Type N Soft Rock Experimental Buffer Study

CMER
RSAG
Northwest Indian Fisheries Commission
Dept of Ecology

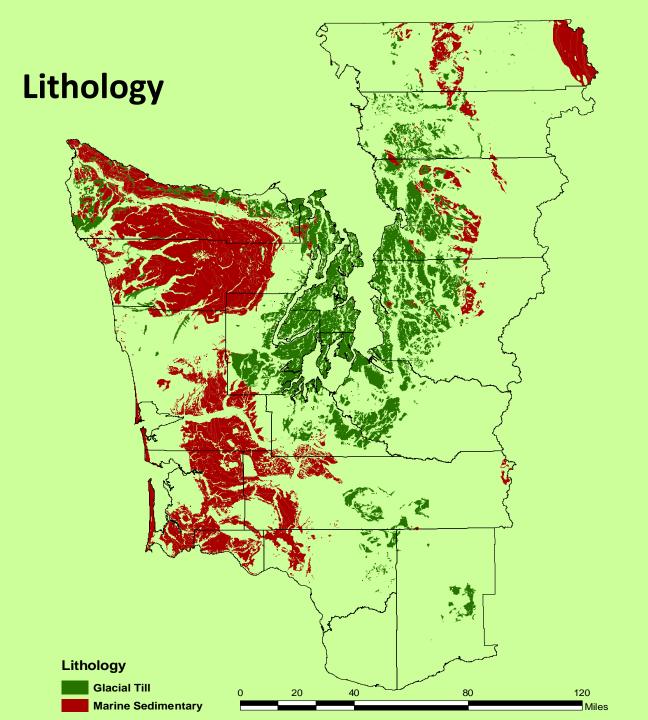
8 May 2012

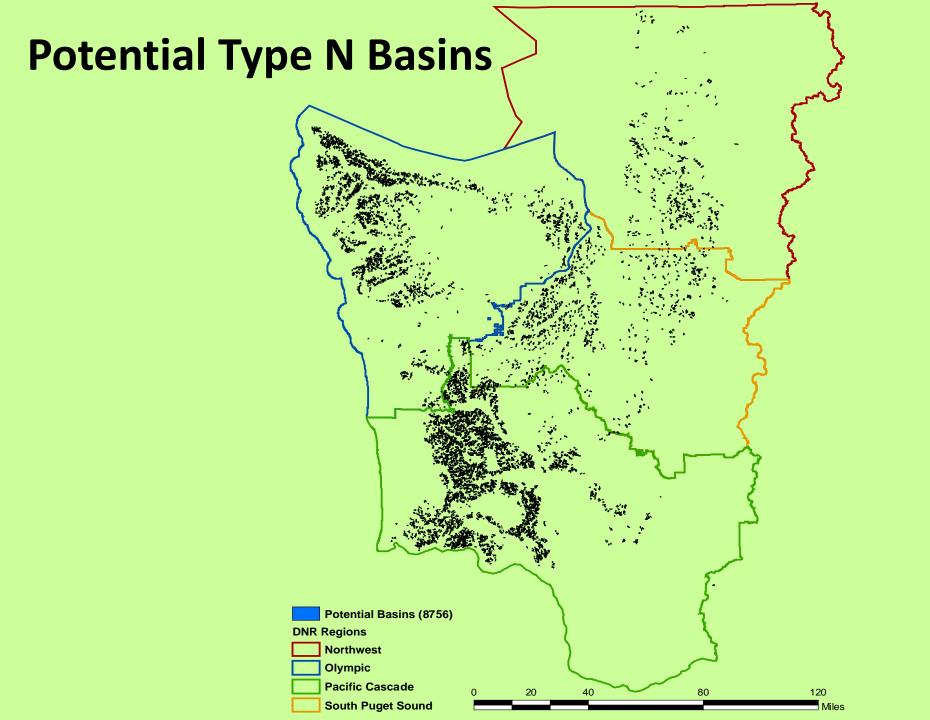
Critical Questions

- How does harvest of Type N stream basins affect water temperature within and at the outlet of the Type N basin?
- How does harvest of Type N stream basins affect sediment input to and storage within the Type N channel?
- How does harvest of Type N stream basins affect suspended sediment and nutrient export to downstream Type F waters?
- How does harvest of Type N stream basins affect benthic macroinvertebrate communities immediately downstream of the harvest unit?

