

Low-Tech Process Based Restoration (LTPBR): Slash Swales On Contour (SSOC's)



Too much standing carbon in the forests of interior BC.
The trees have shut down growth and are awaiting fire.
According to CWPP no canopies should be touching.
Too many trees w canopies touching causes canopy fires.
Canopy fires with too much carbon scarifies the duff layer and top-soil.
The fungal component of the soil gets damaged which is **80-90% of the moisture holding capacity of the soil.**
When the fungal matrix is damaged the catastrophic water events can occur.

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200+ year old tree

12" in diameter

The last few decades of growth are almost invisible

This tree has shut down growth waiting for natural thinning (fire).

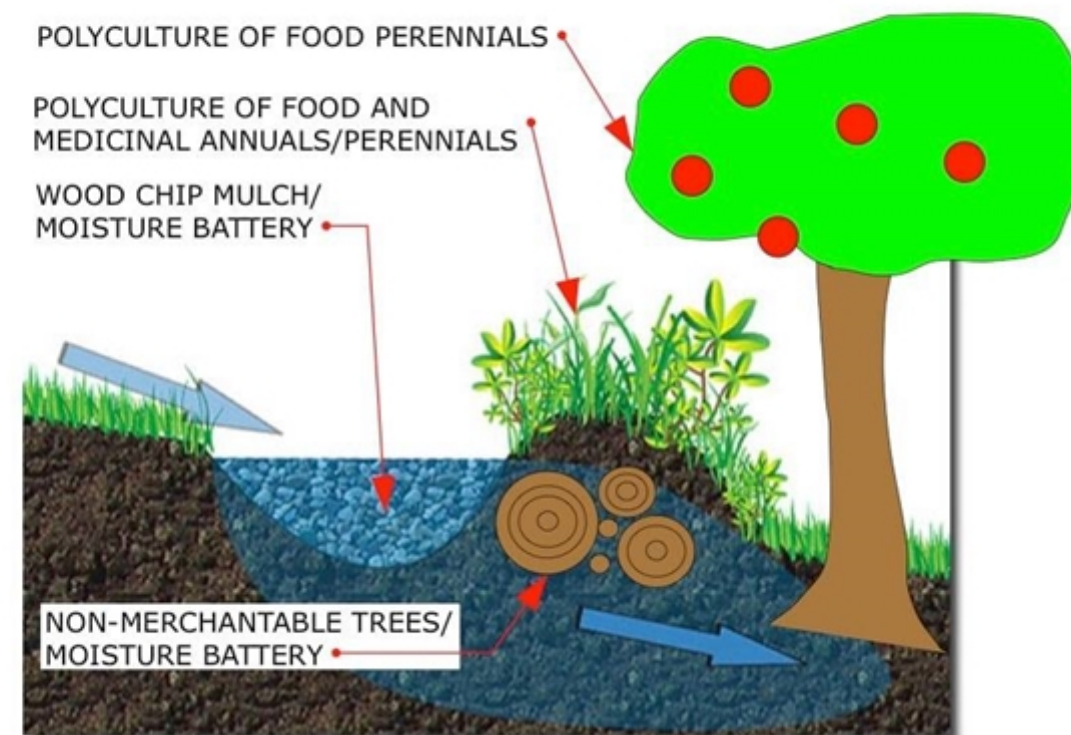
Putting some of these trees into SSOC's will help restore the fungal matrix.

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Mimic the form and function of
large dead-down.

Large dead-down are 2' minimum d.
trees that provide moisture and
nutrients during the drought times of
year.

Since industrial forestry they are all
but non-existent.



michael
hollihn
Blue Earth
Forest-Farm
2024



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Carbon laid along the contour line
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LTPBR's such as BDA's (Beaver Dam Analogues) and PALS (Post Assisted Log Structures) are the riparian counterpart to the SSOC's (Slash Swales On Contour) that bio-mimic the large dead-down now missing from our maturing forest understory.

These 3 affordable passive technologies can now dovetail together at their edges to restore and help adapt our local watersheds back to resiliency.





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(plant guild study project)