



2023 DRAFT COASTAL MASTER PLAN

AVAILABLE SEDIMENT BY BORROW SOURCE

SUPPLEMENTAL MATERIAL F1.5

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COASTAL PROTECTION AND RESTORATION AUTHORITY

This document was developed in support of the 2023 Coastal Master Plan being prepared by the Coastal Protection and Restoration Authority (CPRA). CPRA was established by the Louisiana Legislature in response to Hurricanes Katrina and Rita through Act 8 of the First Extraordinary Session of 2005. Act 8 of the First Extraordinary Session of 2005 expanded the membership, duties, and responsibilities of CPRA and charged the new authority to develop and implement a comprehensive coastal protection plan, consisting of a master plan (revised every six years) and annual plans. CPRA's mandate is to develop, implement, and enforce a comprehensive coastal protection and restoration master plan.

CITATION

Sprague, H, Nelson, T. Weikmann, A, Gong, D. (2021). 2023 Draft Coastal Master Plan: Supplemental Material F1.5: Available Sediment by Borrow Source. Version I. (p. 6.). Baton Rouge, Louisiana: Coastal Protection and Restoration Authority.

BORROW SOURCE VOLUMES

The fill volume and replenishment rate for each borrow source is described in Table 1. The replenishment rate is calculated based on the assumption that enough sediment will be deposited in river, maintenance dredging, and Lake Calcasieu interior borrow sources to fully replenish the borrow source in 10 years, whereas other interior sources and offshore sources have no means of replenishment.

Table 1. Available Sediment by Fill Volume and Replenishment Rate for each Borrow Source

Borrow Source	Borrow Source Name	Borrow Area Type	Fill Volume (Cubic Yards)	Replenishment Rate - Annual (Cubic Yards)
ACC	Atchafalaya	River	26,400,000	2,640,000
BL	Bayou Lafourche Port Fourchon	Interior	19,200,000	-
CLL	Calcasieu Lower Lake (mile 5 to 12)	Interior	8,400,000	840,000
CUL	Calcasieu Upper Lake (mile 12 to 22)	Interior	9,600,000	960,000
CUR	Calcasieu River(mile 22 to 26)	Interior	16,400,000	1,640,000
GHS	Gulfport Harbor and Sound Nav Channel	Maintenance Dredging	13,300,000	1,330,000
LBA	Lake Barre	Interior	17,600,000	-
LBO	Lake Borgne	Interior	8,800,000	-

Borrow Source	Borrow Source Name	Borrow Area Type	Fill Volume (Cubic Yards)	Replenishment Rate - Annual (Cubic Yards)
LPB	Lake Pontchartrain	Interior	8,800,000	-
MRSS01	Pilottown Anchorage	River	133,400,000	13,340,000
MRSS020304	Upper and Lower Venice Anchorage	River	45,800,000	4,580,000
MRSS05	Boothville Anchorage North and Sound	River	29,500,000	2,950,000
MRSS0607	Ostrica Anchorage	River	13,000,000	1,300,000
MRSS080910	Empire	River	33,200,000	3,320,000
MRSS11	Sixty-Mile Point	River	9,900,000	990,000
MRSS12	Port Sulphur Anchorage	River	20,000,000	2,000,000
MRSS13	Enclade	River	11,600,000	1,160,000
MRSS14	MR Mile Marker 44	River	2,000,000	200,000
MRSS1516	Magnolia Anchorage	River	10,100,000	1,010,000
MRSS17	Point Celeste Anchorage	River	23,500,000	2,350,000
MRSS1819	Davant Anchorage	River	8,400,000	840,000
MRSS20	Deer Range MR Mile Marker 55	River	3,600,000	360,000

Borrow Source	Borrow Source Name	Borrow Area Type	Fill Volume (Cubic Yards)	Replenishment Rate - Annual (Cubic Yards)
MRSS21	Myrtle Grove	River	10,300,000	1,030,000
MRSS22	Alliance South	River	2,400,000	240,000
MRSS23	Alliance Anchorage	River	11,300,000	1,130,000
MRSS24	Willis Point Anchorage	River	7,500,000	750,000
MRSS25	Jesuit Bend	River	8,700,000	870,000
MRSS2627	Cedar Grove Anchorage	River	5,600,000	560,000
MRSS2829	Dalcour North and South	River	5,300,000	530,000
MRSS30	Belle Chase Anchorage	River	11,500,000	1,150,000
MRSS3132	English Turn Bend North and South	River	6,900,000	690,000
MRSS33	English Turn MR Mile Marker 78	River	1,100,000	110,000
MRSS34	Lower 12 Mile Point Anchorage	River	7,200,000	720,000
MRSS35	MR Mile Marker 81	River	2,800,000	280,000
MRSS36	Lower 9 Mile Point Anchorage	River	11,700,000	1,170,000
MRSS37	Meraux MR Mile Marker 86	River	300,000	30,000
MRSS38	MR Mile Marker 88	River	4,200,000	420,000

Borrow Source	Borrow Source Name	Borrow Area Type	Fill Volume (Cubic Yards)	Replenishment Rate - Annual (Cubic Yards)
MRSS39	Quarantine Anchorage	River	13,300,000	1,330,000
MRSS40	Port of New Orleans MR Mile Marker 100	River	9,500,000	950,000
OFFCH	Offshore - Chenier Plain	Offshore - Chenier Plain	21,053,900,000	-
OFFDE	Offshore - Deltaic Plain	Offshore - Deltaic Plain	24,982,000,000	-