred, the site would be burned during the time period of September – November. Following burning, and once all other necessary site prep activities have been completed, the Bank Sponsor proposes to plant the following species: water oak, persimmon, swamp chestnut oak, willow oak, Eastern cottonwood, sycamore, cherry bark oak, and nuttall oak. Species would be hand planted on 12' x 12' spacing yielding approximately 302 seedlings per acre. Planting by hand, rather than by mechanical means, would give the appearance of a more natural forest. Species would be planted to achieve a ratio of 60% hardmast and 40% softmast.

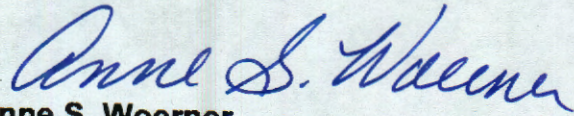
Service Area: This Mitigation Bank would be established to provide mitigation to compensate for impacts to waters of the United States, including wetlands and streams, within the Corps of Engineers, Vicksburg District. These areas are demarcated by the United States Geologic Survey as hydrologic unit code 08030204, and 08030201. Decisions authorizing the use of credits from the Mitigation Bank would be made by the appropriate authority on a case by case basis in accordance with all applicable requirements.

The prospectus, which outlines the conceptual plan for the bank, is available for review at the Vicksburg District, Corps of Engineers at the address given below.

Comments on this proposed Mitigation Bank may be provided to the Corps at the address below. Comments should be received no later than the expiration date of this public notice.

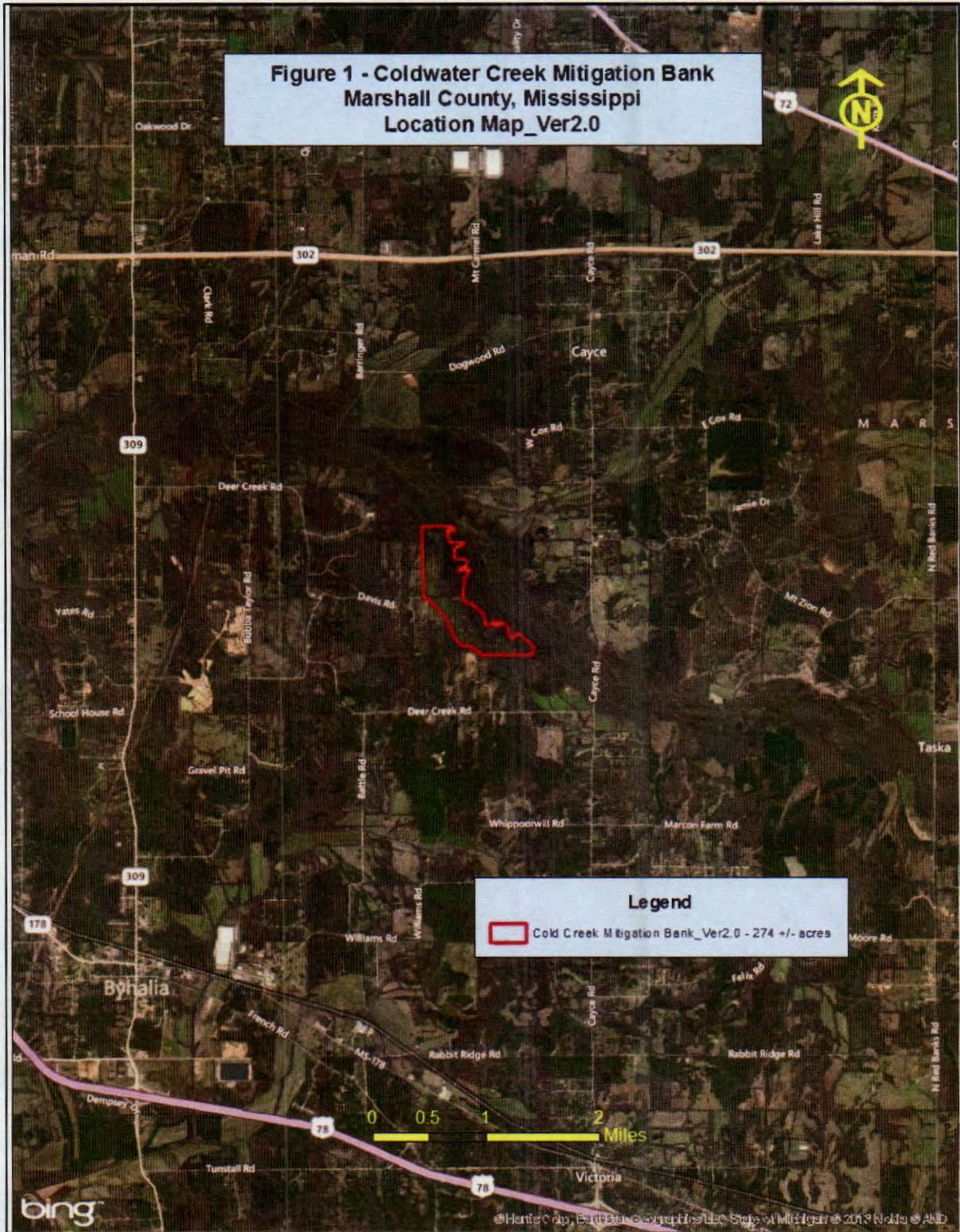
Please provide comments to:

