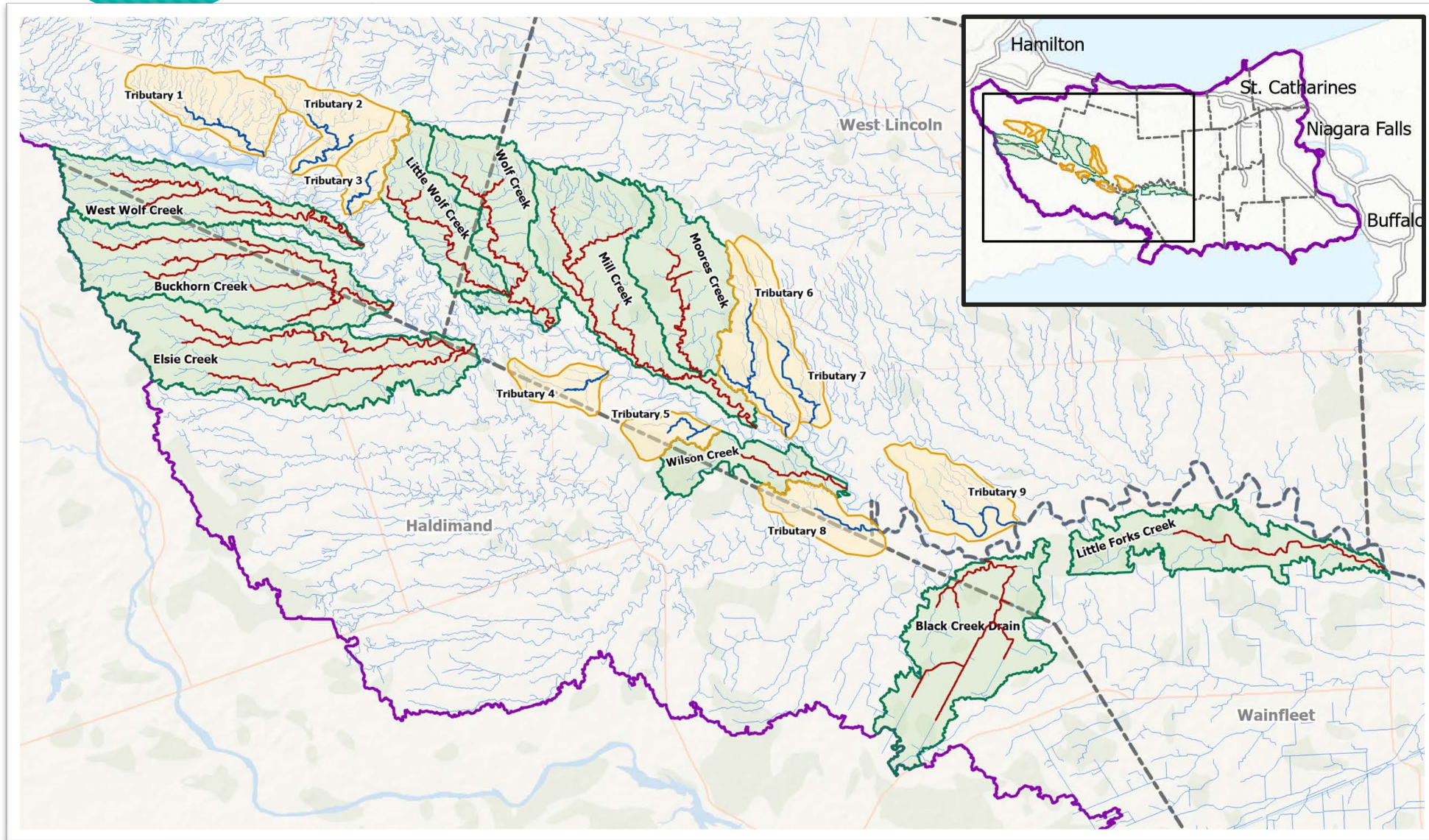


Upper Welland River Tributaries Floodplain Mapping Project

Draft mapping update

Brendan Buggeln - Manager, Natural Hazard Management & Resiliency

Project Area

