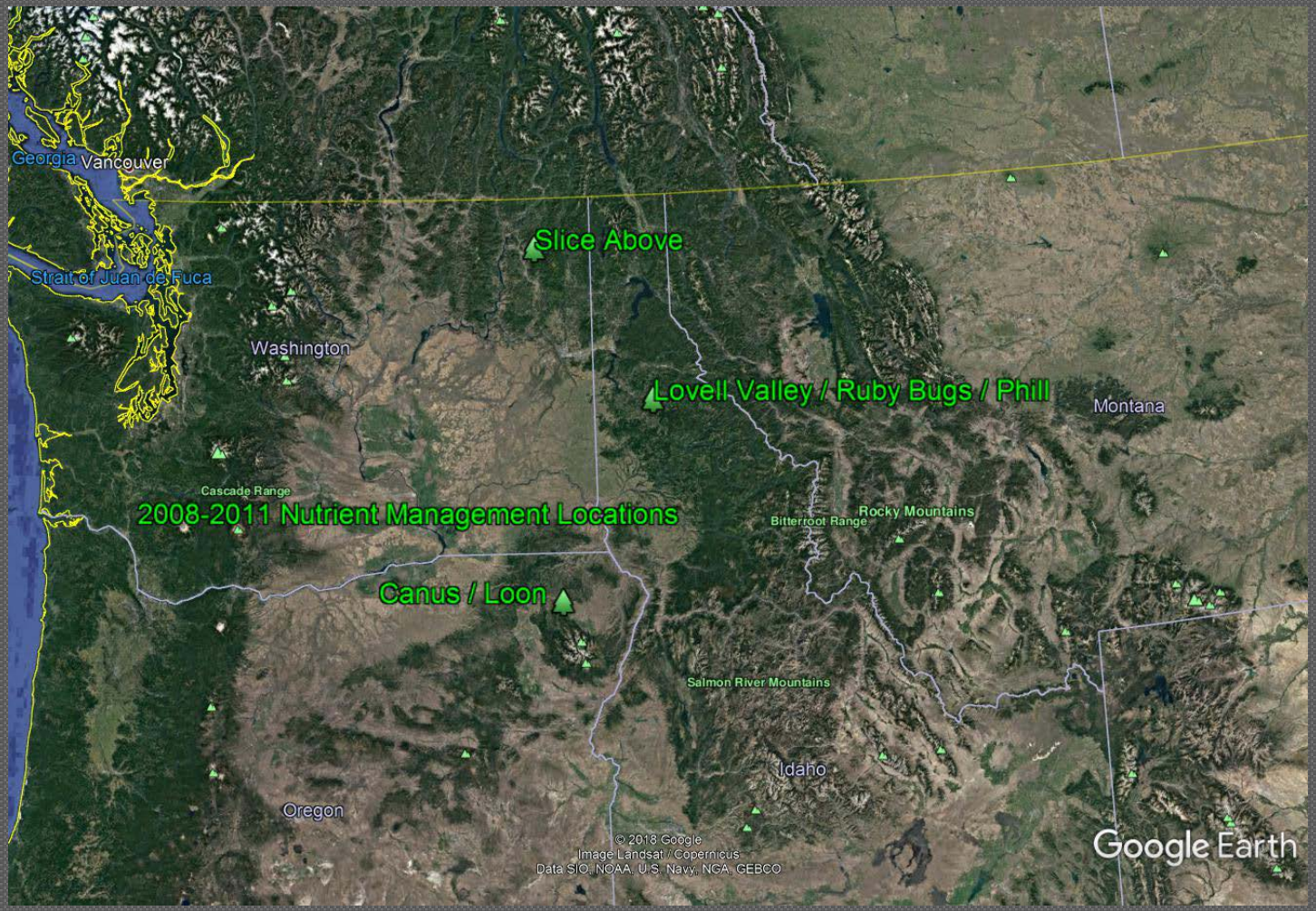
Nutrient Management Study Sites



Nutrient Management Study Sites

Treatments:

- **Bole Only - High Slash Retention**
- **Whole Tree – Low Slash Retention**
- **Vegetation Control**

Site Quality:

- **Higher Quality – Basalt (Good Soil Productivity)**
- **Lower Quality – Quartzite (Poor Soil Productivity)**

Location	Established	Site Quality	Soil Parent Material	2017 Seedling Measurement Period
Canus	2008	High	Basalt	5th Completed 2014 10-Year occurs in 2019
Phill	2010	High	Basalt	4th
Loon	2011	High	Basalt	5th
Lovell	2009	Low	Quartzite	5th Completed 2015 10-Year occurs in 2020
Ruby	2009	Low	Quartzite	5th Completed 2016 10-Year occurs in 2021
Slice	2010	Low	Quartzite	5th Completed 2016 10-Year occurs in 2021

