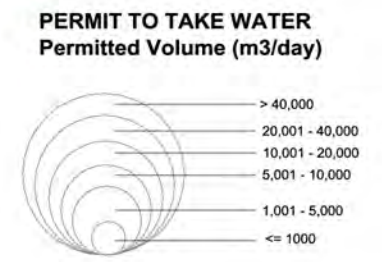


- Community
- Town/Village
- City
- Surface and Groundwater Permit
- Surface Water Permit
- County Road
- Highway
- Stream
- Source Protection Area Boundary
- Source Protection Region Boundary
- Neighbouring Source Protection Area
- Lake



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Permits to Take Water - Ontario Ministry of the Environment (Permits displayed are current to January 1, 2008).



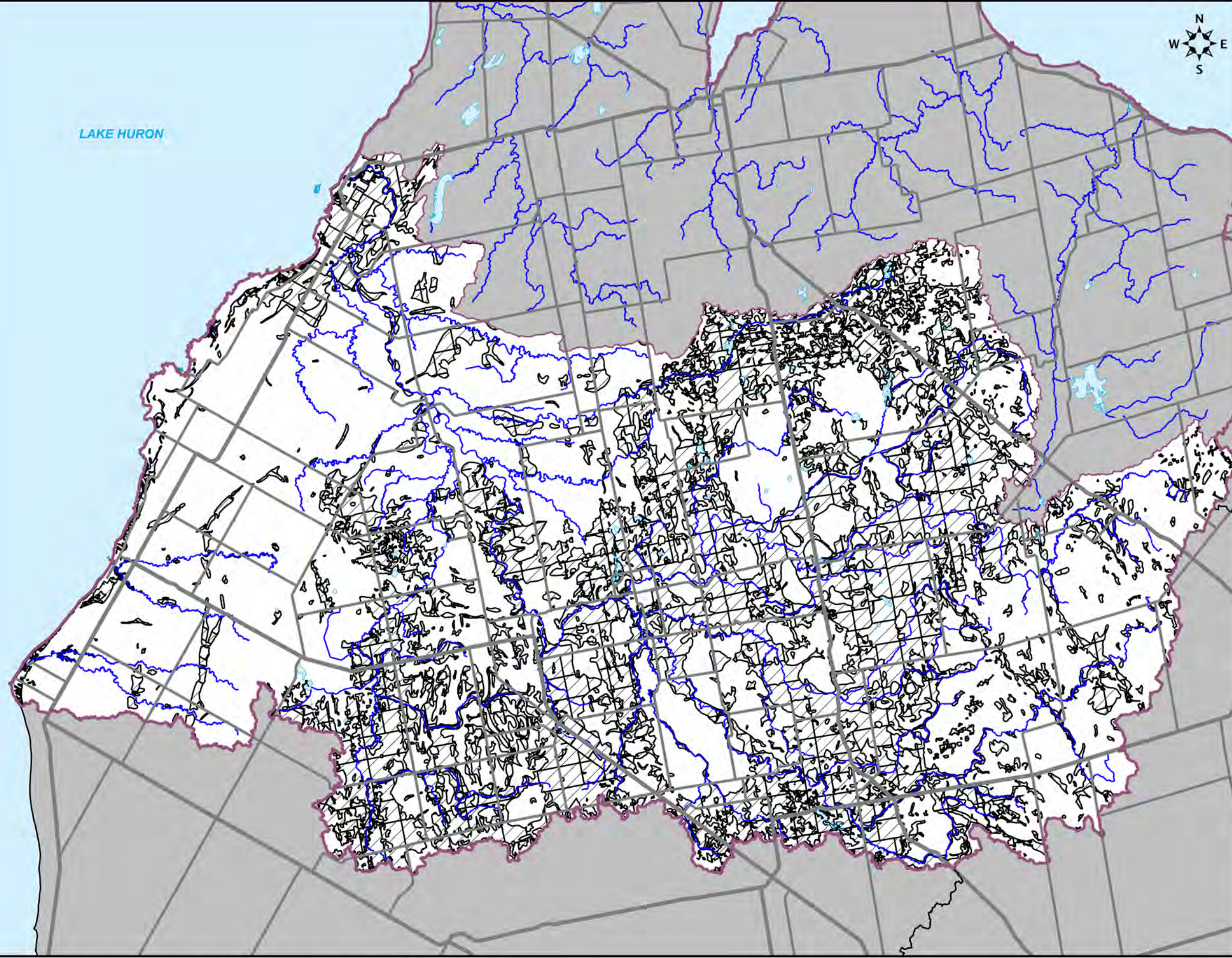
MAP 3.7 PERMITS TO TAKE WATER - SURFACE

Water Quantity Stress Assessment

0 10 km Projection: UTM NAD 83 Zone 17 1 : 360,000



LAKE HURON



-  County Road
-  Highway
-  Stream
-  Source Protection Area Boundary
-  Source Protection Region Boundary
-  Neighbouring Source Protection Area
-  Lake
-  Significant Groundwater Recharge Area

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Significant Groundwater Recharge Areas were delineated by DWSP staff using the Hydrologic Response Units created by AquaResource Inc. as part of the Saugeen, Grey Sauble, Northern Bruce Peninsula Conceptual Geological Model and Three Dimensional Groundwater Flow Model Project, 2005/2006.



