Volume 2 Issue 7 October 1997

PTAGIS newsletter

PIT Tag Recovered Near Sitka, Alaska!

The PTOC received a copy of a letter from William R. Heard, the program manager for Salmon Population Interactions at the National Marine Fisheries Service's Auke Bay Laboratory in Juneau, Alaska. In his letter, Mr. Heard tells of a PIT Tag recovery from a chinook salmon that was caught (between June 22-24) by a fishing vessel at Inner Point near Kruzof Island (in the vicinity of Sitka).

We ran a "One Fish History" query on the Tag ID given: 203D792B7F. The fish was released from the Wells Hatchery on the Columbia River on April 26, 1995. There were no detections seen for this Tag ID at either of the two facilities (McNary and Bonneville subsample) that the fish would have passed during its downstream migration.

The recovery of this PIT Tag is the northernmost tag recovery to date known for the PIT Tag Information System. If you know of any other interesting tag recovery stories, please let us know!

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PTOC Operations Status

Data Center Operations

A new server was installed on July 28, 1997. The new server is a Sun Enterprise 3000. Performance statistics demonstrate that user reports run up to six times faster and database update events are three to four times faster than on the old server.

Data collection operations proceeded normally throughout the summer. The new validation and load procedures have been working without fail and have greatly improved the reliability of the data loading system.

As reported in the August newsletter (Vol. 2 Issue 6), the web-based One Fish History screen is now available for use. And, as reported in this newsletter, a new report feature will generate a listing of all PTAGIS data for a user-defined set of tag codes.

Lately, the PTOC has been asked by several invididuals about juvenile fish bypass facility operational issues. One typical question, for example, was "Were any PIT Tagged fish diverted to transportation raceways NOT transported?"

In order to determine the answer to this question, there are several sources of information users could check:

1. The Annual Fish Transportation Report published by the US Army Corps of Engineers in Walla Walla;
2. The Fish Passage Center's Weekly Reports;
3. The PTOC Event Logs; and
4. The individual juvenile fish facility log books.

The PIT Tag Steering Committee will be addressing this question and developing a central repository to share information about these events.

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Field Operations

Lower Granite Juvenile Bypass (GRJ)

On August 1, 1997 the A-side separator flume was dewatered indefinitely due to debris problems. This means that PIT tagged fish will ***only*** be detected on the B-SEPARATOR GATE monitor.

Lower Granite Adult Trap (GRA)

No unusual events were reported.

Little Goose Juvenile Bypass (GOJ)

On Sunday, July 13, 1997 the A-side slide gate efficiency dropped. Site personnel checked the gate and found it not operating. PSMFC personnel repaired the gate on Monday, Juy 14, 1997.

Lower Monumental Juvenile Bypass (LMJ)

On July 16, 1997, PSMFC made repairs on the B-side slide gate.

McNary Juvenile Bypass (MCJ)

Between August 30 and September 1, 1997 the B-side slide gate was down due to low air pressure. On the afternoon, of September 30, 1997 the juvenile fish bypass facility was de-watered due to mechanical problems with the screen cleaners. The facility was watered up at Noon on Tuesday, October 7, 1997.

John Day Subsample (JDJ)

The system was shut down for the season on September 8, 1997.

Bonneville (BVJ, BVX, B2J)

Twenty-four hour interrogation for PIT tags at Bonneville Dam Powerhouse 1 was reduced to 8 hours (16:00 - 24:00) per day, beginning on September 7, 1997. Powerhouse 2 interrogation was terminated as of September 6, 1997.

ISO Transition News

On September 22, 1997 the Transition Planning Team met and decided that a limited number of ISO monitors will be installed at McNary and John Day Dams for field studies during the 1998 out-migration season.

The Portable Transceiver Evaluation Team has been meeting regularly with Destron/Fearing regarding the development of portable transceiver prototypes. The prototypes are scheduled for delivery on November 15, 1997.

New Reporting Feature: "Register Tag ID File"

Have you ever had a list of tag codes and wanted all types of PTAGIS data available for these codes? Recently we added a new feature to the PTAGIS3 application that makes this type of data request easy. It is a new report type called "Register Tag ID File". This new report feature uses a file containing Tag IDs (one per line) to be used as a query restriction. The user can either create their Tag ID file using their database/spreadsheet and upload their file to the PTOC server (or ftp it to their "out" subdirectory) or they can create a CSV List of Tag IDs using one of our reports from the PTAGIS3 application. The next step is to register the Tag ID file (as shown in Figure 1).

Figure 1

If the user needs to upload the Tag ID file, *Kermit* and *Zmodem* are the two protocol choices available when the user chooses "Register Tag ID File". If the user created a CSV List using one of the reports from the PTAGIS3 application or used ftp to get their files on the PTOC server, then the user needs to choose the "File On PSMFC Server" function (as seen in Figure 2). Any of the three protocol choices will register the file for use with the "Registered Tag ID File" type of report.

Figure 2

If the user chooses "File On PSMFC Server," their out subdirectory shows a list of file names available. The user is then requested to type in the name of the file they are registering (see Figure 3).

