

# Floodplain Mapping Knowledge Transfer Workshop

March 8-9, 2017

Delta Guelph



**CWRA ACRH**  
 Canadian Water Resources Association  
 Association Canadienne des Ressources Hydriques



## Agenda

### DAY 1 - March 8

|              |   |
|--------------|---|
| 9:30 - 10:00 | <i>Registration– Coffee and light snacks</i>  |
| 10:00-12:00  | <b>Introduction/Welcome/Keynote Session</b><br>Moderated by Dave Burritt  |
| 10           | Welcome   |
| 10           | MNRF – Kathy Woeller  |
| 10           | CO – Jo-Anne Rzakki   |
| 10           | CWRA – Steve Brown  |
| 20           | Federal Floodplain Mapping Activities: Update - Alice Deschamps, NRCan  |
| 60           | Alberta experience: Post 2013 flood - Cathy Maniego, The Government of Alberta  |
| 12:00-1:00   | <i>Lunch</i>  |
| 1:00-2:40    | <b>Project Presentations – Base Mapping</b><br>Moderated by Nancy Davy  |
| 20           | Basemapping for Floodplain Mapping - Kent Todd, MNRF  |
| 20           | OMAFRA Lidar Aquasition - Ross Kelly, OMAFRA  |
| 15           | Creation of Engineered DEM to support 2d Hydraulic Modeling - Steve Brown, Stantec Consulting Ltd.  |
| 15           | DEM software and workflow approaches with accuracy checks - Bryan McIntosh, Grand River Conservation Authority                                      |
| 30           | <b>Question Period</b>  |
| 2:40-3:10    | <i>Break</i>  |
| 3:10-4:55    | <b>Project Presentations – Risk Assessment</b><br>Moderated by Evan Friesenhan  |
| 10           | Risk Assessment Introduction  |
| 15           | Assess and Advance Flood Risk Assessments to identify Priority Areas for Floodplain Mapping - Mark Peacock, Ganaraska Region Conservation Authority |
| 15           | Grand Flood Risk Assessment - Dwight Boyd, Grand River Conservation Authority   |
| 15           | Structure Level Flood Risk Assessments - Rehana Rajabali, Toronto Region Conservation   |
| 20           | Completing the Equation: How to bring Community Dynamics into Disaster Risk Assessment - Adam McAllister, MNRF                                      |
| 30           | <b>Question Period</b>  |

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### DAY 2 - March 9

|             |   |
|-------------|---|
| 8:00-8:30   | <i>Registration– Coffee and light snacks</i>  |
| 8:30-10:00  | <b>Project Presentations – Hydrology</b><br>Moderated by Jeff Hirvonen  |
| 15          | Snow Melt Modelling - Dave Eastcott, Quinte Conservation Authority  |
| 15          | Urbanization is Now Causing Most Floods in Southern Ontario - Trevor Dickinson, University of Guelph  |
| 15          | HMS Adaptation - Dwight Boyd, Grand River Conservation Authority  |
| 15          | CCME Flood and Drought Guidance Project: Climate Change Assessment and Management Initiatives - Scott MacRitchie, MOECC                         |
| 30          | <b>Question Period</b>  |
| 10:00-10:30 | <i>Break</i>  |
| 10:30-12:15 | <b>Project Presentations – Hydraulics</b><br>Moderated by Amber Langmuir  |
| 15          | Detailed 2D Spill Flow Analysis - Ian Boland, Otonabee Conservation Authority   |
| 15          | Assess and Advance Hydraulic Modelling Options for Floodplain Mapping - Christie Peacock, Ganaraska Region Conservation Authority               |
| 15          | TRCA – 2D Modelling work - Robert Chan, Toronto and Region Conservation Authority   |
| 15          | Madawaska River Modelling – John Perdikaris, Ontario Power Generation   |
| 15          | Using Historical Imagery to Define Floodplain and Erosion Change - Terry Chapman, Upper Thames River Conservation Authority                     |
| 30          | <b>Question Period</b>  |
| 12:15-1:15  | <i>Lunch</i>  |
| 1:15-2:15   | <b>HEC and Floodplain Mapping Data Management</b><br>Moderated by Dwight Boyd   |
| 30          | HEC-HMS - Bill Scharffenberg, USACE   |
| 15          | Kevin Shook, University of Saskatchewan   |
| 15          | <b>Question Period</b>  |
| 2:15-3:15   | <b>Round Table Discussion -Linking Technology, Floodplain Management and Emergency Management</b> Moderated by Jo-Anne Rzadki                   |
| 60 min      | Round Table Discussion/ Questions<br>Dwight Boyd, Mark Peacock, Cathy Maniego, Adam McAlister, John Perdikaris, Ian Jeffrey, Bill Scharffenberg |
| 3:15-3:30   | <b>Closing Remarks</b>  |
| 15          | Closing Remarks - Steve Brown   |
| 3:30        | <i>Day 2 Concludes</i>  |