

**So WHAT?**



**HOW TO CONDUCT AN  
INVENTORY**

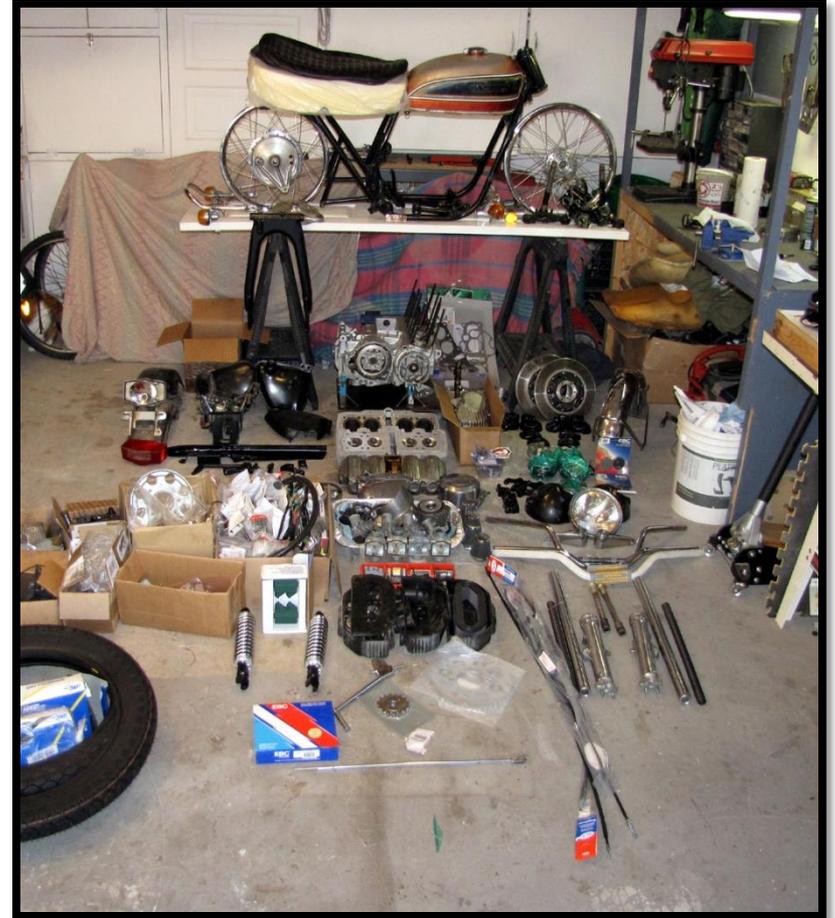
**LAND USE ANALYSIS**

**So WHAT?**



# Analysis

- from Greek ἀνάλυσις (*análusis*), "a loosening"
- the process of breaking a complex topic, or substance, into smaller parts, to gain a better understanding of it.



# Analysis; SMP Style

Still ανάλυσις

Inventory should ID impairments and provide cause and effect

3 Amigos;



Hydrology

Habitat

Water Quality

+

Opportunities

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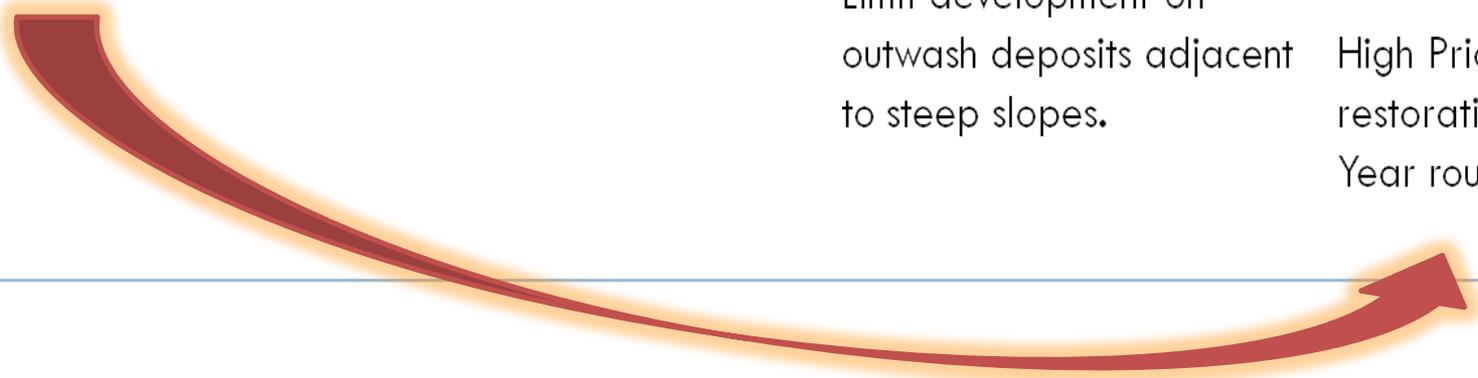
Inventory information  
should answer questions  
related to specific issues

