

MEMORANDUM

Steve Gutreuter



National Biological Service
Environmental Management Technical Center
575 Lester Avenue
Onalaska, WI 54650-8552

E-MAIL: sgutreuter@emtc.nbs.gov
TEL: (608) 783-7550 ext 58
FAX: (608) 783-8058

TO: LTRMP Fish Component Specialists and Team Leaders

SUBJECT: **DRAFT Amendment to Fish Monitoring Procedures: Recording turtle data and instructions for working with turtle data.**

DATE: June 4, 1996

The following *draft* procedures describe the coding of data from turtles that are captured incidentally in LTRMP nets. The final version of these procedures will be incorporated into the next revision of the LTRMP Fish Monitoring Procedures Manual. **Until that time, the final draft of this memorandum will be an official amendment to that procedures manual.**

Instructions for Coding Turtle Data

Observations on turtles that are captured incidentally in LTRMP fish sampling nets are coded on standard LTRMP Fish Data Sheets, as follows:

Field Name

Instruction

LTRMP Fish Collection Data Sheet

Total Number of Fish Collected	Read as "Total number of <i>organisms</i> collected" and record the total number of all organisms recorded on all LTRMP Fish Measurement Sheets used to record this sample collection.
--------------------------------	--

LTRMP Fish Measurement Data Sheet

Species Name	Record as per fish.
Species Code	Record as per fish.
Length	Record carapace length, measured to the nearest 1-mm.

TFS	Blank.
Weight	Blank or optionally record weight.
Fish Count	Record as per fish.
Working Tally	(Optional) Use as per fish.
PC	(Optional) Record as per fish.
Subproject	(Optional) Use as per fish.
User Defined Fields	Record gender in User Defined Field 11. Record "F" for female and "M" for male. Leave blank if gender is undetermined.
Number Fish on This Sheet	Read as "number of <i>organisms</i> on this sheet" and record the total number of organisms, regardless of taxon, that were recorded on this sheet.

Instructions for Identifying and Extracting Fish and Turtle Data

This incorporation of observations on turtles into the LTRMP fish data base makes in necessary for us to be able to separate data from turtles and fishes easily. I have modified my custom SAS format library to make that separation possible. The revised SAS code and data files are provided to all field stations for local use.

FORMATS.SAS: The SAS program *formats.sas* creates a custom format library for use with other programs that use LTRMP fish data. These custom formats can be used to produce descriptive labels in reports and analyses, or to compute certain quantities. Brief descriptions of all custom formats created by this program are written in the header block at the top of the program. This program uses the files *fishlist.txt*, *lwint.txt* and *lwslp.txt* as input, and creates the custom format library named *formats.sc2* as output.

To use this program, copy it into a directory in which you want to store the code. Copy *fishlist.txt*, *lwint.txt*, and *lwslp.txt* into the directory of your choice. Then edit *formats.sas* and insure that all *filename* and *libname* statements below the header block match the structure of your files (paths). Last, enter SAS, open *formats.sas* into the Program Editor and execute that program.

For information on general use of SAS formats, see the appropriate section of the SAS Language Guide. The format *txclass* can be used to separate data from fish, turtles and some crustaceans. Following are two examples of the use of this format.

Example 1. Selecting only fish data.

```
libname library 'c:\data\sysdata'; /* The custom format */
                                   /* library is stored in */
                                   /* \data\sysdata */
data a;
```

... read in LTRMP 'fish' data

```
taxgroup=put(fishcode,txclass.); /* Create a new variable*/
                                   /* named taxgroup and */
                                   /* assign the txclass. */
                                   /* format to it */
```

```
if taxgroup='Fish'; /* Select only fish data*/
run;
```

Example 2. Selecting only turtle data.

```
libname library 'c:\data\sysdata'; /* The custom format */
                                   /* library is stored in */
                                   /* \data\sysdata */
data a;
```

... read in LTRMP 'fish' data

```
taxgroup=put(fishcode,txclass.); /* Create a new variable*/
                                   /* named taxgroup and */
                                   /* assign the txclass. */
                                   /* format to it */
```

```
if taxgroup='Reptiles'; /* Select only turtle data*/
run;
```