Site Type Initiative
Paired Plot Density Management (PPDM) Trials

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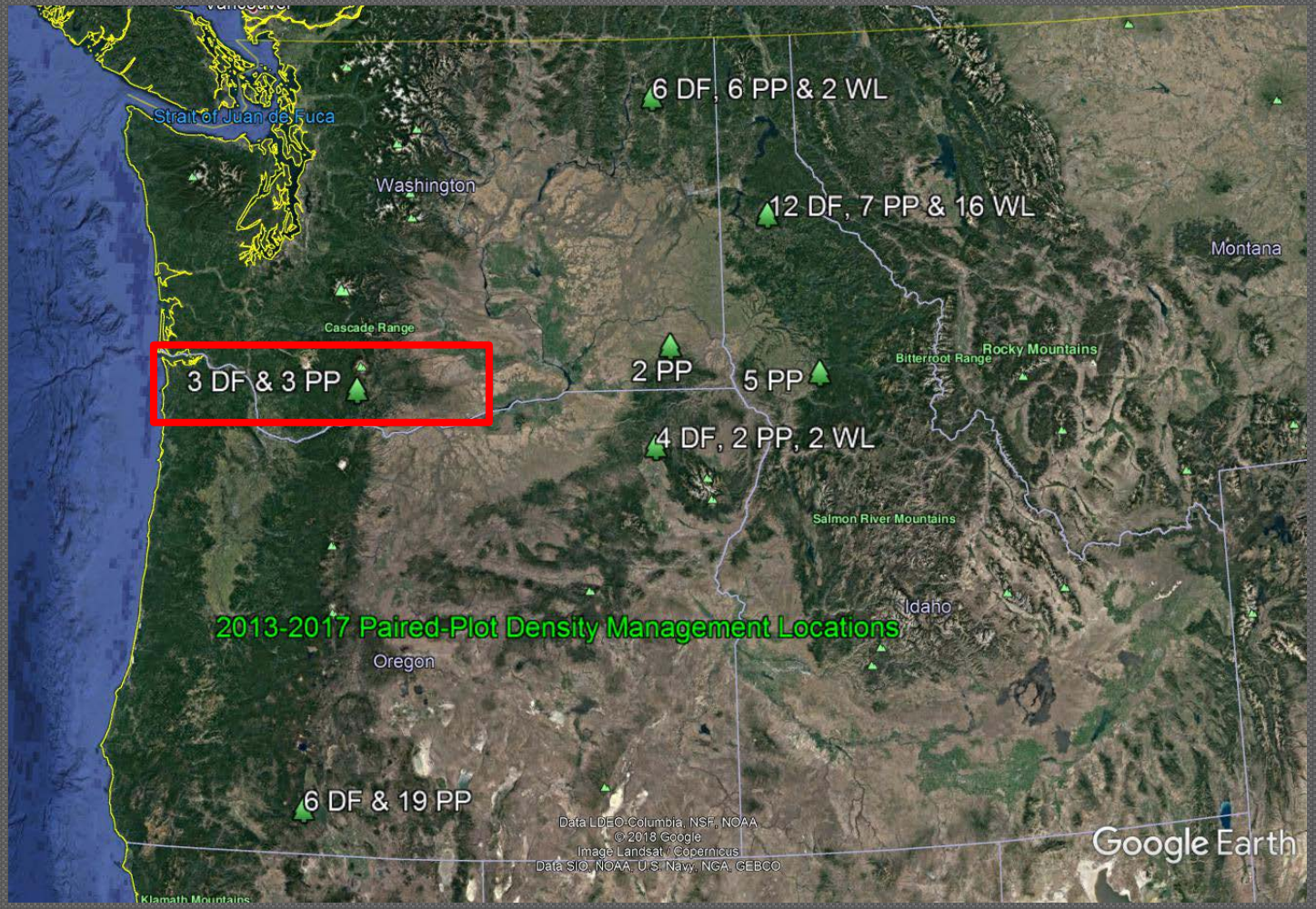
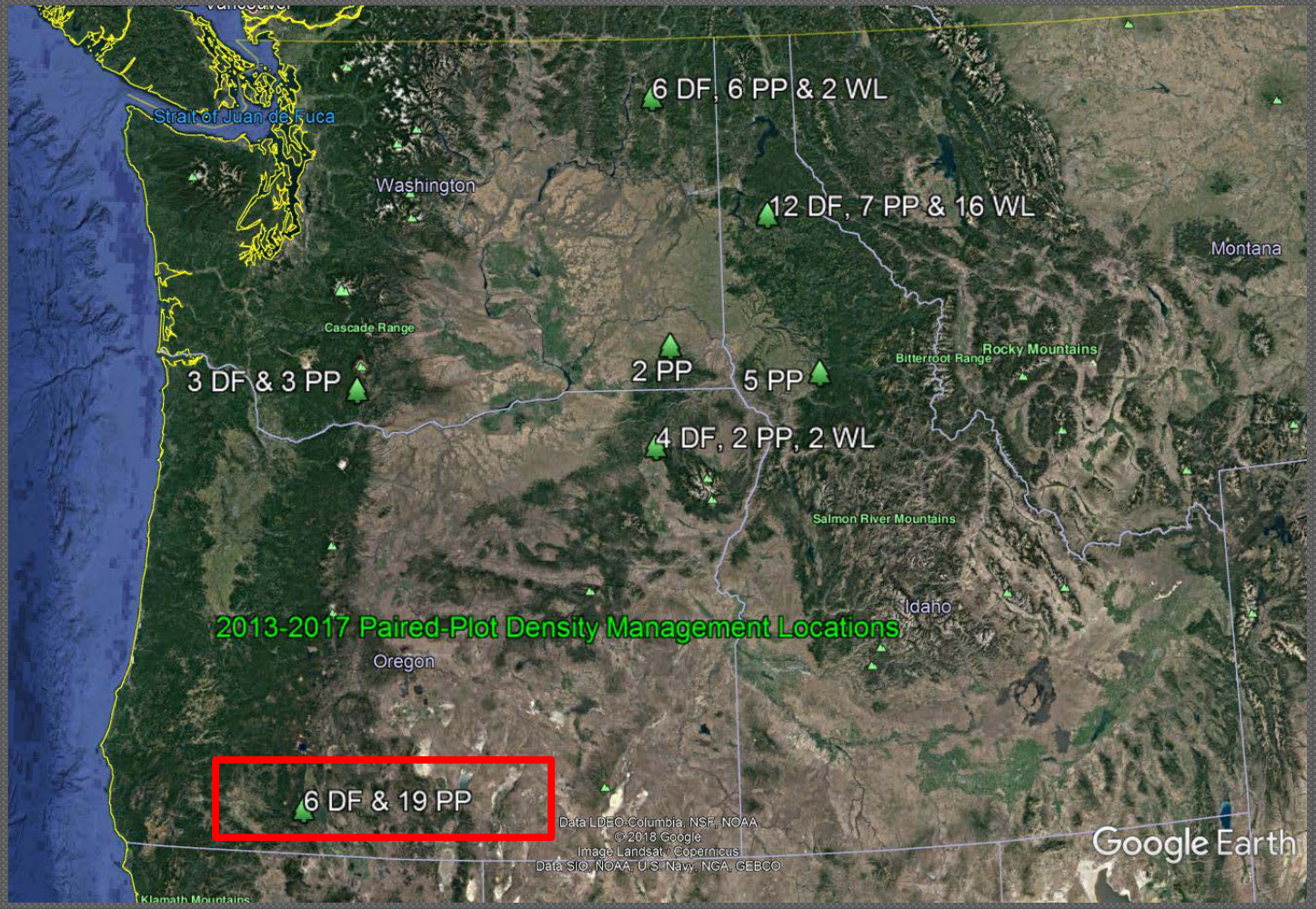
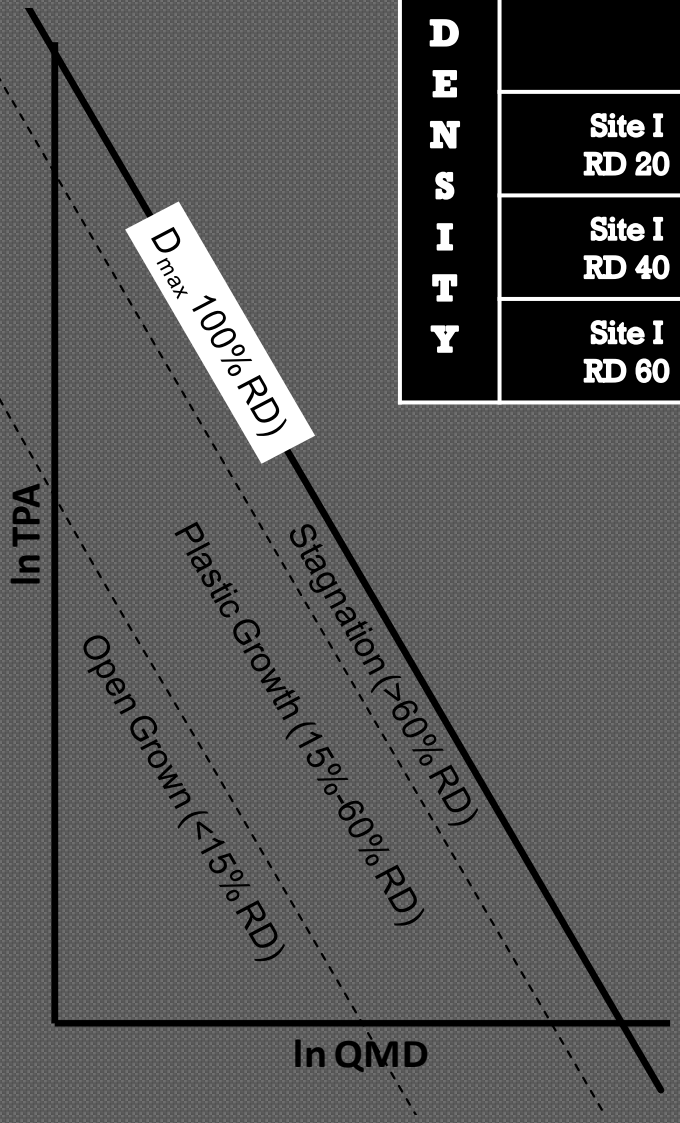


