

CHAPTER 8 DISTRIBUTION LIST AND OTHER

8.1 DISTRIBUTION LIST

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8.4 GLOSSARY

Acceptability	Adequate to satisfy a need, requirement, or standard. One of the USACE requirements for a project.
Adaptive Management	An interdisciplinary approach acknowledging our insufficient information base for decision-making; that uncertainty and change in managed resources are inevitable; and that new uncertainties will emerge. An iterative approach that includes monitoring and involves scientists, engineers and others who provide information and recommendations that are incorporated into management actions; results are then followed with further research, recommendations and management actions, and so on.
Air Quality Determination	The Louisiana Department of Environmental Quality ensures that projects do not adversely affect air quality through this determination as a requirement of the Clean Air Act.
Alternative Plan	A set of one or more management measures within a subprovince functioning together to address one or more objectives.
Amplitude	The maximum absolute value of a periodically varying quantity.
Anadromous	Ascending rivers from the sea for breeding.
Anoxia	Absence of oxygen.
Anthropogenic	Caused by human activity.
Average Annual Habitat Unit (AAHU)	Represent a numerical combination of habitat quality and quantity (acres) existing at any given point in time. The habitat units resulting from the future without- and future with-project scenarios are annualized, and averaged over the project life, to determine Average Annual Habitat Units (AAHUs).
Benefits	Valuation of positive performance measures.
Benthic	Living on or in sea, lake, or stream bottoms.
Biomass	The total mass of living matter (plant and animal) within a given unit of environmental area.
Bottomland Hardwood Forest	Low-lying forested wetlands found along streams and rivers.
Brackish Marsh (BRM)	Intertidal plant community typically found in the area of the estuary where salinity ranges between 4-15 ppt.
Clean Water Act Section 404 (b) (1)	There are several sections of this Act which pertain to regulating impacts to wetlands. The discharge of dredged or fill material into waters of the United States is subject to permitting specified under Title IV (Permits and Licenses) of this Act and specifically under Section 404 (Discharges of Dredge or Fill Material) of the Act.
Coastal Zone Consistency Determination	The U.S. Environmental Protection Agency reviews plans for activities in the coastal zone to ensure they are consistent with Federally approved State Coastal Management Programs under Section 307(c)(3)(B) of the Coastal Zone Management Act.
Coast-wide Plan	Combination of alternative plans assembled to address an objective or set of objectives across the entire Louisiana Coast.
Collocated Team	A collection of scientists and professionals from the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, NOAA Fisheries, Natural Resources Conservation Service, U.S. Geological Survey, U.S. Environmental Protection Agency, Louisiana Department of Natural Resources, and Louisiana Department of Wildlife and Fisheries that are located at the CEMVN office and work together on the LCA Plan.
Comprehensive Plan	Same as coast-wide Plan.
Conditional Authorization	Authorization for implementation of a project subject to approval of the project feasibility-level decision document by the Assistant Secretary of the Army for Civil Works.

