WA DNR Monitoring Projects to fund in 2019-2021: DRAFT: September 4, 2019

Project	Lead	Completion Date
1. Treatment unit monitoring protocol		
• Develop template protocol for landowners to use for treatment monitoring	Sharon Frazey: MARS	Jan 2020
 Set up tablet data collection system and centralized storage for data 		
1. Current Conditions Dataset: Use 2017 DAP (Phodar)		
• Generate metrics with existing LIDAR plots with 2017 DAP: structure classes,	UW-Luke Rogers	June 2020
inventory metrics, + accuracy assessment		
 Mosaic DAP canopy surface models & make available to managers 		
2. Restoration Needs Assessment: 2017 Data		
 Replicate Haugo-Demao methods with 2017 current conditions & HRV ranges 	UW- Brian Harvey	Sept 2020
 Include treatment type and estimates of costs & revenues. 		
 Include fire severity departure 		
3. Effects of treatments on Snow Pack	UW- Jessica Lundquist & Susan	June 2021
 Field study to generate data to validate and improve landscape scale water 		
yield models (DHSVM).	Dickerson-Lange	
4. Treatment effectiveness & longevity:		
 Combine all existing plot data on treatment effectiveness & longevity. 	UW- Brian Harvey	June 2021
 Re-measure plots in 2020 field season 		
 Results will inform long term treatment needs for Eastern WA. 		
5. Investigate improvements in species composition mapping.	OSU	Sept 2020
 Produce best possible species composition layer for EWA using a variety of 		
new remotely sensed data sources.		
6. Continue change detection research with DAP & other data		
 Methods to improve DAP and correct issues with open canopy stands 	UW-Van K	June 2021
 Stand level monitoring with DAP 		
 Expand NSO study to all lands in East Cascades 		
 Train DNR staff in LiDAR processing and analysis 		
7. Current Conditions Dataset: 2019 DAP	DNR – UW for new plot install	June 2021
 Investigate plot networks & need for additional sampling in 2020 		
 Install additional plots in 2020 field season 		
 Produce new version of current conditions dataset with 2019 DAP 		
8. Monitor change in conditions from: 2015 to 2019	DNR FH Staff	Dec 2020 if data
 Use DAP, Landsat & other data sources 		available