U.S. Army Corps of Engineers
Vicksburg District
ATTN: CEMVK-OD-F
4155 Clay Street
Vicksburg, Mississippi 39183-3485



Anne S. Woerner
Chief, Evaluation Section
Regulatory Branch

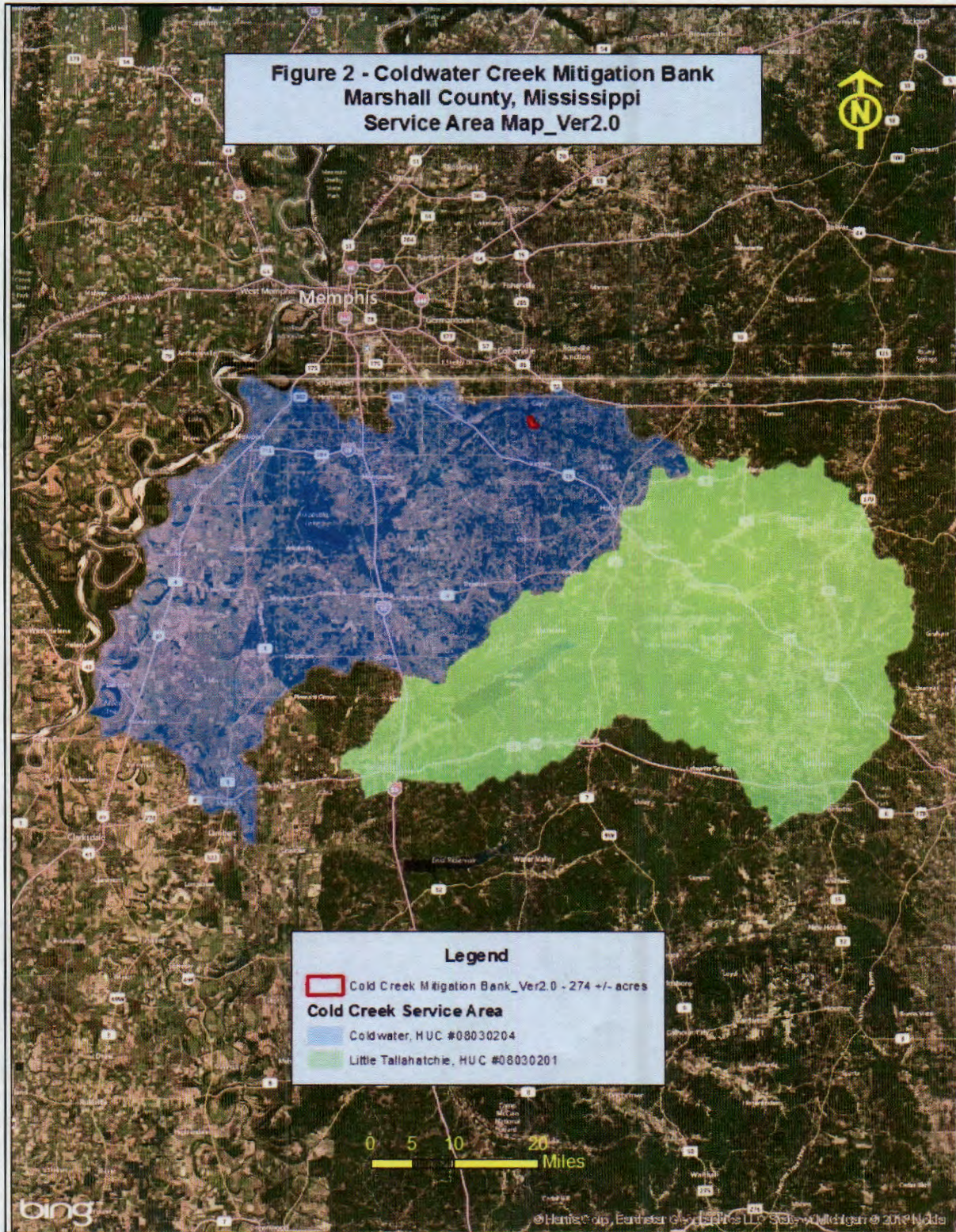
Coldwater Creek Mitigation Bank Draft Mitigation Bank Prospectus



