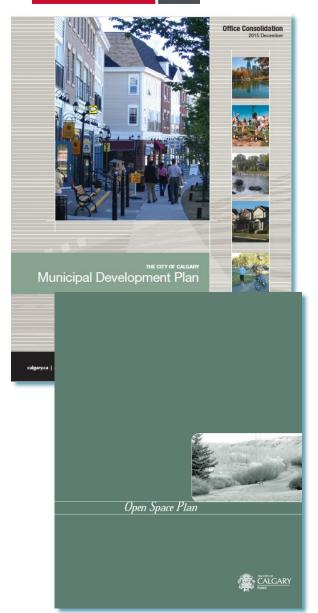


Municipal Offsets: Balancing conservation and responsible development

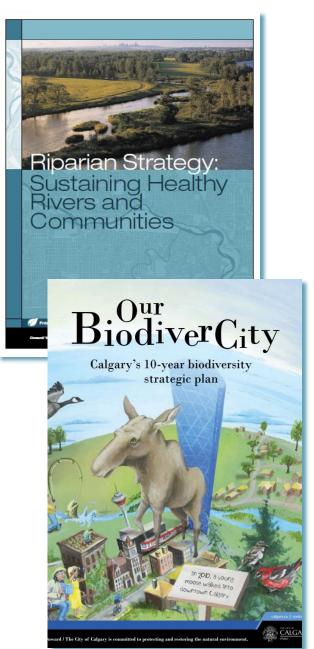
Calgary ()



Calgary Context









Planning process

- Development Plans
- Redevelopment Plans
- Capital Projects
- Operational Work Plans

- Municipal Government Act
 - Conservation Reserve
 - Pay fair market value

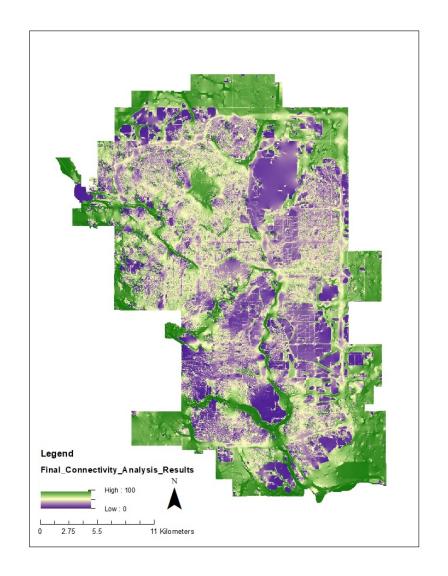




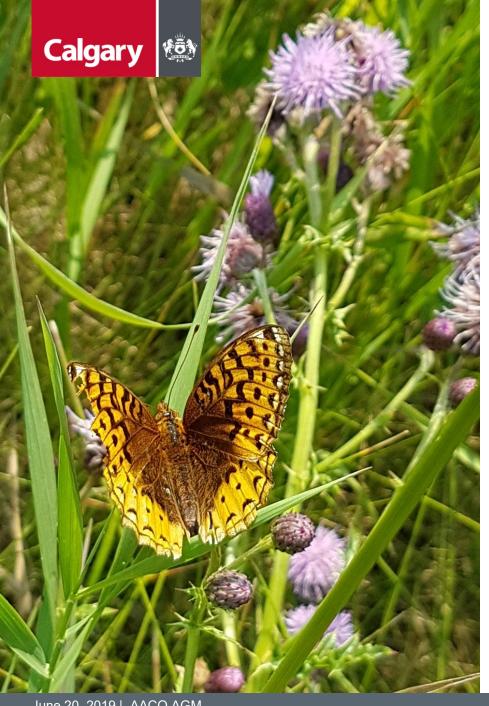
Strategic planning

Ecological Network Analysis









Tools

- **Biophysical Impact Assessment Framework**
- Habitat Restoration Project Framework
- Park Specific Management Plan Framework