MAP 3.11 SIGNIFICANT GROUNDWATER RECHARGE AREAS

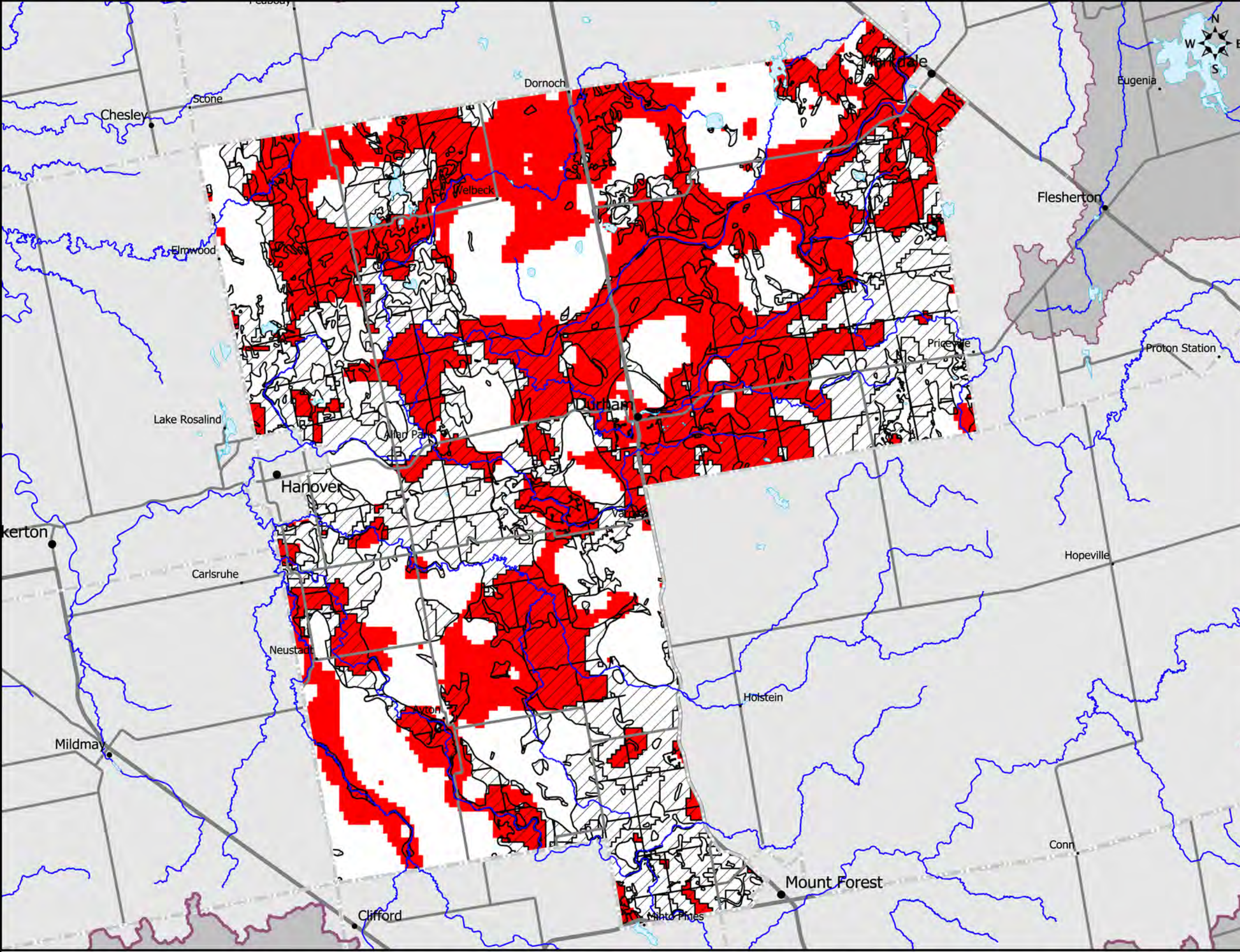
Water Quantity Stress Assessment



Projection: UTM NAD 83 Zone 17

1 : 360,000

Disclaimer: This map has been compiled from various sources and is intended for illustrative purposes only. It should not be used as a precise indicator of routes nor as a guide to navigation.

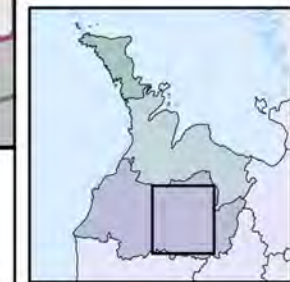


- Community
- Town/Village
- City
- County Road
- Highway
- Stream
- County Boundary
- Source Protection Area Boundary
- Source Protection Region Boundary
- ▨ Neighbouring Municipality
- ▨ Neighbouring Source Protection Area
- Lake
- Highly Vulnerable Aquifer
- ▨ Significant Groundwater Recharge Area

Base mapping produced under license with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2009. The use of these data does not constitute an endorsement by the MNR or the Ontario Government of such data.

Highly Vulnerable Aquifer delineated by Drinking Water Source Protection staff using the ISI.

Significant Groundwater Recharge Areas were delineated by DWSP staff using the Hydrologic Response Units created by AquaResource Inc. as part of the Saugeen, Grey Sauble, Northern Bruce Peninsula Conceptual Geological Model and Three Dimensional Groundwater Flow Model Project, 2005/2006.



MAP 4.13.M2 GROUNDWATER RECHARGE AND AQUIFER VULNERABILITY

Water Quality Threats and Issues - Municipality of West Grey