Site Selection Criteria

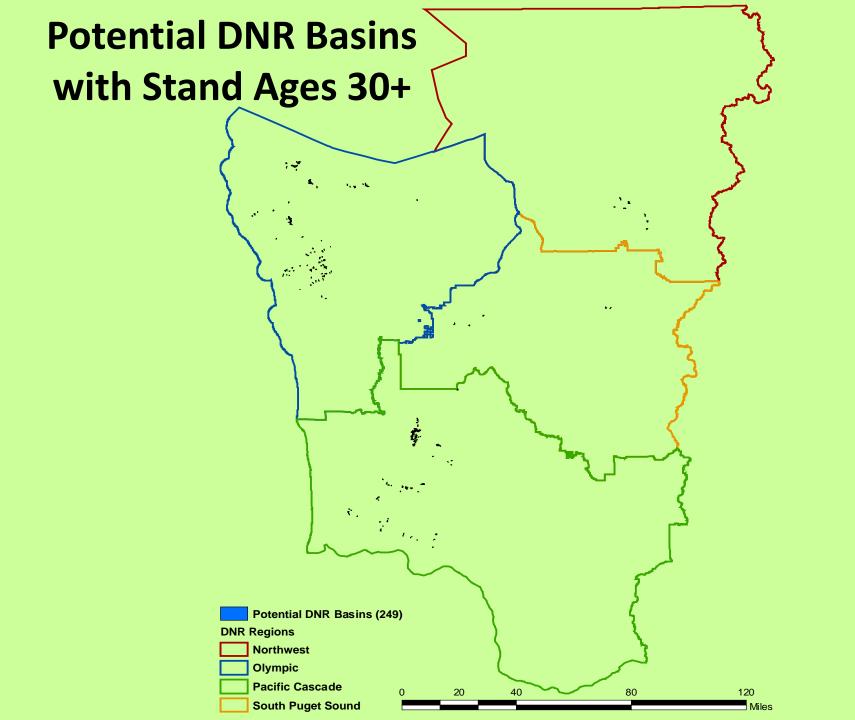
Criterion	Limit	Information Source	
Geographic location	Western Washington		
Elevation	< 1,067 m (3,500 ft) for the Olympic Peninsula < 1,219 m (4,000 ft) for the Cascades and SW WA		
Gradient	5 – 50% (3 – 27 degrees)	GIS analysis	
Lithology	> 80% of basin in glacial till or marine sediments	nents	
Basin size	~12 – 49 ha (~30 – 120 ac)		
Stand age	>70% of basin between 30 and 80 years old during harvest treatment window		
Ownership	>80% owned by single participating landowner	Landowner	
Harvest timing	Treatment basins: harvest Oct 2013 – May 2015 Reference basins: no harvest before Oct 2016		

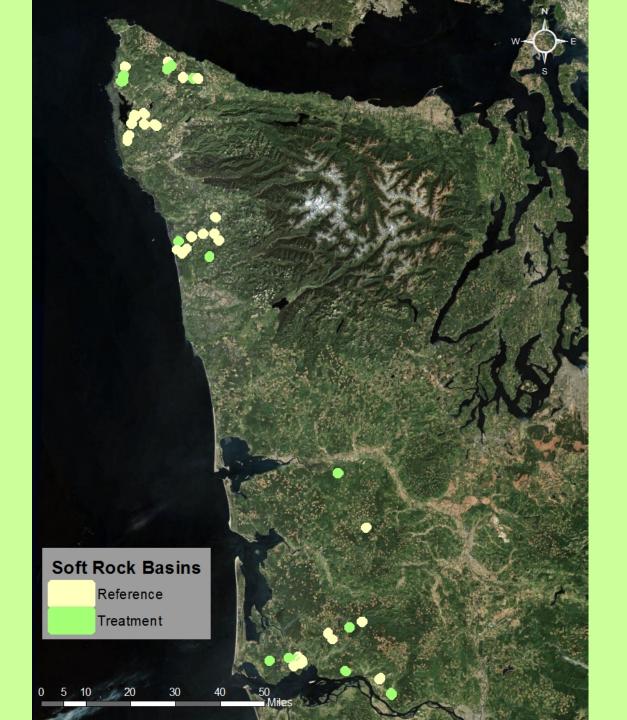




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Treatment Sites

Landowner	Potential Sites	Need last fish survey	Likely	Need Pilot Rule			
DNR	4	0	NA	0			
287296							
287551							
288612							
333169							
Rayonier	3	0	3	0			
121873							
324432	Need buffer laid out.						
324440							
Longview	2	0	1	1			
117227	Need buffer laid out						
138089	Needs Pilot rule for green-up.						
Hancock	4	0	1	3			
116922	Need Pilot Rule to use modeled last fish point instead of surveyed point.						
117237							
117737							
133065	Needs buffer laid out.						
Weyerhaeuser	1	0	1	0			
67385	Needs buffer laid out.						
Green Crow	1	0	1	0			
294971							
295097	1 of these sites will be used as a treatment. Going to assess unstable slopes before making a decision.						
295314							
295318							
Totals	15	0	7	4			

