

# 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)

### Not Just Storage

MPSL provides comprehensive data management services...

Service		
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	●	●

# Data Support Services

## Online Data Tools

### *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>

## Additional MPSL Services

- Calculation of metrics and indices such as the California Stream Condition Index (CSCI), Algae Stream Condition Index (ASCI), and the Index of Biological Integrity (IBI) for bioassessment data
- Customized training of field and laboratory personnel so that data are collected and reported correctly and efficiently
- Verification, validation, interpretation, and troubleshooting of project data
- Comprehensive quality assurance (QA) services, including QA project plan (QAPP) development
- Overall project management and logistical support services
- Field water quality and bioassessment sampling in marine bays and estuaries and freshwater streams, rivers, and lakes

## Other MPSL Projects

MPSL manages data for the following:

- Central Coast Cooperative Monitoring Program (CMP) for Agriculture
- San Francisco Bay Regional Monitoring Coalition (RMC)
- Surface Water Ambient Monitoring Program (SWAMP)
- Central Coast Long-term Environmental Assessment Network (CCLEAN)
- Various MS4, TMDL, and Stormwater programs
- Sierra Pacific Industries (SPI)



An MPSL stream bioassessment



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