Projection: UTM NAD 83 Zone 17

1 : 175,000

Disclaimer: This map has been compiled from various sources and is intended for illustrative purposes only. It should not be used as a precise indicator of routes nor as a guide to navigation.



SAUGEEEN RIVER ABOVE DURHAM

Water Survey of Canada
Burlington, Ontario

Station No. 02FC016
329 km²

Monthly Extremes of Daily Discharges in m³/s for the Period January 1976 - December 2009

	Maximum Daily	Minimum Daily	
JAN	67.5 m ³ /sec on Jan 10, 2008	0.720 m ³ /sec on Jan 26, 1994	JAN
FEB	92.6 m ³ /sec on Feb 22, 1981	0.940 m ³ /sec on Feb 18, 1994	FEB
MAR	115 m ³ /sec* on Mar 29, 1989	1.06 m ³ /sec* on Mar 09, 1980	MAR
APR	84.1 m ³ /sec* on Apr 18, 1982	2.21 m ³ /sec on Apr 26, 1977	APR
MAY	24.2 m ³ /sec on May 27, 1994	0.589 m ³ /sec on May 29, 1977	MAY
JUN	15.1 m ³ /sec* on Jun 22, 1982	0.429 m ³ /sec* on Jun 21, 1988	JUN
JUL	14.5 m ³ /sec on Jul 22, 1980	0.208 m ³ /sec on Jul 31, 1989	JUL
AUG	10.9 m ³ /sec on Aug 10, 2008	0.205 m ³ /sec on Aug 01, 1989	AUG
SEP	52.9 m ³ /sec on Sep 13, 1986	0.276 m ³ /sec on Sep 02, 1991	SEP
OCT	24.9 m ³ /sec on Oct 01, 1986	0.415 m ³ /sec on Oct 03, 1995	OCT
NOV	49.5 m ³ /sec on Nov 14, 1992	0.740 m ³ /sec on Nov 10, 1991	NOV
DEC	83.8 m ³ /sec on Dec 29, 2008	1.22 m ³ /sec on Dec 29, 1989	DEC
EXTREME	115 m ³ /sec on Mar 29, 1989	0.205 m ³ /sec on Aug 01, 1989	EXTREME