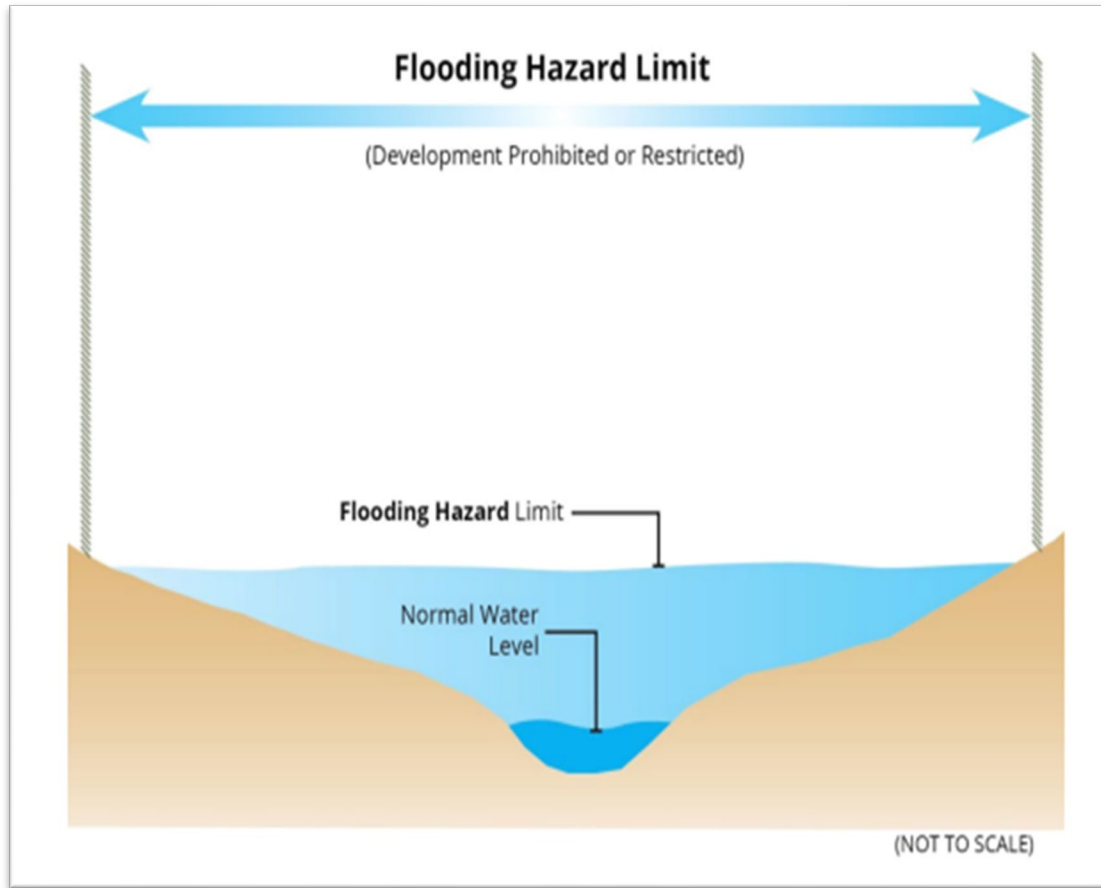


Reducing Risk

- NPCA is mandated to **protect people** and **property** from natural hazards including flooding and erosion
- **Regulate** development within hazardous areas like **floodplains**



