Notes:

- Input parameters were extracted from base mapping prepared by Kawartha Conservation's engineering department.
- Spill modeling was prepared by Kawartha Conservation's engineering department.
- The flood inundation areas were delineated using the DEM derived from LiDAR data.
- Orthophotography (16cm) collected November 8th, 2012 by Aero-Photo Inc. SCOOP 2013.
- Field Survey of structures by Kawartha Conservation using RTK GPS.

City of Kawartha Lakes
Water Level 1:1,000

Cross Section
Main Channel
Spill Cross Section
Flood Plain
0.5 M contour

MAP 1
Notes:

7) This map is prepared for use in conjunction with the Sinister Creek Flood Plain Mapping Study, 2015. GIS department.

4) Orthophotography (16cm) collected November 8th, 2012 Aero-Photo Inc. SCOOP 2013

3) Field Survey of structures by Kawartha Conservation, using RTK GPS.

Regulatory City of Kawartha Lakes
Flood Plain Mapping
Printed: February 2016
1) LiDAR (Light Detection and Ranging) survey data collected November 4th, 5th, 6th, and 7th,
2) Field Survey of structures by Kawartha Conservation, using RTK GPS.
3) Flood inundation areas were delineated using the DEM derived from LiDAR.
4) Flood plain modeling was prepared by Kawartha Conservation's engineering department.
5) GIS department.
6) Fina Flood Plain Map1 JB Feb 2016

Water Level

Legend
- Main Channel
- Cross Section
- Flood Plain
- 0.3 Water Contour

Description No. By Date

Cross Section Numbering

MAP 4
Sinister Creek
Flood Plain Mapping
City of Kawartha Lakes
Printed: February 2016

Flood Plain Map
JB Feb 2016

Cross Section Numbering

Main Channel
Spills
Flood Plain
0.3 Water Contour

Notes:

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2) Contours produced by Kawartha Conservation GIS staff using LiDAR and GTAFBS 2002 data.
3) Field Survey of structures by Kawartha Conservation, using RTK GPS.
4) Orthophotography (16cm) collected November 8th, 2012 Aero-Photo Inc. SCOOP 2013
6) Flood plain modeling was prepared by Kawartha Conservation's engineering department.
Notes:
7) This map is prepared for use in conjunction with the Sinister Creek Flood Plain Mapping Study, 2015.
6) Flood plain modeling was prepared by Kawartha Conservation's engineering department.
5) The flood inundation areas were delineated using the DEM derived from LiDAR orthophotography. 2012 orthophotography was used to supplement 2012 orthophotography. SCOOP 2013 Fina Flood Plain Map1 JB Feb 2016
4) Field Survey of structures by Kawartha Conservation, using RTK GPS.
3) LiDAR (Light Detection and Ranging) survey data collected November 4th, 5th, 6th, and 7th, 2015, by Kawartha Conservation's GIS department.
2) The flood inundation areas were delineated using the DEM derived from LiDAR orthophotography. 2012 orthophotography was used to supplement 2012 orthophotography. SCOOP 2013 Fina Flood Plain Map1 JB Feb 2016
1) LiDAR (Light Detection and Ranging) survey data collected November 4th, 5th, 6th, and 7th, 2015, by Kawartha Conservation's GIS department.