

# Algal Lab Orders

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space for example download files....

## The Lab Orders File ([Return to Top](#))

**File Name: - USGS\_BioData\_Lab\_Orders\_yyymmdd\_tttt**

The Lab Order file contains a list of all of the lab orders selected for downloading.

### Note

The LabOrderID **must** be included in the result data file that is uploaded to BioData when data are released. LabOrderID links the lab order (and field sample) to the result data uploaded by the lab.

### Warning

If you import the Lab Order file into Excel the SiteNumber must be imported as text to preserve leading zero's

Attribute	Description For Lab
<b>File: USGS_BioData_Lab_Orders_yyymmdd_tttt</b>	
LabOrderID	BioData System-generated Integer assigned as an identifier for a Lab Order. A Lab Order is comprised of the one or more containers that are processed according to requested procedures.
SIDNO	Sample ID Number (SIDNO) is a unique and immutable sample identifier that is automatically created by the system. A prefix of BDB designates BioData as the source of the identifier.
ProjectID	System-generated, unique, immutable, non-editable code that uniquely identifies a project within the BioData system
ProjectLabel	ProjectLabel is a short, unique name associated with and identifying a specific BioData Project. The BioData Project is the atomic unit to handle data permissions, allow access to samples, assist in enforcement of business rules, and for documentation, management and monitoring of data collection activities. All Field Samples, Study Reaches, and Lab Orders in BioData belong to a Project.
ProjectName	Long name associated with and identifying a specific BioData Project. The BioData Project is the atomic unit to handle data permissions, allow access to samples, assist in enforcement of business rules, and for documentation, management and monitoring of data collection activities. All Field Samples, Study Reaches, and Lab Orders in BioData belong to a Project
Program	National, regional, or local program for which these data are collected. This field may be blank if no program applies
SiteNumber	USGS National Water Information System (NWIS) 8 to 15-digit identifier for the place for where sample was collected.
SiteName	USGS National Water Information System (NWIS) name for the place where sample was collected
StudyReach	Length of stream selected for sampling purposes. Unique in BioData by Project and Site.
CollectionStartDate	Date and time at which the sample was collected; format is mm/dd/yyyy hh:mm:ss; hh uses 24-hour clock.
ProjectAssignedSampleLabel	A unique label or code assigned to the Sample by the Project (unique within a Project); maximum length is 20 characters.
PlacedDate	Date and time at which the lab order was placed in the BioData system; format is mm/dd/yyyy hh:mm:ss; hh uses 24-hour clock.

LastModifiedDate	Date and time (mm/dd/yyyy hh:mm:ss ) at which a field in the lab order was last modified in the BioData system format is mm/dd/yyyy hh:mm:ss; hh uses 24-hour clock.
LabAnalysisProcedure	Name of the processing methods requested for the lab order.
SampleType	BioData short name for the Field Sample collection and field processing methods. The BioData Sample Type also references the biological community sampled and the published protocols.
ScienceCenter	USGS entity that has principal responsibility for managing and executing the project to which this lab order belongs.
ContactName	USGS contact person name
ContactPhone	USGS contact person phone
ContactEmail	USGS contact person email
NumberOfContainers	The number of discrete portions of a field sample (physical containers) that are part of this lab order.

## The Containers File [\(Return to Top\)](#)

**File Name: USGS\_BioData\_Containers\_yyyymmdd\_tttt**

The container file is a list of all of the containers needed to satisfy the analyses requested in the lab order file.

Attribute	Description For Lab
<b>File:</b> <b>USGS_BioData_Containers_yyyymmdd_tttt</b>	
LabOrderID	BioData System-generated integer assigned as an identifier for a Lab Order. A Lab Order is comprised of the one or more containers that are processed according to requested procedures.
ContainerID	BioData System-generated integer assigned as an identifier for a sample Container.
Component	Growth form represented: Microalgae; Macroalgae.
Bottle	Character (A, B, C, etc...) that uniquely identify the container (includes bottles, filters, etc) within a Field Sample.
Preservative	Solution (such as ethanol, formalin) added to preserve the sample material.
Comments	Notes about the container and the material within.
SubsampleVol_ml	Volume of sample removed from the composite for a particular lab analysis procedure. Subsample volume is measured before any preservative is added.
DecantVol_ml	Volume remaining after excess liquid was removed (decanted) from a preserved subsample to concentrate solids (algae).
PreservativeVol_ml	Volume of preservative added to the subsample before submitting for taxonomic analysis.
ShippedVol_ml	Volume of sample when shipped and used to confirm volume received. Shipped Volume is equal to SubsampleVol plus PreservativeVol unless Subsample has been decanted.

## The Site File [\(Return to Top\)](#)

**File Name: USGS\_BioData\_Site\_yyyymmdd\_tttt**

The site file is a list of USGS sites where the samples referenced by the lab order file were collected.



### Warning

If you import the Site file into Excel SiteNumber, Latitude\_ddmmss, and Longitude\_dddmmss must be imported as text to preserve leading zero's

Attribute	Description For Lab
<b>File:</b> <b>USGS_BioData_Site_yyyymmdd_tttt</b>	

SiteNumber	USGS National Water Information System (NWIS) 8 to 15-digit identifier for the place for where sample was collected
SiteName	USGS National Water Information System (NWIS) name for the place where sample was collected
CountryCode_FIPS	Country Code (Federal Information Processing Standard (FIPS))
StateName	State name (Federal Information Processing Standard (FIPS))
State_USPS	US Postal Service State/Possession abbreviation
State_FIPS	Numeric FIPS code for the State
CountyName	County name (Federal Information Processing Standard (FIPS))
County_FIPS	Numeric FIPS code for the County
Latitude_dd	Site Latitude in decimal degrees
Longitude_dd	Site Longitude in decimal degrees
CoordinateDatum	Datum used for Latitude and Longitude
Latitude_ddmmss	Latitude of the site in degrees, minutes, and seconds. Seconds may be entered to 100ths of a second. Leading zeros may be present.
Longitude_dddmmss	Longitude of the site in degrees, minutes, and seconds. Seconds may be entered to 100ths of a second. Leading zeros may be present.
Elevation_ft	Elevation above NGVD 1929, in feet