Enhancement

Manicured



Enhanced with naturalized areas

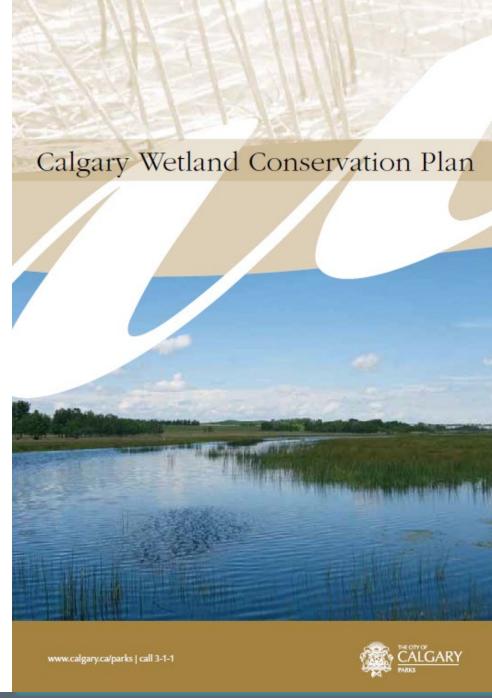




Approved by Council in 2004

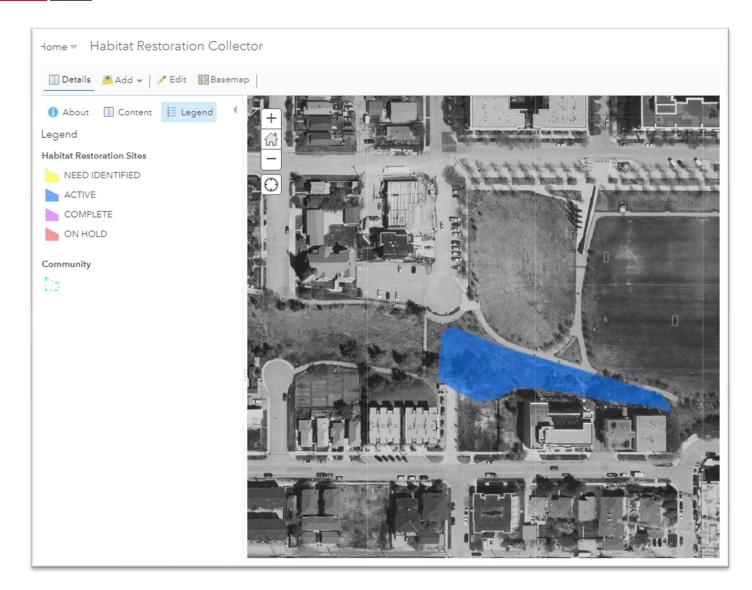
Vision: "wetlands have become an integral part of our city's urban fabric and they are maintained for the benefit, use and enjoyment of present and future Calgarians and visitors."

- Centred on the Mitigation Hierarchy
- Options for compensation from direct restoration to compensation banking



