



Gorge Creek Estuary within the Gorge Waterway

- Sea walls surround much of the Gorge waterway
- Few remaining beaches become depleted of sand
- Sedimentation from freshwater streams has become main "beach nourishment"



Restoration Objectives

- Tidal Marsh 6
 Enhancement
- Forage Fish 7.
 Habitat
 Enhancement
- 3. Nourished Recreational Beach
- 4. Rip Rap Removal
- 5. Large Woody
 Debris

- Accessible Beach Mat
- Riparian and Native Plantings
- Permeable Path
- 9. Interpretive Signage
- Swing Set Relocation





Gorge Creek Estuary Shoreline Recontouring

- Rip rap removal
- Fill removal and regrading
- Forage fish spawning mix

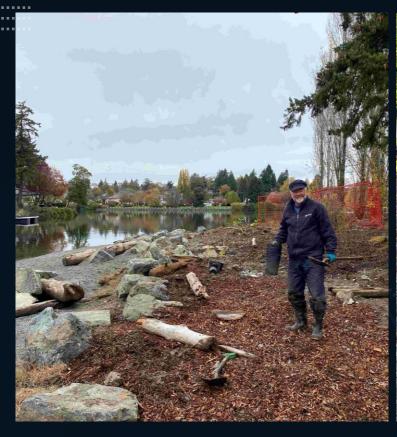
- River rock veneer
- Woody debris and boulder
- Native Riparian plantings

Beach Nourishment

- Fine washed sand added to escarpment height along recreational beach
- Addition of forage fish spawning blend
- Woody debris and rip rap placed along highwater mark











Community Planting Parties

- >1000 native riparian and shoreline plantings
- > 30 community members planting over 3 days
- Salvaged salt grass and sea asparagus placed along highwater mark for erosion and sediment control







Lessons Learned
Surveys and
Background Research

- Surveys of existing and historic species inform restoration strategies and permitting requirements
- Archeology may impact design and timeline get Arc requests and/or permit applications in asap!
- Local fauna may require management to protect new plantings and seedlings (goose/deer exclusion)





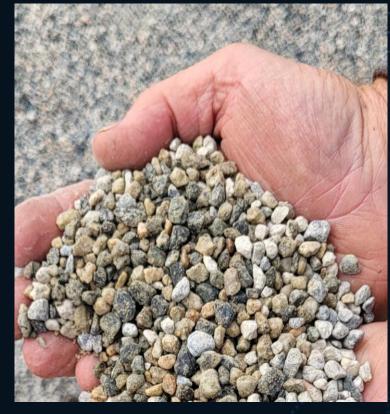


Lessons Learned Plant Selection

- Existing plants identified during initial surveys may be salvageable
- Confirm plants are native to your region and are site appropriate
- Consult local First Nations on traditional planting selections







Lessons Learned Inspect all materials

- Protect your project from the spread invasive species
- Confirm suitability of materials for intended purpose
- Prevent contamination from unwashed aggregates



















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