CEMVK-OD-FE RVH-MVK-2013-746

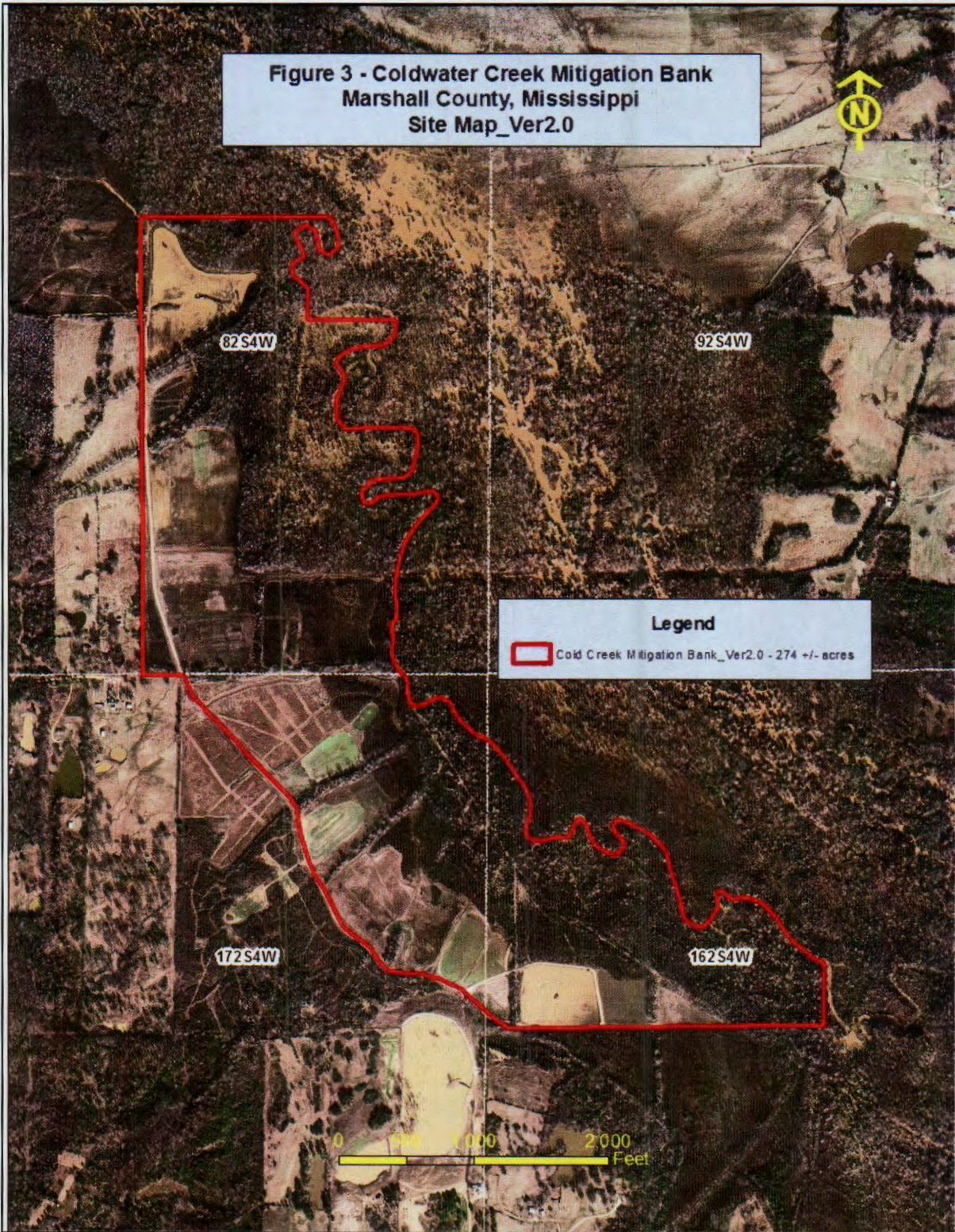
COLDWATER CREEK MITIGATION BANK

Coldwater Creek Mitigation Bank Draft Mitigation Bank Prospectus



