

Nicole Graf

From: Nicole Graf
Sent: Friday, November 4, 2016 10:14 AM
To: Nicole Graf
Subject: RE: Notification of Potential Fish SAR (proj1821)

From: Brett Woodman [<mailto:bwoodman@nrsi.on.ca>]
Sent: September 26, 2016 8:29 AM
To: JMolenhuis@northhuron.ca
Cc: Jeff Graham <jeffgraham@gssengineering.ca>; Steve Burgin <sburgin@nrsi.on.ca>; Andrew Schiedel <aschiedel@nrsi.on.ca>
Subject: Fwd: Notification of Potential Fish SAR (proj1821)

Jeff,

Please see email below from my co-worker notifying MNRF on the SAR fish record and mortalities. Please let me know if you have any questions.

Regards,
Brett



Brett Woodman M.E.S. Certified Arborist
Senior Terrestrial and Wetland Biologist
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----- Forwarded Message -----

Subject: Notification of Potential Fish SAR (proj1821)
Date: Sun, 25 Sep 2016 20:57:19 -0400
From: Steve Burgin <sburgin@nrsi.on.ca>
Organization: Natural Resource Solutions Inc.
To: Graham Buck (MNRF) <graham.buck@ontario.ca>
CC: Brett Woodman <bwoodman@nrsi.on.ca>, Dave Balint (DFO) <dave.balint@dfo-mpo.gc.ca>, jeffgraham@gssengineering.ca

Hi Graham,

As per Condition 16 of our Licence to Collect Fish for Scientific Purposes **Licence No. 1084551** I am writing to inform you that during recent fish sampling this past week, NRSI encountered what we believe to be a Species at Risk (Black Redhorse). One important note is that there also appears to be a potential fish kill in progress. The details of this are outlined in the following paragraphs.

Natural Resource Solutions Inc. (NRSI) completed a two-day fish community assessment on the Maitland River at the Howsen Dam in Wingham, ON. The assessment was completed on September 21 and 22, 2016 utilizing NRSI's electrofishing raft and a backpack electrofishing unit. Approximately 1.25km of the river was sampled upstream of Howsen Dam and approximately 125m was sampled downstream of the dam. All available habitats were sampled, which included the edges and open water areas of the dam's headpond as well as the various pool, run, and riffle habitats.

A variety of fish species were captured during this assessment, including one likely Species at Risk, Black Redhorse (*Moxostoma duesnei*), which was captured/observed within two discreet areas. Upstream of the dam 12 individuals (adult and juvenile) of this species were captured in the moderately vegetated north channel of the small island, 700m upstream from the dam. All captured individuals appeared in healthy condition and were released alive immediately after photographs had been taken. These were captured at the end of sampling of the upstream reach and sampling ceased following their release. A photo of one of the individuals captured has been attached. Photos have also been sent along to the ROM and to DFO for ID confirmation. Please let me know if you would like to see additional photographs.

Black Redhorse were also observed during the assessment in the pools downstream of the dam. Approximately 7 individuals were observed, five of which were dead (both fresh and decaying) with the others generally appearing in unhealthy condition (ie. swimming lethargically, torn fins, discolouration etc.). In addition to the redhorse, one dead Rock Bass was also observed, as well as numerous fresh, empty mussel shells. All other captured fish appeared healthy and in good condition.

If you have questions or would like to discuss this further please contact the office at 519-725-2227. I will be out of the office on Monday and Tuesday so please contact Brett Woodman (Project Manager) to discuss.

Thanks and have good week,
Steve

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Steve Burgin F.W.T. B.Sc.

Aquatic Biologist

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