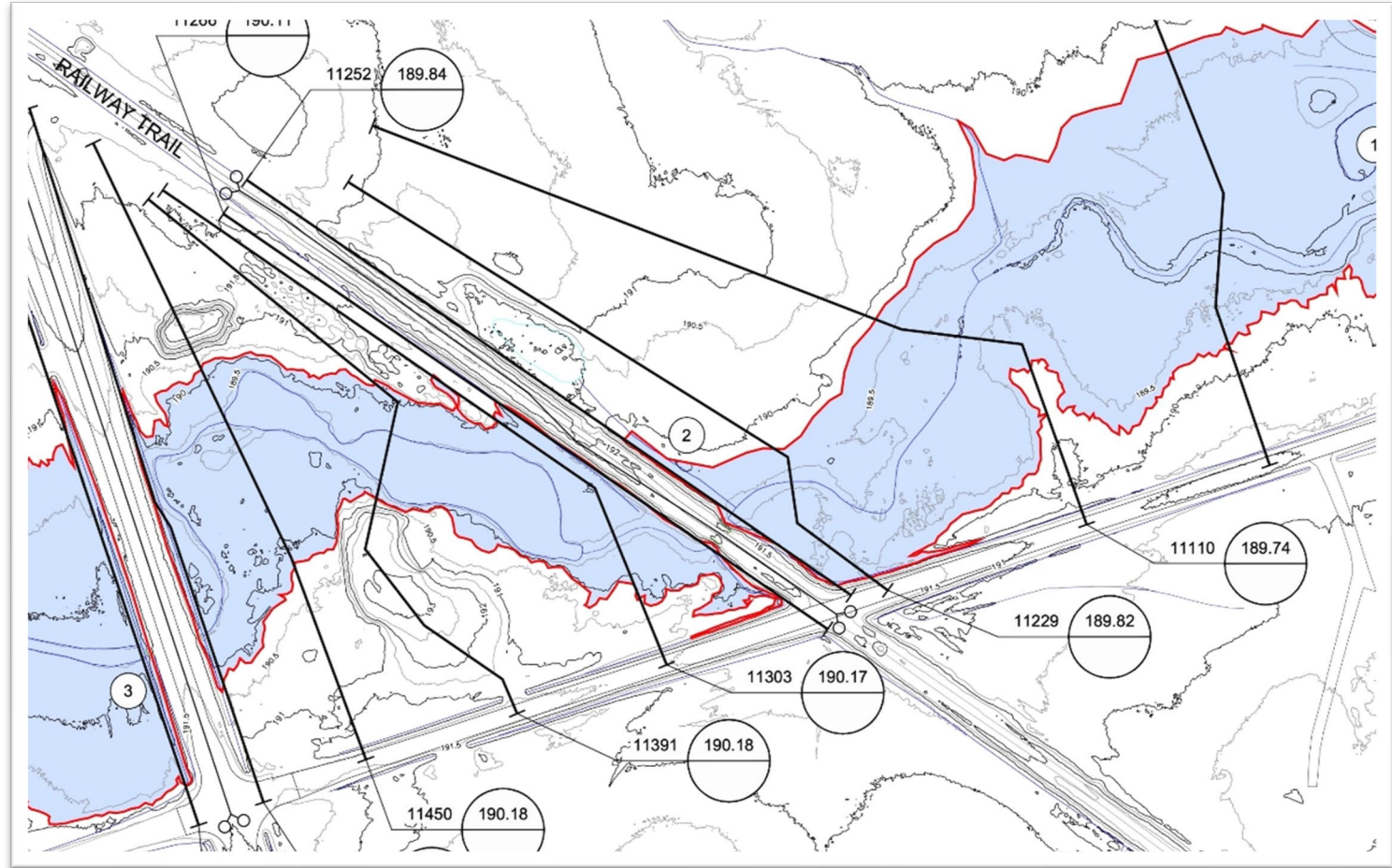
What's a Floodplain?



- Floodplains are areas near a watercourse that have been or may be **subject to flooding**.
- The **regulatory** floodplain in this area is delineated using the **100-year flood**
 - **1% chance** of occurring every year

Floodplain Mapping

- Identifies the regulatory floodplain
- Development in a floodplain
 - prohibited or severely restricted
 - requires a permit from NPCA
- NPCA will assess risk to help keep people and property safe



NPCA's Floodplain Policies



NPCA POLICY DOCUMENT:

Policies for Planning and Development in the Watersheds
of the Niagara Peninsula Conservation Authority

