

Louisiana Oil Spill Data Management System (LOSDMS)

System Overview

Purpose

The Louisiana Oil Spill Data Management System (LOSDMS) purpose is to provide the Louisiana Trustees a secure and organized data repository for all relevant Louisiana data in response to the Deep Water Horizon Oil Spill.

LOSDMS Development Status

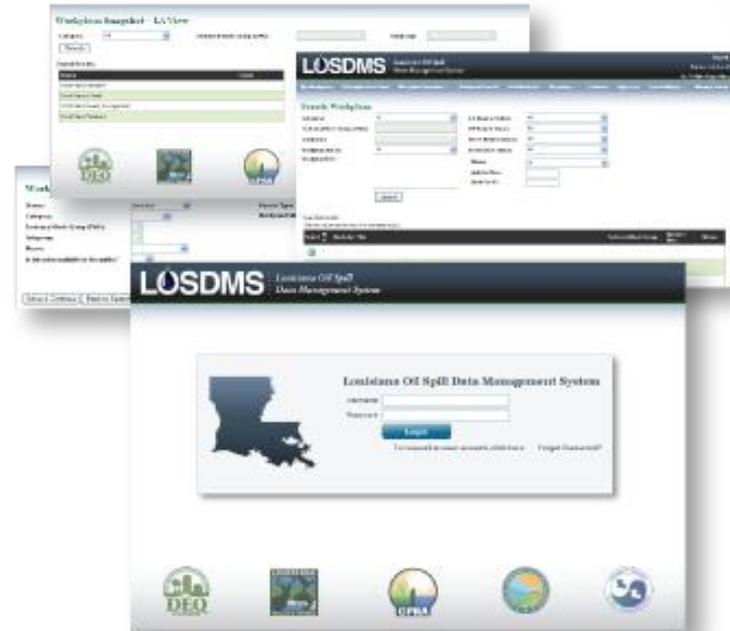
The LOSDMS system is under development, some components of the system are completed and released to the Trustees, while others are yet to be defined.

LOSDMS Systems



LA DWH Site (public)

- Public NRDA Workplans
- Public NRDA Data Sets
- NRDA Administrative Record
- Restoration Project Submittal Form



LOSDMS (secure login)

- Workplan Management
- Data Repository
- Data Staging FTP

LA DWH Public Website

<https://losco-dwh.com/>

Website for all public released DWH
NRDA data from data repository

- Public Workplans
- NRDA Data sets
- Administrative Record
- News, Meetings, & Press Releases



Restoration Project Submittals

- Public can submit restoration projects electronically
- Automatic emails
- Administrative management of restoration projects
- Public Searching

LOSDMS FTP

- Temporary staging area where data is organized and stored prior to incorporation into LOSDMS Data Repository.
- Used for data management analysis and temporary file sharing between designated Trustees.

LOSDMS Security & Users

- Secure login
- Role based security
- User & security role management
- Self registration & automated emails

The image displays two overlapping screenshots of the Louisiana Oil Spill Data Management System (LOSDMS) web application. The left screenshot shows the 'User Registration' page, which includes a header with the LOSDMS logo and the text 'Louisiana Oil Spill Data Management System'. Below the header, the 'User Registration' section contains several input fields: First Name, Last Name, Middle Name, Email Address, Office Phone Number, Cell Phone Number, and Agency (a dropdown menu). A large text area for 'Comments' is located below these fields. A 'Submit' button is positioned at the bottom of the registration form. The right screenshot shows the 'Login' page, featuring a map of Louisiana on the left and a login form on the right. The login form includes fields for 'Username:' and 'Password:', a blue 'Login' button, and a link for 'Forgot Password?'. Below the login form, there is a link that says 'To request a user account, click here'. At the bottom of both screenshots, a row of logos is visible, including the Louisiana Department of Environmental Quality (DEQ), Louisiana Department of Wildlife & Fisheries, Louisiana Department of Agriculture and Forestry (CPRA), and the Louisiana Department of Transportation and Development.

LOSDMS: Workplan Management

- Workplan searching based on workplan metadata
- Workplan processing
 - Add/edit workplans and metadata
 - Upload/view multiple versions of workplans
 - Assign contacts for a workplan
 - LA, NOAA, DOI, & RP approval processing
 - Status, signature, and dates
- Customized views
- Reporting & Exports
- Automatic Emails

LOSDMS: Workplan Management

Example Screens

LOSDMS Louisiana Oil Spill Data Management System

Logout
Release Version: 4.6
Go To Data Repository

My Workplans Workplan Tree View Workplan Snapshot Advanced Search Add Workplan Reporting Contacts Agencies User Settings Manage Users

Search Workplans

Category: All
Technical Work Group (TWG):
Subgroup:
Workplan Status: All
Workplan Title:

LA Review Status: All
RP Review Status: All
HIOAA Review Status: All
DOI Review Status: All
Phase: All
Updated Date:
WorkPlan ID:

Search

Search Results:
Click the select icon to view the workplan details.

