

Tuna Assist System Setting up a Catch Tow Intake

Step 1 Creating Tow Fish Ids

Open up the Fish Id Screen

The screenshot shows a software window titled "Growout / Tow Fish Id" with a "Details" tab selected. The window contains several data entry fields and buttons:

- Growout / Tow Fish Id**: Text input field.
- Current Cage Id**: Text input field.
- Came from Tow Fish Id**: Text input field with a "?" icon.
- Came from Year Class**: Text input field.
- Create Date**: Date picker set to 21/12/2004.
- Current Net No**: Text input field.
- Year Class**: Text input field with a "?" icon.
- Morts**: Text input field with value 0.
- Adjustments**: Text input field with value 0.
- Transfers Out**: Text input field with value 0.
- Transfers In**: Text input field with value 0.
- Catch / Tow Count**: Text input field with value 0.
- Current Fish No**: Text input field with value 0.
- Feed Total (kg)**: Text input field with value 0.00.
- Catch / Tow Biomass kg**: Text input field with value 0.00.
- Status (blank is Active)**: Dropdown menu set to (None).
- Date Status Changed**: Date picker set to 21/12/2004.
- Start of Season Information**: Section header.
- Start Weight (kg) (blank is 0)**: Text input field.
- Start Fish Count**: Text input field with value 0.
- Harvest Information**: Section header.
- Harvest Count**: Text input field with value 0.
- Total Whole Weight kg**: Text input field with value 0.00.
- Avg Whole Weight kg**: Text input field with value 0.00.
- Archive**: Dropdown menu set to No.
- Buttons**: Fish to Cage Assignments, Cage to Mooring Transfers, Catch / Tow Details, Health Assessment, Fish Count Adjustments.
- Navigation**: Back, Forward, Home, End buttons.
- Function Buttons**: Save, Find, Delete, Reset, Print, Recalc, Cancel, Help, Import.

Growout / Tow Fish Id Field

Growout / Tow Fish Id field refers to a Batch identifier that allows you to quickly identify the origin, the type and sequence of the intake of fish.

le good fish ids naming convention YEAR, TYPE, BATCH NO or Cage No.

For example 05G01 represents 05 year intake, G means that this is a growout fish id (meaning that these fish came from a Catch Tow) and 01 represents the first transfer of fish out of that Catch Tow, or can represent the Cage Id.

Its good to use 2 types of Fish Ids one being the Growout types and the other being the Catch Tow intake types, this practice ensures the difference between what happens before they are put into grow out cages on the farm.

There fore 05T61 represents 05 year intake, T represents that this is Tow Fish Id and 61 represents some kind of Government Allocation number.

Came from Tow Fish Id

The came from Tow Id is only filled out for your Grow out fish ids. If you have many different Tow Ids then use the one with the most fish transferred to this Grow out fish id.

Create Date Field

Its important to under the create date and using the correct one for different fish ids they are:

Tow Fish Id Create date should always be the date of the first capture of fish.

Growout Fish Id Create date should always be the first transfer date of the fish being transferred from the tow intake into the growout cage.

Year Class Field

This is used to group the different Fish Ids that you have in the system for example for

Tow Fish Ids you should represent them as TUNA INTAKE YEAR

Where the Year is the capture year ie 2005.

Growout Fish Ids should be represented as TUNA STOCK or GROWOUT YEAR

When creating these records you must choose the Item Type FISH STOCK in order to see these records in the list.

Status Field

Status field allows you to control the reporting of these fish ids and is defaulted to Active when you create a new fish id. If the fish id is only temporary and the fish count is 0 then you should make the fish id inactive. The Year Class roll over wizard will automatically assign any fish id in the system for that season to inactive if it has a 0 fish count.

Start Weight Field

For Tow fish Ids please make the start weight as 0 for the Growout fish ids you can enter an average weight for the cage at the start of the season or if you leave it blank then the Summary Farm report will automatically update this from the Catch / Tow intake data.

Step 2 Assign the Fish Ids to Cages

Assign the Fish Id to a Cage

On the Growout / Tow Fish Id Screen

Click on the Fish to Cage Assignment Button and select add.

Fish to Cage Assignment

Fish Id ?

Cage Id ?