April 15, 2024

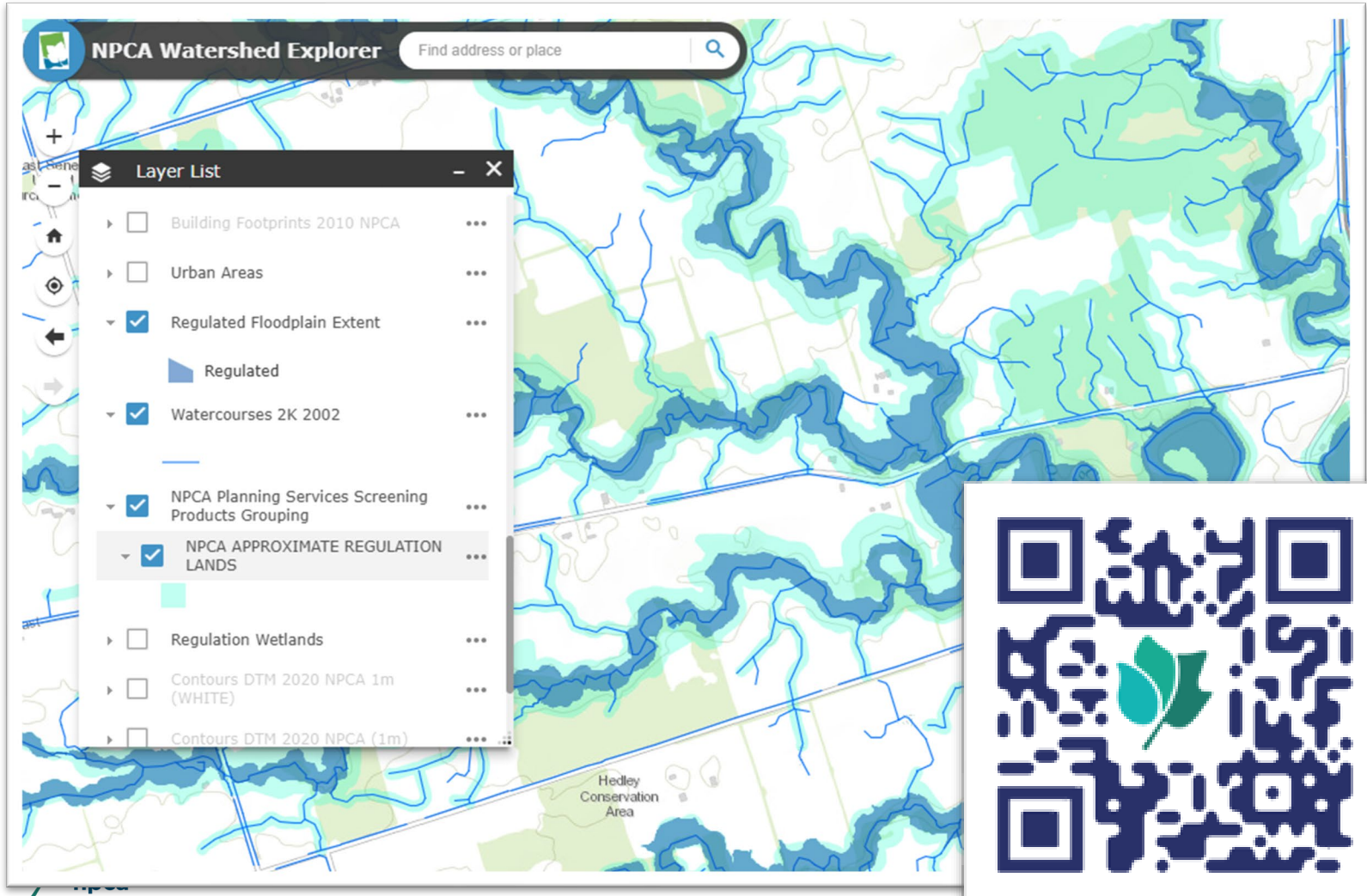


- NPCA's [Policy Document](#) includes policies for development proposed in floodplains
- Examples of [permitted](#) uses in floodplains include:
 - Replacing or minor expansion to [existing](#) buildings*
 - [Agricultural uses](#), and agricultural buildings and structures*
 - Some infrastructure
- [Contact NPCA](#) early if you're planning work

* Provided the uses are unlikely to sustain damage from flooding, are unlikely to make flooding worse, or put people at more risk

Am I in a Floodplain?