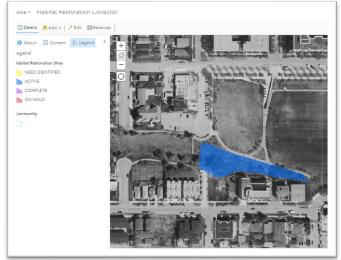


Habitat Restoration





Habitat Restoration

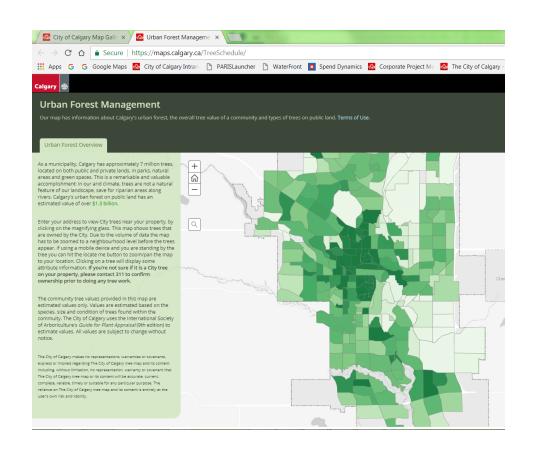








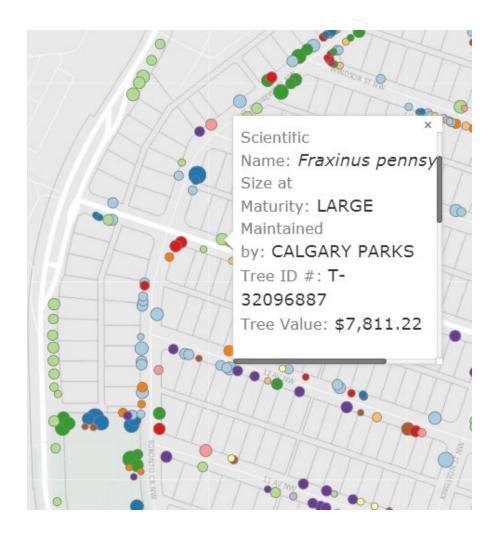
Urban Forestry Plan

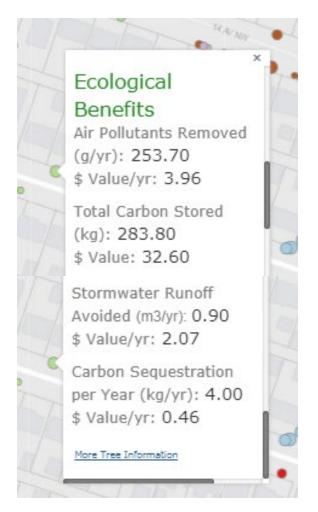






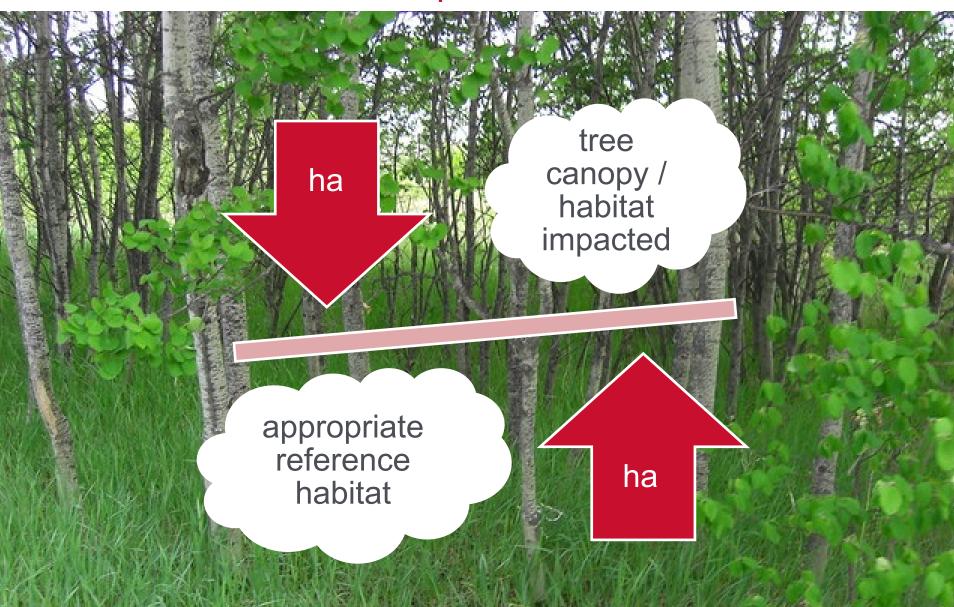
Tree compensation program







Habitat compensation – natural areas



June 20, 2019 | AACO AGM



Fish Compensation – Proactive Banking

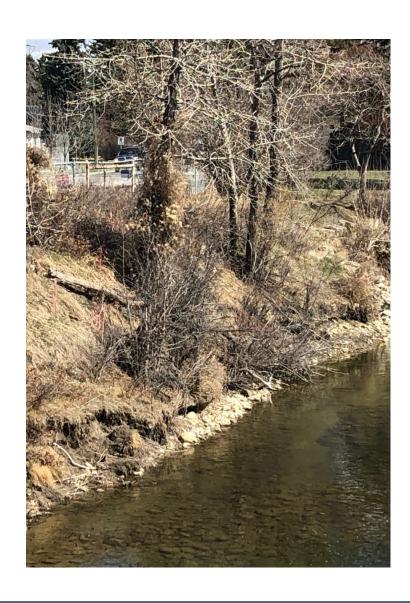








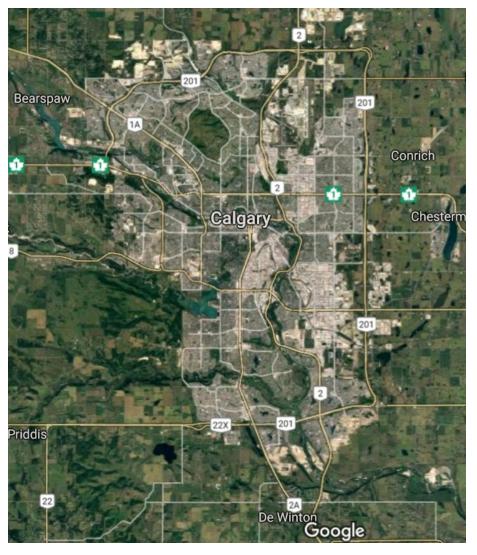
Fish Compensation – Bank Rehabilitation







Considerations - Scale, Location









Considerations

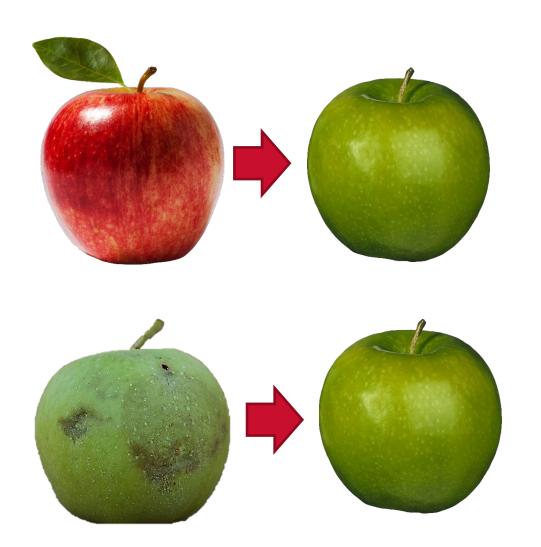








Considerations – Replacement?







Considerations - Accounting



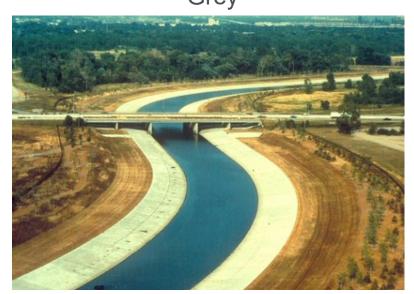


Natural Infrastructure Project

Tangible Capital Assets



"Grey"



Natural Assets



vs. "Green"





Municipal Offsets





Thank you

Questions? Comments?

Carol.Stefan@calgary.ca