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Figure 3

Figure 4

Figure 4 displays the "Show Tag ID File" function. From that screen the user can see the original upload date of their file, when and if they re-created and re-uploaded the file. The contents of the files can also be viewed by selecting F2.

The function "Delete Tag ID File" allows the user to delete their registered Tag ID files (shown in Figure 5).

When you choose "Run Report" from the "Registered Tag ID File" pulldown menu (shown in Figure 1), a screen displays a listing of the registered Tag ID files that are available (see Figure 6).

After you select a registered Tag ID file, then another pulldown menu is displayed requesting type of report. The choices are A: Summary, B: Detail, and C: First Interrogation (shown in Figure 7). After selecting the type of report, the user is requested to enter a report name.

Below is a summary of the output of the CSV List reports created with the "Registered Tag ID File" report type:

- **Type A: Summary** has the following CSV List format: type (OBS), first_monitor_name, first_obs_date, intrgn_count (times seen at site), last_monitor_name, last_obs_date, obs_site, tag_id.
- **Type B: Detail** has the following CSV List format: type (OBS), coil1, coil2, coil3, coil4, contr, obs_date, obs_site, tag_id.
- **Type C: First Interrogation** has the following CSV List format: type (OBS), obs_date, obs_site, tag_id.

All three of the report types have the following CSV Lists in common:

- **TAGGING/REL:** type (TAG), coord_id, file_id, flags, length, org, rel_site, rel_v_time, river_km, t_rear_type, t_run, t_species, tag_date, tag_id, tag_rem, tag_site, wt, capture_meth.

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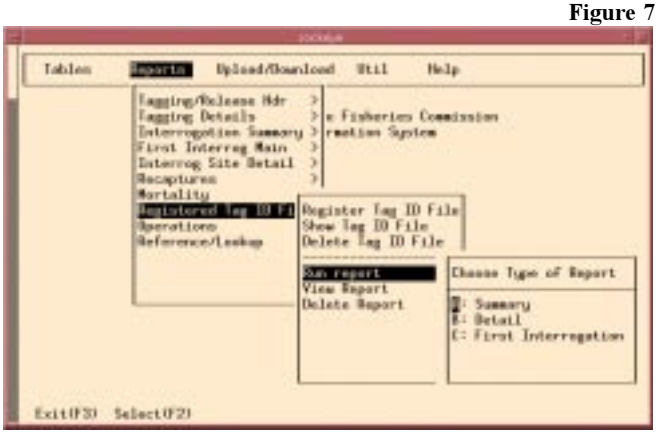
Figure 5

Figure 6

Figure 7



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- **RECAPTURE:** type (REC), re_capture_meth, re_coord_id, re_date, re_flags, re_length, re_org, re_rel_site, re_rel_v_time, re_river_km, re_site, re_tag_rem, re_wt, recap_file, tag_id.
- **MORTALITY:** type (MOR), cap_org, coll_site, flag_code, m_capt_meth, m_close_date, m_coord_id, m_file, m_rem, mort_date, mrt_lgth, mrt_wt, river_km, tag_id.
- **DUPLICATION:** type (DUP), flags, migr_yr, seq_no, t_rear_type, t_run, t_species, tag_file, tag_id, tag_rem.

NOTE: All data is written to one file!

CAVEAT: Users are asked to try to keep lists of tags as small as possible, as large lists require massive amounts of CPU and disk resources. For example, a list with 620,000 tags produced a report that was over 134 MB in size and took over 50 hours to process (at a rate of approximately 12,400 tag codes processed per hour).

Please try using this report type and give feedback to Jennifer Mead via email at: jen@psmfc.org, or call her at (503) 650-5400.

Below is a sample output from Tag ID "2041654674":

```
"TAG","PMS","PMS96080.14A","AD RV",116,"ODFW","LOOH","04-apr-1996 18:30:00","522. . .
"MOR","CRITFC","RICEIS","","PRED","29-oct-1996 16:27:00","KMC","KMC96302.MRT",. . .
"OBS","FLAT PLATE","06-may-1996 20:10:17",2,"FLAT PLATE","06-may-1996 20:10:18",. . .
"OBS","A-SEPARATOR GATE","25-apr-1996 12:55:43",5,"DIVERSION 2","25-apr-1996 15:. . .
"OBS","DIVERSION RIVER EXIT","25-apr-1996 14:56:48",4,"DIVERSION RIVER EXIT",. . .
"OBS","B-SEPARATOR GATE","28-apr-1996 13:46:11",10,"DIVERSION EXIT","28-apr-. . .
```

We welcome input from the PIT Tag community, so feel free to call (503/650-5400), fax (503/650-5426), e-mail, or write us with your story ideas. If you have any questions regarding the contents of this publication, or about the PTAGIS program, please contact Carter Stein, PTAGIS Program Manager. Editing and layout by Liza Bauman (liza_bauman@psmfc.org). Contributors include Carter Stein (carters@psmfc.org) and Jennifer Mead (jen@psmfc.org). Date of issue: 10/13/97.

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