

# Appendix R

## HABITATS OF CONFINED DISPOSAL FACILITIES (CDFs)

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## Introduction

To determine the number of acres and habitats affected by the project, Geographic Information Systems (GIS) technology compared the construction footprint of Alternatives B and C to the Louisiana Land Use and Land Cover (LULC) dataset, developed by the National Gap Analysis Program (GAP), which maps vegetation information using the National Vegetation Classification System. The term “marsh,” which is used by the LULC to describe the areas of wetland vegetation that have become established within CDFs, is replaced by the term “man-induced wetland” per the 1987 Corps of Engineers Wetlands Delineation Manual. This is done to avoid confusion between the habitats within disposal areas and the natural coastal marsh outside the CDFs. Results of the GIS land use analysis for Plans B and C are presented below. Although this data was collected by USGS’ National Wetland Research Center (NWRC) prior to major hurricanes Rita and Katrina, it provides a useful summary of the types of habitat found on disposal sites for the project.

## Plan B

Table 1 shows the habitat types and number of acres of the existing CDFs that would be filled with dredged material under Plan B. Plan B would involve filling in with dredged material an estimated 2795 acres of man-induced wetlands, 1741 acres of agricultural land, 318 acres of barren uplands, 292 acres of water, 198 acres of upland scrub/shrub, and .5 acres of upland forest and on existing CDFs.

**Table 1. CDF Habitats filled in by Dredged Material: Plan B**

Habitat Type	Acres
<b>Existing CDFs</b>	
Man-induced wetland	2794.8
Cropland/grassland	1741.2
Upland Barren	318.0
Water	292.2
Upland scrub/shrub	198.4
Upland Forest	0.5
Total: 5343.1	

Source: LULC/GAP, 1988.

## Plan C

Table 2 shows the habitat types and number of acres of the existing CDFs that would be filled with dredged material under Plan C.

**Table 2. Table 1. Habitats filled in by Dredged Material: Plan C**

Habitat Type	Acres
<b>Existing CDFs</b>	
Man-induced wetland	2575.6
Cropland/grassland	574.7
Upland Barren	315.9
Water	264.0
Upland scrub/shrub	75.7
Upland Forest	0.5
Total: 3988.5	

Source: LULC/GAP, 1988.

### Habitats of Each CDF

Table 3 below shows the habitat acreages for each existing CDF under Plans B and C.

**Table 3. Habitats of Existing CDFs**

CDF	Habitat Type	Plan	Acres
1	Man-induced wetland	B/C	48.9
1	Upland scrub/shrub	B/C	2.8
1	Water	B/C	1.7
2	Man-induced wetland	B/C	45.5
2	Upland Forest	B/C	0.5
2	Upland scrub/shrub	B/C	0.3
2	Water	B/C	0.8
3	Man-induced wetland	B/C	112.5
3	Upland scrub/shrub	B/C	0.2
3	Water	B/C	0.5
7	Man-induced wetland	B/C	257.4
7	Upland scrub/shrub	B/C	1.3
7	Water	B/C	0.0
8	Man-induced wetland	B/C	198.5
8	Upland scrub/shrub	B/C	1.3
8	Water	B/C	1.1
9	Man-induced wetland	B/C	174.4
9	Upland scrub/shrub	B/C	0.6
9	Water	B/C	0.3
10	Man-induced wetland	B/C	143.8
10	Water	B/C	0.3
11	Man-induced wetland	B/C	146.2
11	Water	B/C	2.9
12A	Man-induced wetland	B/C	170.6
12A	Water	B/C	0.0
12B	Cropland/grassland	B/C	30.3

<b>CDF</b>	<b>Habitat Type</b>	<b>Plan</b>	<b>Acres</b>
12B	Man-induced wetland	B/C	400.4
12B	Upland scrub/shrub	B/C	3.1
12B	Water	B/C	6.0
13A	Man-induced wetland	B/C	301.2
13A	Upland scrub/shrub	B/C	18.7
13A	Water	B/C	1.4
13B	Man-induced wetland	B/C	378.9
13B	Water	B/C	1.1
15	Cropland/grassland	B/C	182.9
15	Man-induced wetland	B/C	0.6
15	Upland scrub/shrub	B/C	0.7
15	Water	B/C	0.2
16N	Cropland/grassland	B/C	3.0
16N	Man-induced wetland	B/C	0.2
16N	Upland Barren	B/C	157.4
16N	Water	B/C	0.7
17	Cropland/grassland	B/C	122.7
17	Man-induced wetland	B/C	4.4
17	Upland scrub/shrub	B/C	22.6
19	Cropland/grassland	B	0.9
19	Man-induced wetland	B	32.1
19	Upland scrub/shrub	B	66.9
19	Water	B	10.3
22	Cropland/grassland	B	127.7
22	Man-induced wetland	B	7.3
22	Upland Barren	B	2.1
22	Upland scrub/shrub	B	17.5
22	Water	B	2.6
D	Cropland/grassland	B	276.7
D	Man-induced wetland	B	6.4
D	Upland scrub/shrub	B	22.8
D	Water	B	5.0
E	Cropland/grassland	B	167.9
E	Upland scrub/shrub	B	15.1
E	Water	B	0.0
Foreshore Dike	Cropland/grassland	B/C	21.2
Foreshore Dike	Marsh	B/C	0.4
Foreshore Dike	Upland scrub/shrub	B/C	18.2
Foreshore Dike	Water	B/C	241.6
H	Man-induced wetland	B/C	2.2
H	Upland Barren	B/C	158.5
H	Upland scrub/shrub	B/C	5.9
H	Water	B/C	2.2
M	Cropland/grassland	B/C	187.3
M	Man-induced wetland	B/C	181.0
M	Water	B/C	3.2
N	Cropland/grassland	B/C	27.3

<b>CDF</b>	<b>Habitat Type</b>	<b>Plan</b>	<b>Acres</b>
N	Marsh	B/C	181.7
N	Man-induced wetland	B/C	8.9

Source: NWRC LULC/GAP, 1988.