Congressional Authorization	Authorization for investigation to prepare necessary feasibility-level report to be recommended for authorization of potential future project construction by Congress.
Connectivity	Property of ecosystems that allows for exchange of resources and organisms throughout the broader ecosystem.
Continental Shelf	The edge of the continent under gulf waters; the shallow Gulf of Mexico fringing the coast.
Control Structure	A gate, lock, or weir that controls the flow of water.
Cumulative Impacts	The combined effect of all direct and indirect impacts to a resource over time.
Datum	A point, line, or surface used as a reference, as in surveying, mapping, or geology.
Decomposition	Breakdown or decay of organic materials.
Degradation Phase	The phase of the deltaic cycle when sediments are no longer delivered to a delta, and it experiences erosion, dieback, or breakup of marshes.
Deltaic Cycle	The repeating pattern of delta development, progression, and abandonment. As sediments are deposited at the mouth of the distributary channels, the delta progresses seaward. The main channel then switches to a new course with a shorter reach to the depositional basin. Abandoned delta lobes decrease in elevation due to continued subsidence and sediment compaction, resulting in retreat of the shoreline. Abandoned lobes may be partially or wholly covered by new lobes during later deltaic cycles.
Deltaic Deposits	Mud and sand deposited at the mouth of a river.
Deltaic Plain	The land formed and reworked as the Mississippi River switched channels in the eastern part of the Louisiana coastal area.
Detritus	The remains of plant material that has been destroyed or broken up.
Dewatering	The process of dredged sediments compacting while losing water after being deposited.
Discharge	The volume of fluid passing a point per unit of time, commonly expressed in cubic feet per second, millions of gallons per day, or gallons per minute.
Dissolved Oxygen	Oxygen dissolved in water, available for respiration by aquatic organisms. One of the most important indicators of the condition of a water body.
Direct Impacts	Those effects that result from the initial construction of a measure (e.g., marsh destroyed during the dredging of a canal). Contrast with “Indirect Impacts.”
Diurnal	Relating to or occurring in a 24-hour period; daily.
Diversion	A turning aside or alteration of the natural course or flow of water. In coastal restoration this usually consists of such actions as channeling water through a canal, pipe, or conduit to introduce water and water-borne resources into a receiving area.
Dredged material embankments (Spoil Banks, Side-cast Banks, Excavated Material Banks)	Dredged material removed from canals and piled in a linear mound along the edge of canals.
Dynamic	Characterized by continuous change and activity.
Ecological	Refers to the relationship between living things and their environment.
Economic	Of or relating to the production, development, and management of material wealth, as of a country, household, or business enterprise.
Ecosystem	An organic community of plants and animals viewed within its physical environment (habitat); the ecosystem results from the interaction between soil, climate, vegetation, and animal life.
Ecosystem Restoration	Activities that seek to return a organic community of plants and animals and their habitat to a previously existing or improved natural condition or function.
Effectiveness	Having an intended or expected effect. One of the USACE four requirements for a project.
Efficiency	The quality of exhibiting a high ratio of output to input. One of the USACE four requirements for a project.
Egress	A path or opening for going out; an exit.

Embankment	A linear mound of earth or stone existing or built to hold back water or to support a roadway.
Encroachment	Entering gradually into an area not previously occupied, such as a plant species distribution changing in response to environmental factors such as salinity.
Endangered Species	Animals and plants that are threatened with extinction.
Engineering News Record (ENR)	A magazine that provides news needed by anyone in or from the construction industry.
Enhance	To augment or increase/heighten the existing state of an area.
Environmental Impact Statement (EIS)	A document that describes the positive and negative environmental effects of a proposed action and the possible alternatives to that action. The EIS is used by the Federal government and addresses social issues as well as environmental ones.
Estuary	A semi-enclosed body of water with freshwater input and a connection to the sea where fresh water and salt water mix.
Estuarine	Related to an estuary.
Evaporation	The process by which any substance is converted from a liquid state into, and carried off in, vapor; as, the evaporation of water.
Exotic Species	Animal and plant species not native to the area; usually undesirable (e.g., hyacinth, nutria, tallow tree, giant salvinia).
Feasibility Report	A description of a proposed action, previously outlined in a general fashion in a Reconnaissance Report, that will satisfy the Federal interest and address the problems and needs identified for an area. It must include an assessment of impacts to the environment (either in an Environmental Assessment, or the more robust Environmental Impact Statement), an analysis of alternative methods of completion, and the selection of a Recommended Plan through the use of a cost-effectiveness analysis.
Feature	A constructible increment of an alternative plan.
Federal Principals Group (FPG)	A collaboration among Federal agencies at the Washington level to facilitate the flow of information, to provide guidance and recommendations to the USACE and LDNR throughout the study process, and to facilitate resolution of any interagency issues that may be identified in the conduct of the study.
Final Array	The final grouping of the most effective coast wide plans from which a final recommendation can be made.
Foreshore Dikes	An embankment of earth and rock built to prevent floods or erosion that is built in the area of a shore that lies between the average high tide mark and the average low tide mark.
Framework Development Team (FDT)	A group of professionals from various Federal and state agencies, academia and the public formed to provide a forum for individual members to discuss LCA Comprehensive Study activities and technical issues and to provide individual comments to the Senior Management Committee.
Fresh Marsh	Intertidal herbaceous plant community typically found in that area of the estuary with salinity ranging from 0-3 ppt.
Furbearer	An animal whose skin is covered with fur (mammal), especially fur that is commercially valuable, such as muskrat, nutria, and mink.
Geomorphic	Related to the geological surface configuration.
Goals	Statements on what to accomplish and/or what is needed to address a problem without specific detail.
Gradient	A slope; a series of progressively increasing or decreasing differences in a system or organism.
Habitat	The place where an organism lives; part of physical environment in which a plant or animal lives.
Habitat Loss	The disappearance of places where target groups of organisms live. In coastal restoration, usually refers to the conversion of marsh or swamp to open water.
Habitat Units (HUs)	Represent a numerical combination of quality (HSI) and quantity (acres) existing at any given point in time. The HUs resulting from the future without- and future