Establish the relationship  
between processes and  
functions

Identify impairments to  
processes and functions

**So WHAT?**

Shoreline Issue Reach X	How have ecosystem processes been changed relative to issue?	Solution	Recommended protection & restoration measures and environment designations
<p>High sediment delivery to shoreline. Building of delta – affecting public access to dock and habitat functions. Loss of salmon spawning habitat.</p>	<p>Erosion and Bedload Transport. Sources of sediment in upper watershed</p>	<p>Stormwater Retrofit – Route runoff from impervious surfaces to rain gardens, infiltration galleries and detention ponds. Detention ponds necessary on golf course. Limit development on outwash deposits adjacent to steep slopes.</p>	<p>Provisions in SMP for stormwater mitigation fee. Develop new standards for stormwater retrofit. New BMPs and larger buffers elsewhere.</p> <p>High Priority for restoration – Year round flows.</p>





POTENTIAL NO NET LOSS INDICATORS for SHORELINE MASTER PROGRAMS

Indicator (all in shoreline jurisdiction)	Functions affected - key categories - water quality, water quantity and habitat	Type of Impairment**	Limitations of indicator	Where	Is data available or reasonable to obtain
Shoreline stabilization: <u>Linear length</u> or area of bulkheads, revetments, bioengineering, seawalls, groins, retaining walls, gabions. (Includes decrease in length, change to soft structure.)	Habitat-Riparian and aquatic habitat, sediment supply. Input of organics, prey base, & LWM. Structure for habitat life needs.	Interrupts habitat-forming processes, such as beaches & channel migration, by impacting sediment supply and transport. Loss of nesting sites, rearing, refuge & foraging areas. Loss of prey base with associated loss of riparian vegetation.	Combines different types of stabilization measures into one general category; impacts may vary.	Rural, urban.	Is data available from local government, including permits & SDP exempt projects? Can locals track over time? HPA information can supplement other data, but is not sufficient on its own. Detailed aerial photos may also show stabilization changes.

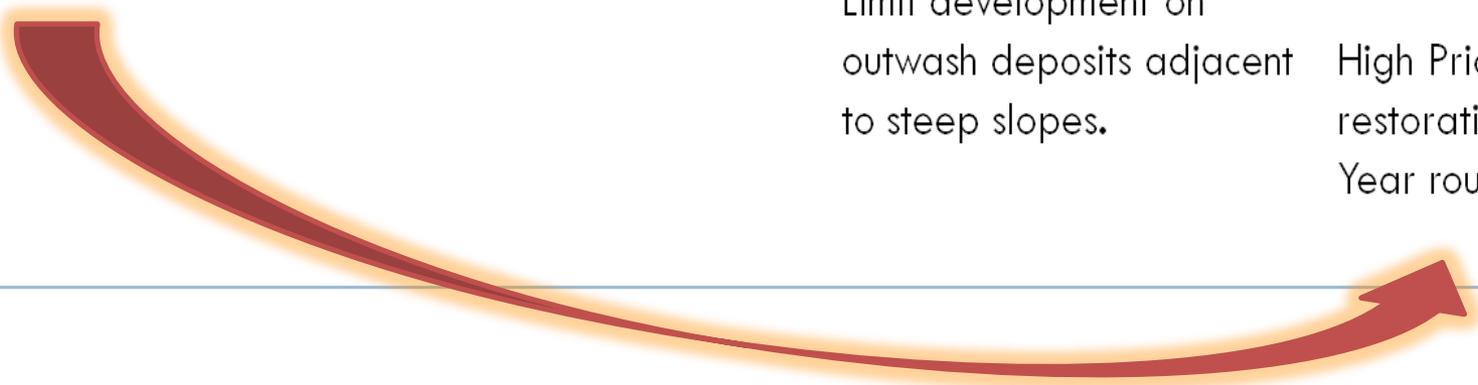


05/30/2012

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An aerial photograph of a river winding through a lush, green forested valley. In the foreground, a grassy hillside slopes down towards the river. The river is dark blue and flows from the upper left towards the lower right. The surrounding landscape is densely packed with various types of trees, including tall evergreens and shorter deciduous trees. In the far distance, a town or city is visible on a ridge, with buildings and a bridge spanning across the valley. The sky is a clear, pale blue.

**SO WHAT?**