

**CTC Source Protection Region**

Source Protection Committee

# Credit Valley Assessment Report

## NOTICE OF AMENDMENTS

Amendments to this document, made under Ontario Regulation 287/07, Section 51, following its approval in July 2015, are summarized in the attached tables.

**DATE AMENDMENTS POSTED: June 5, 2018**

## **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

Last Updated: January 2018

The following amendments were made to the Executive Summary and Glossary of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	ES-i (Assessment Report); ES-1 (protection committees, source protection area; ES-4 (amended plan); ES-5 (significant, moderate, low quantity, source protection plan); ES-27 (transport pathway);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	ES-i (amended proposed); ES-5 (Province); ES-23 9A);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	ES-27;	Space added to separate words, or after a period.
	ES-i, ES-4;	Remove double space after period.
	ES-2 (shows); ES-6 (products); ES-16 (aquifer's); ES-20 (Earth's); ES-23 (allows);	Add "s" to agree with the plural subject.
	ES-2 (map);	Remove "s" when it does not agree with the singular tense.
	ES-iii (-); ES-6 (,)	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	ES-i (,); ES-1 (-); ES-4 (,); ES-5 (,); ES-17 (., degrees); ES-18 (')	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	ES-2 (; -); ES-5 (/ - or); ES-6 (- to /);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	ES-2 (1);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
ES-i (for the); ES-iv (and); ES-3 (and); ES-4 (jurisdiction); ES-5 (which have been, the); ES-6 (is, only); ES-20 (inside, large); ES-22 (a); ES-24 (that are); ES-27 (a);	Remove word to improve the clarity of text.	

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	ES-i (This – The); ES-ii (coinciding – coincided); ES-1 (vulnerable areas – regarding vulnerability); ES-2 (delineated – delineations)(which – that)(Collaboration – collaborative); ES-5 (policies – policy); ES-6 (while those – and issues); ES-15 (Toronto and Region – Credit Valley); ES-17 (general – generally); ES-18 (is – are); ES-22 (a curve – bends, swings – curves), a- the); ES-28 (and – to);	Replace word to improve the clarity of text or if it is misspelled.
	ES-ii (which); ES-1 (regarding Intake Protection Zone-3); ES-2 (as); ES-3 (1990); ES6 (this does not impact any CVSPA intake, or refined products containing benzene, were); ES-18 (drinking water concerns); ES-20 (of the forest); ES-20 (including); ES-21 (not); ES-23 (-based agencies); ES-26 (be);	Add word improve the clarity of text.
	ES-2 (WWTP); ES-5 (WWTP, WTP);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	ES-i, ES-ii, ES-1 (Assessment Report); ES-i (MOE); ES-ii (SPC); ES-1, ES-2 (CVSPA); ES-3 (SPC, CVSPA); ES-4 (CVSPA); ES-5 (CVSPA, ICA); ES-6 (LOC, CVSPA); ES-17 (BOD); ES-23 (ODWS); ES-28 (WTP, WWTP, WWIS)	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	ES-5;	Correct e.g., i.e., format.
	ES-6 (replace; with .)	Make one sentence two to improve the clarity of text or when there is a run-on sentence.
	ES-29;	Combine two sentences to improve the clarity of text.
	ES-I, ES-2, ES-4 (Assessment Report);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	ES-5/6;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	ES-1 (ES:7 – ES:2); ES-2 (ES2-ES3); ES-2 (ES:3 –ES:4); ES-2 (Figure ES:3 – ES:4) ES-3 (ES:6 – ES:7, 4-5, 5-6, 7-2)	Figure numbering shifted so second mentioned figure is Figure ES: 2 instead of ES: 7, following figures renumbered in accordance.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	After iv start at 1.	Correct page numbering.
	ES-i <i>The SPC's ultimate role is to develop a Source Protection Plan that when implemented by the responsible parties (including municipalities), eliminates, reduces, or manages threats to drinking water sources, both now and in the future.</i>	Text changed to: <i>The SPC's ultimate role is to develop a Source Protection Plan that will be implemented by responsible parties, including municipalities, and will eliminate, reduce, or manage threats to drinking water sources, both now and in the future.</i>
	ES-i The Amended Assessment Report: Toronto and Region Source Protection Area was submitted and approved by the Ministry of the Environment in January 2012, after revisions and public consultation.	Text changed to: A previous version of the Assessment Report was approved by the Ministry of the Environment in January, 2012 after revisions and public consultation.
	ES-iii The writing team wishes to thank the following staff at member Conservation Authorities, the Regions of Peel and Halton, the Towns of Orangeville, Mono, Erin, and the Township of Amaranth for their valuable review comments, sharing of information, and support.	Text changed to: The writing team wishes to thank the following staff for their valuable review comments, sharing of information, and support.
	ES-6 The IPZ-3 was delineated using the required setbacks from the point of release of a contaminant associated with an activity in the tributary to a point representing the maximum landward extent of the IPZ-2.	Text changed to: The IPZ-3 was delineated for activities in the tributary using the required setbacks from the contaminant point of release to a point representing the maximum landward extent of the IPZ-2.
	ES-20 <b>Great Lakes:</b> The five (large) lakes located in Canada and United States: Lake Ontario, Lake Superior, Lake Huron, Lake Erie, and Lake Michigan.	Text changed to: <b>Great Lakes:</b> The five interconnected freshwater lakes located along the border of Canada and the United States: Lake Ontario, Lake Superior, Lake Huron, Lake Erie, and Lake Michigan.
	ES-21 <b>GUDI:</b> Groundwater Under the Direct Influence of Surface Water	Text changed to: <b>Groundwater Under the Direct Influence of Surface Water (GUDI):</b> The groundwater supply sources that are vulnerable to contamination from nearby surface water or infiltrating precipitation.
	ES-22 Land Use: A particular use of space at or near the earth surface with associated activities, substances and events related to the particular land use designation.	Text changed to: <b>Land Use:</b> The management and modification of the natural environment for associated activities, substances and events related to the particular land use designation.
	ES-i New information is also included identifying threats	Added sentence to keep consistent with other Assessment

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	to surface water quality and the Lake Ontario drinking water intakes located in the Credit Valley Source Protection Area’s jurisdiction as well as water quantity threats identified through a Tier 3 Water Budget study in Amaranth, Mono, Orangeville, Acton, and Georgetown. This updated report contains supporting documentation for these studies.	Reports and to provide additional resources to the reader.
	ES-1 This Assessment Report identifies the location and nature of potential threats to sources of municipal drinking water. These threats include activities that are adversely impacting, or could impact, drinking water quality or quantity from groundwater and/or surface water sources.	
	ES-3 Error! Reference source not found. illustrate the vulnerability of areas where certain activities are more likely to negatively impact a drinking water source.	
	ES- 19 Groundwater supply sources that have a direct hydrological connection to surface water sources (rivers, streams, ponds, etc.), and are therefore vulnerable to contamination from the surface.	
	ES-i From this point forward the <i>Approved Updated Assessment Report: Credit Valley Source Protection Area (CVSPA)</i> will be referred to as the <i>Assessment Report</i> .	
	ES-1 From this point forward the <i>Approved Updated Assessment Report: Credit Valley Source Protection Area (CVSPA)</i> will be referred to as the <i>Assessment Report</i> .	
	ES-16 (Fens are rare across the Toronto and Region Source Protection Area (TRSPA).)	Removed because in CVC Fens are relatively common in the middle and upper parts of the watershed.
	ES-8 (Source Protection Areas and Regions - Source Protection Regions and Source Protection Areas in Ontario); ES-9 (Well head protection Areas for Wter Quantity Threats – WHAP-Q1/Q2 Tier 3 Water Budget in CVSPA); ES-10 (Intake Protection Zones IPZ-1 and IPZ-	Update figure titles.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	2 – Intake Protection Zones Delineation 1 and 2 with Vulnerability Scoring for peel Region Water Treatment Plants); ES-11 (Intake Protection Zones – Peel Intakes – Location of Intake Protection Zones and Municipal Surface water intakes); ES-12 (Significant Groundwater Recharge Areas (SGRAs) – add with Vulnerability Scoring); ES-13 (add with Vulnerability Scoring);	
O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.	ES-5 (add closing bracket)	Change brackets to be consistent.
	ES-2 (SGRA map, HVA map, WHAP map); ES-6 (Three, 9,539, 392);	Un-bold text if emphasis is distracting.
	ES-x (Three, 9,539, 392); ES-5 (moderate);	Un-underline text if emphasis is distracting.
	ES-7 (shift attention information)	Update spacing alignment to make text consistent between ARs and clearer to read.
O.REG 287/07 S.51(3) If the source protection plan contains a provision that is contingent on the occurrence of a future event and the event occurs, an amendment that is made to remove the text referring to the contingency and to make any related changes.	ES-3 changed text from: “When the SPP is approved, the Minister of the Environment and Climate Change will set the date by which the SPP must be reviewed and updated, as necessary.”	Changed text to: The source protection plan was approved by the Minister of the Environment and Climate Change on July 28, 2015 and became effective on December 31, 2015.
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	ES-18; ES-23;	MOE to MOECC
	ES-21 ( <a href="http://www.ene.gov.on.ca">www.ene.gov.on.ca</a> - <a href="https://www.ontario.ca/page/source-protection">https://www.ontario.ca/page/source-protection</a> ) – “for more information on the Ontario Ministry of the Environment and Climate Change (MOECC) and the Clean Water Act” change Clean Water Act to source protection.	Update web address
	ES-4; ES-5;	Update link to tables of circumstance <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>

# **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

**Last Updated: January 2018**

*The following amendments were made to Chapter 1 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.*

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.</p>	<p>1-2 (ministry); 1-2 (terms reference, assessment report, source protection plan, source protection area); 1-3 (source protection authority, assessment report, term reference, source protection areas); 1-4 (source protection authority, assessment report, authority); 1-5 (assessment report); 1-9 (data sources); 1-10 (vulnerable areas); 1-10 (assessment report);</p>	<p>Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.</p>
	<p>1-3, 1-5 (Province);</p>	<p>Capitalize word when it is not a proper noun, or not the beginning of a sentence.</p>
	<p>1-3; 1-9; 1-10;</p>	<p>Remove double space after period.</p>
	<p>1-2 (:); 1-3 (,); 1-4 (,); 1-11 (,);</p>	<p>Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.</p>
	<p>1-3 (the, both, source, jurisdiction, ultimately, is working in); 1-5 (units, several each); 1-9 (of the included in this assessment report); 1-10 (previously, approved);</p>	<p>Remove word to improve the clarity of text.</p>
	<p>1-3 (source protection authority’s – source protection authorities, and – or, perspectives – threats, presented – around wells and intakes, them – municipal drinking water sources, partnership – partners, amongst - among); 1-4 (Juli – Julie); 1-10 (proposed – approved, full name of report – Assessment Report); 1-11 (subsequently – subsequent, now – were, full name of report – Assessment Report);</p>	<p>Replace word to improve the clarity of text or if it is misspelled.</p>
	<p>1-4 (the); 1-5 (and areas, under the, nine and 15,</p>	<p>Add word improve the clarity of text.</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	respectively); 1-10 (the CTC, lead source protection authority, lead authority);	
	1-1 (CWA); 1-3 (SPP, CVSPA, CLOSPA, TRSPA); 1-4 (SPP, CVSPA, TRSPA); 1-5 (SPA, CVSPA); 1-9 (SPA); 1-11 (SPC);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	1-1 (remove month, add b to year);	Update reference to be in correct and consistent form.
	1-1 ( <i>Escherichia coli</i> , <i>Campylobacter</i> ); 1-2 (2009); 1-3 (technical rules, Ontario Regulation 288/07);	Italics words that are the title of a publication, and are defined in definition boxes.
	1-2, 1-3, 1-9, 1-10 (assessment report)	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	1-1; 1-5;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	1-5 (A map showing the boundary of CVSPA is presented in <b>Figure 1.3.</b> )	Shifted sentence within paragraph to improve clarity.
	1-2: The CWA and its regulations can be found at <a href="http://www.e-laws.gov.on.ca">www.e-laws.gov.on.ca</a> .	Changed from this: The CWA and its regulations can be found <a href="#">here</a> (or at the Ontario e-laws website <a href="http://www.e-laws.gov.on.ca">www.e-laws.gov.on.ca</a> ).
	1-10: An updated assessment report for the CVSPA was also submitted to the Ministry for approval at that time, but no decision on approval was made as it became apparent that further updates would be completed before the Plan would be approved.	Changed from this: An updated assessment report for the CVSPA was also submitted to the Ministry for approval at that time but no decision on approval of the updates to the Assessment Report was made as it became apparent that further updates were going to be completed to the Assessment Report before the Plan would be approved.
	1-5: This Assessment Report is for the Credit Valley Source Protection Area (CVSPA).	Remove sentence because they are repetitive.
	1-9: In addition to its primary purpose in meeting the CWA requirements, this Assessment Report contributes to the sustainable development and integrated watershed management goals for the CVSPA. It will be complementary to watershed planning processes undertaken by CVC staff in support of the <i>Oak Ridges Moraine Conservation Plan</i> , and will assist in refining management priorities for the ongoing implementation of Watershed Plans. The scope of work for this Assessment Report includes the following for all CVSPA watersheds:	Add content to strive toward consistency across CTC Assessment Reports.



TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	<ul style="list-style-type: none"> <li>• Identification of the physical and human characteristics (i.e., physiography, soils, land use, and geology);</li> <li>• A summary of the understanding of groundwater and surface water flows (quantity);</li> <li>• A summary of the current status of groundwater and surface water quality;</li> <li>• Identification of vulnerable areas (i.e., highly vulnerable aquifers (HVAs), significant groundwater recharge areas (SGRAs), wellhead protection areas (WHPAs) and intake protection zones (IPZs));</li> <li>• Identification of known or potential threats to water quality based on a review of available data and feedback from municipal partners and watershed residents; and</li> <li>• Identification and prioritization of data and knowledge gaps so efforts are directed to collect missing information.</li> </ul>	
<p>O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.</p>	1-5 (15); 1-9 (appendices);	Un-bold text if emphasis is distracting.
	1-5;	Create two columns for lists to increase clarity.
<p>O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.</p>	1-1; 1-2; 1-3; 1-8; 1-10;	MOE to MOECC
	1-2;	MNR to MNRF
	1-2 (Technical Rules); 1-2 (threats tool);1-9 (CTC technical documents);	A website address has changed.
	1-2;	Update date of Technical Rule amendments (December 2013)
	1-4 to 1-5;	Replace Table 1.1 Members of the SPC with link to members on website.

# NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT

Last Updated: January 2018

The following amendments were made to Chapter 2 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	2-6 (subwatersheds, Greenland system); 2-8 (escarpment, subwatersheds); 2-9 (land cover, forest, wetland, meadow, community series); 2-13 (shoreline, conservation authority, watershed); 2-14 (escarpment); 2-16 (species, risk, dace, special concern); 2-17 (cities, towns); 2-19 (membrane filtration, ozone); 2-20 (towns); 2-21 (census, town, sodium hypochlorite); 2-22 (water system, town, sodium hypochlorite, region); 2-23 (ultraviolet, greensand, distribution, chlorine, water system, sodium); 2-24 (water system, sodium, township); 2-25 (drinking water standards); 2-27 (lake, states, report, agreement); 2-28 (the, conservation authority); 2-29 (report); 2-30 (upper, middle, percentile total phosphorus, percentile); 2-31 (watershed); 2-32 (watershed, towns, cities); 2-36 (watershed); 2-37 (metric); 2-40 (calcium carbonate, reports); 2-41 (annual); 2-41, 2-42, 2-45, 2-48, 2-50, 2-52, 2-55 (mg/l – mg/L); 2-47 (town); 2-48 (sodium, chloride, nitrates, town’s); 2-50 (manganese); 2-54 (region); 2-55, 2-58 (region); 2-60 (towns); 2-64 (municipalities, regions, counties, regional, county, escarpment); 2-69 (chapter);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	2-14 (Brown, Rainbow, Brook, Creek, Blacknose, Redside, Northern); 2-16 (Management); 2-17 (Least); 2-22 (Line); 2-23 (system); 2-26 (Part); 2-55, 2-60 (Well);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	2-13; 2-21; 2-22; 2-29;	Space added to separate words, or after a period.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	Throughout report	Remove double space after period.
	2-1; 2-8; 2-11; 2-19; 2-40; 2-41; 2-58; 2-60;	Remove extra space between words or punctuation.
	2-20 (reflects); 2-26 (includes); 2-31 (practices); 2-36 (illustrates); 2-42, 2-45 (shows); 2-47 (trends); 2-59 (represents); 2-64 (MPIR's);	Add "s" to agree with the plural subject.
	2-27, 2-29, 2-52 (:); 2-52 (,);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	2-2, 2-6, 2-8, 2-11, 2-14, 2-19, 2-22, 2-25, 2-26, 2-36, 2-41, 2-42, 2-50, 2-52 (,); 2-17, 2-19, 2-20 ( - ); 2-26 (:); 2-32 (,); 2-33 ('); 2-40 (.); 2-48, 2-50 (.); 2-60, 2-64, 2-69 (,);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	2-19, 2-23, 2-24. 2-55, 2-60 (& - and); 2-22 (; to -); 2-30 (; - ,); 2-47 (: - ,); 2-52, 2-55 (; - .); 2-58 (/ - ,);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	2-13 (75); 2-16 (49); 2-17 (750,797); 2-20 (45); 2-21, 2-22 (60); 2-27, 2-29 (eight); 2-40 (14); 2-62 (759,690); 2-64 (30); 2-67 (52); 2-69 (25);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
	2-1 (the, all); 2-6 (the, prolific); 2-11 (also, those); 2-13 (the, we have, contained, there exists); 2-16 (some of the following); 2-19 (unit process); 2-22 (and, fields); 2-23 (respectively); 2-26 (and, compounds); 2-27 (the, based); 2-29 (were, the); 2-30 (are present); 2-31 (therefore); 2-33 (the); 2-36 (accordingly); 2-39 (monitoring networks); 2-40 (and, that period – 2005); 2-41 (in 2009); 2-24 (while); 2-55 (the, towards); 2-56 (pot); 2-64 (the land area consumed by, at this time, exactly, the municipal boundaries of); 2-67 (these); 2-69 (sources, as, the);	Remove word to improve the clarity of text.
	2-1 (plethora – variety); 2-2 (harvested – collected); 2-6 (having – have); 2-9 (their – the); 2-11 (their – the, other – contain diverse, in them than – compared to); 2-13 (our – the, chapter - section); 2-16 (its – the); 2-16 (CPA – CVSPA); 2-17 (also describe – consider, balance of - remaining); 2-17 (chapter – section, whilst – while, on - in); 2-20 (at the localized – at a more local); 2-21	Replace word to improve the clarity of text or if it is misspelled.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	<p>(day – daily); 2-23 (Ct – Court); 2-25 (chapter – section)(us to see if - in understanding whether)(the – water testing)(detect – detections); 2-26 (their – a) (of – on)(finished – treated)(as well as – and); 2-27 (this – the); 2-28 (the data were – data was); 2-29 (are – is); 2-30 (where – with)(this is shown in Figure 2.7 – see Figure 2.7); 2-31 (intense – intensive); 2-33 (on –at); 2-36 (percent - %, times – events typically); 2-37 (mostly – most); 2-39 (sources – the); 2-40 (are – is, as well as – and, are – is, as – were); 2-55 (increase – increased, they – Well 1 and 2, near them - nearby); 2-56 (is – has); 2-60 (and – which); 2-62 (the – in 2006, has – had, living – residing); 2-64 (uses is – areas are, computed – determined, among other things – etc., how much they should plan for – planning, which - that); 2-69 (used as – sources of, interpretation of – interpreting, support of – supporting);</p>	
	<p>2-1 (in the CVSPA, completed); 2-2 (water); 2-6 (in the, area, and are, are); 2-8 (in the upper zone); 2-8 (area, and are, and has); 2-9 (in the maps); 2-11 (of natural cover in CVSPA); 2-13 (in, are, CVC); 2-14 (are, trout); 2-17 (salamander); 2-21 (data from); 2-21 (wells used for monitoring water levels and water quality within WHAPs); 2-22 (on an); 2-27 (also); 2-29 (the); 2-31 (River); 2-33 (the); 2-36 (data, were); 2-40 (well, are, sodium); 2-41 (for, within); 2-55 (and); 2-58 (guidelines); 2-59 (of); 2-60 (from 2006); 2-64 (presently); 2-67 (Canada); 2-69 (storm);</p>	<p>Add word improve the clarity of text.</p>
	<p>2-19 (disinfection); 2-31 (urbanizing area); 2-40 (shallow); 2-41 (surface water); 2-64 (clipped);</p>	<p>Shift word in sentence to improve clarity.</p>
	<p>2-22 (NVCA); 2-23 (DWS); 2-36 (SS); 2-42 (SPC, ND); 2-47 (DWS); 2-50, 2-54 (OG, AO); 2-55 (AO, ND);</p>	<p>Spell out acronym when it is the first time the acronym is used, or for clarity.</p>
	<p>2-1 (CVSPA); 2-6 (ORM); 2-10 (ELC); 2-13 (CVSPA); 2-20 (PTTW); 2-29 (ECO); 2-40 (VOC, DWS); 2-41 (GUDI); 2-58 (HPC); 2-59 (PTTW); 2-64 (CSD, CT);</p>	<p>Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	2-22 (reference at end of sentence, author then year); 2-23, 2-24 (year at end); 2-26 (remove PIBS7269e from reference); 2-27 (et al format)(author match reference list); 2-29 (update author); 2-32 (update year); 2-60, 2-62 (census, 2006-2008);	Update reference to be in correct and consistent form.
	2-8; 2-17; 2-41; 2-58	Correct e.g., i.e., format.
	2-6 (run-on); 2-8 (however); 2-27 (run-on); 2-29 (run-on); 2-31 (however); 2-32 (however); 2-39 (run-on); 2-40 (run-on); 2-41 (run-on); 2-41 (however); 2-24 (run-on); 2-55 (therefore); 2-61 (run-on); 2-64 (run-on, this); 2-69 (however);	Make one sentence two to improve the clarity of text or when (there is a run-on sentence.
	2-13 (and); 2-13 (including);	Combine two sentences to improve the clarity of text.
	2-1 (watershed); 2-13, 2-27, 2-54, 2-64 (name of report); 2-27 (charter);	Italics words that are the title of a publication, and are defined in definition boxes.
	2-1 (watershed); 2-1, 2-2, 2-28, 2-40 (Characterization Report); 2-2, 2-9, 2-17, 2-25 (Assessment Report); 2-6 (Island Lake Reservoir and Control Structure); 2-16 (species at risk); 2-28 (and the); 2-29 (report); 2-60 (consumptive demand);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	2-1; 2-2; 2-6; 2-9; 2-13; 2-14; 2-41; 2-47; 2-50; 2-52; 2-55;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	2-11 The riparian system includes those zones along a river that are flooded at least once every twenty years, and/or those zones that have high water tables, are connected to the stream channel, and contain species of plants that can tolerate saturated roots for extended periods of time. The quantity and quality of vegetation in the riparian zone is fundamentally connected to channel form and shape (geomorphology), aquatic habitat, water quality and temperature. Well-vegetated riparian stream banks help to control the form and shape of channels. Vegetated stream banks are fairly resistant to scouring.	Delete repetitive text or to improve the clarity of text.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	<p>In such a system, streams are narrow, pools are deep, total sediment eroded into the channel system is low. In streams without extensive riparian vegetation, stream width increases, pools get shallower, and more material is eroded from banks. Streams with lush riparian vegetation - shrubs and grasses or trees and shrubs - have better pools and other habitats in them than streams with thinly grassed banks and active bank erosion.</p> <p>2-27 (CVSPA Watershed and <i>Great Lakes Water Quality Agreements.</i>)</p> <p>2-36 (Mixing and circulations patterns in the lake, in turn determine whether or not drinking water plant intakes within the CVSPA jurisdiction are affected. It is recognized that watershed inputs, can under the right “in lake” mixing conditions impact the quality of source waters entering the Peel Region’s drinking water treatment plants.)</p> <p>2-62 (Peel Region, Halton Region, Wellington County, Dufferin County)</p> <p>2-69 (Of course, extreme storm events that can lead to major flooding in the watersheds can occur at any time including the summer months.)</p>	
	2-1 Text changed from: see below.	text changed to: A summary of the data sources used is provided in Appendix A.
	2-2 Text changed from: Many organizations have contributed heavily in this effort, and include those falling under the auspices of the Federal Government, Provincial Agencies, Conservation Ontario (CO), Member Municipalities, and neighbouring Conservation Authorities, have been instrumental in this effort, and are listed in <b>Appendix B</b> . Specific data sets pertaining to inferences made in the characterization of the CVSPA have also been included here.	text changed to: Many organizations have contributed in this effort, and include the federal government, provincial agencies, Conservation Ontario, member municipalities, and neighbouring conservation authorities. These organizations have been instrumental in completing this work, and are listed in <b>Appendix B</b> along with specific data sets pertaining to inferences made in the characterization of the CVSPA.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	<p>2-13 Text changed from: They are important landscape features for many reasons:</p> <ul style="list-style-type: none"> <li>• If a reasonable amount of wetland cannot survive, the species that depend on it will decrease in number and eventually disappear. These include otherwise uncommon flora and fauna that live there.</li> <li>• Wetlands help to regulate the flow of water, and thereby reduce the effect of flooding downstream.</li> <li>• They also act as a natural water filter. By removing toxins and all other impurities, they improve overall water quality.</li> </ul>	<p>Text changed to: Wetlands help regulate the flow of water, and reduce the effects of flooding downstream. They also act as a natural water filter. By removing toxins and all other impurities, they improve overall water quality. If wetlands are destroyed or degraded species that depend on the habitat will be negatively impacted. These species include rare and endangered flora and fauna that depend on wetland areas.</p>
	<p>2-17 changed text from: Specific locations for wetland plant species including are likely sporadic. New bog and fen communities in the Credit that have yet to be fully inventoried have further potential for Species at Risk and range in location across the entire watershed.</p>	<p>Changed text to: Wetland plants that are species at risk are likely found in isolated areas across the watershed. Some bog and fen communities in the CVC have yet to be fully inventoried and may have further potential for species at risk.</p>
	<p>2-28 changed text from: The exception in the CVSPA is the Lake Ontario water from the Region of Peel's Intake (Lakeview), which is transferred out to augment the York Region Drinking Water Supply.</p>	<p>Changed text to: The exception is the Region of Peel's Lakeview Intake, which is transferred out to augment York Region's drinking water supply.</p>
	<p>2-29 changed text from: Presently, there is no Canadian water quality guideline for chloride for protection of freshwater organisms. In the <i>Water Quality: Ambient Water Quality Guidelines for Chloride Overview Report</i> (BC MOE, 2003), it is cited that Evans and Frick (2001) evaluated the toxicity of chloride to freshwater organisms by stratifying the existing data according to the duration of chloride exposure</p>	<p>Changed text to: Presently, there is no Canadian water quality guideline for chloride for protection of freshwater organisms. In the <i>Water Quality: Ambient Water Quality Guidelines for Chloride Overview Report</i> (BC MOE, 2003) the toxicity of chloride for freshwater organisms is evaluated by stratifying the existing data according to the duration of chloride exposure</p>
	<p>2-29 changed text from: The results from the analysis demonstrate a number of trends in the CVSPA, as discussed below. Trends of Phosphorous, Nitrate, Chloride, bacterial levels are described below, while</p>	<p>Changed text to: The results from the analysis demonstrate a number of trends in the CVSPA. Trends for phosphorous, nitrate, chloride, and bacterial levels are described below. Summaries of dissolved oxygen, aluminium, copper, nickel, iron, and zinc are</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	summaries of dissolved oxygen, aluminium, copper, nickel, iron and zinc are presented, while supporting data is shown in <b>Appendix B 1.5</b> .	presented below with additional supporting data available in <b>Appendix B 1.5</b> .
	2-69 Changed text from: The Lake Ontario source is targeted as the drinking water supply to support growth in the lower zone of the CVSPA, but ongoing aquifer studies attempt to realize additional potential for groundwater abstraction in the middle and upper zone.	Changed text to: Lake Ontario is targeted as a drinking water supply to support growth in the lower zone of the CVSPA. Ongoing aquifer studies attempt to determine additional potential for groundwater extraction in the middle and upper zone.
O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.	2-41 (square – round); 2-58 (remove brackets);	Change brackets to be consistent.
	2-25 (paragraph);	Un-bold text if emphasis is distracting.
	2-32 (Figure);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	2-2 (shifted headwaters text box to 2-6); 2-28 (shifted Mann-Kendall text box to 2-29 and removed border);	Update textbox to be consistent format.
	2-6, 2-16 (added bullets to list);	Update bullets to be consistent within and across assessment reports.
	2-11, 2-67 (combine two similar paragraphs);	Update spacing alignment to make text consistent between ARs and clearer to read.
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	2-19; 2-20; 2-21; 2-22; 2-26; 2-40; 2-41; 2-47; 2-59;	MOE to MOECC
	2-67;	Link to <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>