	with-project scenarios are annualized, and averaged over the project life, to determine Average Annual Habitat Units (AAHUs). The “benefit” of a project can be quantified by comparing AAHUs between the future without- and future with-project scenarios. The difference in AAHUs between the two scenarios represents the net benefit attributable to the project in terms of habitat quantity and quality.
Hazardous, Toxic, and Radioactive Wastes (HTRW)	Wastes that contain toxic constituents, or that may cause hazardous chemical reactions, including explosive or flammable materials, or radioactive wastes, which, if improperly managed, may present a hazard to human health or the environment.
Headland	A point of land projecting into the sea or other expanse of water, still connected with the mainland.
Herbaceous	A plant with no persistent woody stem above ground.
Hydrodynamic	The continuous change or movement of water.
Hydrology	The pattern of water movement on the earth's surface, in the soil and underlying rocks, and in the atmosphere.
Hypoxia	The condition of low dissolved oxygen concentrations.
Indemnification	Insurance against or compensation for loss or damage.
Indirect Impacts	Those effects that are not as a direct result of project construction, but occur as secondary impacts due to changes in the environment brought about by the construction. Contrast with “Direct Impacts.”
Infrastructure	The basic facilities, services, and installations needed for the functioning of a community or society, such as transportation and communications systems, water and power lines, and public institutions including schools, post offices, and prisons.
Ingress	An entrance or the act of entering.
Inorganic	Not derived from living organisms; mineral; matter other than plant or animal.
Interdistributary Deposits	Sand and mud deposited between the river channels or between bayous.
Intermediate Marsh	Intertidal herbaceous plant community typically found in that area of the estuary with salinity ranging from 2-5 ppt.
Intertidal	Alternately flooded and exposed by tides.
Invertebrates	Animals without backbones, including shrimp, crabs, oysters, and worms.
Larvae	The stage in some animal's life cycles between egg and adult (most invertebrates).
Leeward	Sheltered from the wind; away from the wind.
Levee	A linear mound of earth or stone built to prevent a river from overflowing; a long, broad, low ridge built by a stream on its flood plain along one or both banks of its channel in time of flood.
Locally Preferred Plan (LPP)	Alternative plan preferred by local sponsor if other than the Recommended Plan.
Maintain	To keep in existing state.
Methodology	A set of practices, procedures, and rules.
Mineral Substrate	Soil composed predominately of mineral rather than organic materials; less than 20 percent organic material.
Mudflats	Flat, unvegetated wetlands subject to periodic flooding and minor wave action.
National Ecosystem Restoration (NER)	USACE standard for cost-effectiveness based on ecosystem, not economic, benefits.
Near-shore Currents	Movement of water parallel to the shoreline. Usually generated by waves breaking on the shore at an angle other than perpendicular.
National Environmental Policy Act (NEPA)	Ensures that Federal agencies consider the environmental impacts of their actions and decisions. NEPA requires all Federal agencies to consider the values of environmental preservation for all significant actions and prescribes procedural measures to ensure that those values are fully respected.
Net Gain	The amount of cumulative land gain less land loss, when gain is greater than loss.
Net Loss	The amount of cumulative land gain less land loss, when gain is less than loss.
No Action Alternative	The alternative in the DEIS which describes the ecosystem of the coastal area if no restoration efforts/projects were done.