Date Assigned ▼

Cage Size (m)

Start Fish Count

Transfers Out

Harvest Count

Current Fish Count

Current Net No

Days Assigned

Morts

Transfers In

Feed Total (kg)

Date Un-Assigned ▼

Comment >>

Harvest Information

Total Whole Weight kg Avg Whole Weight kg

Archive ▼

Morts	Harvest / Sales	Feeding / Movements
Transfers Out	Transfers In	Net Changes
Cage Conditions	Harvest Condition Index	

[K] [<] [>] [>|]

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

Simply select a Cage Id record to assign this fish id to and choose a date for based either a date of first capture for a Tow fish id or date of first transfer for a Grow out fish id.

Step 3 Create the Catch Tow Details Record

Catch Tow Details Screen

From the Growout / Tow Fish Id Screen click on the Catch / Tow Details button and select Add

This screen is where you record all the details for that tow intake and importantly the starting number of fish and average weight for the season intake.

Very important this does not show the fish being transferred you must create Growout fish ids records and fish to cage transfer records before you can transfer fish from this screen

Step 4 Create Grow Out Fish Ids Records

Create your Grow out Fish Id records by using the Grow out / Tow Fish Id Screen and this time use information that relates to the grow out such as date of first transfer as the create date, Year Class of TUNA GROW OUT YEAR . Refer to Step 1 on creating Grow Out fish Ids.

Step 5 Assign Grow Out Fish Ids to Cages

Create you Fish to Cage Assignment records for your Grow out Fish Ids as per Step 2 and ensure the date is for the first transfer date.

Step 6 Transfer fish from your Tow Fish Id to your Grow Out Fish Ids

Click on the Cage to Cage Transfers Screen from the Fish transfers Menu Button

The screenshot shows the 'Cage to Cage Transfer' window with the following fields and controls:

- Job No (auto assigned): [Yellow]
- Transfer Date: [21/12/2004]
- Transferring From Fish Id: [?]
- Fish Count: [0]
- Cage Size (m): [Yellow]
- Transferring From Cage Id: []
- Transfer Type: [(None)]
- Transferring To Fish Id: [?]
- Fish Count: [0]
- Cage Size (m): [Yellow]
- Transferring To Cage Id: []
- No of Fish to Transfer: []
- Person Responsible: [?]
- Job Time (mins): []
- Comment: []
- Archive: [No]
- Buttons: [Save], [Find], [Delete], [Reset], [Print], [Recalc], [Cancel], [Help], [Import]

This screen allows for several types of transfers to be performed they are:

Tow Cage to Grow out Cage normally done at the start of the season.

Tow Cage to Tow Cage also done at the start of the season but is used only for moving fish from 1 tow cage to another and does not affect any starting fish counts or starting weight of a grow out cage.

Grow out to Grow out Cage can be done at any time during the season and only affects the fish count from the transfer date.

Choose the Tow Cage to Grow Out Cage transfer type for this procedure and enter the number of fish to transfer. You will then see the fish counts go up and down on the from and to and on the Grow Out / Tow Fish Id screen you will also see the Starting Fish Count for your Grow out Fish Id.

Step 7 Assign the Grow Out Fish Id to a Mooring

The final step is to assign the Fish Id / Cage Id to a Mooring so they can be feed.

Select the Cage to Mooring Screen from the Fish transfer Menu Button

The screenshot shows the 'Cage to Mooring Transfer' window. The 'Details' tab is active, displaying various fields for data entry. The 'Fish Id' field is empty with a help icon. The 'Date Moved' is set to 21/12/2004. The 'Cage Id' field is empty. The 'Fish Count' is 0, highlighted in red. The 'Status' is highlighted in yellow. The 'Current Net No' and 'Cage Size (m)' are also highlighted in yellow. The 'Date Assigned' is set to 21/12/2004. The 'Person Responsible' field is empty with a help icon. The 'Moving from Cage Position' field is empty with a help icon. The 'Moving from Site Name' field is empty. The 'Moving to Cage Position' field is empty with a help icon. The 'Moving to Site Name' field is empty. The 'Feed Total (kg)' is 0.00, highlighted in cyan. The 'Archive' dropdown is set to 'No'. Below the form area are two buttons: 'Feeding Trips' and 'Dive Records'. At the bottom of the window is a toolbar with buttons: 'K', '<', '>', '>|', 'Save', 'Find', 'Delete', 'Reset', 'Print', 'Recalc', 'Cancel', 'Help', and 'Import'.

Select your Grow out Fish Id and make the date assigned to the last transfer date.

The moving from mooring id and moving to mooring id can be the same if you have positioned your tow cage id along side the grow out cage, else the moving from mooring id could be a dock and the transfer is from there and then the cage is towed out to the mooring.