# **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

Last Updated: January 2018

The following amendments were made to Chapter 3 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.</p>	<p>3-1 (Source Protection Plan); 3-2 (SPA); 3-2 (water budget); 3-2 (subwatershed); 3-3 (land); 3-4 (watershed, subwatershed, escarpment); 3-5 (escarpment, watershed; 3-8 (escarpment, formations,); 3-10 (conservation authorities, grained tills, escarpment); 3-12 (escarpment, subwatershed); 3-15 (escarpment, lower watershed); 3-16 (upper, middle, watershed, creeks); 3-17 (upper watershed; 3-18 (escarpment, forks); 3-20 (subwatershed, watershed, salamander, complex); 3-22 (formations, escarpment); 3-24 (rivers, escarpment); 3-26 (southern, lower watershed, upper watershed, middle watershed); 3-30 (lower watershed); 3-35 (source protection); 3-37 (lower watershed); 3-38 (subwatershed, lower watershed, watershed); 3-39 (lower watershed, stress assessments); 3-42 (towns, regional municipalities); 3-44 (subwatersheds); 3-45 (region's); 3-46 (region, town, subwatersheds); 3-47 (percent water demand); 3-50 (subwatersheds); 3-54 (subwatershed); 3-58 (town); 3-59 (subwatershed); 3-60 (study area); 3-61 (study area, risk scenarios, risk level, water budget); 3-62 (planned quantity of water); 3-63 (safe water level); 3-64 (safe water level); 3-68 (study area); 3-68 (river, study area, headwaters); 3-69 (subwatershed. Watershed); 3-70 (assessment); 3-74 (study area); 3-75 (risk level, study area, tributaries); 3-76 (complex, wetland complex,</p>	<p>Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	watershed); 3-78 (river) 3-78 (assessment, towns, townships); 2-80 (significant, moderate); 3-81 (existing, committed, planned); 3-91 (impacts); 3-91 (moderate, significant); 3-92 (risk level); 3-96 (risk); 3-96 (significant risk); 3-96 (existing, planned system); 3-96 (significant, risk scenarios, low risk level, significant, moderate); 3-99 (towns, low); 3-100 (study area, subwatershed, watershed); 3-101 (assessment); 3-103 (assessment, study area); 3-104 (planned quantity of water); 3-105 (study area, subwatershed); 3-106 (subwatersheds); 3-108 (study area); 3-109 (best planning estimates); 3-111 (study area); 3-112 (subwatershed, risk level, study area); 3-114 ( study area, assessment); 3-115 (region); 3-117 (vulnerable areas); 3-117 (significant, moderate); 3-118 (existing, committed, planned, wellfields); 3-137 (subwatersheds, low, moderate, significant); 3-123 (risk assessment); 3-125 (risk scenarios); 3-128 (study area, impacts, planned quantity water, planned quantity, allocated quantity); 3-128 (planned quantity water); 3-132 (water quantity risk level); 3-132 (risk level, moderate); 3-133 (risk); 3-136 (risk assessment, significant risk, existing, planned system, safe available drawdown, significant risk level, low, moderate risk level);	
	3-1, 3-89 (Province);3-42 (consumptive demand); 3-114 (plants); 3-118 (well);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	3-20; 3-30; 3-32; 3-74; 3-86; 3-91; 3-92; 3-96; 3-132; 3-136;	Add space to separate words, or after a period.
	3-1; 3-2; 3-3; 3-24; 3-34; 3-50; 3-54; 3-59; 3-60; 3-64; 3-66; 3-67; 3-68; 3-69; 3-74; 3-75; 3-76; 3-78; 3-80; 3-86; 3-87; 3-91; 3-92; 3-96; 3-99; 3-100; 3-101; 3-106; 3-111; 3-113; 3-117; 3-118; 3-123; 3-126; 3-128; 3-137;	Remove double space after period.
	3-26 (degree C); 3-36 (C 1), 3-38 (C 1); 3-42 (C 1); 3-54 (C 2); 3-58 (number and unit); 3-61 (subwatershed); 3-63 (o.reg); 3-75 (after dash); 3-104; 3-111 (after dash);	Remove extra space between words

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	3-123 (wellfield); 3-129 (before bracket so uniform); 3-132;	
	3-16 (results); 2-24 (suggests); 3-40 (surveys);	Add "s" to agree with the plural subject.
	3-20 (habitat); 3-78 (average)	Remove "s" when it does not agree with the singular tense.
	3-40 (-); 3-42 (-); 3-44 (-); 3-46 (-); 3-47 (-); 3-68, 3-78 (,); 3-70 (-), 3-80; 3-96 ("", "", ""); 3-99 (move . to end of sentence); 3-111 (-); 3-317 (-); 3-118(-); 3-137 ("", ""); 3-123 (- between wellfield for conformity); 3-129 (*); 3-132 (' '); 3-136 ("");	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	3-2, 3-13 (,); 3-2, 3-3, 3-35 (. textbox); 3-45 (, before but); 3-50 (, after similarly); 3-60, 3-68 (oxford comma); 3-78 (, before but); 3-90 (, after however); 3-117 (1,000); 3-118 (, after therefore); 3-125 (oxford comma); 3-123 (end of second bullet point . ); 3-126 (- in steady-state conformity); 3-128 (, after likewise); 3-132 (, before respectively);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	3-20 (: to .); 3-32 (; to -); 3-62 (/ to or); 3-317 (: to ,); 3-125 (; replace with ,); 3-136 (; to .)	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	3-69 (day to d); 375 (and shortform L/d);	Update units.
	3-20 (45, 31); 3-42 (25); 3-111 (Tier 2 – consistency); 3-114 (Tier 3 consistency);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
	3-3 (respectively); 3-3 (the); 3-4 (ORM); 3-18 (scarp); 3-31 (also); 3-32 (a separate study suggest that); 3-33 (of this assessment report); 3-41 (also; along that reach); 3-50 (respectively), 3-61 (called); 3-62 (such); 3-81 (respectively); 3-86 (respectively); 3-91 (respectively); 3-92 (respectively); 3-107 (year); 3-117 ("this is discussed below" – reader should expect that); 3-117 (respectively, the); 3-118 (was drawn, wells, therefore); 3-129 (respectively); 3-132 (alone); 3-136 (and);	Remove word to improve the clarity of text.
	3-3 (it to water); 3-4(/-and); 3-4 (-- to 'is an'); 3-18 (and here - where); 3-20 (have – has); 3-27 (proceeding – following); 3-33 (amounts to precipitation); 3-33 (these types of – rain and snow); 3-35 (on line to online); 3-36	Replace word to improve the clarity of text or if it is misspelled.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	(the foundation report referenced earlier – report name); 3-41 (chapter to section); 3-41 (rather to but); 3-45 (will not match to differs from); 3-59 (chapter to section); 3-60, 3-66 (; and to as well as); 3-90 (is to as); 3-96 (or to of); 3-101 (section to chapter); 3-111 (extract to extracted);	
	3-3 (and); 3-3 (the); 3-4 (River); 3-10 (include, include); 3-20 (this zone includes, complex); 3-27 (a, lowest, highest of); 3-29 (lowest, is, at, the highest is); 3-30 (lowest, is, at, the highest is); 3-32 (models); 3-36 (the); 3-38 (and); 3-40 (and); 3-41 (but, do); 3-45 (the, which); 3-47 (from the, and which); 3-50 (from the, as); 3-61 (and); 3-63 (; or between list); 3-68 (River x 4); 3-86 (reference to letter of climate scenario); 3-91 (as follows); 3-106 (and); 3-115 (page reference); 3-118 (a, cm); 3-128 (for); 3-132 (or);	Add word improve the clarity of text.
	3-26, 3-27 (millimeters – add l); 3-37 (bases - basis); 3-31 (Meterological); 3-68 (Nottawasaga);	Correct spelling.
	3-5 (GTA, ORM,) 3-7; 3-26 (MSC, LBPIA); 3-34 (ET);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	3-4 (masl –mASL); 3-34(SWP, CVC, CVSPA); 3-40 (spell out PTTW first time); 3-35 (spell out SPC first time); 3-40 (SPC); 3-47 (SPC); 3-67 (SPC); 3-100 (SPC); 3-61 (spelled out to acronym); 3-76, 3-113 (remove PSW); 3-78 (PTTW remove spelled out explained earlier in report); 3-26, 38, 39, 78 (remove WPCP); 3-78 (CVC); 3-100 (CVSPA); 3-101 (WHAP); 3-109 (PTTW);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.).
	3-36 (remove report name from citation); 3-27 (italicize et al, add year); 3-29 (italicize et al); 3-31 (author EC-NRC); 3-31, 3-32, 3-33 (reference to Chiotti and Lavender, 2008); 3-34 (italicize et al); 3-35 (bracket reference, un-italic author); 3-36 (separate v.12 from reference); 3-38 (add reference for Tier 2 WB); 3-67 (remove duplication); 3-75 (add Inc.); 3-96 (add and to	Update reference