Extremes of Monthly Mean Discharges in m³/s for the Period January 1976 - December 2009

	Maximum Monthly Mean	Minimum Monthly Mean	
JAN	12.7 m ³ /sec in 2008	1.17 m ³ /sec in 1994	JAN
FEB	16.8 m ³ /sec in 1981	1.17 m ³ /sec in 1982	FEB
MAR	19.4 m ³ /sec in 1977	3.03 m ³ /sec in 1993	MAR
APR	24.0 m ³ /sec in 1982	6.29 m ³ /sec in 1995	APR
MAY	7.30 m ³ /sec in 1997	1.25 m ³ /sec in 1977	MAY
JUN	4.32 m ³ /sec in 1982	0.701 m ³ /sec in 1977	JUN
JUL	4.30 m ³ /sec in 1980	0.376 m ³ /sec in 1988	JUL
AUG	3.55 m ³ /sec in 2008	0.351 m ³ /sec in 1989	AUG
SEP	13.5 m ³ /sec in 1986	0.455 m ³ /sec in 1991	SEP
OCT	10.2 m ³ /sec in 1986	0.704 m ³ /sec in 2005	OCT
NOV	15.0 m ³ /sec in 1992	1.45 m ³ /sec in 2007	NOV
DEC	16.4 m ³ /sec in 2008	2.26 m ³ /sec in 1989	DEC
EXTREME	24.0 m ³ /sec in 1982	0.351 m ³ /sec in 1989	EXTREME

