

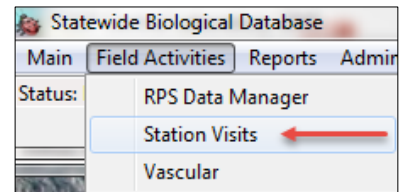
User Guide for SBIO2: Station Visit Module

Introduction

The Station Visit module of the SBIO2 interface replaces the 'Add New or Edit Sample' functionality in the legacy 4th Dimension interface. With the implementation of this module, the former SBIO term 'Sample' is retired as the indicator of a group of containers collected at a single site for data analysis. The new interface will use the term 'Station Visit' to avoid confusion associated with the Central Laboratory's use of the term 'sample' and to align more closely with the data structure in STORET.

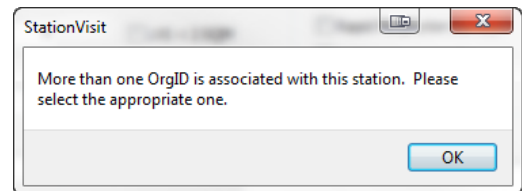
Getting Started

Once the SBIO Administrator has assigned the Station Visit module, select it from the *Field Activities* menu. An empty grid with a variety of search criteria will be displayed, along with options for manipulating rows in the grid and creating a new visit.



Create New Station Visit

Click the New Visit button to display the form for entering the visit metadata. The station associated with the new visit must have already been entered into the oracle table; you may search for it by its STORET ID or Nickname. When a station is selected, the STORET OrgID associated with it will be displayed. If there is more than one, the program will display an alert and prompt the user to select the appropriate one.

A screenshot of the 'Create New Station Visit' form. It includes search criteria for 'STORET Station ID' and 'Station Nickname'. A list of stations is shown, with '33040049' selected. Below the list, the 'STORET Station' is '33040049' and the 'STORET Org ID' is '21FLCMP'. The 'Visit ID' is blank. The 'Visit Date' is set to '12:00:00 AM'. The 'Station Nickname' is 'G4NW0023'.

Once the station is selected, some of its attributes are displayed in the non-editable fields below. These items should never need to be modified once the visit record is stored. The Visit Date is initially blank and must be updated along with the time, which is optional. The time defaults to 12:00 AM, so afternoon sample times should indicate 'PM'.

Additional metadata is entered below the station and date. Required fields include the Visit Date, Survey, Principal Collector and Salinity Type. Optionally, three additional team members may be added; the list is restricted to active SBIO collectors. Indicators of the sample types collected may be entered here; note that if the *LVS < 2 SQM* box is checked the box for macrophyte samples will be disabled.

Click the *Save* button to store the record. A form will be displayed to show the new Visit ID.

A screenshot of the 'Station Visit' form. It includes fields for 'Owner Group: 20', '*Survey' (BASIN STUDIES), '*Salinity Type' (Fresh), '*Collector' (Casoli, Robin), and 'LVS < 2 SQM' (checked). There are also fields for '2nd Team Member', '3rd Team Member', and '4th Team Member'. A 'Sample Types to Collect' section includes checkboxes for Benthos, Periphyton, Phytoplankton, Macrophytes, Rapid Periphyton Survey, Habitat Assessment, and Phys-Chem Parameters. A 'Comments' text area is at the bottom right.

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Search for Existing Visits

There are several search criteria that can be used to retrieve existing station visits. Those based on some of the visit attributes are displayed to the left. The STORET Station ID and Station Nickname are wildcard queries so a part of the search string may be entered. They are designed to work together to filter the station visits to retrieve. If a new criterion is added to an existing set, the *Find* button must be pressed to re-execute the query. Note that the *Use Date Range* box must be checked to add that filter to the retrieval.