Nursery	A place for larval or juvenile animals to live, eat, and grow.
Objectives	More specific statements than “Goals,” describing how to achieve the desired targets.
Organic	Composed of or derived from living things.
Oscillations	Fluctuations back and forth, or up and down.
Oxidation of Organic Matter	The decomposition (rotting, breaking down) of plant material through exposure to oxygen.
Oxygen-depleted	Situation of low oxygen concentrations where living organisms are stressed.
Planning Scale	Planning term that reflects the degree to which environmental processes would be restored or reestablished, and the resulting ecosystem and landscape changes that would be expected over the next 50 years. This uppermost scale is referred to as “ <i>Increase</i> .” No net loss of ecosystem function is “ <i>Maintain</i> .” Reducing the projected rate of loss of function is “ <i>Reduce</i> .” The lowest possible scale was no further action above and beyond existing projects and programs.
Post-larval	Stage in an animal’s lifecycle after metamorphosis from the larval stage, but not yet fully grown.
Potable Water	Water that is fit to drink.
ppt	Parts per thousand. The salinity of ocean water is approximately 35 ppt.
Prime Farmland	Land that has the best combination of physical and chemical characteristics for producing food, feed, fiber, forage, oilseed, and other agricultural crops with minimum inputs of fuel, fertilizer, pesticides, and labor, and without intolerable soil erosion. One of the categories of concern in the EIS.
Principles	Framing statements that can be used to evaluate alternatives while considering issues that affect them. Used along with targets and assessments of ecosystem needs to provide guidance in formulation of alternative plans.
Productivity	Growth of plants and animals.
Progradation	The phase during the deltaic cycle where land is being actively accreted through deposition of river sediments near the mouth.
Programmatic Environmental Impact Statement (PEIS)	And Environmental Impact Statement that supports a broad authorization for action, contingent on more specific detailing of impacts from specific measures.
Province	A major division of the coastal area of Louisiana. (e.g., Deltaic Plain and Chenier Plain).
Pulsing	Letting a diversion flow periodically at a high rate for a short time, rather than continuously.
Quantitative	Able to assign a specific number; susceptible to measurement.
Rebuild	To some extent build back a structure/landform that had once existed.
Reconnaissance Report	A document prepared as part of a major authorization that examines a problem or need and determines if sufficient methods and Federal interest exists to address the problem/need. If so, then a “Feasibility Report” is prepared, which details the solution and its impacts further.
Reduce	To diminish the rate or speed of a process.
Regional Working Group (RWG)	An inter-agency team formed to support the Washington-level Federal Principal’s Group and to facilitate regional level collaboration and coordination on the LCA study.
Rehabilitate	To focus on historical or pre-existing ecosystems as models or references while emphasizing the reparation of ecosystem processes, productivity and service.
Relative Sea Level Change	The sum of the sinking of the land (subsidence) and eustatic sea level change; the change in average water level with respect to the surface.
Restore	Return a wetland to an approximation of its condition or function prior to disturbance by modifying conditions responsible for the loss or change; re-establish the function and structure of that ecosystem.
Saline Marsh	Intertidal herbaceous plant community typically found in that area of the estuary with salinity ranging from 12-32 ppt.
Salinity	The concentration of dissolved salts in a body of water, commonly expressed as parts per thousand (ppt).