Select	ID #	Workplan Title	Technical Work Group	Updated Date	Status
	1				
	2				
	3				

LOSDMS: Workplan Management

Example Screens



LOSDMS Louisiana Oil Spill
Data Management System

Logout
Release Version: 4.6
[Go To Data Repository](#)

[My Workplans](#) [Workplan Tree View](#) [Workplan Snapshot](#) [Advanced Search](#) [Add Workplan](#) [Reporting](#) [Contacts](#) [Agencies](#) [User Settings](#) [Manage Users](#)

Workplans Snapshot - LA View

Category: Technical Work Group (TWG): Subgroup:

Search Results:

Status	Count	LA Tracker	Count
Work Plans Identified			
Work Plans In Draft			
Work Plans Ready for Approval			
Work Plans Finalized		Ready for LA Signature	



LOSDMS: Workplan Management

Example Screens

Attachments	Assigned Contacts	LA Review	RP Review	NOAA Review	DOI Review	Signatures	Data Collections Summary
Attachment Type:		Workplan Document <input type="button" value="v"/>					
Reason For Update:		<input type="text"/> <input type="button" value="v"/>					
Attach Document:		<input type="text"/> <input type="button" value="Browse..."/>				<input type="button" value="Add"/> <input type="button" value="Send Email Notification"/>	
To notify the assigned contacts that a new attachment has been added, select the "Send Email Notification" button.							
Version #	Date	Filename	Attachment Type	Corresponding Version #	Reason	Uploaded By	
Delete 1							
Delete 2							
Delete							
Delete 3							
Delete 4							

LOSDMS: Data Repository

- Data import processing
- Data searching based on workplan, metadata , field data, & location
- Viewing of tabular data & metadata (photos, gps track logs, scanned datasheets, etc.)
- Photo integration
- Exports of data into multiple formats
- Summary counts & views

LOSDMS: Data Repository

Data counts from imported data as of 07/18/2011

- Approximately 31,537 data records
- Approximately 55 unique data forms

LOSDMS: Data Repository

Example data forms. To see more data sheets go to <http://losco-dwh.com/viewworkplans.aspx> and view the public workplans. Data sheets are embedded in the posted workplans.

The image shows three overlapping forms for an Oyster Habitat Site Survey. The forms are titled "Deliberative Draft-Pre-Decisional Document - Vers. 7/30/2010" and "Albatross Work Product Privileged, Common Interest Privileged".

Form 1 (Left): Oyster Reef Sample Form [Print Double-Sided]. It includes fields for Survey Team ID, Location Type (Tier 1, Tier 2 A, Tier 2 B, or Tier 2 C), Site Name/Cell Number, Lat, Long, Reference MAP #, and GRID. It also has sections for Physical/Chemical Parameters (Bottom Salinity, Air Temperature, Bottom Temperature, Bottom Dissolved Oxygen, Weather Conditions) and Sampling Methods (Sampling Method, Dredge). A table for Abundance is at the bottom, with columns for < 25 mm SH (Spur), 26 - 74 mm SH (Seed), and > 75 mm (unusable size).

Form 2 (Top Right): Oyster Habitat Site Survey [Print Double-Sided]. It includes fields for Survey Team ID, Site Name/Cell Number, Lat, Long, Reference MAP #, and GRID. It also has sections for Physical/Chemical Parameters and Sampling Methods.

Form 3 (Bottom Right): This form is partially obscured but shows a section for "Distance from origin" and "Indicate start and stop of oyster habitat in m". It has a table with columns for "W" and "E" and rows for "W" and "E". Below this is a section for "Subsample location per transect" with fields for Lat, A Long, B Lat, and B Long. It also has a section for "Trans 4: A Lat, A Long, B Lat, B Long".

LOSDMS: Data Repository

Example data forms. To see more data sheets go to <http://losco-dwh.com/viewworkplans.aspx> and view the public workplans. Data sheets are embedded in the posted workplans.

