



Natural Asset Enhancement & Creekshed Function

Case Study Implications for Comox

Presentation Outline



- Package of Ecological Services
- Implications
 - Core Services
 - Asset Management
 - Urban Design

Concept of Package of Ecological Services



- Brooklyn Creek Corridor Provides a Package of Ecological Services:
 - Desired by the community
 - Supported by and interrelated to hydrology of the creekshed:
 - drainage conveyance, rainwater retention, infiltration, and groundwater recharge
- Ecological Services:
 - Environmental Protection: fish habitat and wildlife corridors
 - Active and Passive Recreation
 - Storm water drainage
- Core Services

Ecological Services Have Asset Management Implications



- Recreation and Environmental Protection
 - Land Asset which requires maintenance
 - trails
 - hazard trees
 - invasive species
 - erosion
- Drainage
 - stream = stormwater main
 - rainwater infiltration = infiltration galleries, and detention ponds
 - design,
 - erosion control,
 - bank stabilization

Concept of Package of Ecological Services Urban Design



- Anderton Corridor Neighbourhood Concept Plan
 - Appox. 150 hectares
 - Located in Middle Catchment Area of Brooklyn Creek
 - Based on protection and enhancement of the Package of Ecological Services of this section of Brooklyn Creek

“The Package of ecological services concept refers to the combined range of uses desired by the community. Thus a strategic plan that supports this diversity will appear worthwhile to the greatest number of interested parties.”

- Parkland and school site location
- Greenway alignment
- Riparian habit enhancement works
- Stormwater detention pond location and design
- Concentration of residential density to maximize public access