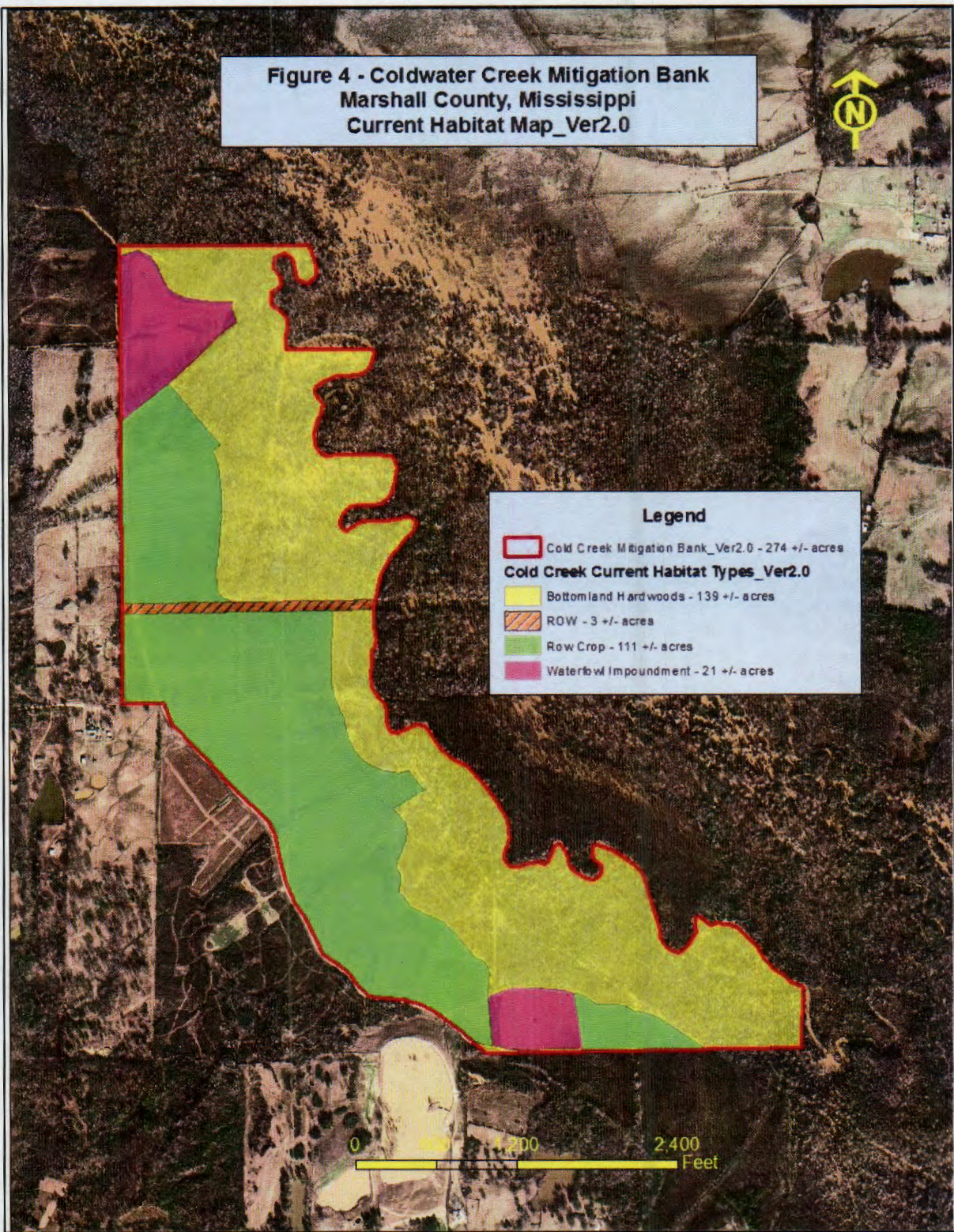
CEMVK-OD-FE RVH-MVK-2013-746

COLDWATER CREEK MITIGATION BANK



CEMVK-OD-FE RVH-MVK-2013-746