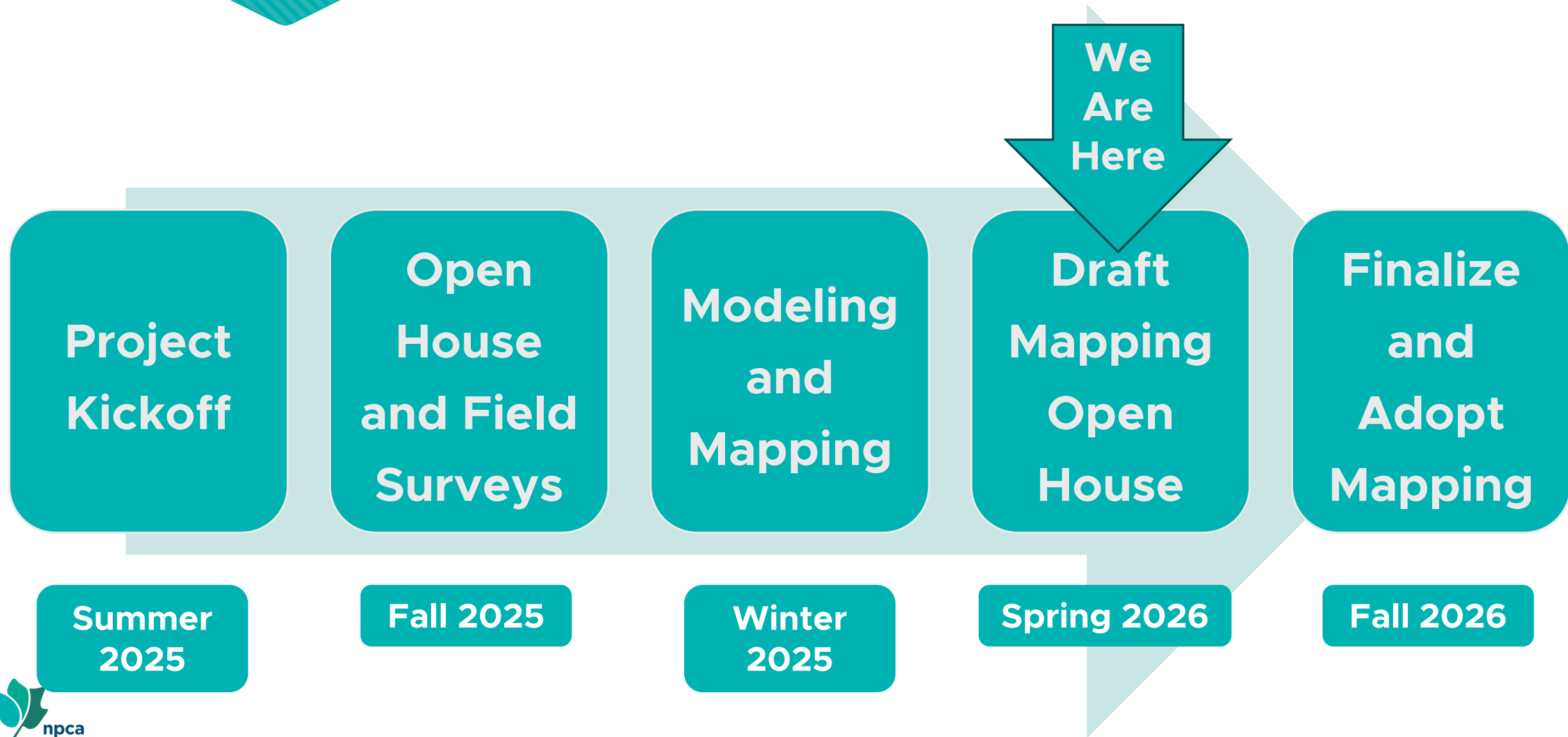
Check NPCA's [Watershed Explorer](#)



Please note:

