



DRINKING WATER
SOURCE PROTECTION

Our Actions Matter

Essex Region
Conservation Authority
sustaining the place for life

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Annual Progress Reports

- Annual Progress Reports are required by May 1st each year
- Reports are generated from data collected from Implementing Bodies, received by February 1
- The Report covers progress toward implementation cumulatively from October 1, 2015 (effective date) to December 31, 2019.
- Progress in 2019 is highlighted
- Reports are produced using a template provided by MECP
- This is the third Annual Progress Report produced by the ERSPA



Scoring in Annual Progress Report

P – Progressing Well

S – Satisfactory

L – Limited progress

- Overall Score
- Implementation Progress
- Municipal Progress
- Risk Management Plans
- Provincial Progress



Overall Score & Message from the SPC

- **Overall Score**
- 2018 score: **P – progressing well**
2019 score: **P – progressing well**
- Continue to make progress on implementation of all policies.
- Municipalities are incorporating Source Water Protection into their business practices and working on Official Plan updates.
- Progress towards the establishment of RMPs for existing threats is on target to meet 1 October 2020 deadline
- Harmful Algal blooms continue to impact our local drinking water sources, and we must continue local efforts
- Recommends that the Ministry develop, at least, a base funding strategy to ensure the local program is able to deliver results that are effective.



Policy Implementation Progress

2018 score: **P – progressing well**

2019 score: **P – Progressing well**

- The percentage of fully implemented policies for significant drinking water threats has increased from 2018 (54%) to 2019 (57%)

Implementation Status	Significant Threat Policies	Low/Moderate Policies	Other Policies
Implemented	25	1	1
No further action required	1	1	0
In progress	17	2	1
No progress made	1	0	0
No response received	0	0	0
TOTAL	44	4	2



Municipal Conformity Progress

2018 score: **P – progressing well**

2019 score: **P – progressing well**

- Municipalities have:
 - Delegated Part IV to ERCA
 - Have screening mechanisms in place for s.59 policies
 - Completed or working on OP and ZBL updates
 - Completed or working on road sign installation

Progress	OP	ZBL
Complete	3	2
In process	8	7
Not started	0	2
Not required	0	0



Risk Management Services

Q4) Risk Management Plans

2018 score: **P – progressing well**

2019 score: **P – progressing well**

Summary

- **384** threats identified in the Assessment Report
 - **295** properties do not require a RMP
 - **6** additional threats (not identified in the Assessment Report) were identified through field verification in 2019 (1/ 6 completed a RMP)
 - **34** RMPs established in 2019
 - **48** RMPs established overall
 - **44** RMPs are in progress
 - **2 sites** under further investigation
 - **46 sites remaining in Essex Region**

20 additional RMPs have been established for existing threats since January 1, 2020



Risk Management Services

Q4) Risk Management Plans

2018 score: **P – progressing well**

2019 score: **P – progressing well**

Risk Management Plans (Existing Threats)	
2016	0
2017	1
2018	13
2019	34
Cumulative	48

20 additional RMPs have been established for existing threats since January 1, 2020



Risk Management Services - Summary of Part IV Implementation

Essex Region Source Protection Area (ERSPA)

Table 1a – Existing Threats. The summary table details all actions taken from 2016 - 2019 by the RMO/I for each municipality in the ERSPA.

	Amherstburg	Essex	Kingsville	LaSalle	Pelee	Tecumseh	Windsor	Lakeshore	Leamington	Total
Total Identified threats in the AR	16	31	93	3	3	12	33	29	164	384
No RMP required	16	28	62	3	1	10	29	26	120	295
RMPs established	-	2	16	-	2	2	2	3	22	48
¹ Further investigation required	-	-	-	-	-	-	-	-	2	2
RMPs in progress (from original count of SDWTs ID'd in AR)	-	1	15	-	-	1	2	-	20	39
² Total threats addressed	16	30	78	3	3	11	31	29	142	343
³ Total threats remaining	-	1	15	-	-	0	2	-	22	41
NEW* additional SDWTs Identified through field verification in 2019	-	-	5	-	-	-	-	-	1	6
RMPs established	-	-	-	-	-	-	-	-	1	1
RMPs in progress	-	-	5	-	-	-	-	-	-	5
² Total threats addressed	-	-	-	-	-	-	-	-	1	1
Total threats remaining	-	1	20	-	-	0	2	-	22	46

¹Sites identified as 'resource extraction stations' requiring further investigation (e.g. oil pumping stations, volumes associated with storage tanks, contents etc.)