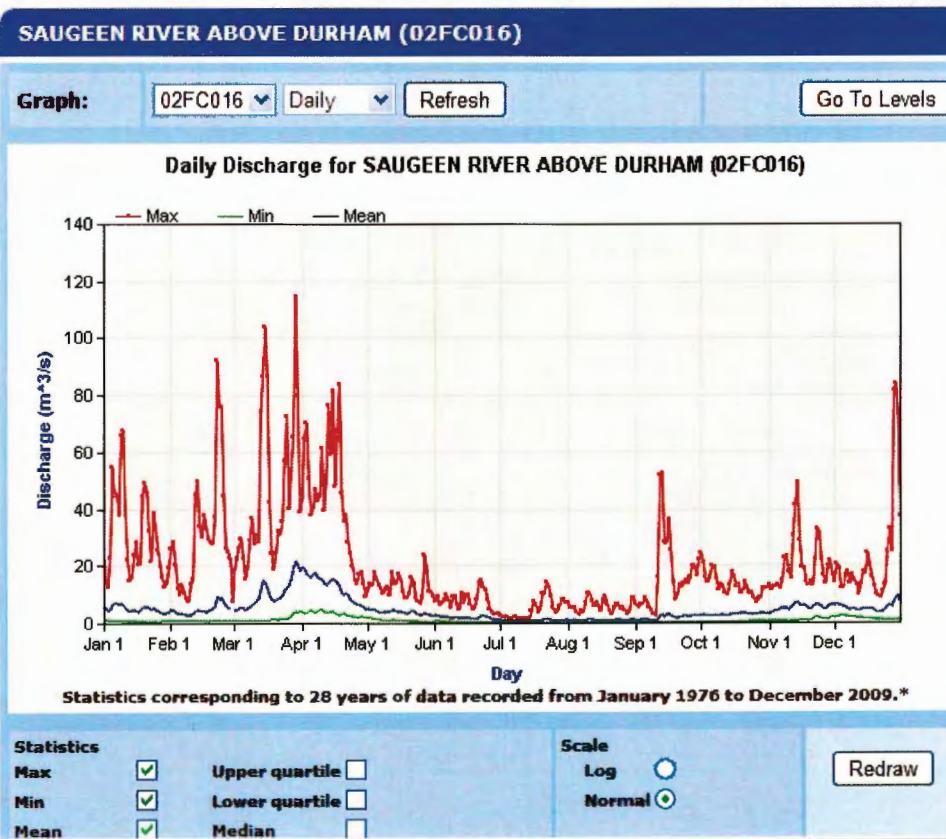
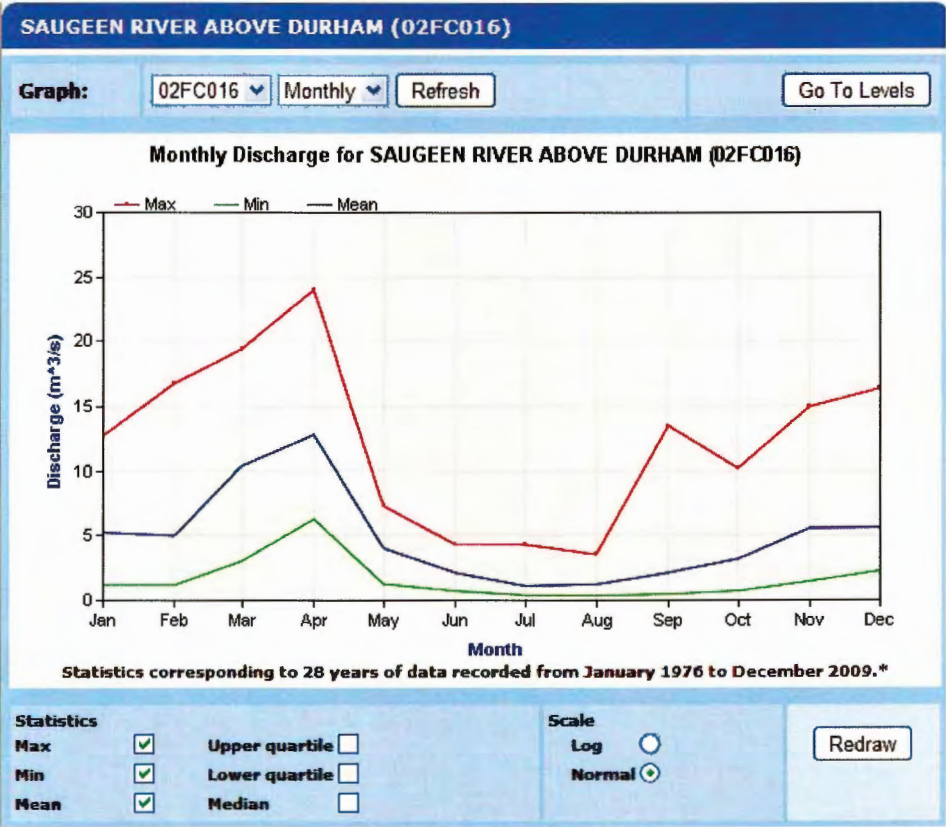
Monthly Mean Discharges in m³/s for the Period January 1976 - December 2009

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	PERIOD	
1976	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	0.064	1976
1977	1.31	1.37	19.4	7.75	1.25	0.701	0.745	2.67	4.39	7.31	6.45	5.25	4.91	1977
1978	2.38	1.67	3.21	19.8	6.48	2.00	0.566	0.611	1.41	2.33	2.69	3.41	3.87	1978
1979	3.11	1.50	15.8	16.6	4.87	1.37	0.643	1.27	1.20	4.18	6.95	7.92	5.47	1979
1980	4.17	1.34	8.04	12.5	2.74	1.72	4.30	2.12	3.21	5.04	4.44	5.90	4.64	1980
1981	1.67	16.8	6.66	6.45	4.05	2.09	0.711	1.29	2.87	5.06	4.90	2.93	4.53	1981
1982	2.14	1.17	4.55	24.0	2.42	4.32	1.11	2.02	1.94	1.77	7.96	10.7	5.33	1982
1983	4.32	3.96	7.62	7.79	6.55	2.63	0.882	0.863	1.98	3.10	5.68	3.62	4.08	1983
1984	2.11	12.6	7.60	10.2	3.80	2.04	1.18	0.637	2.80	1.41	5.46	9.81	4.93	1984
1985	3.61	5.62	13.4	21.8	3.57	2.20	0.698	0.998	1.77	3.50	8.58	4.10	5.79	1985