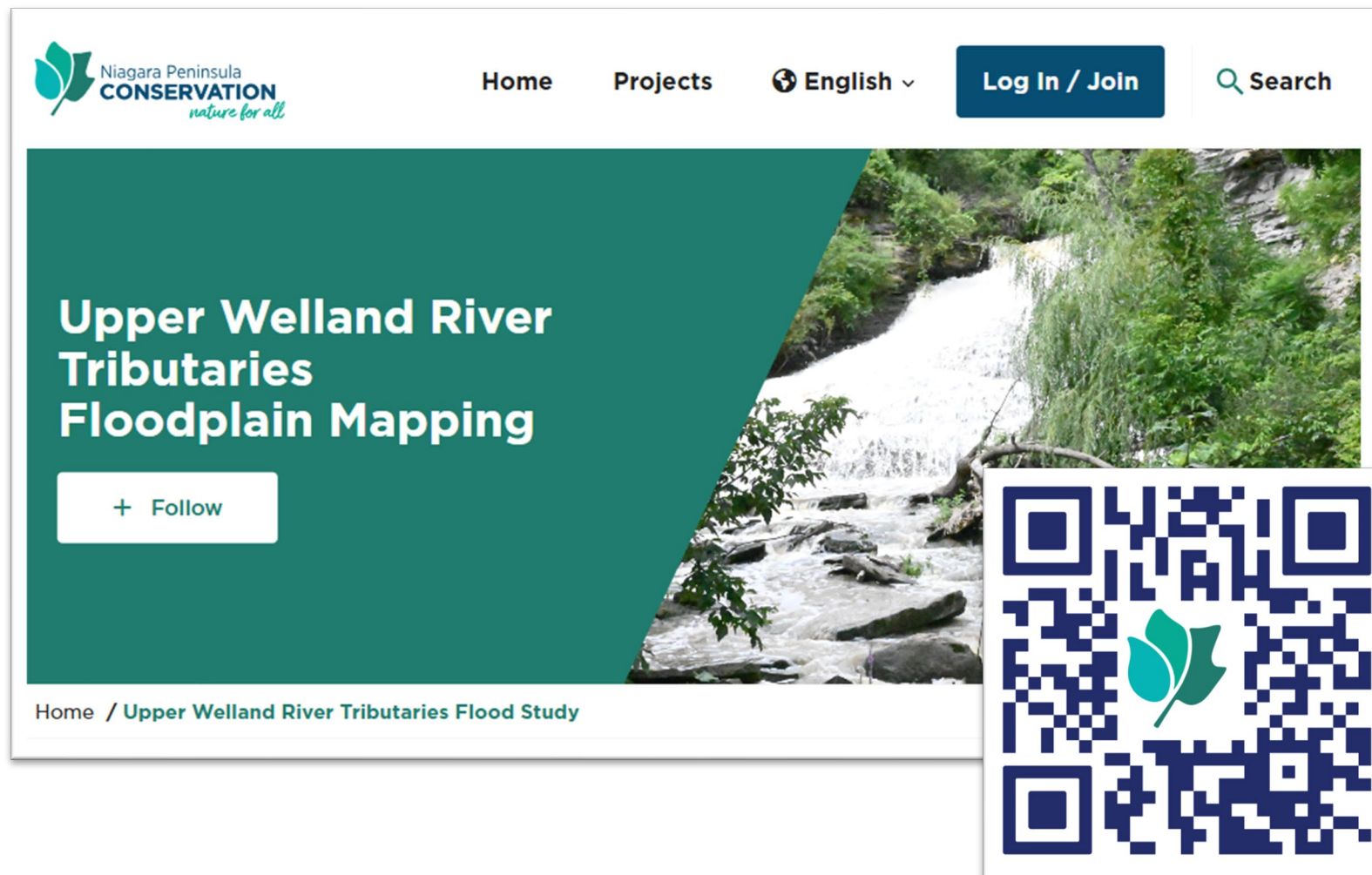
- Today's draft mapping is not on Watershed Explorer
- Mapping is for screening purposes only
- Some areas have unmapped floodplain
- Where mapping exists, field verification may be required
- When in doubt, [call the NPCA](#)

Floodplain Mapping Timeline



Get Involved & Have your say

- Review draft floodplain maps
- Talk with our experts
- Visit our [portal](#) for project updates or to ask questions



Ask an Expert

Niagara Peninsula Conservation Authority

Floodplain Mapping

- Brendan Buggeln
- Rasel Sheikh

Policy Questions

- Kim Peters
- Nick Bradley

Aquafor Beech Limited

Floodplain Mapping Process

- Rob Amos
- Thomas Levings



<https://getinvolved.npca.ca/upper-welland-tributaries>