



FISH PASSAGE CENTER

1827 NE 44th 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

MEMORANDUM

TO: Darin Jackson
Randy Fisher, PSMFC
Charlie Morrill, WDFW
Steve Pastor
Andrew Wilcox

Michele DeHart

FROM: Michele DeHart

DATE: April 15, 2009

RE: Audit of PTAGIS server system by Darin Jackson and Andrew Wilcox

Thank you for the opportunity to comment on the audit of the PTAGIS server system by Darin Jackson and Andrew Wilcox of TechHeads, Inc. The review focused primarily on data input and storage of these data on PTAGIS servers but did not address the needs of the Fish Passage Center (FPC) or others as end users. The reviewers did not explain the implications of alternatives being considered to end users. Although our comments on the use of the web portal vs. the telnet were submitted (<http://www.fpc.org/documents/memos/03-09.pdf>) these issues were not broached by the audit. The telnet, our primary access to PTAGIS data was not mentioned and the web access was only mentioned in passing, as follows:

- Regarding web access to the data, it seems that there is a belief among some users that there are shortcomings to the current web apps. After talking to Ryan Day about this topic, he believes that these shortcomings either have been or could be addressed. If that information is inaccurate, perhaps Ryan should be alerted to the deficiencies.

- One misconception about the web app implementation is the perception that Java can't handle large result sets returned from queries that can be specified by the user. There were issues encountered when large data sets were fully loaded into memory. The implemented solution is a Perl script that is sub invoked by Java to pipe the results to a file. Either the database can be asked to return the result set in buffered chunks or the implementation on the Java side can simply stream the result set out to disk. This fix should be reconsidered in light of better alternates.

We have outlined in our previous memo why the FPC's primary access to data on PTAGIS is via the telnet. In moving forward on any decisions to improve the PTAGIS system we request that a useable replacement for the telnet access is in place or that the telnet access remains.