1986	3.67	2.30	15.2	7.66	3.28	1.45	1.11	1.27	13.5	10.2	3.27	3.25	5.53	1986
1987	2.69	1.49	11.4	8.51	1.59	1.60	1.09	0.641	0.527	1.22	3.55	6.52	3.42	1987
1988	3.82	7.18	9.67	8.42	3.04	0.735	0.376	0.406	0.544	1.82	5.96	3.94	3.81	1988
1989	4.09	2.63	12.7	7.95	4.68	3.36	0.495	0.351	0.542	1.30	4.14	2.26	3.71	1989
1990	7.21	5.99	15.7	6.57	4.24	2.18	1.04	0.825	0.718	3.98	8.77	8.34	5.47	1990
1991	4.54	3.55	15.1	15.4	2.78	0.831	0.787	0.601	0.455	1.24	1.81	5.19	4.36	1991
1992	3.57	2.21	9.30	13.8	2.34	0.742	0.771	2.16	3.78	4.27	15.0	4.55	5.20	1992
1993	9.34	2.61	3.03	16.8	3.24	4.00	0.879	0.497	0.948	1.66	2.26	3.07	4.02	1993
1994	1.17	3.39	4.66	11.9	7.19	2.47	1.29	1.05	1.14	1.31	3.38	3.40	3.52	1994
1995	7.15	1.66	9.04	6.29	3.57	1.46	0.873	1.20	0.534	2.56	9.25	3.54	3.94	1995
1996	10.3	5.17	6.99	19.1	5.98	3.36	2.66	1.71	1.51	3.17	7.33	7.01	6.17	1996
1997	12.2	13.1	11.6	13.4	7.30	2.22	1.40	1.62	1.29	2.19	4.87	2.71	6.11	1997
1998	8.97	2.64	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2.02	1998
1999	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1999
2000	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2000
2001	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2001
2002	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2002
2003	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2003
2004	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2004
2005	-----	-----	-----	16.9	3.06	2.25	0.553	0.561	0.601	0.704	2.79	3.86	2.60	2005
2006	8.46	8.14	15.7	12.7	3.20	1.42	0.966	0.510	0.732	5.90	7.01	8.92	6.14	2006
2007	5.96	2.63	14.3	10.1	2.54	1.68	0.529	0.405	0.555	0.738	1.45	5.39	3.87	2007
2008	12.7	8.28	5.77	21.1	4.66	3.97	1.85	3.55	5.32	3.34	7.84	16.4	7.87	2008
2009	6.14	10.5	13.5	9.23	6.34	2.14	0.914	1.86	0.855	3.51	3.38	4.25	5.19	2009

	Mean Monthly Discharge in m ³ /s	Median Discharge in m ³ /s	Lower Quartile in m ³ /s	Upper Quartile in m ³ /s	Median Cumulative Runoff Depth in mm	
JAN	5.26	4.13	2.61	7.52	33.62	JAN
FEB	4.99	3.01	1.67	7.42	69.14	FEB
MAR	10.4	9.67	6.83	14.7	170.40	MAR
APR	12.8	12.2	7.91	16.8	247.00	APR
MAY	4.03	3.57	2.77	5.15	273.54	MAY
JUN	2.11	2.06	1.44	2.51	294.37	JUN
JUL	1.09	0.881	0.684	1.13	299.41	JUL
AUG	1.22	1.02	0.591	1.75	306.33	AUG
SEP	2.12	1.24	0.589	2.82	329.48	SEP
OCT	3.19	2.83	1.38	4.20	361.49	OCT
NOV	5.58	5.18	3.35	7.46	403.94	NOV
DEC	5.62	4.40	3.41	7.24	458.37	DEC
PERIOD	4.87	4.91	3.90	5.50		PERIOD

This report was produced on September 27, 2012 using the Water Level and Streamflow Statistics application located at http://www.wsc.ec.gc.ca/staflo/index_e.cfm?cname=main_e.cfm



Lynette Renzetti

From: Nathan Garland [n.garland@SVCA.ON.CA]
Sent: Thursday, July 12, 2012 2:27 PM
To: Lynette Renzetti
Subject: RE: Water Bodies Priceville - Durham Area

Hello Lynette,

Sorry about the delay.

I have taken a look at the mapping and some comments are provided below in this email.

The comments provided reference your mapping that you provided. Therefore the location information and numbering is based off your map. The one note is that "Turbine 9" was not present, I'm not sure if this was just an omission and missed in the numbering or if the location of one has yet to be determined.

Locations:

1. Neither the turbine nor the access road is within the Conservation Authorities screening area. No further action from the SVCA pertaining to the regulation at this location.
2. Neither the turbine nor the access road is within the Conservation Authorities screening area. No further action from the SVCA pertaining to the regulation at this location.
3. Neither the turbine nor the access road is within the Conservation Authorities screening area. No further action from the SVCA pertaining to the regulation at this location.
4. Neither the turbine nor the access road is within the Conservation Authorities screening area. No further action from the SVCA pertaining to the regulation at this location.
5. Neither the turbine nor the access road is within the Conservation Authorities screening area. No further action from the SVCA pertaining to the regulation at this location.
6. Neither the turbine nor the access road is within the Conservation Authorities screening area. No further action from the SVCA pertaining to the regulation at this location.
7. The location of the Turbine may be within or near a regulated area as the location of the turbine may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
8. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
9. No Turbine
10. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
11. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
12. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
13. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.

14. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
15. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
16. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.
17. The location of the Turbine and/or access road may be within a regulated area as the location of the turbine and/or access roads may be within the SVCA's screening area. Site specific inspection required to confirm if a permit is required under the Conservation Authorities Regulation 169/06.

Regards

Nathan Garland
Regulations Officer

Saugeen Conservation
1078 Bruce Road. 12
P.O. Box 150
Formosa, ON N4N 3B8
Tel. 519-367-3040 ext. 225
Fax 519-367-3041
n.garland@svca.on.ca
www.svca.on.ca

From: Lynette Renzetti [mailto:L.Renzetti@lglburlington.com]
Sent: Monday, July 09, 2012 2:52 PM
To: Nathan Garland
Subject: RE: Water Bodies Priceville - Durham Area

Hi Nathan

I just wanted to follow up – we spoke by phone on June 21st regarding a proposed wind power project in the Durham area and you were going to begin the process of screening the project layout and provide feedback regarding regulation limits. I believe you indicated at the time that this process would likely take a couple of weeks; could you provide an update as to when that information might be available?

Best regards,

Lynette Renzetti,
LGL Limited
environmental research associates
3365 Harvester Road, Suite 108
Burlington, Ontario L7N 3N2
Tel 905-333-1667 (x22) Fax 905-333-2660
Visit us on the web at www.lgl.com

WE ARE RELOCATING

As of Monday, July 16, 2012, our new offices will be at:
445 Thompson Drive, Unit 2
Cambridge Ontario N1T 2K7

From: Nathan Garland [<mailto:n.garland@SVCA.ON.CA>]

Sent: Thursday, June 21, 2012 8:38 AM

To: Lynette Renzetti

Subject: Water Bodies Priceville - Durham Area

Hello Lynette,

I've been designed the contact for the proposed East Durham Wind Power Project. I have a copy of the initial mapping that you provided our office.

Should you have any further questions please feel free to call or email.

Regards

Nathan Garland
Regulations Officer

Saugeen Conservation
1078 Bruce Road. 12
P.O. Box 150
Formosa, ON N4N 3B8
Tel. 519-367-3040 ext. 225
Fax 519-367-3041
n.garland@svca.on.ca
www.svca.on.ca