



# FISH PASSAGE CENTER

1827 NE 44<sup>th</sup> Ave., Suite 240, Portland, OR 97213

Phone: (503) 230-4099 Fax: (503) 230-7559

<http://www.fpc.org/>

e-mail us at [fpcstaff@fpc.org](mailto:fpcstaff@fpc.org)

## MEMORANDUM

TO: SMP Personnel  
Tim Dykstra (COE)  
Gary Fredricks (NOAA)

FROM: Michele DeHart

DATE: December 11, 2008

RE: Summary of December 5, 2008 FPOM meeting regarding SMP Fish Condition touchscreen layout and functionality.

We would like to thank everyone for coming to the meeting on December 5, 2008 regarding the SMP Fish Condition touchscreen layout and functionality. We feel that the meeting was very productive and are encouraged by the agreements met throughout this process. Below is a list of the items that were discussed, followed by a brief explanation of what the FPC personnel will do to the program to address these concerns.

### **Touchscreen Layout:**

There several comments regarding the layout of the buttons on the Fish Condition touchscreen. Below is a list of each of these comments, followed by an explanation of how they have been dealt with (***bold italics***). At the end of this memo is a screen shot of the finalized layout of the Fish Condition touchscreen.

1. Length should be a mandatory data field for each condition fish before it can be saved → ***Species and length are now mandatory for each individual record. If either of these two fields is left empty when the record is saved, the user will get an error message indicating this.***

2. Incidental species should be alphabetized in Pop Up window, both for salmonid fallbacks and for miscellaneous incidentals → *All incidental species are now alphabetized with the common name stated first, followed by the descriptive name (e.g., Dace, longnosed). Also moved kokanee into Salmonid Fallback incidental Pop Up and removed unnecessary incidental species (e.g., bulltrout adult, lamprey juvenile, etc.)*
3. Rearrange conditions buttons to make more frequently used buttons closer to the save buttons and less frequently used buttons further away. → *Species buttons were moved to the bottom two rows of the condition screen, along with the special species codes and incidentals. The 3<sup>rd</sup> row has buttons for the different marks (AV, LV, CWT, Brand) and buttons for entering or clearing weight and length data. The 4<sup>th</sup> row contains the buttons for descaling data and predation marks. The 5<sup>th</sup> row contains the buttons for the “Injury” category, as well as “Other Injury” category. The 6<sup>th</sup> row contains buttons for the “Disease” category, as well as buttons to indicate whether the fish was sampled from Tank A or Tank B. The 7<sup>th</sup> and 8<sup>th</sup> rows contain buttons for the Elastomer tagging, each of which has been color coded to correspond to the color of the elastomer tag. These two rows also contain the buttons used for identifying which subbatch the sample is taken from, as well the button for any general comments about that fish.*
4. In general, there was concern that the buttons were too small for fingers to use and that the font was too small to read. → *We have made the font in each of the buttons bigger, as well as making it BOLD. We made several changes to the layout of the Fish Condition screen to address the button size issue. First, we reduced the size of the larger “Comments” buttons. Second, we eliminated several unnecessary buttons. The buttons that were eliminated include: 1) Clear Disease, 2) Clear Injury, 3) Clear Predation, 4) Clear Descaling, 5) Clear Other Condition, 6) Clear Elastomer, and 7) Clear Special Species. The combination of elimination of these buttons and rearranging the layout of the buttons allowed us to increase the size of the remaining buttons to ??x??, which is larger than the industry standard.*
5. The buttons for descaling should turn white like the other condition buttons. → *The functionality of the descaling buttons have been switched to toggles. This toggle function allows the user to push a particular condition button once to activate it. Once a condition is activated, the button will turn white. The user can push that same button again to inactivate it, which will turn it back to its original color. This functionality eliminates the need for a “Clear” button for that condition. We have also made the Special Species Codes and Elastomer Tag buttons toggles, which eliminated the need for their “Clear” buttons.*
6. There is no way to identify whether a condition fish was sampled in Tank A or Tank B. → *We have added two buttons (Tank A and Tank B) to the layout. If the site has separator tanks, the user should indicate the correct tank for the first fish. Subsequent fish will default to this tank, until the user specifies that a different tank is being used.*
7. Move the number pad for length data to the bottom middle of the screen (i.e., swap the number pad with the section with the Save, New, Cancel, Etc. functions. → *These two sections of the touchscreen have been swapped.*

### **Editing Condition Records before Submitting Data to FPC:**

Many of the SMP personnel had concerns about having the ability to review the condition data before it is finalized and submitted to FPC for posting. FPC personnel provided a brief explanation of how these data can be reviewed using the FPC32 program. Currently, the fish condition data can be sorted by a particular field (e.g., species) and reviewed for errors. In addition to the ability to review these records, FPC personnel will program this screen to allow users to manually correct any errors that are encountered in the records.