²Threats that have been addressed include those where either no RMP is required or a RMP has been established

³Remaining threats are those that have a RMP in progress, or require further investigation



Future Threats – S. 59 Policy Update

RMPs are established for new threats immediately and as needed

Essex Region Source Protection Area (ERSPA)

Table 2a – Summary of all actions taken by the RMO/I in 2016 - 2019 as a result of the Section 59 (Restricted Land Use) screening process for the Event Based Area (EBA).

	2016	2017	2018	2019	Total
s. 59 Application Site Visits	4	0	1	1	6
s. 59 Applications where s. 57 or s. 58 Did Not Apply	14	2	1	3	20
s. 59 Applications where s. 57 Applied (Prohibition)	0	0	0	0	0
s. 59 Applications where s. 58 Applied (RMP)	4	0	1	1	6
Total No. of s. 59 Applications	18	2	2	4	26



Provincial Progress

2018 score: **P – progressing well**

2019 score: **P – progressing well**

- Provincial Ministries:
 - Screen new applications for all Provincial Instruments and have incorporated SWP into their processes
 - Reviewed PIs for all existing threats in 2018
 - No new SDWTs in 2019



Road Signs



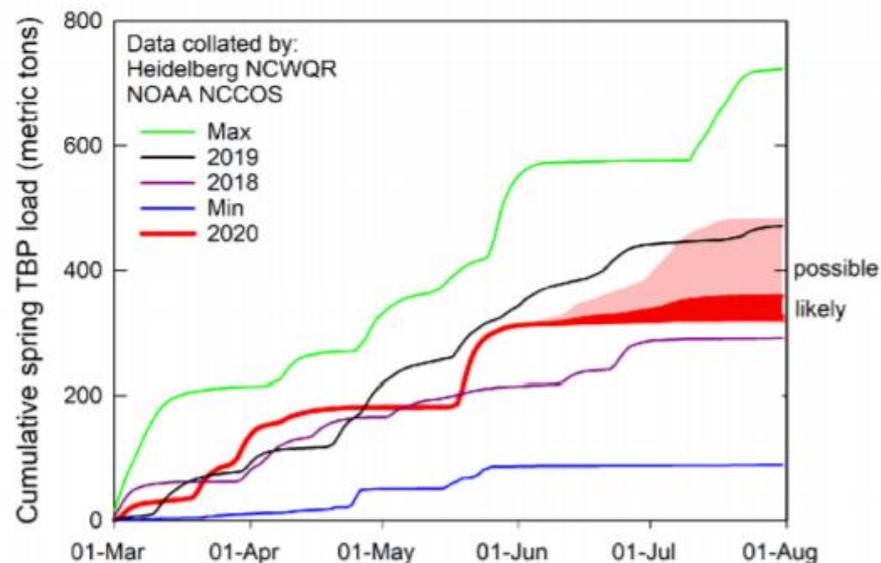
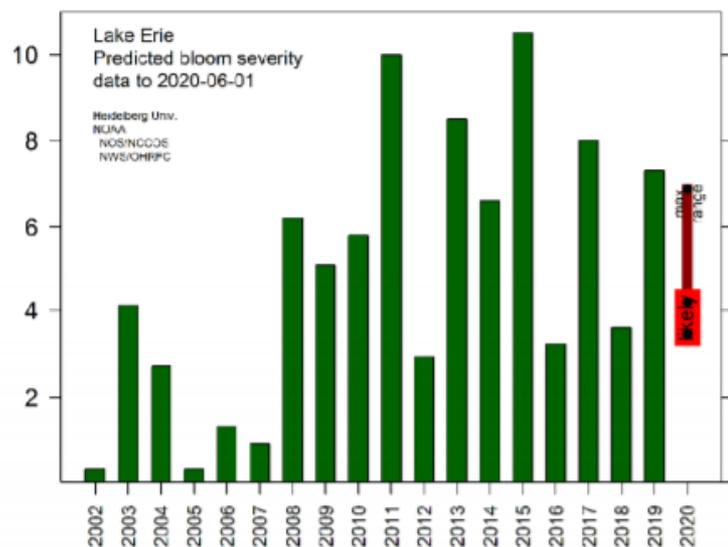
- Municipalities and the MTO were required to install new road signs to address transportation of SDWTs
- All municipalities have installed signs including those on County roads
- MTO installed all approved signs in the region on Hwy 401, Hwy 3, and Hwy 77 in 2017/18

Time Period	Municipal signs	Provincial Signs
2019	3	0
Cumulative	57	5



Harmful Algal Blooms

- Annual occurrence affect intakes in Lake St.Clair and Lake Erie, particularly on Pelee Island
- Water monitoring through DWSP has been transferred to municipalities
- No toxin ever found in treated drinking water
- International efforts to reduce HABS



Success Stories

BEFORE



AFTER