Salt Marshes	See “Saline Marsh.”
Scoping	Soliciting and receiving public input to determine issues, resources, impacts, and alternatives to be addressed in the draft EIS.
Sea level	Long-term average position of the sea surface.
Sediment Plume	Caused by sediment rich rainwater runoff entering the ocean. The runoff creates a visible pattern of brown water that is rich in nutrients and suspended sediments that forms a kind of cloud in the water spreading out from the coastline. Commonly forms at river and stream mouths, near sloughs, and along coasts where a large amount of rain runoff flows directly into the ocean.
Sheet Flow	Flow of water, sediment, and nutrients across a flooded wetland surface, as opposed to through channels.
Shoaling	The shallowing of an open-water area through deposition of sediments.
Social	Relating to human society and its modes of organization.
Socioeconomic	Involving both social and economic factors.
Stabilize	To fix the level or fluctuation of; to make stable.
State Historic Preservation Office (SHPO)	The part of the Louisiana Department of Culture, Recreation, and Tourism that deals with Native American sites and other archaeological/historic sites.
Stillstand	A period of time when sea level did not change.
Storm Overwash	The process by which sand is transposed landward over the dunes during a storm event by waves.
Storm Surge	An abnormal and sudden rise of the sea along a shore as a result of the winds of a storm.
Strategy	Ecosystem restoration concept from the Coast 2050 Plan.
Stream Gauging Data	Records of water levels in streams and rivers.
Submergence	Going under water.
Subprovince	The divisions of the two Provinces (see “Province”) into smaller groupings: 1) east of the Mississippi River; 2) west of the Mississippi River to Bayou Lafourche; 3) Bayou Lafourche to Freshwater Bayou; 4) Freshwater Bayou to Sabine River.
Subsidence	The gradual downward settling or sinking of the Earth’s surface with little or no horizontal motion.
Sustain	To support and provide with nourishment to keep in existence; maintain.
Target	A desired ecosystem state that meets an objective or set of objectives.
Terrestrial Habitat	The land area or environment where an organism lives; as distinct from water or air habitats.
Toxicity	The measure of how poisonous something is.
Transpiration	The process by which water passes through living plants into the atmosphere.
Turbidity	The level of suspended sediments in water; opposite of clarity or clearness.
Upland	A general term for non-wetland elevated land above low areas along streams or between hills.
Water Resource Units (WRU)	Stage-damage data developed as part of the Flood Damage Estimation System (FDES) in 1980 for the Mississippi River and Tributaries (MR&T) project were used to estimate the flood damages that are expected to occur in Subprovinces 1, 2, and 3. The data collected for the FDES were delineated into geographic areas with homogenous physical and hydraulic characteristics. These geographic areas were numerically coded and designated as Water Resource Units (WRUs). Within each WRU, land-use elements (structures, cropland, roads, bridges, railroads, etc.) were categorized by location, value, and corresponding depth-damage relationship. The structural damage categories included: residential, commercial, industrial, public, and farm buildings.
Water Resources Development Act (WRDA)	A bill passed by Congress that provides authorization and/or appropriation for projects related to the conservation and development of water and related resources.
Weir	A dam placed across a canal or river to raise, divert, regulate or measure the flow of water.

8.5 ACRONYMS

AAHU	Average Annual Habitat Unit
ACHP	Advisory Council on Historic Preservation
ACM	Articulated Concrete Mattressing (revetment)
AEAM	Adaptive Environmental Assessment and Management
ARS	Local Rate of Subsidence
ASA (CW)	Assistant Secretary of the Army (for Civil Works)
BAT	Best Available Technology Economically Achievable
BCT	Best Conventional Pollutant Control Technology
BMP	Best Management Practices
BPD	Barrels Per Day
BRM	Brackish Marsh
BTNEP	Barataria-Terrebonne National Estuary Program
BTU	BTU – British Thermal Units
BU	BU – Benefits Units
CDP	Census Designated Places
CEMVN	United States Army Corps of Engineers – Mississippi Valley Division, New Orleans District
CE/IC	Cost Effectiveness and Incremental Cost
CE/ICA	Cost Effectiveness and Incremental Cost Analysis
CELSS	Coastal Ecological Landscape Spatial Simulation
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CFS	Cubic Foot Per Second
COM	Compaction Fraction
CP	Conceptual Plan
CRT	Coastal Restoration Team
CSVR	Contents-to-Structure Value Ratio
CWA	Clean Water Act
CWPPRA	Coastal Wetlands Planning, Protection and Restoration Act
CY	Cubic Yards
CYR	Cubic Yards Per Year
D	Water Depth
dbl	Decibels
DD	Decision Documents
DEQ	Louisiana Department of Environmental Quality
DM	Decision Makers
DO	Dissolved Oxygen
E&D	Engineering and Design
EIS	Environmental Impact Statement
EMAP	Environmental Monitoring and Assessment Program
ENR	Engineering News Record
EP	Engineering Pamphlet
FDES	Flood Damage Estimation System
FDT	Framework Development Team
FEMA	Department of Homeland Defense – Federal Emergency Management Agency
FHWA	Federal Highway Administration
FPG	Federal Principals Group
FCSA	Feasibility Cost Share Agreement
FTL	Functional Team Leader
FWA	Future With The Alternative
FWO or FWOP	Future Without Project
FY	Fiscal Year

