

Journal of the Chewaucan Biophysical Monitoring Team during the summer of 2008 kept by Clair Thomas, monitoring project lead.

Summary:

The Chewaucan Biophysical Monitoring Team (CBMT) focused its 2008 field surveys on the following projects:

1. Effect of repeated prescribed burns in the same area;
2. Sub-soiling revisits in Coffeepot Flat;
3. Old growth (ponderosa) response to understory thinning in Coffeepot Flat;
4. Trend study of old growth (ponderosa, sugar pine, white fir) along Morgan Creek;
5. Trend study in ponderosa pine harvested within past 8 years on Swamp creek;
6. Characterization and pre-harvest inventory of CAVA timber sale in Coffeepot Flat;
7. Trend study characterizing regeneration following catastrophic wildfire ;
8. Trend studies in western mountain pine beetle killed lodgepole pine stands in the Upper Chewaucan watershed;
9. Response of old growth ponderosa pine stands infected with the mountain pine beetle in Coffeepot Flat;
10. