Kitsap County Natural Resource Asset Management Project

Presentation By: Matthew Medina (Kitsap County) South Sound Science Symposium, Shelton WA October 20th, 2022



"A community that embraces sustainability must continually improve the relationship between the developed and natural environment. This includes <u>managing the natural environment as an essential asset</u> <u>alongside other assets</u> like roadways, buildings, capital facilities and revenue. The natural environment provides services and economic benefits which require planning, coordination, monitoring, and supportive fiscal policies and strategies."

Source: Kitsap County Comprehensive Plan Chapter 3 - Environment





Framework Goals

Manage natural assets, similarly to other assets, by employing a systematic process for making strategic and risk-informed decisions about natural assets to ensure a sustainable delivery of services alongside other county services.

Project Goals

The Core Team is working to collaboratively develop and implement a framework for the county to proactively manage shorelines, streams, and forests in a way that prioritizes the benefits they provide and safeguards them for the future.

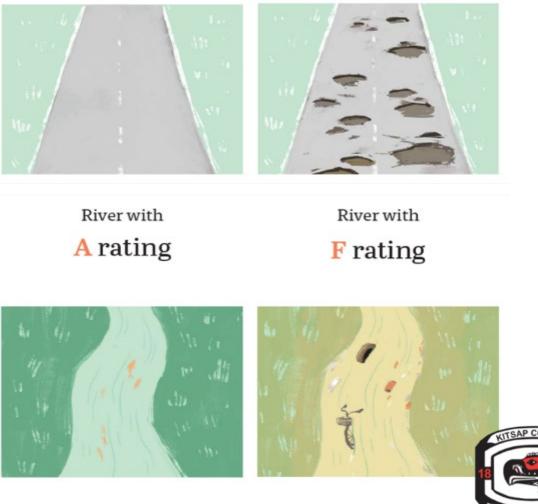


Natural asset management draws from the principles and practices of traditional asset management.

Concepts like 'levels of service' that are commonly used to manage built assets can be applied to natural assets to support monitoring and investment to improving asset condition.

Road with A rating

Road with F rating



Local governments need approaches for managing natural assets and the benefits they provide.

- Many ecosystem services are also essential public services
- Natural assets provide essential services and are often not adequately considered in local planning and land use policy
- Disconnect between land use planning and ecosystem recovery planning
- Climate change impacts and environmental degradation
- Responsibility to uphold treaty rights and work in partnership with Tribes and First Nations to recover ecosystems





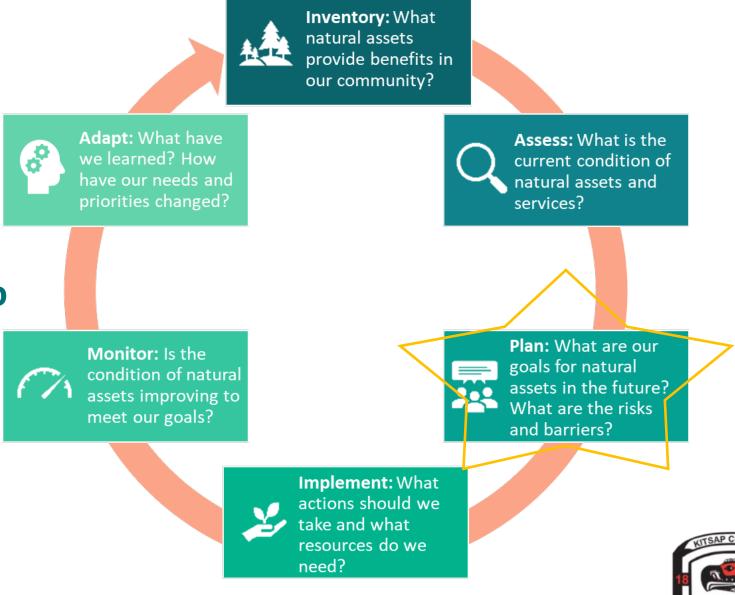
Image credit: City of Calgary Natural Assets Wetlands, Forests, Stream, etc. Enhanced Assets Rain Gardens, Bioswales, Urban Trees, etc.

Engineered Assets Green Roofs, Water Harvesting System, etc.



Image credit: conservationbytes.com

Natural asset management is a structured approach for local governments to manage natural assets to support thriving ecosystems and communities.



Sources: Asset Management BC, Municipal Natural Asset Initiative

Attributes of Natural Assets

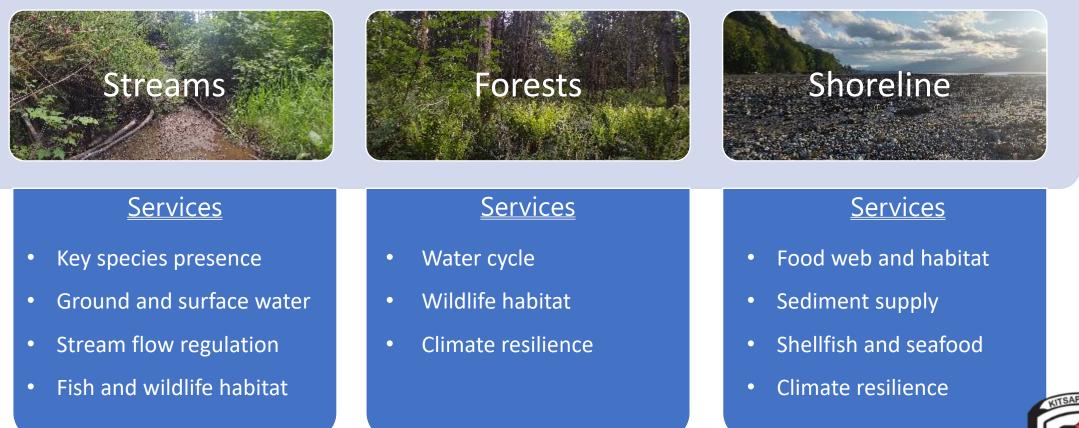
Fish Distribution

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KITSAP COUNTY 18 WASHINGTON

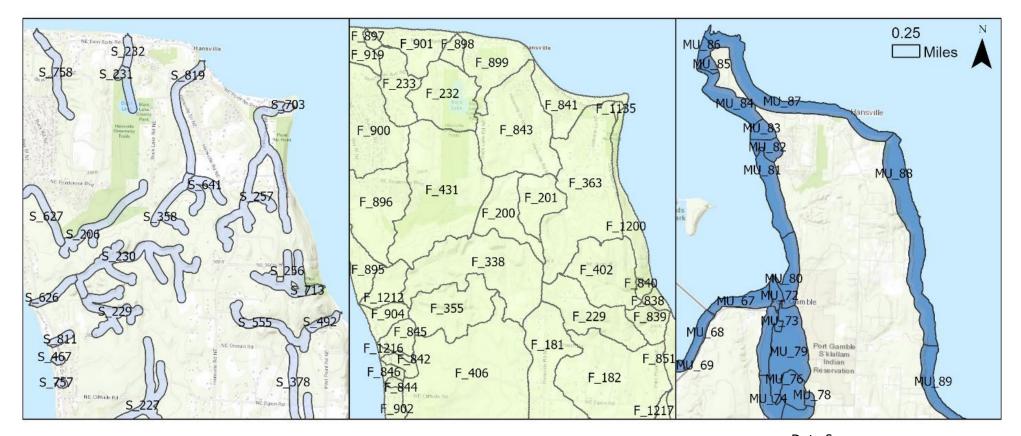
Ecosystem Services of Natural Assets





Management Units

Management units - the spatial foundation of the KNRAMP system and provide the "container" for assessing the condition of natural assets and applying targets.





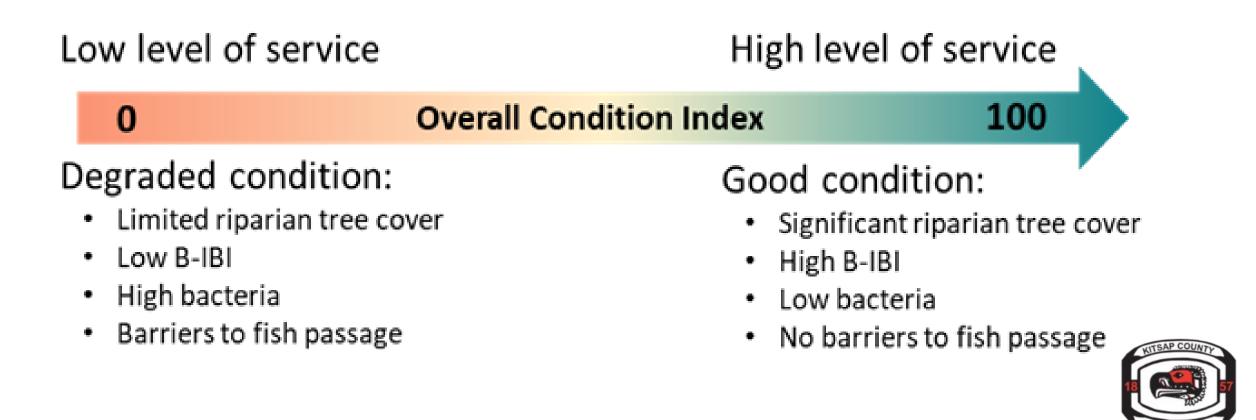
Data Source: NHD HR PLUS (USGS)

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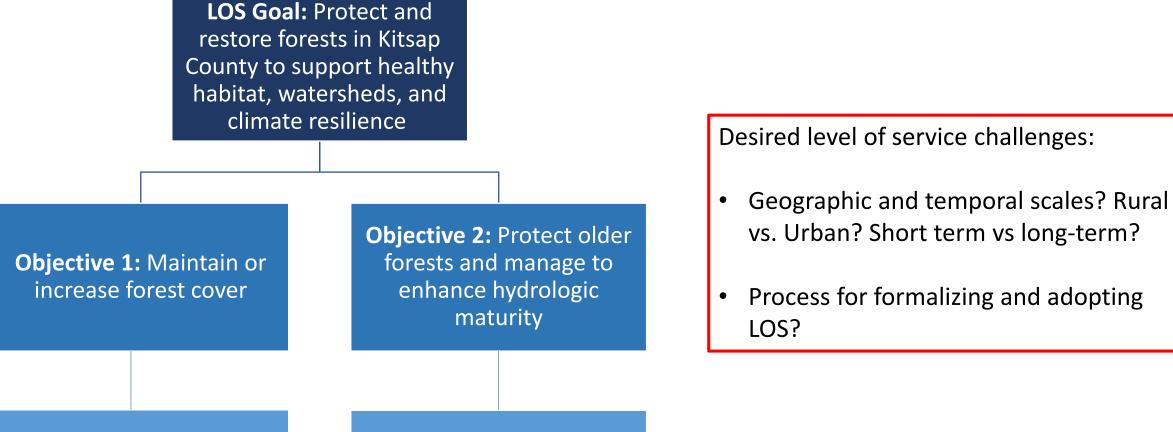
Data Source: Beach Strategies (Coastal Geologic)

Levels of Service (LOS)

Desired LOS - The expected performance of assets and represent a commitment of a local government that will inform asset management and financial plans (MNAI 2022)



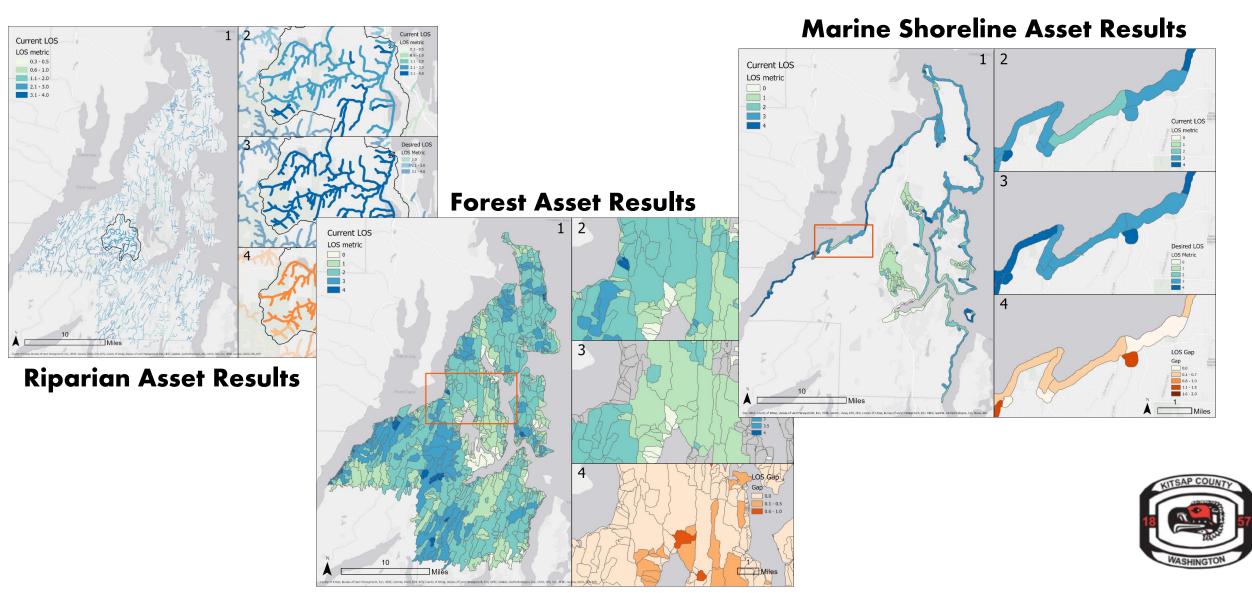
Desired Level of Service – Forest Assets



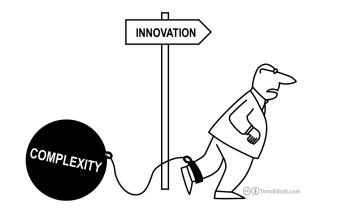
Example target: Increase forest cover to at least 65% in primary watersheds **Example target:** Manage county-owned forests to enhance complexity and hydrologic maturity



Levels of Service (LOS)



Limitations to Operationalizing Natural Asset Management



- •Emerging discipline
- Data and information gaps
- •Clear definitions
- Natural resource manager silos
- Staff capacity
- •Relationships with neighboring and overlapping jurisdictions
- •Effective and equitable stakeholder/rightsholder engagement
- •Support through funding and research
- Equitable decision-making processes





Thank you!!

Kitsap County

Port Gamble S'Klallam Tribe

Suquamish Tribe





Uncil THE SUQUAMISH TRIBE

STRATEGIC

Funders: EPA National Estuary Program



Washington Environmental Council

Ross Strategic