

Summary of Activities

Date: July 28, 2016

To: Ian Kitch
Manitoba Sustainable Development -
Fisheries Branch
cc. Lloyd Rowe, Jonathon Stephens

From: Holly Urban, Brock Koutecky,
Megan Paterson - Swan Valley Sport
Fishing Technical Staff

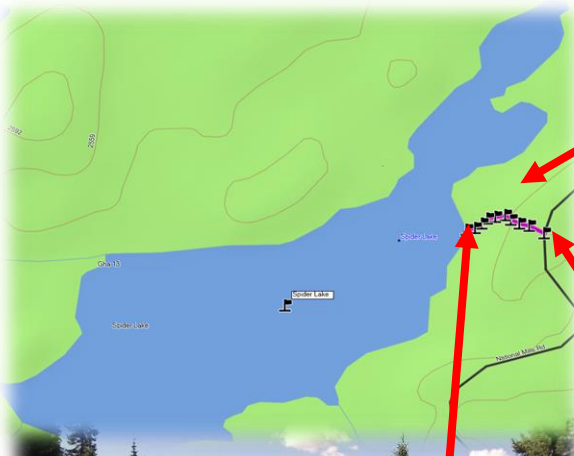
Contact: svsfe@mymts.net

Subject: Spider Lake - Investigation for Fish Introductions

Location: Spider Lake, Porcupine Mountain, MB 14U 337708 5842023

Summary: SVSFE technicians investigated Spider Lake to determine the state of access at the request of SVSFE directors. This topic arose after Kevin Barker approached our group and suggested that we investigate Spider Lake access as he is willing to "widen and repair the trail". Also, since technicians were spending the time to assess access, we decided to bring a boat, and gather other pertinent information on the waterbody as well.

Assessments occurred on July 28th, 2016. Results determined that a short section of the trail (approx. 200m) could be widened and leveled (Refer to Pictures Below). At current, it is suggested that we negotiate price with Kevin, and also look into acquiring a work permit to conduct this improvement promptly. Also, information on the lake collected include, bathymetric data collection, habitat mapping, water testing/dissolved oxygen profile, and general observations. All data collected can be viewed on page 2 of this report. At current, it is believed that northern pike are the only game fish residing in the lake, and it is believed that angling quality is quite high.





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July 28/16

MP NC

Mapping Spider Lake

10:00am Start

SPIDER LAKE

Cloud Cover 8/8

Water Temp. 18.94°C

Air Temp. 16°C

Wind 10km/h SW

intermittant rain

DO Profile

| Depth | DO | Temp |
|---------|------|------|
| surface | 7.61 | 20.9 |
| 1M | 7.55 | 20.9 |
| 2M | 7.33 | 20.7 |
| 3M | 5.01 | 18.3 |
| 4M | .66 | 15.8 |
| 1.5m | .23 | 15.2 |

Secchi 1.2m

TDS 59

PH 8.32

CON 119

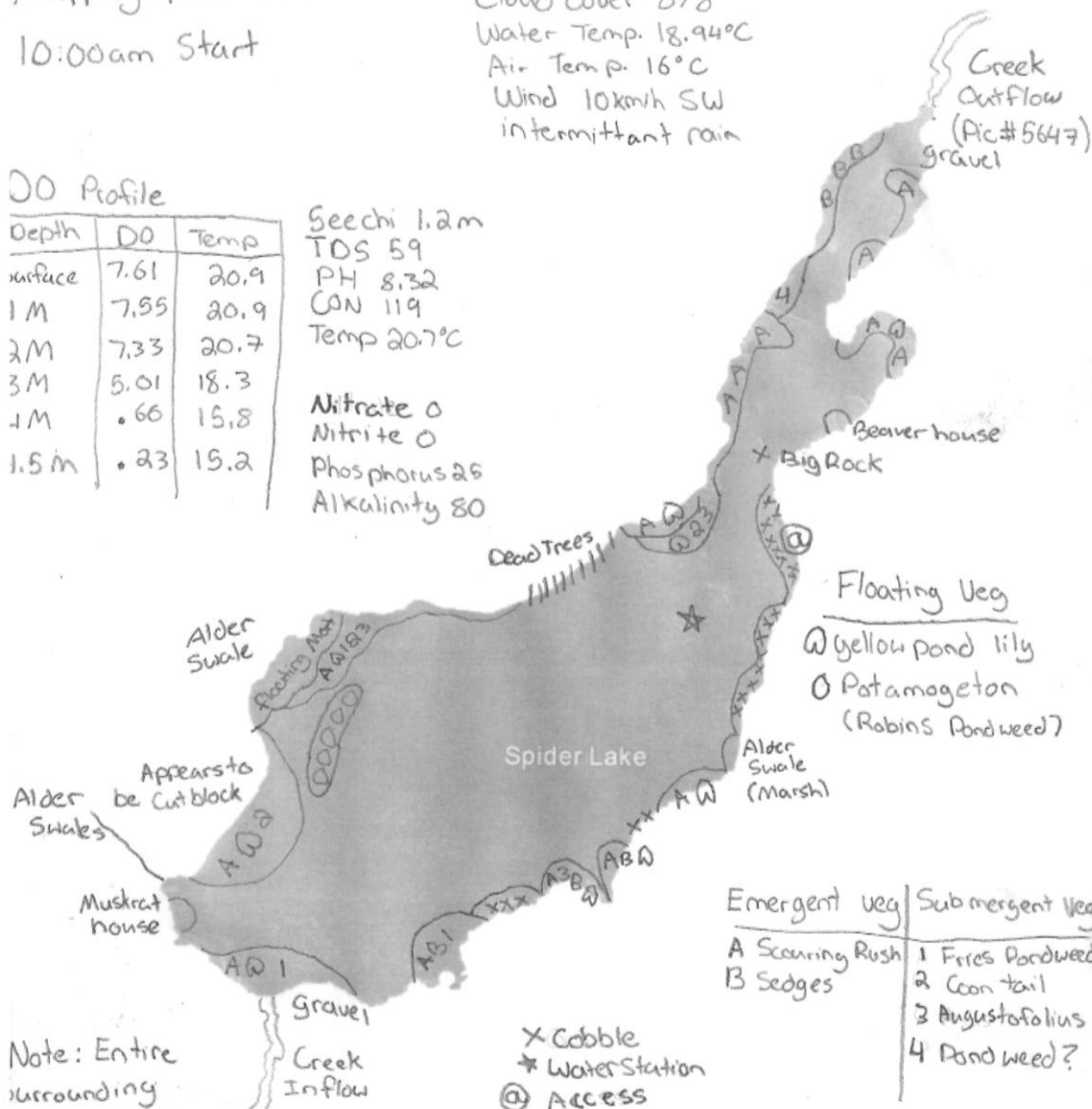
Temp 20.7°C

Nitrate 0

Nitrite 0

Phosphorus 25

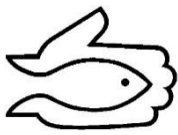
Alkalinity 80



Note: Entire surrounding forest is WS/BS mixed - All softwood

Lake Shoreline: 6,636 m

Pre-Survey Calculations:
Lake Area: 50ha



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