GIWW	Gulf Intracoastal Waterway
GIS	Geographic Information System
H&H	Hydrology and Hydraulics
HSI	Habitat Suitability Index
HSIQL	Habitat Suitability Index That Reflects Quality of Habitat
HTRW	Hazardous, Toxic, or Radioactive Waste
HQU	Habitat Quality Units
HUD	Housing and Urban Development
IHNC	Inner Harbor Navigation Canal
INT	Interspersion
IPT	Interdisciplinary Planning Team
ITR	Independent Technical Review
IWR	Institute for Water Resources
LCA	Louisiana Coastal Area
LDEQ	Louisiana Department of Environmental Quality
LDNR	Louisiana Department of Natural Resources
LDOTD	Louisiana Department of Transportation and Development
LDWF	Louisiana Department of Wildlife and Fisheries
LERRD	Land, Easements, Rights of Way, Relocation, and Disposal
LPP	Locally Preferred Plan
LSU	Louisiana State University
MCACES	Microcomputer Aided Cost Estimating System
MCFS	Marsh Creation Feasibility Study
MPO	Metropolitan Planning Organization
MR&T	Mississippi River and Tributaries
MRC	Mississippi River Commission
MRGO	Mississippi River Gulf Outlet
MS4s	Municipal Separate Storm Sewer Systems
MVD	U.S. Army Corps of Engineers, Mississippi Valley Division
MVN	U.S. Army Corps of Engineers, Mississippi Valley Division, New Orleans District
NE	Northeast
NED	National Economic Development
NEPA	National Environmental Policy Act
NER	National Ecosystem Restoration
NG	Natural Gas
NGVD	National Geodetic Vertical Datum
NHPA	National Historic Preservation Act
NMFS	Department of Commerce – National Marine Fisheries Service
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollutant Discharge Elimination System
NRC	National Research Council
NRCS	Department of Agriculture – Natural Resources Conservation Service
NRHP	National Register of Historic Places
NTRC	National Technical Review Committee
NW	Northwest
NWR	National Wildlife Refuge
OMRR&R	Operating, Maintaining, Repairing, Replacing, and Rehabilitating
OSI	Overall Suitability Index
O&M	Operations and Maintenance
OPEC	Organization of Petroleum Exporting Countries
P&G	Principles & Guidelines
PBMO	Plan that Best Meets Objectives
PCA	Project Cost Agreement

PDT	Project Delivery Team
PED	Preconstruction, Engineering, and Design
PEIS	Programmatic Environmental Impact Statement
PIERS	Port Import Export Reporting Service
PIR	Project Implementation Report
PMT	Project Management Team
PPM	Parts Per Million
Q	Discharge
RET	Retention Fraction
RR	Railroad
RSLR	Relative Sea Level Rise
RV	Recreational Vehicle
RWG	Regional Work Group
S&A	Supervision and Administration
SELA	Southeast Louisiana
ShP	Shoreline Protection
SHPO	State Historic Preservation Officer
SL	Sediment Load
SLU	Southern Louisiana University
SP	Selected Plan
SPR	Strategic Petroleum Reserve
SS	Scrub Shrub
SUB	Local Subsidence Amount
SW	Southwest
SWPPP	Storm Water Pollution Prevention Plan
TMDL	Total Maximum Daily Load
TSP	Tentatively Selected Plan
TVA	Tennessee Valley Authority
ULL	University of Louisiana at Lafayette
UNO	University of New Orleans
UPL	Upland
USACE	United States Army Corps of Engineers
USEPA	United States Environmental Protection Agency
USFDA	United States Food and Drug Administration
USFWS	Department of Interior – U.S. Fish and Wildlife Service
USGS	Department of Interior – United States Geological Survey
VE/ITR	Value Engineering/ Independent Technical Review
VT	Vertical Team
WCSC	Waterborne Commerce Statistics Center
WEFA	Wharton Economic Forecasting Associates
WLO	Wax Lake Outlet
WRDA	Water Resource Development Act
WRU	Water Resource Units
WVA	Wetlands Value Assessment
WW	Waterway

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