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	reference); add brackets to reference); 3-103 (small x in EarthFx, and add Inc, and remove duplicate reference);	
	3-2; 3-13; 3-14; 3-18; 3-30; 3-31; 3-34; 3-36; 3-39; 3-54; 3-62; 3-63; 3-64; 3-105; 3-106; 3-115; 3-132;	Correct e.g., i.e., format
	3-3;	Add etc.
	3-54 (separate at therefore); 3-57 (separate at therefore); 3-68 (separate where rivers flow to three separate sentences); 3-99 (exchange ; rather for however);	Make one sentence two to improve the clarity of text or when there is a run-on sentence.
	3-109 (technical rules);	Italics words that are the title of a publication, and are defined in definition boxes.
	3-1 (AR), 3-2 (AR), 3-34 (AR); 3-38 (AR); 3-40(the); 3-47 (maximum percent water demand); 3-58 (AR); 3-61 (local area); 3-62 (local areas); 3-64 (in-aquifer); 3-66 (AR); 3-74 (aquifer); 3-75 (AR); 3-86 (existing pumping rates and existing land cover, future land cover and allocated pumping rates for existing wells and planned pumping rates for new wells); 3-91 (not); 3-101 (AR); 3-111 (aquifer), 3-112 (AR); 3-115 (quote); 3-123 (existing pumping rates and existing land cover; future land cover and allocated or planned pumping rates for existing or planned wells);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	3-1; 3-4; 3-10; 3-10; 3-12; 3-40; 3-41; 3-67; 3-74; 3-78; 3-86; 3-91/2; 3-96; 3-104; 3-125; 3-136;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	Chapter 3 (Change page numbers so page 1 starts at beginning of chapter and does not include index)	Correct page numbering.
	3-50 (lone sentence to associated paragraph); 3-67, 3-104 (combine two associated bullet points); 3-117 (move sentence that introduce local area, whap – q1 q2 to beginning of paragraph);	Update spacing alignment to make text consistent between ARs and clearer to read.
	3-24 Changed text from: Seventy six percent of the mean annual flow at the Cataract gauge (02HB002) is	Changed text to: At the Cataract gauge (02HB002), 76% of the mean annual flow is attributed to baseflow, while downstream

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	<p>attributed to baseflow, while only 62% of the mean annual flow downstream at Erindale is attributed to baseflow.</p> <p>3-41 Changed text from: If the water is never returned to the source, then usage is 100% consumptive. If all the water is returned to the source the consumptive demand is 0%.</p> <p>3-41 Changed text from: While it is possible to estimate the amount of streamflow needed along a particular reach of a stream to sustain ecological requirements along that reach, there are no clearly defined criteria for assessing ecological flow requirement within a watershed or subwatershed.</p> <p>3-45 (Region of Halton is currently in the process of responding to the Province’s <i>Places to Grow</i> legislation and has not published firm growth targets (to time of report)).</p>	<p>at Erindale (02HB002) only 62% of the mean annual flow is attributed to baseflow.</p> <p>Changed text to: If never returned to the source, than usage is 100% consumptive; if all is returned it is 0% consumptive.</p> <p>Changed text to: It is possible to estimate the amount of streamflow needed along a particular reach of a stream to sustain ecological requirements. However, there are no clearly defined criteria for assessing ecological flow requirement at a larger scale, such as within a watershed or subwatershed.</p> <p>Remove text that is repetitive, or redundant, to improve clarity, and consistency within and across ARs.</p>
<p>O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.</p>	<p>3-36 ([ to()); 3-45 (remove hanging bracket); 3-47 (remove brackets); 3-90 (remove extra); 3-108 (-)</p> <p>3-61 (local areas)3-96 (significant); 3-136 (significant);</p> <p>3-38 (surface water and groundwater fluxes); 3-62/3, 3-104/5 (words being defined so consistent with TRSPA); 3-70 (chapter 2 table 2.9); 3-91 (Section 3.8.3);</p> <p>3-35 (acronym letters); 3-54 (as such Part B analysis is not required); 3-59 (planned, and); 7-80 (were not); 3-132 (not a planned);</p> <p>3-7;</p> <p>3-10 (Square bracket to round bracket); 3-26 (remove title in list to make bullets same format); 3-63 (numbered to dots); 3-100 (create bulleted list out of sentence); 3-103 (remove extra bullet point); 3-115 (to filled in bullets for consistency);</p>	<p>Change brackets to be consistent.</p> <p>Un-bold text if emphasis is distracting.</p> <p>Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.</p> <p>Un-underline</p> <p>Update textbox to be consistent format.</p> <p>Update bullets to be consistent within and across assessment reports.</p>
<p>O.REG 287/07 S.51(4) An amendment that is made to</p>	<p>3-32; 3-36;3-60; 3-115;</p>	<p>MNR to MNRF</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	3-1; 3-26; 3-36; 3-40; 3-41; 3-47; 3-60; 3-69; 3-101; 3-111	MOE to MOECC
O.REG 287/07 S.51(5) An amendment that is made to correct errors in the numbering of provisions of the source protection plan and any related changes in cross-reference.	3-41;	Change reference number where additional material can be found.
O.REG 287/07 S.51(6) An amendment that is made to correct errors, if it is patent that an error has been made and what the correction should be.	3-15;	Change mean annual streamflow from 0.6 m <sup>3</sup> /second to 51.5 m <sup>3</sup> /day.
	3-33;	Remove text “Although annual precipitation totals will likely increase” because contradicts previous cited sentence.

# **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

**Last Updated: January 2018**

*The following amendments were made to Chapter 4 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.*

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.</p>	4-1 (SPC, SPA); 4-2 (SPA); 4-7, 4-8, (see); 4-11 (vulnerability score); 4-11 (watershed region); 4-16 (town’s); 4-18 (Towns); 4-22, 4-23 (Town’s); 4-28 (township); 4-32 (the); 4-32 (study); 4-46 (water system); 4-47 (area); 4-48 (time, travel); 4-61 (source protection); 4-62 (regional); 4-66 (vulnerability); 4-73 (region); 4-79 (assessment reports); 4-79 (km); 4-80 (information); 4-87 (conservation authorities);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	4-3, 4-87 (Province); 4-22 (Lakes); 4-80 (Type);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	4-12 (separate unit and number); 4-66; 4-77;	Space added to separate words, or after a period.
	4-1; 4-4; 4-11; 4-13; 4-16; 4-18; 4-22; 4-23; 4-27; 4-32, 4-33; 4-34; 4-38; 4-45; 4-48; 4-56; 4-58; 4-59; 4-62; 4-75; 4-77; 4-81; 4-86; 4-87; 4-88;	Remove double space after period.
	4-12 (before dash); 4-38 (WHAPs); 4-79; 4-80;	Remove extra space between words or punctuation.
	4-2 (aquifers); 4-16 (delineations);	Add “s” to agree with the plural subject.
	4-13 (locations); 4-16 (Orangeville’s, Mono’s); 4-23 (WHAPs ); 4-38 (Erin’s, Hillsburgh’s and Bel Erin’s); 4-48 (WHAPs);	Remove “s” when it does not agree with the singular tense.
	4-11 (“low”); 4-18 (.); 4-23 (.); 4-33 (,); 4-45 (;); 4-48 (-); 4-53 (,); 4-59, 4-60 ( . From table so consistent); 4-61 (.); 4-86 (.); 4-87 (-);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	4-7 (,); 4-8 (,); 4-16 (WHAP-A); 4-16 (,); 4-18 (,); 4-32 (,); 4-33 (,); 4-45 (,); 4-74 (,); 4-75 (IPZ-1); 4-86 (,); 4-88 (-);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.



TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	4-2 (. - :); 4-4 (& - and); 4-61 (# -# to #-#); 4-66 (: -.); 4-73, 4-38 (remove dash in TOT consistency); 4-74 (& to and); 4-76 (; -.); 4-76 (; to -); 4-80 (; to -); 4-87 (: to -);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	4-12 (43); 4-16 (12); 4-76 (1, 2, 3); 4-88 (2)	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
	4-3 (respectively); 4-11 (the); 4-12 (of); 4-14 (higher); 4-45 (and); 4-61 (been); 4-66 (upon); 4-73 (of); 4-77 (summary of drinking water threats and issues – consistency); 4-87 (drinking water threats assessment); 4-89 (however);	Remove word to improve the clarity of text.
	4-2 (when released into the environment – based on surrounding environmental factors); 4-11 (and-an); 4-11 (3-Dimensional - three dimensional); 4-16 (is – are); 4-16, 4-32 (well head - wellhead); 3-19 (the paucity of data – data gaps); 4-33 (pump rates Erin and Hillsburgh - Erin and Hillsburgh pump rates); 4-38, 4-66 (through – to); 4-58 (delineating – delineation); 4-62 (localized to local, was – to be); 4-66 (on – in); 4-75 (a – in); 4-76, 4-86 (2-hr TOT – 2-hour time of travel); 4-76 (and is – which are); -80 (factors – circumstances); 4-81 (one – intake);	Replace word to improve the clarity of text or if it is misspelled.
	4-3 (a); 4-7 (technical); 4-14 (the); 4-18 (and); 4-28 (of Amaranth); 4-28 (and); 4-33 (to); 4-45 (was); 4-58 (for Acton and Georgetown); 4-66 (and); 4-77 (following); 4-75 (Vulnerability analysis considered); 4-76 ((1)(2) – consistency); 4-81 (Figure); 4-89 (and);	Add word improve the clarity of text.
	4-22 (NVSPA – first use);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	4-3 (WWIS – use acronym); 4-11 (add YPDT); 4-11, 4-18, 4-23, 4-28, 4-32, 4-87 (AVI)4-14, 4-16, 4-22; 4-27, 4-33, 4-46; 4-58; 4-61; 4-73 (SPC); 4-16 (remove PTTW for permitted rate); 4-27 (NVSPA, GRSPA); 4-48 (GRSPA); 4-76, 4-88 (remove TOT not used in rest of report); 4-79 (TRSPA); 4-80 (WTP); 4-81 (remove extra H from	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	HHSPA);	
	4-16, 4-22, 4-27, 4-32, 4-33, 4-46; 4-58; 4-66 (shift reference out of title quotation marks and into brackets); 4-61 (multiple reference separated by ); 4-61 (year in bracket when reference included in text); 4-77 (create bulleted list of foundation reports);	Update reference to be in correct and consistent form.
	4-1, 4-53; 4-62;	Correct e.g., i.e., format.
	4-1 (2006);	Italics words that are the title of a publication, and are defined in definition boxes.
	4-7, 4-11, 4-16, 4-22, 4-27, 4-32, 4-33; 4-58; 4-61, 4-62, 4-73, 4-77; 4-80; 4-88 (Assessment Report); 4-13 (in the WHPAs); 4-76 (beginning or IPZ-2 explanation, hydrodynamic models and bathymetry– not first time used, limit);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	4-1; 4-2; 4-7; 4-27; 4-28; 4-38; 4-46; 4-47; 4-48; 4-61; 4-73; 4-75; 4-76; 4-80;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	4-1 to 4-6 (update page numbers);	Correct page numbering.
	4-2 Text changed from: In <b>Chapter 5</b> , the natural vulnerability of an area is considered along with specific contaminants to determine risk, as contaminant behaviour varies when released into the environment.	Text changed to: In <b>Chapter 5</b> , the natural vulnerability of an area is considered along with specific contaminants to determine risk, as contaminant behaviour varies based on surrounding environmental factors.
	4-74 Text changed from: This program is anticipated to commence in early 2011.	Text changed to: This program commenced in early 2011.
	4-8 (since it would not make practical sense to protect them);	Delete repetitive text or to improve the clarity of text.
	4-2 (The vulnerability of drinking water to water quantity depletion is assessed under the water budget component of this report. The results of the Aquifer Vulnerability Index (AVI) are used in the delineation and vulnerability scoring of HVAs, as well as in the vulnerability scoring of the SGRAs.)	Add text for consistency across ARs