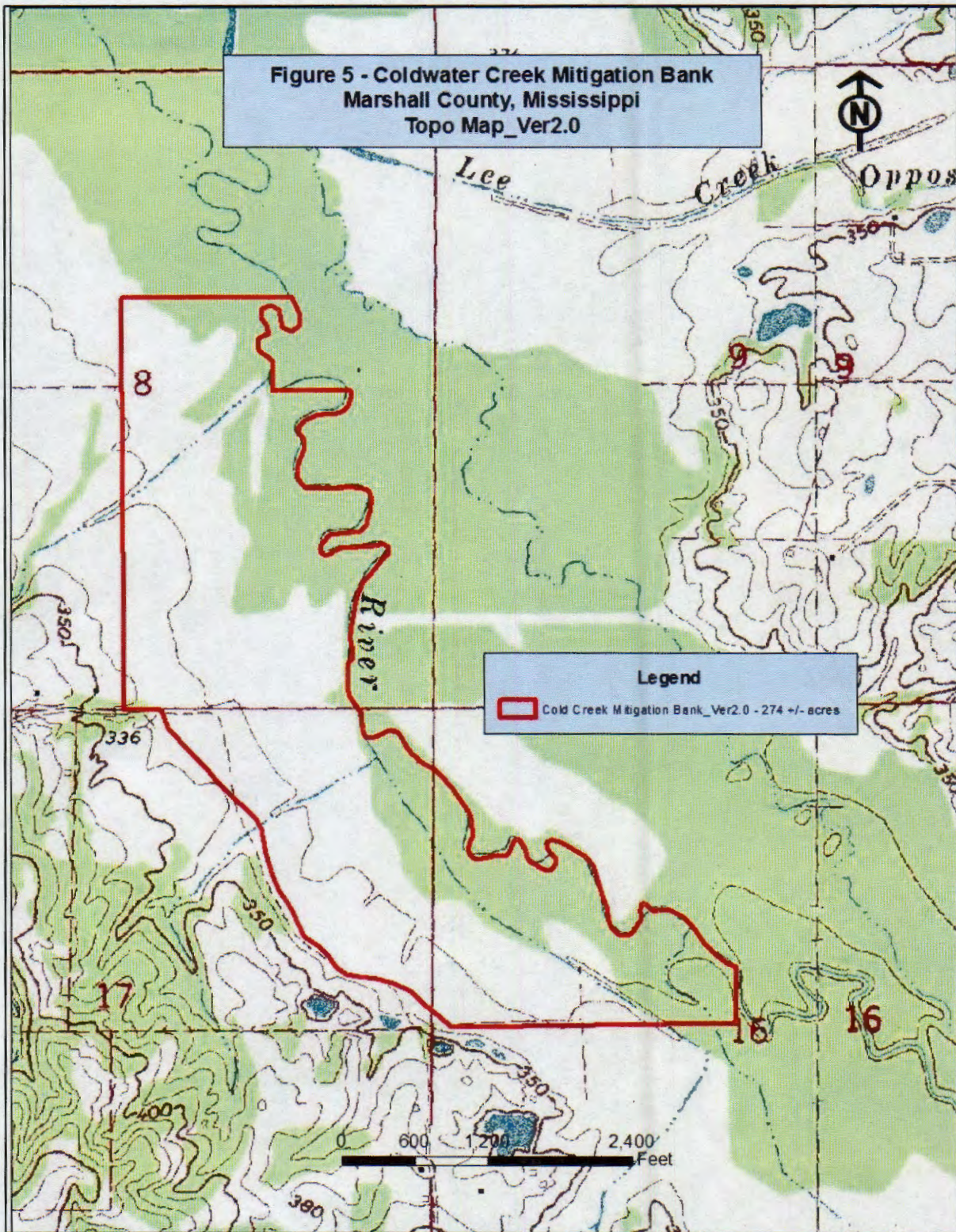
COLDWATER CREEK MITIGATION BANK



CEMVK-OD-FE RVH-MVK-2013-746

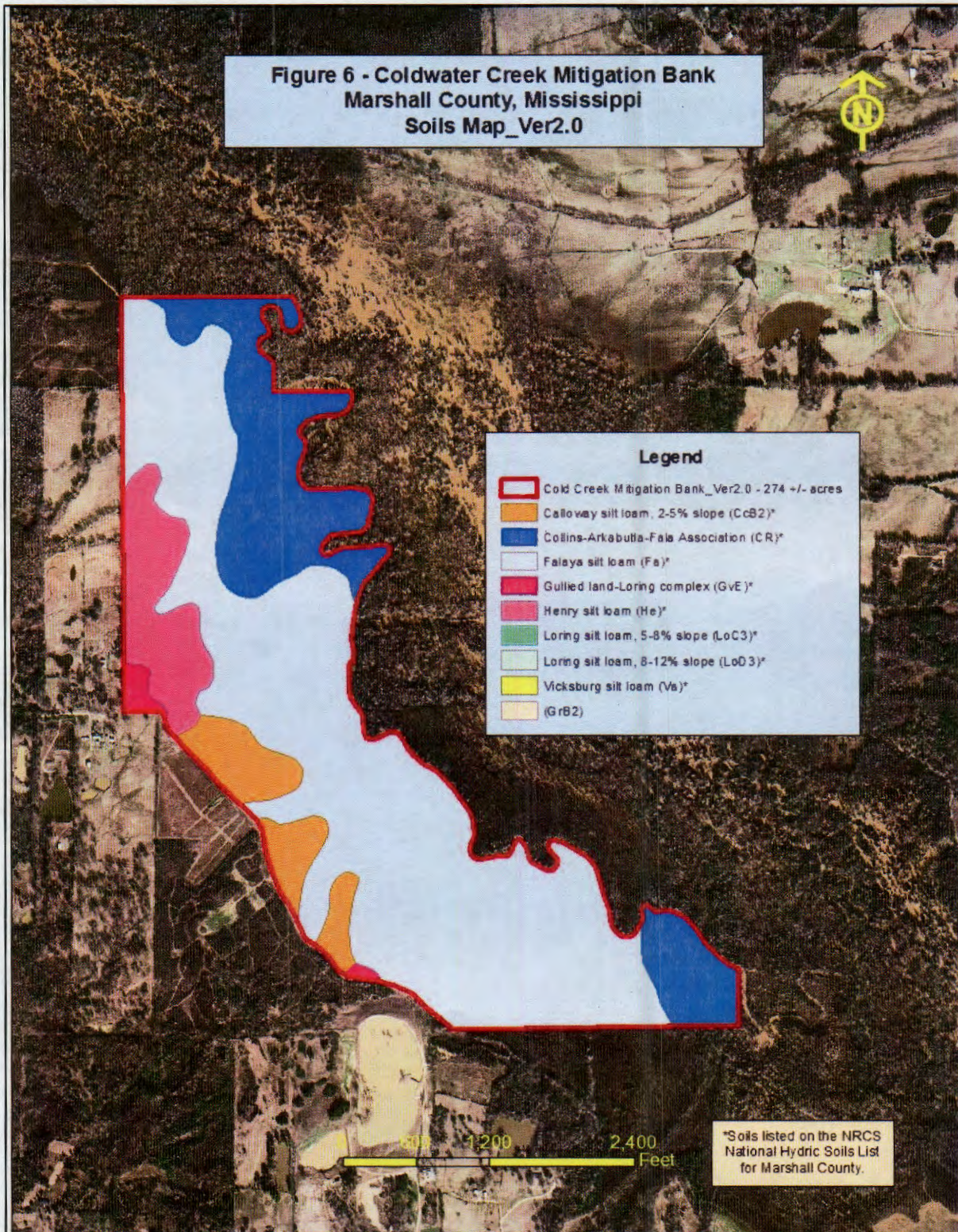
COLDWATER CREEK MITIGATION BANK

