

# The Marine Pollution Studies Laboratory

at Moss Landing Marine Laboratories



## The MPSL Data Management System

The Data Center at the Marine Pollution Studies Laboratory (MPSL) offers online data entry and retrieval tools that allow you to record field collections, report data using standard or custom-built queries, and upload to the California Environmental Data Exchange Network (CEDEN). Easily manage your data without the hassle of in-house SQL server or Microsoft Access databases while utilizing MPSL's experienced staff to facilitate and customize your project's data management.

### Secure Access

User login provides privacy and direct access to your data - customized to your project's needs. Permissions may be set to allow or limit access to data at all levels.

### Broad Scope

Proven, stable structures store the following data types:

- Chemistry and toxicity testing results (water, sediment, and tissue)
- Field and habitat (observational) measures
- Marine and freshwater taxonomy results
- Bioassessment data

### Flexibility



- Weekly transfers of publicly available data to CEDEN
- Options for securely maintaining proprietary data for private use
- Easily created table structures (e.g., time series, narrative permit data)

### Support

- The next page highlights some of the tools, services, and resources provided by MPSL

### MPSL: Not Just Storage

MPSL provides comprehensive data management services.

<u>Service</u>	 CEDEN	 MPSL
DATA ENTRY TRAINING		●
DIRECT ENTRY OF FIELD DATA		●
REVIEW/REVISION OF DRAFT DATA		●
THIRD PARTY DATA VERIFICATION AND VALIDATION		●
PROJECT-SPECIFIC DATA REPORTING AND ANALYSIS		●
DATA STORAGE	●	●

## MPSL's Online Data Tools

### Forms

#### *Online data entry and LookUp vocabulary forms*

- Direct entry of sample and field data by field teams
- Add new *LookUp* vocabulary while undergoing CEDEN review

#### *Online data checker and file tracking forms*

- Direct submittal of laboratory data for loading via Microsoft Excel templates
- Check the project status, submittal, loading, and transfer to CEDEN

#### *Online query forms*

- Standard and custom-built queries allow you to batch-export data for analyses, reporting, and quality assurance checks

### Webinars

Online seminars on the MPSL data management system can be found at:

<https://mpsl.mlml.calstate.edu/data-analysis-tools/#OnlineData>

## Other MPSL Projects

To date, MPSL has managed data for the following environmental programs and projects:

- Central Coast Cooperative Monitoring Program for Agriculture
- Cities of Capitola, Salinas, and Watsonville
- Monterey Bay National Marine Sanctuary
- Morro Bay National Estuary Program
- Surface Water Ambient Monitoring Program
- Tahoe Regional Planning Authority
- Total Maximum Daily Loads for the Central Coast, Lahontan, and Colorado River Regional Water Quality Control Boards
- Upper Owens River Water Quality Project

## More Information

### Additional Services

- Calculation of metrics and indices such as the California Stream Condition Index (CSCI) and the Index of Biological Integrity (IBI) for bioassessment data
- Customized training of field and laboratory personnel so that data is collected and reported correctly and efficiently
- Verification, validation, interpretation, and troubleshooting of project data

To learn more about the MPSL Data Center and its data management system, please contact Marco Sigala at 831-771-4173 or [msigala@mlml.calstate.edu](mailto:msigala@mlml.calstate.edu)