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.</p>	4-58 (superscript increase font)	Change font size to match rest of report.
	4-1 (add start bracket to acronym); 4-23 (add start bracket to aside); 4-38 (remove brackets around “A through D”); 4-62 (add start bracket to chapter reference);	Change brackets to be consistent.
	TOC, 4-48 (brackets);	Un-bold text if emphasis is distracting.
	4-16 (Chapter 3.7); 4-28 (Figure 4.12); 4-33 (Figure 3.18; Chapter 3); 4-38 (Table 4.2); 4-62 (Figure 3.18); 4-75 (Table 2.5);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	4-38 (Erin, Hillsburgh, Bel-Erin); 4-73 (Alton, Cheltenham);	Un-underline text if emphasis is distracting.
	4-73 (number – point);	Update bullets to be consistent within and across assessment reports.
	4-11 (group single sentence into paragraph);	Update spacing alignment to make text consistent between ARs and clearer to read.
<p>O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.</p>	4-18; 4-58;	MNR to MNRF
	4-3; 4-14; 4-18; 4-32; 4-38; 4-53; 4-62;	MOE to MOECC
	4-12; 4-15;	Add link to <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>
<p>O.REG 287/07 S.51(5) An amendment that is made to correct errors in the numbering of provisions of the source protection plan and any related changes in cross-reference.</p>	4-12 (Section 4.3 – 4.9); 4-18 (Chapter 4.3 – Chapter 4.2); 4-18 (Table D-6 – Table D2-6); 4-19 (Chapter 4.3 – 4.2); 4-22 (Chapter 4.3 – 4.2); 4-23 (Table D-16 – D2-16); 4-27 (Chapter 4.3 - 4.2); 4-28 (Chapter 4.3 – 4.2); 4-28 (Chapter 4.3 - 4.2); 4-33 (Chapter 4.3 -4.2); 4-38 (Chapter 4.3 – 4.2); 4-58 (Chapter 4.3 – 4.2); 4-66 (Chapter 4.3 – 4.2);	Correct errors in the numbering of provisions.

# **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

**Last Updated: January 2018**

*The following amendments were made to Chapter 5 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.*

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.</p>	<p>5-1 (conservation authority, municipality); 5-8 (drinking water issue); 5-10 (source protection plans); 5-12 (impervious); 5-14 (studies, see, significant, level, risk); 5-15 (towns); 5-18 (risk level, low, see, significant level risk, moderate level risk); 5-22 (managed lands, moderate); 5-33 (region's); 5-38 (issues); 4-48 (water system); 5-61 (town); 5-75, 5-77 (region); 5-86, 5-88 (region); 5-91 (snow, storm management systems); 5-92, 5-93 (region); 5-107 (region); 5-110 (studies, towns, lake based, regional municipalities); 5-117 (wastewater treatment plants, water treatment plant); 5-119 (source protection committees); 5-119 (identification, protection plans); 5-122 (creeks, significant drinking water threat); 5-123 (source protection areas); 5-131 (significant drinking water threat, event area); 5-144 (watersheds); 5-146 (see, summary water treatment plants); 5-148 (study, municipalities); 5-148 (area creeks); 5-149 (identification); 5-151 (source protection committee, source protection plan);</p>	<p>Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.</p>
	<p>5-8 (Database); 5-14, 5-15, 5-19, 5-149 (Province);</p>	<p>Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.</p>
	<p>4-48; 5-88; 5-107; 5-108; 5-122; 5-146;</p>	<p>Space added to separate words, or after a period.</p>
	<p>5-1; 5-6; 5-7; 5-8; 5-12; 5-13; 5-15; 5-18; 5-19; 5-28; 5-38; 5-43; 5-75; 5-76; 5-86; 5-87; 5-91; 5-107; 5-118; 5-</p>	<p>Remove double space after period.</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	119; 5-121; 5-122; 5-142; 5-51;	
	5-21; 5-38; 5-87;	Remove extra space between words or punctuation.
	5-76 (threats); 5-86 (shows, concentrations); 5-143 (discharges);	Add “s” to agree with the plural subject.
	5-18 (uses); 5-33 (tables);	Remove “s” when it does not agree with the singular tense.
	5-6 (-); 5-11 (-); 5-12 (,); 5-13 (“); 5-13 (-); 5-21 (-); 5-31 (-); 5-38 (,); 5-54 (-); 5-57 (-); 5-61 (-); 5-75 (-); 5-92 (-); 5-110 (-); 5-11 (“); 5-114 (’); 5-119 (“); 5-142 (-);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	5-5 (. To text box); 5-8 (,); 5-10 (,); 5-12 (,); 5-35 (.); 5-38 (1,000); 5-38 (oxford comma); 5-38 (,); 5-45 (,); 5-54 (,); 5-75 (1,000); 5-86, 5-87 (-); 5-122 (,); 5-123 (-,); 5-131 (,); 5-142 (,); 5-146 (,);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	5-5 (; to -); 5-8 (/ - and); 5-33 (& - and); 5-75 (‘s – s’); 5-86 (: - .); 5-91 (; - .); 5-142 (change to right facing quotation); 5-147 (; - .);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	5-32 (12); 5-38 (227, 78); 5-47 (79); 5-48 (55); 5-57 (28); 5-75 (27); 5-93 (28, 16); 5-149 (3);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
	5-1 (must); 5-6, 5-15 (however); 5-8 (a); 5-12 (of this assessment report); 5-12 (to be used); 5-22 (respectively); 5-37 (are); 5-42 (to the, and to); 5-44, 5-76 (respectively); 5-44 (if); 5-55 (following, around); 5-86 (and); 5-90 (a); 5-92 (respectively, confirmatory, however, the, of); 5-93 (This is discussed below); 5-145 (however); 5-146 (in the order of);	Remove word to improve the clarity of text.
	5-33, 5-55 (E3.2 – E3); 5-37 (or – are); 5-38 (a – the); 5-45 (for – and); 5-55 (was – were); 5-60 (following – the); 5-75 (a – the); 5-76 (this – the); 5-86 (s have); 5-86 (fluctuation – fluctuating); 5-91 (of – or); 5-114 (don’t – do not); 5-119 (are – area); 5-134 (CVSPA – CTC SPR); 5-143 (this – completing the); 5-148 (facilities – facility); 5-149 (CVSPA – CTC SPR);	Replace word to improve the clarity of text or if it is misspelled.
	5-1 (2012); 5-33, 5-48 (Table); 5-61 (CVSPA); 5-77 (a); 5-92 (that are); 5-110 (and); 5-122 (with); 5-131 (Figure); 5-143 (of); 5-144 (includes a chapter that, in Ontario);	Add word improve the clarity of text.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	5-51 (and);	
	5-12 (AML); 5-44 (WPCP); 5-131 (EBA); 5-147 (ET);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	5-7 (ICA); 5-8 (SPC); 5-8, 5-10 (IPZ-2); 5-11 (AML, NAML); 5-12 (CVC); 5-14 (O.Reg); 5-32 (CVC); 5-38 (ICA); 5-44 (ICA); 5-62; 5-86 (ODWS); 5-75 (WHAP); 5-75 (ICAs); 5-88 (WHO, MAC, CCME, 1, 2 DCE, ICA); 5-90 (ICA); 5-91 (ICA); 5-92 (ICA); 5-108 (ICA); 5-110 (IPZ, WTP); 5-119 (WTP, WWTP, MIKE); 5-121 (WWTP); 5-123 (ODWS); 5-131 (SDWT, EBA, IPZ); 5-148 (WWTP, WTP, CSO, STS);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	5-22, 5-24, 5-28 (Halton Hills Tier 3 Water Budget Study – AquaResource and AECOM, 2014); 5-144, 5-145 (remove full reference replace with Chiotti and Lavender, 2008); 5-144 (add a to O’Connor, 2002); 5-145 (same format);	Update reference to be in correct and consistent form.
	5-8; 5-10; 5-18; 5-45; 5-76; 5-122; 5-123; 5-147;	Correct e.g., i.e., format.
	5-45, 5-76; 5-91, 5-110; 5-142 (Technical Rule); 5-110 (Safe Drinking Water Act)	Italics words that are the title of a publication, and are defined in definition boxes.
	5-7, 5-9, 5-12, 5-32, 5-47; 5-60, 5-92, 5-122, 5-131, 5-143, 5-147, 5-148, 5-149 (Assessment Report); 5-10 (MOECC); 5-14 (subwatersheds); 5-38, 5-86 (ODWS); 5-147 (This was done to isolate impacts due to climate change); 5-148 (threshold); 5-149 (9,539, 6,725)	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	5-6; 5-7; 5-9; 5-10; 5-11; 5-13; 5-14; 5-31; 5-38; 5-44; 5-61; 5-75; 5-91; 5-92; 5-111; 5-119;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	5-44 (Wells 2A, 5/5A, 7 – added to ICAs for Orangeville);	Add missing text.
O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print	5-35, 5-36; 5-49; 5-50; 5-51; (table note to 9 font);	Change font size to match rest of report.
	5-21, 5-111 (square to round brackets); 5-88 (1 bracket to 2); 5-91 (remove brackets); 5-119 (right bracket to left); 5-129, 5-131 (remove);	Change brackets to be consistent.
	TOC, 5-9 (Appendix E.1); 5-11 (no significant or	Un-bold text if emphasis is distracting.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
presentation.	moderate threats); 5-12 (no significant or moderate threats); 5-21 (no significant threats, eight, 1148); 5-48 (through); 5-29 (three); 5-149 (3);	
	5-9 (Chapter 4); 5-14 (Appendix E.1); 5-15 (Table 5.2); 5-18 (Table 5.4); 5-21 (n, n, Figure 4.2, Figure 4.4); 5-38 (Figure 2.21, Figure 2.22); 5-87 (Figure 2.33, Figure 2.34); 5-131 Figure 5.60, Figure 5.62);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	5-3; 5-5; (water quality, water quantity); 5-76 (chloride); 5-29 (three); 5-149 (3);	Un-underline text if emphasis is distracting.
	5-6, 5-9, 5-10; 5-43; (size of bullet the same throughout the report);	Update bullets to be consistent within and across assessment reports.
	5-38 (combine lone sentence into paragraph); 5-92	Combine paragraphs
	5-32, 5-33; 5-38; 5-44; 5-48; 5-55; 5-60; 5-75; 5-92; 5-147;	The name of reports are surrounded by quotation marks with the author and year in brackets.
	5-9 (single space between “where” lines for hazard equation); 5-25 (align table title); 5-40, 5-41 (align figure title);	Update spacing alignment to make text consistent between ARs and clearer to read.
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	5-147;	MNR to MNRF
	5-1; 5-4; 5-6; 5-8; 5-10; 5-12; 5-13; 5-44; 5-47; 5-54; 5-75; 5-76; 5-90; 5-91; 5-93; 5-118; 5-119; 5-123; 5-142; 5-51;	MOE to MOECC
	5-1; 5-8; 5-9; 5-10; 5-21; 5-44; 5-91; 5-110; 5-111; 5-113; 5-148; 5-151;	Update link to <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>
	5-52-54; 5-58-60; 5-66-74; 5-80-85; 5-98-106;	Updated text on figure to direct to <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>
O.REG 287/07 S.51(5) An amendment that is made to correct errors in the numbering of provisions of the source protection plan and any related changes in cross-reference.	5-66 (Appendix E4 to Appendix E3); 5-92 (Appendix E6 – E3); 5-147 (Chapter 3.7.5 – Chapter 3.6);	Correct errors in numbering.

# NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT

Last Updated: January 2018

The following amendments were made to Chapter 6 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	6-1 (assessment report, source protection plan, wellhead protection area); 6-2 (conservation authority, significant, moderate, low, source protection plan); 6-3 (intakes, event); 6-3 (municipalities); 6-5 (area creeks); 6-6 (identification, source protection plan, plans); 6-7 (assessment report); 6-8 (source protection plan, source protection area, source protection regions, source protection authority); 6-9 (source protection plan, assessment report);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	6-1 (Province);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	6-2; 6-3;	Space added to separate words, or after a period.
	6-2; 6-5; 6-6;	Remove double space after period.
	6-5; 6-7;	Remove extra space between words or punctuation.
	6-2 (conservation authority's); 6-5 (rules);	Add "s" to agree with the plural subject.
	6-5 (requires);	Remove "s" when it does not agree with the singular tense.
	6-1, 6-2 (-); 6-2 (,); 6-5 (-), 6-8 (-);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	6-2 (,); 6-6 (,); 6-7 (,);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	6-1 (; - .); 6-5 (; - .);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
6-6, 6-8 (three);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.	



TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	6-1 (be); 6-6, 6-7 (CVSPA);	Remove word to improve the clarity of text.
	6-1, 6-2, (Nov – November); 6-6 (CVSPA – CTC Source Protection Region);	Replace word to improve the clarity of text or if it is misspelled.
	6-1 (the); 6-3 (the); 6- 6-8 (Assessment); 6-5 (of);	Add word improve the clarity of text.
	6-5 (WWTP, WTP, LOC); 6-6 (SWP, SPC)	Spell out acronym when it is the first time the acronym is used, or for clarity.
	6-3 (ICA); 6-5 (LOC, CSO, STS, IPZ, EBAs); 6-8 (SPC)	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	6-5;	Correct e.g., i.e., format.
	6-6 (run on: in order to - . This will);	Make one sentence two to improve the clarity of text or when there is a run-on sentence.
	6-1 (Canadian Water Quality Guidelines); 6-2 (Technical Rules); 6-8 (proposed CTC Source Protection Plan); 6-8 (Amended Proposed Source Protection Plan);	Italics words that are the title of a publication, and are defined in definition boxes.
	6-1 (Wellhead Protection Area studies, 2010); 6-2, 6-6, 6-7 (Assessment Report); 6-3 (7,117); 6-5 (threshold); 6-8 (Report);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	6-5;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	TOC; 6-1;	Correct page numbering.
	6-7 Ongoing studies and continuous improvement built into water management programs serve to improve analyses and reduce uncertainty. Future editions of the CVSPA Assessment Report will reflect such improvements. Because of the combined uncertainties of delineation, vulnerability, and scoring and the lack of land-use data, the uncertainty level for threats assessment in the CVSPA jurisdiction is moderate to high.	Delete repetitive text or to improve the clarity of text.
O.REG 287/07 S.51(2)	6-1 (around year of cited report);	Change brackets to be consistent.
An amendment that is made to	TOC, 6-1 (watershed characterization, water budget); 6-	Un-bold text if emphasis is distracting.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
alter the style or presentation of text or graphics in order to improve electronic or print presentation.	2 (vulnerability, SGRAs, WHPAs, IPZs, potential, threats, must, may); 6-3 (three); 6-5 (potential); 6-6 (3); 6-8 (must, 3, quality, 9,539, 392, quantity);	
	6-2 (Chapter 3); 6-3 (three);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	6-6 (3); 6-8 (3, 9,539);	Un-underline text if emphasis is distracting.
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	6-5;	MOE to MOECC
	6-1 (The next step is to develop a source protection plan to protect these sources.);	Delete text
	6-1; 6-5;	Update link to <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>

# **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

**Last Updated: January 2018**

*The following amendments were made to Chapter 7 of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.*

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	Whole chapter	Update references to all have the same format.
O.REG 287/07 S.51(6) An amendment that is made to correct errors, if it is patent that an error has been made and what the correction should be.	Whole chapter	Add reference that are cited in Chapters 1-6 and missing from reference list.

## **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

**Last Updated: January 2018**

The following amendments were made to Appendix A of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CENTRAL LAKE ONTARIO ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	A-1 (municipal, provincial, federal, internal);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	A-1;	Remove double space after period.
	A-1;	Remove extra space between words or punctuation.
	A-4, A-10 (.);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	TOC (heading); A-2 (of);	Remove word to improve the clarity of text.
	A-1 (characterization study – report);	Replace word to improve the clarity of text or if it is misspelled.
A-1; A-2;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.	
O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.	Entire chapter	Updated template to match rest of report (shift margins, update headers and footers, etc.).
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	A-1; A-8;	MNR to MNRF
	A-1; A-8;	MOE to MOECC
	A-2;	Ministry of Northern Development, Mines, and Forestry – Ministry of Northern Development, and Mines

## **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

**Last Updated: January 2018**

*The following amendments were made to Appendix B of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.*

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	B1-1 (planning, source water protection, monitoring network); B1-2 (plan); B1-5 (watershed); B1-10 (conservation authorities); B1-14 (quality, Rose); B1-15 (Piper, Stiff, Rose, source water protection); B1-16 (watershed); B1-17 (there, watershed); B2-1 (appendix);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	B1-2 (Province); B1-15 (Piper, Stiff, Rose);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	B1-5; B1-9; B1-11; B1-12; B1-15; B1-16; B1-17; B2-1; B2-2; B2-3;	Remove double space after period.
	Throughout report remove space after hyphen for tables, figures, sections.	Remove extra space between words or punctuation.
	B1-1 (follows);	Remove "s" when it does not agree with the singular tense.
	B1-2 (.); B1-13 (: ); B1-14 (: ); B2-7 (-);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	B1-14 (,); B1-15 (,); B1-17 (,); B2-1 (.); B2-2 (-); B2-7 (.);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	B1-12 (# - number); B1-17 (. To -);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	B1-11 (49);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
	TOC (heading); B1-14 (unit); B2-1 (as);	Remove word to improve the clarity of text.
	B1-14 (ex. – e.g.); B2-1 (has – have, analyse - analyze)	Replace word to improve the clarity of text or if it is misspelled.
B1-5 (an); B1-12 (in); B1-13 (such); B1-14 (a);	Add word improve the clarity of text.	

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	B1-16 (WWTP);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	B1-1, B1-10, B1-13 (CA);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	B1-13 (remove month);	Update reference to be in correct and consistent form.
	B1-12; B1-16; B2-1;	Correct e.g., i.e., format.
	B1-1; B1-11; B1-14; B1-16; B2-1;	Bulleted list is capitalized, with semi-colon after each point, with "and" at end of second last point, and a period after the last point.
	B2 (start at page 1);	Correct page numbering.
	B1	Add reference list
	B1-15 Change sentence from: The analysis of buried valleys in the vicinity of Acton and Georgetown municipal systems are currently part of the focus of the Tier 3 study undertaken for the Town of Halton Hills.	Change sentence to: The analysis of buried valleys in the vicinity of Acton and Georgetown formed part of the focus of the Tier 3 water budget study undertaken for the Town of Halton Hills.
O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.	B1-1;	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	B1-2 (shift text to complete first sentence of new paragraph);	Update spacing alignment to make text consistent between ARs and clearer to read.
	The whole chapter	Update template to reflect the other chapters
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	B1-3; B1-5; B1-9; B1-10; B2-1;	MNR to MNRF
	B1-2; B1-9; B1-10; B2-20;	MOE to MOECC

# **NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

Last Updated: January 2018

The following amendments were made to Appendix C of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.</p>	<p>C1-1, C1-5, C1-6, C1-18, C1-28, C2-9, C2-11, C2-13, C2-29, (watershed); C1-11 (manicured, rural, urban, landfill, coniferous); C1-15 (region, escarpment, watershed); C1-16 (region's); C1-17 (escarpment); C1-22 (the); C1-26 (low, moderate, high); C1-27 (surface); C1-36 (subwatersheds); C1-37, C1-38 (study team); C2-1 (subwatershed, study area, watershed); C2-3 (assessment); C2-5 (the); C2-8, C2-13, C2-15, C2-30, (town); (watershed); C2-12, C2-13, C2-14, C2-16, C2-21, C2-24, C2-27, C2-30, C2-31, C2-31 (study area); C2-15 (moraine); C2-17 (rivers); C2-20 (day); C2-22 (watershed, headwaters subwatershed); C2-24 (rivers, watershed); C2-32 (well, wells); C2-34 (assessment, existing, allocated rates); 2-35 (existing, allocated rates, study area); 2-36 (town); 2-37 (assessment, committed, planned demands, town, population, build-out); C2-38 (town, plus, assessment, subdivisions, existing, planned committed, demand); C2-39 (study area); C2-40 (study, towns, townships, watershed, commercial, study area); C2-43 (study area); C2-44 (exitsting); C2-46 (moraine); C2-47 (study area, existing committed planned); C3-1 (subwatershed, study area, assessment, subwatershed, watershed); C3-3 (assessment); C3-7 (assessment); C3-12 (the); C3-20 (municipal, study area); C3-28 (subwatershed); C3-32 (assessment, pumping); C3-34 (assessment, subwatershed); C3-41 (assessment); C3-42</p>	<p>Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	(mean error, root mean squared error, normalized root mean squared error, subwatershed, watershed); C3-49 (subwatershed); C3-51 (assessment, study area); C3-52 (to); C3-55 (pumped water level, water, safe additional in-well drawdown, safe water level); C3-57 (existing, allocated rates); C3-58 (existing, allocated rates, study area); C3-61 (assessment, maximum annual average daily taking); C3-62 (study area, assessment); C3-64 (subwatersheds, study area, region); C3-67 (existing committee planned, wellfields); C3-70 (study area); C3-71 (existing plus committed plus planned); C3-72 (study area, existing committed planned, this); C3-73 (existing committed planned, calibrated); C3-74 (decreased, increased recharge, base case);	
	C2-29 (Subwatershed); C2-36 (Where); C3-8 (Escarpment); C3-19 (Creek); C3-32 (Escarpment); C3-67 (Province);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	C2-1; C2-11; C3-4; C3-12; C3-26; C3-28; C3-55; C3-71; C3-72; C3-73;	Space added to separate words, or after a period.
	Throughout report	Remove double space after period.
	C1-6; C2-30; C2-43; C3-2; C3-4; C3-6; C3-35; C3-39; C3-53; C3-58; C3-67; C3-69; C3-70;	Remove extra space between words or punctuation.
	C3-33, C3-42 (subwatersheds); C3-64 (wells);	Add "s" to agree with the plural subject.
	C1-8; C1-17 (' '); C1-18 (s'); C2-3 (-); C2-13 (.); C2-43 (-); C3-7 (-); C3-22 (-); C3-62 (-);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	C1-10 (,); C1-13 (,); C1-18 (,); C2-7 (,); C2-16 (,); C2-18 ('); C2-20 (, -); C2-22 (-); C3-12 (,); C3-15 (,); C3-16 (,); C3-20 (,); C3-28 (,); C3-32 (,); C3-41 (.); C3-42 (.); C3-72 (-); C3-74 (,);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	C1-10 (, - .); C1-11 (degrees - %); C1-16 (, - .); C1-17 (, - .); C1-22 (, - .); C1-26, C1-27, (close quotation to open quotation); C2-4, C2-16, (, - .); C2-32 (: - .); C3-20 (, - .); C3-20 (: - .); C2-55 (: - .); C3-57 (; - .); C3-58 (: - .); C3-74 (, - .);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.



TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	C1-21 (25); C1-38 (four, seven); C1-39 (seven, 28); C2-5 (nine); C2-7 (six, four); C2-14 (nine); C2-15 (two); C2-47 (four); C3-1 (2); C3-10 (3); C3-33 (four); 3-41 (3); 3-42 (3); C3-51 (2 3); C3-61 (3); C3-62 (2 3); C3-71 (3);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit. Use number when referring to water budget or vulnerable area.
	TOC (titles); C1-45 (respectively); C2-9 (measures); C2-22 (surface); C2-43 (for the); C3-1 (be); C3-10 (Section 5); C3-49 (the); C3-50 (year); C2-53 (seasonal); C3-74 (when, as shown, of the);	Remove word to improve the clarity of text.
	C1-28 (sub – subwatershed); C2-10 (the – this); C2-47 (were – was); C3-20 (was – were); C3-42 (an – a); C3-62 (extract – extracted); C3-74 (when – that, do - does);	Replace word to improve the clarity of text or if it is misspelled.
	C2-14 (units); C2-15 (and); C2-22 (Lake); C3-8 (came, the); C3-13 (Figure); C3-20 (on); C3-33 (on); C3-55 (a); C3-67 (which); C3-70 (a);	Add word improve the clarity of text.
	C1-11 (OMB); C2-1, C2-13, (sub); C2-9 (LID, BMP); C3-7 (WWTP); C3-61 (EA);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	C1-7; C1-28 (MOECC); C1-10 (ELC); C1-39 (NPAD); C2-29 (yr, d); C2-38 (d); C3-3 (SWM, E-T); C3-8 (GRCA); C3-12 (TRCA);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	C1-14; C1-15; C1-37; C2-37	Update reference to be in correct and consistent form.
	C1-10; C1-17; C1-26; C1-27; C2-3; C2-12; C2-18; C2-20; C2-45; C3-3; C3-6; C3-33; C3-35;	Correct e.g., i.e., format.
	C1-10, C1-11, C2-39, (name of a report); C1-37, C1-45 (Technical Rules); C2-38 (Acts); C3-71 (technical rules);	Italics words that are the title of a publication, and are defined in definition boxes.
	C2-35 (to derive one estimate of total safe additional aquifer drawdown)	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	C1-6; C1-11; C1-22; C2-22; C2-30; C2-31; C2-45; C2-46; C1-3; C3-73;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	C3-1 (Appendix B – Table C3-13); C3-39 (Error reference source not found – C3.8.4);	Correct errors in numbering of provisions.
	C1; C2; C3	Update reference list

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.</p>	C1-12, C1-13, C2-35 (superscript); C1-26 (subscript)	Change font size to match rest of report
	C1-5 (square – round);	Change brackets to be consistent.
	C2-1, C2-16, C2-24, (figure, table reference);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	C2-13, C2-44 (bullet first point);	Update bullets to be consistent within and across assessment reports.
<p>O.REG 287/07 S.51(3) If the source protection plan contains a provision that is contingent on the occurrence of a future event and the event occurs, an amendment that is made to remove the text referring to the contingency and to make any related changes.</p>	C2-13 This document outlines the first of the three stages; calibration and verification. The remaining two steps, Scenarios and Sensitivity Analysis, are discussed in the Part B: Risk Assessment report (in progress).	Delete text that is no longer relevant to chapter.
	C2-37 Water demand estimates for these developments are described in Appendix A.	Delete text that is no longer relevant to chapter.
<p>O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.</p>	C1-5; C3-7; C3-64; C3-67;	MNR to MNRF
	C1-5; C1-6; C1-7; C1-27; C1-28; C1-33; C1-34; C1-36; C1-37; C2-29; C2-30; C2-39; C3-7; C3-52; C3-62; C3-69;	MOE to MOECC
	C1-38	OMAF - OMAFRA

**NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT**

Last Updated: January 2018

The following amendments were made to Appendix D of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
<p>O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.</p>	<p>D1-1 (section, vulnerability analysis); D2-1 (highly vulnerable, aquifer, high, low, issues, risk score, vulnerability); D2-2 (aquitard); D2-9 (rules); D2-10 (high volume recharge aquifers, assessment); D2-11 (subwatershed, assessment, wetlands, study); D2-12 (uncertainties); D2-17 (study area); D2-18 (capture, town); D2-19 (town, assessment); D2-22 (study area); D2-24 (surficial); D2-25 (area vulnerability, source vulnerability); D2-26 (wells); D2-27 (vulnerability, source vulnerability factor, intake); D2-31 (vulnerability, source vulnerability factor); D2-32 (town); D2-33 (town, model); D2-35 (conductivity); D2-36 (estimates, subdivision, drain boundary); D2-37 (town); D2-38 (county); D2-39 (factors); D2-40 (study); D2-41 (assessment, region); D2-53 (setbacks); D2-54 (vulnerability); D2-61 (vulnerability); D2-62 (vulnerability, source vulnerability factor, intake); D2-64 (study); D2-70 (operations); D2-73 (municipal); D2-74 (creeks); D2-75 (vulnerability score summary); D4-1 (Assessment Report); D4-1 (source protection authorities); D4-1 (technical, managed, imperviousness); D4-2 (the); D4-5 (transport); D4-6 (the); D4-7 (borehole, quarries); D4-13 (pathways); D4-21 (region); D4-24 (delineation); D4-29 (see); D4-36 (vulnerability assessment); D4-37 (see, management land, imperviousness, delineation); D4-38 (vulnerability,</p>	<p>Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.</p>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	management land, imperviousness);	
	D2-10 (rule); D2-35 (Permits, Water); D2-39 (Well); D2-63 (Lake); D2-73 (Type); D4-5 (Rule); D4-12 (buffer); D4-19 (Section);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	D2-7; D2-11; D2-27; D2-31; D2-39; D2-62; D2-63; D2-64; D2-68; D2-69; D2-74; D4-23;	Space added to separate words, or after a period.
	D1-1; D2-10; Throughout chapter.	Remove double space after period.
	D2-7; D2-10; D2-28; D2-32; D2-42; D2-71; D4-7; D4-21; D4-23; D4-36;	Remove extra space between words or punctuation.
	D2-2 (describes); D2-18, D2-29 (MOECC's); D2-30 (WHPAs); D2-40 (delineations); D4-29 (WHPAs);	Add "s" to agree with the plural subject.
	D2-30 (show);	Remove "s" when it does not agree with the singular tense.
	D2-1 (,); D2-9 (hanging bracket, -); D2-10 (-); D2-12 (-); D2-18 (-); D2-22 (.); D2-23, D2-25 ("); D2-35 (brackets); D2-61 (.); D2-64 (-); D2-68 (;); D2-70 (hanging bracket); D2-79 (,); D4-5 (brackets); D4-8 (.); D4-17 (.); D4-29 (-); D4-37 (-);	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	D2-2 ( . -); D2-7 (-); D2-8 (.); D2-10 (,); D2-11 (,); D2-16 (-); D2-16 (,); D2-19 (,); D2-25 (-); D2-27 (,); D2-28 (,); D2-29 (,); D2-31 (,); D2-32 (,); D2-33 (,); D2-35; D2-38 (,); D2-39 (,); D2-41 (,); D2-43 (.); D2-44 (-); D2-52 (-); D2-53 (end quotation mark); D2-58 (,); D2-59 (.); D2-60 (-); D2-61 (-); D2-62 (,); D2-63 (-); D2-64 (-); D2-67 (-); D2-70 (,); D2-74 ( . ); D2-75 (,); D2-76 (,); D4-4 ( . ); D4-10 (.); D4-12 (.); D4-13 (.); D4-14 (.); D4-24 (.); D4-29 ( . ); D4-37 (,);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	D1-1, D2-7 (& - and); D2-12 ( . - ); D2-12 ( , - ); D2-25 ( ; - ); D2-35 ( ; to - ); D2-36 ( ; - ); D2-41 (Because – since); D2-46 ( ; - ); D2-53 (-); D2-67 ( , - ); D2-68 ( ; to - ); D2-68 ( , - ); D2-70 (bracket to comma); D4-8 ( : - ); D4-9 (.); D4-19 ( : - );	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	D2-10 (22); D2-11 (3); D2-12 (2); D2-19 (3); D2-20 (3);	Write out numbers under 10, and over 10,000. Use number

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	D2-22 (nine); D2-25 (1); D4-1 (three);	when it is paired with a unit.
	TOC (heading); D2-1 (area); D2-8 (comparison to); D2-9 (to); D2-10 (in this assessment as SGRAs aim); D2-10 (; as such – and); D2-14 (and); D2-23 (It is specifically noted that, also); D2-25 (the following factors,); D2-30 (Within each WHPA, also, the WHPA-B associated with, the, it is concluded that, of); D2-31 (the following factors, within them); D2-33 (in this aquifer system, the, at); D2-37 (be); D2-38 (those, while, these); D2-39 (again, so although); D2-40 (so); D2-41 (assessment); D2-47 (of); D2-53 (the); D2-61 (within them); D2-64 (is); D2-69 (and); D2-75 (the); D2-77 (of); D2-78 (of); D4-1 (be); D4-7 (they, assumptions used in the intrinsic vulnerability assessment); D4-12 (from); D4-17 (the); D4-19 (repetitive title); D4-20 (from); D4-29 (the); D4-37 (of);	Remove word to improve the clarity of text.
	D1-1 (spell out month); (ex. – e.g.); D2-1 (Director’s – Technical); D2-9 (AET –ET); D2-16 (delineated – delineating); D2-19 (doesn’t – does not); D2-24 (proved to be – was, employed - used); D2-24 (WHPE-WHPA); D2-24 (2); D2-29 (are – area); D2-30 (and for which the – where, calculation - calculating); D2-31, D2-38 (when not on the – is then taken off); D2-61 (which have - with); D2-32 (the much of the – largely); D2-33 (through the town – which, for each of – in, Village - Town); D2-34 (There – the, consisting – consist); D2-35 (match – matched); D2-36 (laterally – lateral); D2-37 (locate – located); D2-38 (that – the); D2-40 (a – at); D2-41 (model of – parameters for); D2-58, D2-78, (CVCA – CVC); D2-70 (were – was) (Type – Type A); D2-77 (however there is – but); D4-3 (watershed – source protection); D4-19 (CVCSPA – CVSPA, thirteen - thirty); D4-23 (nly – only); D4-37 (Director – Technical);	Replace word to improve the clarity of text or if it is misspelled.
	D1-1 (IPZ); D2-8 (and through); D2-11 (10, to); D2-22 (are); D2-23 (the); D2-25, D2-31 (which); D2-33 (year,	Add word improve the clarity of text.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	the); D2-35 (a); D2-37 (another data gap was); D2-38 (this); D2-39 (the, Table 2-, but); D2-45 (year); D2-47 (and); D2-61 (which, and); D2-63 (IPZ); D2-79 (analysis); D4-2 (and, see Section D4.2.1); D4-6 (be, were); D4-7 (and); D4-37 (in);	
	D2-8 (3-D); D2-41 (TOT); D2-63 (hrs); D2-67 (hr, CA); D2-69 (hr); D4-1 (CVSPA, TRSPA, CLOCA); D4-29 (TRSPA, CVSPA, AR); D4-36 (AR, UAR); D4-37, D4-38 (AR);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	D2-52 (dtw); D2-53 (MNRf); D2-60 (HEC-RAS); D2-68, D2-69 (TOT); D4-1, D4-2 (CTC SPR); D4-1, D4-2, D4-19 (WHAP); D4-1 (UAR); D4-2 (CVSPA, TRSPA, CLOSPA); D4-8 (SPR); D4-9, D4-10 (AR); D4-24 (WHPA); D4-37 (AR, WHAP, SPR); D4-37 (SPR); D4-38 (WHAPs);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	D2-1, D2-10, D2-54. (reference in brackets, report name italic); D2-24 (remove month); D2-74 (delete repeated reference); D4-2 (Gerber); D4-1 (remove month from in-text citation);	Update reference to be in correct and consistent form.
	D2-11; D2-33; D2-35; D2-38; D2-52; D2-69; D4-6; D4-7; D4-8, D4-20; D4-37;	Correct e.g., i.e., format.
	D2-9 (remove and); D2-18 (; - .); D2-27 (run-on); D2-30 (however); D2-31 (run-on); D2-37 (run-on); D2-38 (run-on); D2-39 (run-on); D2-40 (run-on); D4-7 (therefore);	Make one sentence two to improve the clarity of text or when there is a run-on sentence.
	D2-1, D2-9, D2-10, D2-25, D2-69, D2-71, D2-73, D2-74, D2-75; D4-4, D4-5, D4-36 (technical rules); D2-18, D2-25 (name of Act); D2-29, D2-38, D2-63 (name of report);	Italics words that are the title of a publication, and are defined in definition boxes.
	D1-1 (Assessment Report); D2-70 (anthropogenic i); D4-4, D4-5, D4-22 (reference); D4-5 (may);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	D1-1; D2-1; D2-2; D2-7; D2-9; D2-10; D2-34; D2-35; D2-40; D2-45; D2-51; D2-54; D2-55; D2-68; D2-76; D4-2; D4-4; D4-5; D4-7; D4-20; D4-21; D4-22; D4-23; D4-36;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	D2-27; D2-31; D2-62 To determine what number within this range the other two factors were considered.	Text changed to: To determine the exact number, the well depth and associated water body, and potential for dilution were considered.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	D2-40: The revised WHPA A-D have been delineated using the groundwater model developed for the Tier 3 water budget study for Acton and Georgetown.	Text changed to: The delineation has since been revised using the groundwater model developed for the Tier 3 water budget study for Acton and Georgetown.
	D2-64: A schematic of the methodology for generation of IPZ-1s and 2s is included on <b>Figure D2-10</b> . These zones are then subject to an inventory of potential contaminant threat sources.	Text added for clarity and consistency.
	D2-79: See Case A in Appendix 3.2 of the Foundation Report for method description and procedure,	Remove sentence.
<p>O.REG 287/07 S.51(2)</p> <p>An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.</p>	D2-16, D2-37 (superscript); D2-45 (10 point to 11 font); D4-19, D4-37 (ONE – one); D4-20 (NOT –not);	Change font size to match rest of report
	D2-69 (shift opening bracket);	Change brackets to be consistent.
	D1-1 (technical rules); D2-3 (table cells); D2-32 (table cell); D2-70 (table note); D2-71 (equations); D4-2 (the SWAT); D2-5 (may); D4-6 (only); D4-37, D4-38 (ha areas); D4-37, D4-38 (conclusions text);	Un-bold text if emphasis is distracting.
	D2-2, D2-34, D2-74, D4-19 (figure, table, section);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	D2-8, D2-15 (sentence); D4-6 (only); D4-20 (Dufferin, Wellington, Halton, Peel); D4-20 (York, Durham); D4-29, D4-37, D4-38 (title);	Un-underline text if emphasis is distracting.
	D2-12, D3-54, D2-63 (add bullet to point in list); D2-19, D2-38 (add bullet to list); D4-37, D4-38 (remove bullet);	Update bullets to be consistent within and across assessment reports.
	D4-4; D4-6; D4-25;	Shift figure or table title to bottom of figure to be consistent.
	D2-3, D2-5 (align figures right and align titles);	Update spacing alignment to make text consistent between ARs and clearer to read.
<p>O.REG 287/07 S.51(4)</p> <p>An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place</p>	D2-29; D2-38; D2-53; D2-77; D2-78; D4-19;	MNR to MNRF
	D1-1; D2-2; D2-8; D2-18; D2-19; D2-23; D2-29; D2-33; D2-37; D2-38; D2-55; D2-58; D2-73; D4-2; D4-9; D4-19; D4-21;	MOE to MOECC
	D4-5 (delete - <a href="http://www.ene.gov.on.ca/en/water/cleanwater/cwa-">www.ene.gov.on.ca/en/water/cleanwater/cwa-</a>	Update website links.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
or thing has changed.	<a href="#">guidance.php</a> )	
O.REG 287/07 S.51(6) An amendment that is made to correct errors, if it is patent that an error has been made and what the correction should be.	D2-28 (Table D2-15)	Values updated for Well 2A and Well 5/5A for area vulnerability factor and final score vulnerability score.