#### **Need for “New” Record Button:**

Each time a fish is sampled a new record needs to be added to the database by pressing the “New” button. Some of the SMP personnel recommended that a “Save-Add” button be used instead, which could eliminate one “push” per record. However, as the program is currently written, the “New” button is needed in order for a user to identify whether they want to add a new fish subsequent to saving a record. Subsequent to saving an entry, the user has one of four options, 1) creating a new record (“New”), 2) editing an existing record (“Edit”), 3) deleting an existing record (“Delete”), or 4) exporting all fish condition data (“Export”). If a “Save-Add” button was used instead, these other functions would be more difficult. At this time, the FPC does not intend to change the layout of functionality of this section of the touchscreen.

#### **Questions Regarding the Tallies:**

Many of the SMP personnel had questions about the tallies on the right-hand side of the Fish Condition touchscreen. FPC personnel envisioned these tallies as being tools that the individual sites could use in order to keep track of how many fish of each species/rear type had been sampled.

For example, the Hatchery/Unmarked tallies can be used by transportation sites. For barge loading purposes, the COE requires that 100 fish of each species/rear-type combination be sampled for weight and length data. Because not all unclipped fish are of wild origin, these tallies are programmed to identify and keep track of unclipped hatchery fish, based on other criteria (e.g., special species codes).

The Clipped/Unclipped tallies might be used by those sites that anticipate using the touch screens for the full sample, in addition to the fish condition subsamples. If sites choose to use the touchscreen for their full sample, these tallies will take the place of their “tallie-wackers” in the lab.

One concern among the SMP personnel was that these tallies take up too much room that could be better utilized for making condition buttons bigger. However, through eliminating unnecessary buttons and rearranging buttons, FPC personnel were able to free up room in the condition section to allow for larger buttons. At this point, FPC personnel do not intend to change these tallies.

L-Blue	L-Red	L-Green	L-Orange	L-Yellow	L-Pink	L-Purple	L-Other	Gen. Comments	Clr. Gen. Comments	
R-Blue	R-Red	R-Green	R-Orange	R-Yellow	R-Pink	R-Purple	R-Other	Subbatch	Clr. Subbatch	
Fungus	Columnaris	BKD	Parasite	Deformity	Other	DIP Comment		Tank A	Tank B	
Head Inj.	Eye Inj.	Operc.	Body Inj.	Fin Inj.	Inj. Comment	Pop Eye	Fin Hemm.	Pink Fin	Fin Discol.	
Partial Descale	Descale	Descale Pred.				Bird	Fish	Lamprey	Other	Pred. Comment
Clr. Mark	LV	RV	CWT	Brand Comment		Enter Weight	Clr. Weight	Enter Length	Clr. Length	
CH1-AD	CH0-AD	ST-AD	CO-AD	SO-AD	HO	EF	Fall Back Miscell.			
CH1	CH0	ST	CO	SO	LF	Fry	Miscellaneous Incidental Species			

Hatchery /Unmarked Tally:

CH1:  /   
 CH0:  /   
 ST:  /   
 CO:  /   
 SO:  /   
 Total:  /

Clip/Unclip Tally:

CH1:  /   
 CH0:  /   
 ST:  /   
 CO:  /   
 SO:  /   
 Total:  /

Special Species Tally:

Total HO:   
 Total EF:   
 Total LF:   
 Total Fry:   
 Total Incidental:   
 Total Sampled:   
 Total Tally:

Cond. Species:  S.Species:  Clip:  S/batch:  Tank/Trap:   
 Elast:  Color:  CWT:  Brand Comment:   
 Gen. Comment:   
 Predator:  Comment:   
 Injury:  Comment:   
 Other cond.:   
 Disease:  Comment:   
 Weight:  | Length:   
 Site:  Batch:  Date:  Record ID:  of

7	8	9	CE	Exit
4	5	6	.	Close
1	2	3	0	

New	Edit	Delete
Save (Cond)	Prev	Next
Save (Tally)	Cancel	Export