NRDA Shoreline/Vegetation Preassessment Data Sheet: Deep Water Horizon Incident, p. 1 of 2
 Team: _____ Station: _____

1 Date: _____ Time: _____ (military time) Tide Height: L M H
 Marsh Flooding: _____ cm

NRDA Shoreline/Vegetation Preassessment Data Sheet: Deep Water Horizon Incident, p. 2 of 2
 Team: _____ Station: _____ Date: _____

8 Presence of oil on sediment (check one) Yes No N/A if flooded

Band 1	Band 2	Band 3
Sediment Oil Band Width: _____ cm	_____ cm	_____ cm
Sediment Oil Penetration Depth: _____ cm	_____ cm	_____ cm
Sediment Oil Distribution: _____ %	_____ %	_____ %
Sediment Oil Thickness (circle one): **FL ST CT CV PO	**FL ST CT CV PO	**FL ST CT CV PO

Sediment Oil Type*
 *Fresh, Mousse, Tar, Asphaltenes, Tar Balls (>10 cm), Mousse Patches (10-60 cm), Mousse Mats (>50 cm)
 **FL-Film ST-Stain CT-Crust CV-Cover PO-Pooled

9 Presence of oil on water (check one) Yes No (If yes continue below)

Biological	Silver	Rainbow	Droplets	Globules
Distribution (%): _____	_____	_____	_____	_____
Distance to vegetated line (cm): _____	_____	_____	_____	_____

10 Release of oil to water when sediments disturbed (check all that apply):
 Surface Expression: None Silver Rainbow Droplets

11 Observation of Disturbance Caused by Response Activities (check one): Yes No
 (If yes, then take photo(s) of disturbance)
 Photo Number(s): _____
 Description of Disturbance: _____

12 Presence of Fauna/Wildlife (check one): Yes No
 Notes (where found and observations. Oiled? Un-oiled? Oiling undetermined? Live? Dead?): _____
 Photo Number(s): _____

13 Samples collected (if yes, include waypoint, lat/long, matrix, analysis): Yes No
 Reason: _____
 Note: Samples collected must be logged on sample data sheet and kept under chain of custody

14 Notes: _____

15 Signatures for Field Quality Assurance and Legibility:
 Responsible Party Representative: _____
 Federal Representative: _____
 State Representative: _____

(If yes, continue below)

vegetation)

LOSDMS: Data Repository

Example Screens

The screenshot displays the LOSDMS web application interface. At the top left is the logo for LOSDMS (Louisiana Oil Spill Data Management System). At the top right are links for 'Logout', 'Release Version: 4.6', and 'Go to WorkPlan'. Below the header is a navigation bar with 'LOSDMS Portal', 'Search', and 'Summary'. The main content area is titled 'Form Data Search'. It features a search form with the following fields: 'Workgroups' (dropdown), 'Data Phase' (dropdown), 'Form Name' (dropdown), and 'Trip Date Range' (two date input boxes with a 'to' separator). There are also 'Location' fields for 'Lat' and 'Long'. 'Search' and 'Export' buttons are located below the form. Below the form, a message states 'Showing 1000 of 2790 Records. Please Export to see all the data.' Below this message is a table with the following columns: 'Select', 'TWG', 'Phase', 'Form Name', 'Trip Date', 'Lat', and 'Long'. The table contains three rows, each with a green arrow icon in the 'Select' column.

Filters:

Workgroups: Location: Lat Long

Data Phase:

Form Name

Trip Date Range to

Showing 1000 of 2790 Records. Please Export to see all the data.

Select	TWG	Phase	Form Name	Trip Date	Lat	Long

LOSDMS: Data Repository

Example Screens

The screenshot displays the LOSDMS web application interface. At the top left is the logo for LOSDMS (Louisiana Oil Spill Data Management System). At the top right are links for Logout, Release Version: 4.6, and Go to WorkPlan. Below the header is a navigation bar with 'LOSDMS Portal', 'Search', and 'Summary'. The main content area is titled 'File Collection Details:' and features a tabbed interface with 'Attachments' selected. Below the tabs is a table with two columns: 'File Type' and 'File Name'. The table lists various file types such as 'Observation Field Data Form', 'Chain of Custody', 'GPS File (gpx)', 'GPS File (gdb)', 'Original Image Files (zip)', 'Photo Logger Document', 'Daily Summary', 'Upload Notes', and 'Readme Notes'. At the bottom of the page are five logos: DEQ Louisiana, Louisiana Wildlife & Fisheries, CPRA, Louisiana Department of Natural Resources, and the Department of Public Safety Oil Spill Coordinators Office.

LOSDMS : Louisiana Oil Spill Data Management System

Logout
Release Version: 4.6
Go to WorkPlan

LOSDMS Portal Search Summary

File Collection Details:

General	Attachments	Forms	Images
File Type	File Name		
Observation Field Data Form			
Chain of Custody			
GPS File (gpx)			
GPS File (gdb)			
Original Image Files (zip)			
Photo Logger Document			
Daily Summary			
Upload Notes			
Readme Notes			

DEQ LOUISIANA

LOUISIANA WILDLIFE & FISHERIES

CPRA

LOUISIANA DEPARTMENT OF NATURAL RESOURCES

DEPARTMENT OF PUBLIC SAFETY OIL SPILL COORDINATORS OFFICE

LOSDMS: System Requirements

- Database: SQL Server 2008 R2
- Code language: ASP.NET - Framework 3.5
- SSL Certificates
- FTP Server