# NOTICE OF CHANGES TO THE APPROVED UPDATED ASSESSMENT REPORT: CREDIT VALLEY SOURCE PROTECTION AREA MADE UNDER SECTION 51 OF THE CLEAN WATER ACT

Last Updated: January 2018

The following amendments were made to Appendix E of the **Approved Updated Assessment Report: Credit Valley Source Protection Area** pursuant to Section 51 of Ontario Regulation 287/07 of the Clean Water Act.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
O.REG 287/07 S.51(1) An amendment that is made to correct a clerical, grammatical or typographical error.	E1-1 (section); E3-20 (managed lands methodology, nutrient unit); E3-52 (area); E3-55 (vulnerability, agricultural managed lands, nutrient unit); E5-1 (km); E5-6, E5-7 (see); E5-8 (computer); E5-13 (conservation authorities, identification); E5-18 (city's watershed); E5-22 (location, rivers); E5-24 (peak); E5-31 (levels); E5-33 (intakes); E5-36 (rivers); E5-38 (rivers, intakes); E5-43 (time, disinfection); E5-52 (report); E5-53 (report); E5-56 (identify); E6-1 (ICA); E6-1 (drinking water issue, significant drinking water threats, threat assessment, the, town); E6-2 (significant drinking water threat, drinking water issue, threat activities, activities, significant threats); E6-4 (wells); E6-10 (effective filtration); E6-14 (wellfields, public roads);	Un-capitalize word when it is not a proper noun, or not the beginning of a sentence.
	E2-8 (Province); E3-21 (Technical Rules); E5-1 (Project Manager); E5-32 (river); E6-2 (Assessment Report);	Capitalize word when it is a proper noun, the beginning of a sentence, or for emphasis.
	E3-58; E5-5; E5-6; E5-13;	Space added to separate words, or after a period.
	E3-4; E3-40; E3-52; E3-55; E3-58; E4-1; E4-4;	Remove double space after period.
	E3-4; E5-6; E5-31; E5-42; E6-7;	Remove extra space between words or punctuation.
	Though E3 remove extra space in table and figure titles.	
	E5-21 (hours); E5-57 (periods);	Add "s" to agree with the plural subject.
E5-36 (indicate); E5-52 (MOECC);	Remove "s" when it does not agree with the singular tense.	

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	E3-1, E3-20, ('); E4-1 ("""); E5-10 (-); E5-24 (/); E6-10 (""");	Remove punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	E5-1 (.); E5-6 (-); E5-9 (,); E5-13 (-); E5-16 (,); E5-17 (-); E5-53 (,); E5-20 (- ,); E5-25 (,); E5-37 (-); E5-38 (,); E5-42 (closing bracket); E6-4 (,); E6-10 (,); E6-7 (, -);	Add punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	E1-1 (: - .); E3-4, E3-24, E3-40, E3-53, E3-56, E4-2, E4-5; E4-7 (: - .); E5-7 (; - ,); E5-9 (& - and); E5-35 (: - ,); E5-45 (" - '); E5-57 (/ - ,); E6-3 (& - and);	Replace punctuation to be consistent with the style of the rest of the AR, or to improve the clarity of text.
	E5-9 (two); E5-36 (two, three);	Write out numbers under 10, and over 10,000. Use number when it is paired with a unit.
	TOC (titles); E5-6 (published); E5-33 (the); E5-44 (which); E6-4 (the); E6-11 (there); E6-14 (and);	Remove word to improve the clarity of text.
	E1-1 (spell out months); E3-4, E3-24 (maps – figures); E3-24 (below – be low); E3-58 (and –an); E4-4 (CVCA – CVC, TRA - WHPA); E4-4 (an – a); E5-5 (Sept – September); E5-17 (during the – on, update date); E5-20 (is, the); E5-22 (so there are – to ensure that there is); E5-24 (table reference); E5-25 (doesn't – does not); E5-30 (E Coli – E. coli); E5-52 (so – also); E5-53 (creel – creek); E6-4 (work – for); E6-11 (has – have);	Replace word to improve the clarity of text or if it is misspelled.
	E3-20 (is); E3-52(are); E5-7 (and); E5-24 (and); E5-39 (5); E5-57 (and); E6-2 (and); E6-3 (a);	Add word improve the clarity of text.
	E4-1 (ML); E4-4 (NU); E5-3 (EBA); E5-4 (WTP); E5-6 (ODWS); E5-7 (SDWT, GL); E5-8 (WWTP); E5-16, E5-45 (SPP); E5-52 (EBA);	Spell out acronym when it is the first time the acronym is used, or for clarity.
	E3-20 (NU); E4-1 (CCPAR); E5-3, E5-6, E5-8, (LOC); E5-52 (EBA); E6-1, E6-2, E6-3, E6-4, E6-7, E6-10, E6-14 (ICA);	Update acronym to be consistent with the rest of the text (e.g., remove acronyms when not used again in the chapter, remove plural when not appropriate, etc.)
	E6-1 (update acronym for author);	Update reference to be in correct and consistent form.
	E3-52; E4-1; E4-7; E5-13; E5-21;	Correct e.g., i.e., format.
	E3-20 (Act name); E3-21, E3-40, E3-58, E5-52; E6-1, E6-2(technical rules reference); E4-1, E5-52, E5-53, E6-1 (name of a report); E5-17, E5-30 (E. coli);	Italics words that are the title of a publication, and are defined in definition boxes.

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	E1-1 (Assessment Report); E5-5, E5-8, E5-10, E5-18, E5-19, E5-24, E5-42 (reference); E6-3 (Table of Drinking Water Threats);	Un-italics words when not the formal name of a report, nor the first time a “definition box” word is used, and when the emphasis is distracting from the clarity of the text.
	E1-1; E3-24; E3-58; E5-3; E5-4; E5-6; E5-8; E5-21; E5-23; E5-25; E5-31; E5-45; E5-52; E5-56;	Bulleted list is capitalized, with semi-colon after each point, with “and” at end of second last point, and a period after the last point.
	E1 (add E to page number); E2 (start at 1); E2-1 to E2-13;	Correct page numbering.
	E1-12	Update image to not include pop up link.
O.REG 287/07 S.51(2) An amendment that is made to alter the style or presentation of text or graphics in order to improve electronic or print presentation.	E4-4 (superscript); E5-20, E5-27, E5-34, (note size 9); E5-53 (subscript); E6-1, E6-4, (GENIVAR – Genivar);	Change font size to match rest of report
	E5-18 (separate reference into separate bracket);	Change brackets to be consistent.
	E1-1 (rules); E5-5 (extreme event); E6-3 (2,188 residential parcels, 353 parcels);	Un-bold text if emphasis is distracting.
	E3-20, E4-1, E5-16, E5-30, E5-38 (table, figure, appendix reference);	Bold words that refer to other sections, chapters, figures, tables in the AR, or are titles in the report.
	E5-3 (local knowledge); E5-4 (local knowledge, iterative process, significant, modelling); E5-5 (sentence); E6-3 (2,188 residential parcels, 353 parcels);	Un-underline text if emphasis is distracting.
	E3-52, E4-7, E5-18; E6-10 (add bullets to list);	Update bullets to be consistent within and across assessment reports.
	E6-8; E6-9; E6-12; E6-13;	Shift figure title to bottom of figure to be consistent.
E5-6 (combine two similar bullet points 4 and 5);	Update spacing alignment to make text consistent between ARs and clearer to read.	
O.REG 287/07 S.51(4) An amendment that is made to change references to a name, title, location, or address if the name, title, location or address of a body, office, person, place or thing has changed.	E1-1; E3-1; E3-20; E3-21; E3-52; E3-55; E4-1; E4-4; E5-3; E5-4; E5-8; E6-1; E6-2;	MOE to MOECC
	E3-55 (delete - <a href="http://gis.county.wellington.on.ca/Internet/onpoint">http://gis.county.wellington.on.ca/Internet/onpoint</a> ); E5-21 (update - <a href="http://publications.gc.ca/collections/collection_2009/bst-tsb/TU3-8-02-2E.pdf">http://publications.gc.ca/collections/collection_2009/bst-tsb/TU3-8-02-2E.pdf</a> );	Update website links
	E3-21; E6-1;	Add link to <a href="http://swpip.ca/Threats">http://swpip.ca/Threats</a>

TYPE OF TYPOGRAPHICAL ERROR	CREDIT VALLEY ASSESSMENT REPORT	DESCRIPTION OF CHANGE
	E5-1 Update text from: The findings in this appendix are being peer reviewed, and therefore are subject to revision following the peer review.	Update text to: The findings in this appendix have been peer reviewed.
O.REG 287/07 S.51(5) An amendment that is made to correct errors in the numbering of provisions of the source protection plan and any related changes in cross-reference.	E4	Update heading reference to section number from E5 to E4.
	E5	Update heading reference to section number from E7 to E5.