Visit ID	Station Nickname	STORET Name	OrgID	Owner ...	Sample Date	Survey
71352	BAKER5	19010018	21FLA	3	5/1/2013	TMDL STUDIES
72112	BAKER5	19010018	21FLA	3	11/7/2013	TMDL STUDIES
36611	LITSTMAREF	19010046	21FLA	3	1/7/2004	TMDL STUDIES
73175	BRANDY121	19010063	21FLA	3	8/5/2014	TMDL STUDIES
72190	CEDARUNK	19010071	21FLA	3	11/21/2013	TMDL STUDIES
73057	CEDARUNK	19010071	21FLA	3	7/9/2014	TMDL STUDIES
73147	STMARY120	19010078	21FLA	3	7/30/2014	TMDL STUDIES
74135	STMARY120	19010078	21FLA	3	4/6/2015	TMDL STUDIES

Another way to retrieve station visits is to use the Visit ID number(s). This may be done by manually entering the Visit IDs or importing them from a text file. This file must have a single Visit ID on each line. When using this option, check on the *Find by ID* box before clicking on the *Find* button to initiate the retrieval.

Note that the *Find by ID* search does not work with the visit attribute search criteria and if the box is checked the program will clear them.

Edit Existing Visits

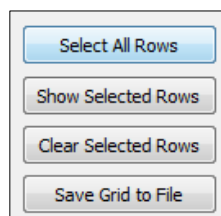
Once the station visit retrieval has populated the grid, double-clicking a row will display the form for editing visit metadata. Visit information may only be edited by a member of the owner group, the Administrative group (1) or the Systems group (20). The station and date are never allowed to be edited but members of the groups mentioned above may update any of the other visit attributes. The Owner Group and Your Group are displayed on the form – if your group does not match the owner group and it is neither 1 nor 20, all of the potentially editable fields will be disabled as shown in the screen shot.

When a modified record is saved, a verification message will be displayed.

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Manipulation of Records in the Grid

After the grid is populated with records, they may be sorted by several of the data elements by clicking on the column headers. These include the Visit ID, Station Nickname, STORET Name, OrgID, Owner Group, Sample Date, Survey, County, Planning Unit and Bioregion. Also, the column widths are adjustable and the program will remember them once they are changed.



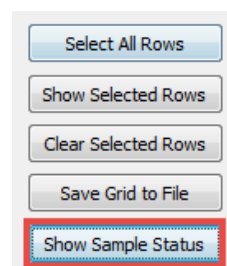
The series of buttons displayed here is used to customize the list of records for ease of viewing or export. The *Save Grid to File* button prompts for a save location and creates a tab-delimited text file.

Show Sample Status

The status of samples associated with selected station visits can be viewed to monitor progress. Once the visits of interest are selected, the *Show Sample Status* button will display a grid that lists the types of communities (or P-Chem) sampled, an identifier if

Visit ID	Community	Community ID	Gear/Version	Owner Group	Status
74438	Benthos	43756	D-FrameX20	2	A
74438	HABITAT ASSESSMENT	12479	FD 9000-5	11	A
74438	Macrophytes	9087	LVS	11	A
74438	Phytoplankton	22661	WaterBottl	2	A
74438	RPS	7364		11	A
74440	Benthos	43644	D-FrameX20	2	A
74440	HABITAT ASSESSMENT	12480	FD 9000-5	3	A
74440	P-CHEM			3	
74440	RPS	7209		3	C
74472	HABITAT ASSESSMENT	12563	FD 9000-6	6	A
74472	Macrophytes	9116	LVI_Method	6	V
74472	P-CHEM			6	
74472	Periphyton	26111	Peri-NS	2	A
74526	HABITAT ASSESSMENT	12527	FD 9000-6	6	A
74526	Macrophytes	9017	LVI_Method	6	A
74526	P-CHEM			6	

applicable, the owner group and the status of that sample.



The status flags may be interpreted as follows:

A – Data have been reviewed and approved and calculations performed

C – Data have been entered but have not been reviewed

V – A sample has been set up for this visit and community type but data have not yet been entered.

X – The sample has been cancelled.

Sample status records may also be manipulated just as described above for station visit records.