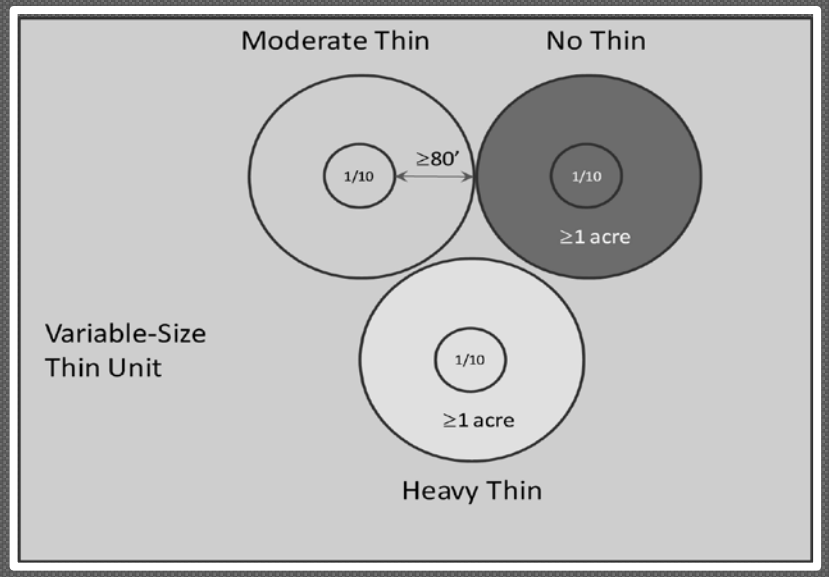
Site Type Initiative
Paired Plot Density Management (PPDM) Trials



IFC Site Type Initiative
Phase II: Paired Plot Density Management Trials



DENSITY	PRODUCTIVITY			
	Site I RD 20	Site II RD 20	Site III RD20	Site IV RD 20
	Site I RD 40	Site II RD 40	Site III RD 40	Site IV RD 40
	Site I RD 60	Site II RD 60	Site III RD 60	Site IV RD 60



IFC Site Type Initiative
Phase II: Paired Plot Density Management Trials

31 Ponderosa Pine Sites

	Site I 10YR ≤ 18'	Site II 19' ≥ 10YR ≤ 22'	Site III 23' ≥ 10YR ≤ 26'	Site IV 10YR ≥ 27'
RD ≤ 35	1	4	2	4
36 ≥ RD < 60	3	5	5	1
RD ≥ 60	0	1	3	2

44 Ponderosa Pine Sites

	Site I 10YR ≤ 18'	Site II 19' ≥ 10YR ≤ 22'	Site III 23' ≥ 10YR ≤ 26'	Site IV 10YR ≥ 27'
RD ≤ 35	4	6	3	1
36 ≥ RD < 60	7	7	3	0
RD ≥ 60	6	4	3	0

IFC Site Type Initiative
Phase II: Paired Plot Density Management Trials

20 Western Larch Sites

	Site I 10YR ≤ 18'	Site II 19' ≥ 10YR ≤ 22'	Site III 23' ≥ 10YR ≤ 26'	Site IV 10YR ≥ 27'
RD[1] ≤ 35	1	3	4	2
36 ≥ RD < 60	0	3	4	1
RD ≥ 60	0	0	2	0

Self-thinning boundary models for conifer stands across the Inland Northwest, USA

Mark J. Kimsey, Jr., Coleman, M., Shaw, T.

1. Introduction

Stand density is a key component in the development and sustainability of a healthy and productive forest. Overstocked stands are susceptible to wildfire during drought and/or insect and disease outbreaks due to intense inter-tree competition for limited site resources (light, nutrients, water). Conversely, forest stands that are understocked, either by man prescription or by natural disturbances, are underutilizing site resources. In eithe same question will always arise: what defines a stand stocking limit as it relates and species composition?