



# Naturalized Stormwater Systems

Native Plant Solutions (NPS) pioneered the movement towards naturalized stormwater retention basins in Canada by creating functional and sustainable stormwater systems. From our first naturalized basin in 2002, NPS has designed and established more than 100 naturalized stormwater retention basins for clients and jurisdictions across Canada.

## Why naturalize your stormwater facility?

**Community benefits** — Naturalized stormwater retention basins create attractive and inviting community spaces that connect residents with nature.

**Ecological benefits** — Unlike conventional stormwater retention basins, naturalized basins incorporate natural biological processes designed to improve water quality and watershed health. **Ecological benefits include:**

- ✓ Improved water quality
- ✓ Climate resiliency, including increased carbon sequestration and decreased greenhouse gas emissions, as well as maintaining or enhancing local biodiversity by using native plants
- ✓ Improved biological support for species such as birds, dragonflies and other wildlife

### Economic advantages

- ✓ Rock and soil do not need to be imported
- ✓ Basin construction can occur during slower times of the year
- ✓ Future maintenance costs of the native grass uplands are much less than maintaining sod
- ✓ No maintenance required to remove/manage unwanted algal blooms or vegetation
- ✓ Data shows higher property values around naturalized retention basins



## Our services

- ✓ Site assessment, pond design, plant selection and procurement
- ✓ Tender package preparation and assistance
- ✓ On-site construction services, plant installation and establishment, and weed control
- ✓ Operational and maintenance manuals at the time of project handoff
- ✓ Communication and regulatory support for clients and their communities

## Why choose Native Plant Solutions?

NPS is the most experienced company in Canada with respect to naturalized stormwater design, construction, establishment and management. Our proven track record means that we do not need to 'experiment' with your naturalized system at your expense.

Our naturalized pond services are science-based, employing ecologically sound and scientifically proven approaches based on our knowledge of wetland plant and upland native grass ecology, seed/plant selection, and plant establishment in wet and temporarily flooded environments.

We employ cost-effective designs and techniques that provide the highest quality habitat possible based on your project's requirements.



To learn more about NPS, our projects and expertise, visit [nativeplantsolutions.ca](https://nativeplantsolutions.ca)