Coldwater Creek Mitigation Bank Draft Mitigation Bank Prospectus



CEMVK-OD-FE RVH-MVK-2013-746

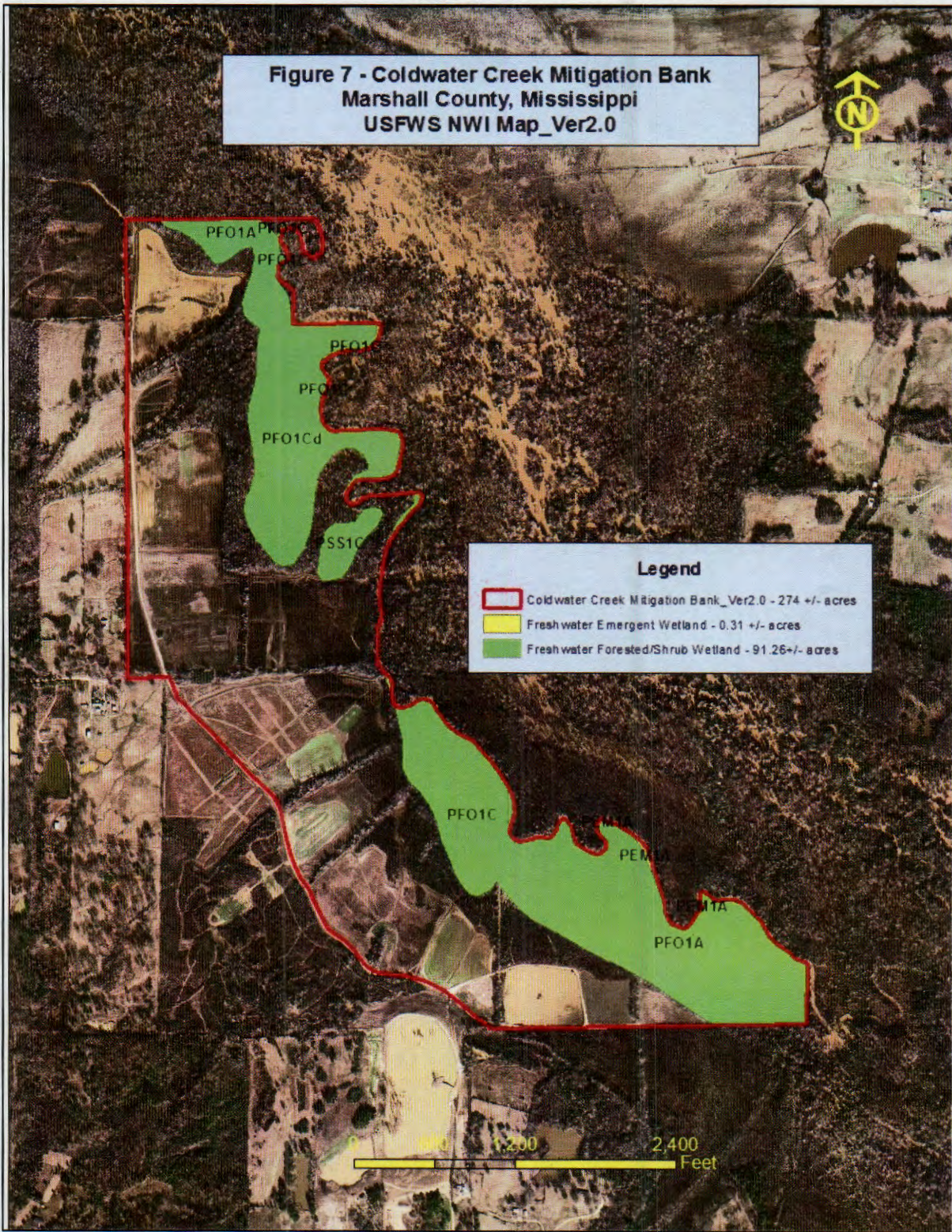
