

## Tuna Assist System Entering Environment Data

There are 2 different screens to enter in Environment Data, the first method is using the Site Environment Monitoring Screen and as the name suggests that its for the whole site location and not to an individual cage.

The screenshot shows the 'Site Environment Monitoring' window with a blue title bar and standard Windows window controls. The interface has a tabbed menu at the top with 'Details' selected. Below the tabs are input fields for 'Company Name' (with a question mark icon), 'Site Name', and 'Monitor Date' (set to 20/05/2006). The main area contains two columns of depth-based input fields: 'Temperature' and 'Salinity' for depths of 0m, 1m, 3m, 5m, 10m, and 15m, each with 'am' and 'pm' sub-fields. To the right of these is a 'Dissolved Oxygen' section with fields for 0m, 3m, and 5m. Further right is a 'Halocline Depth(m)' field. A 'Comment' text area with a '>>' button is below the DO fields. At the bottom left is a 'Monitor Time' field. A button labeled 'Extra Parameters' is centered at the bottom. The footer contains a row of navigation buttons: '<|>' (with 'K' in the first box), 'Save', 'Find', 'Delete', 'Reset', 'Print', 'Refresh', 'Cancel', 'Help', and 'Import'.

There are many additional pages to this screen for many environment fields.

The other method is the Cage Environment Monitoring Screen. Where this method has 2 screens to fill out the first being the Cage Environment Monitoring Screen

**Cage Environment Monitoring**

Date: 20/05/2006

Site Name: ?

Collector: ?

Comment: >>

Environment Items:

Location	Cage Id	Temp 1 (m)	DO (ppt)	DO (%)

Navigation: < | | >

Buttons: Add, Edit, Delete, (0)

Bottom Bar: [K] < > >| Save Find Delete Reset Print Refresh Cancel Help Import

This screen must be filled in with the date, site name and collector (the person who collected the data).

After saving the record you can then click on the add button which will open the Environment Item Screen

**Environment Item**

Date: 20/05/2006 ? Site Name: TEST

Collector: SYSTEM

Location: ?

Cage Id: ?

**Temperature / DO**

Temp 1 (m)		DO (ppt)		DO (%)	
Temp 5 (m)		DO (ppt)		DO (%)	
Temp 10 (m)		DO (ppt)		DO (%)	
Temp 15 (m)		DO (ppt)		DO (%)	

**Secchi Depth**

Inside (m) Outside (m)

**Weather Info**

Wind Direction: [None] Wind Speed (kn)

Tide (m) Cloud Cover (%)

Comment: >>

[K] [ < ] [ > ] [I]

[Save] [Find] [Delete] [Reset] [Print] [Refresh] [Cancel] [Help] [Import]

This is where you select the Location and the option of choosing a particular cage id.

There are 2 other additional screens for specific environment data and they are:

Phytoplankton Monitoring

**Phytoplankton Monitoring**

Location  ?

Sample Date

Sample Time

Sample Depth (m)

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Water Temp (c)

Secchi Depth (m)

Cell Count (per Litre)  Diatom Count (per Litre)

Dino Count (per Litre)  Ichthyotoxic Count (per Litre)

Dominant Diatom sp.

Dominant Dino sp.

Ichthyotoxic sp Present

Comment  >>

[k] [ < ] [ > ] [ >| ]

[ Save ] [ Find ] [ Delete ] [ Reset ] [ Print ] [ Refresh ] [ Cancel ] [ Help ] [ Import ]

And Benthic (Sea Bed) Monitoring

**Benthic Monitoring**

Details | Animals

Monitor Date 20/05/2006

Cage Id ?

Monitor Time 14:52

Visibility (m)

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Degree of Bioturbation (None)

Amt of Undulation (None)

Amt Natural Organic Detritus (None)

Sand Colour (None)

Grain Size (None)

Degree of Macroalgal Cover (None)

Degree of Seagrass Cover (None)

Degree of Sponge Cover (None)

Comment >>

[K] [ < ] [ > ] [ >I ]

Save Find Delete Reset Print Refresh Cancel Help Import