COLDWATER CREEK MITIGATION BANK



CEMVK-OD-FE RVH-MVK-2013-746

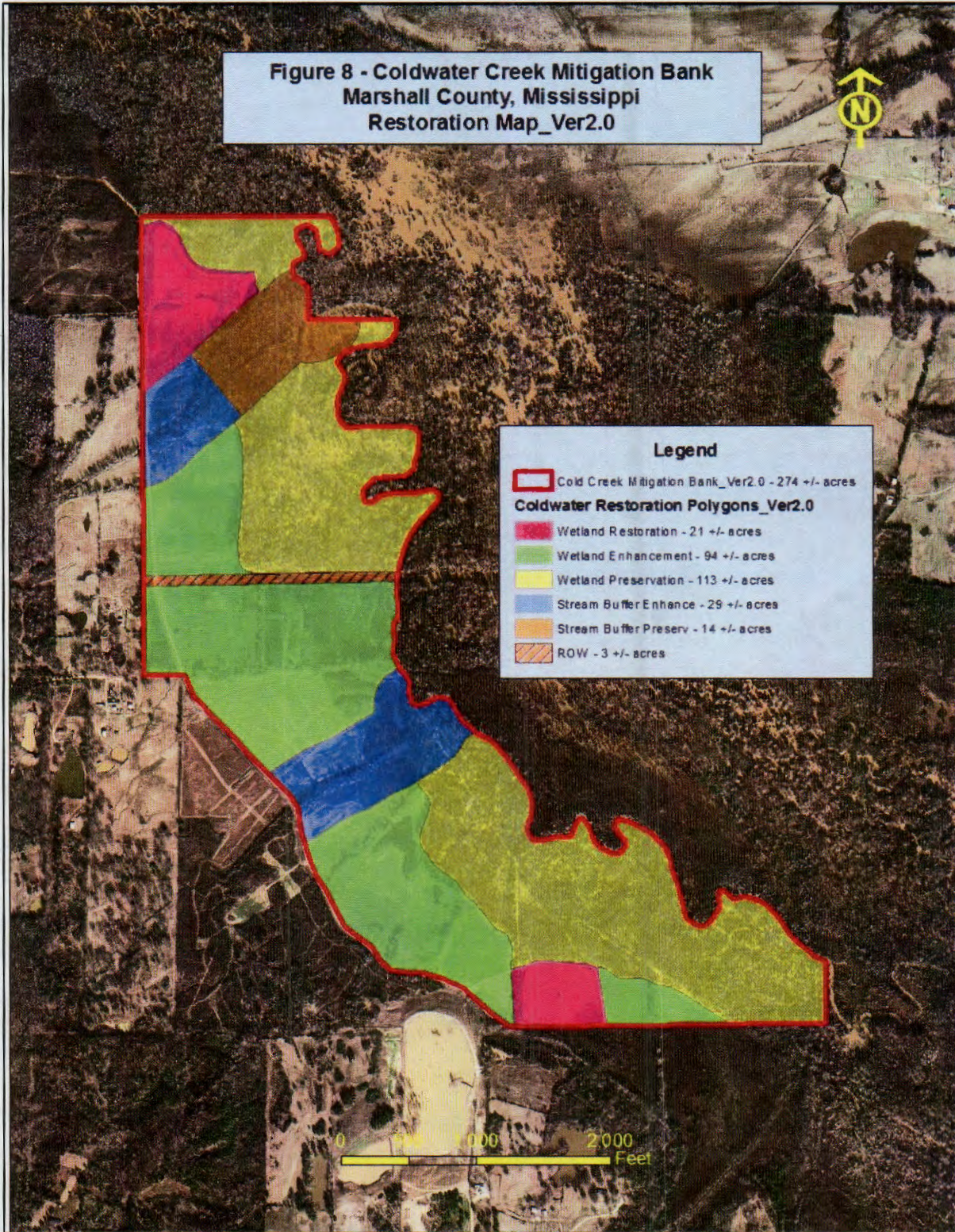
COLDWATER CREEK MITIGATION BANK

Coldwater Creek Mitigation Bank Draft Mitigation Bank Prospectus



CEMVK-OD-FE RVH-MVK-2013-746

COLDWATER CREEK MITIGATION BANK



CEMVK-OD-FE RVH-MVK-2013-746

COLDWATER CREEK MITIGATION BANK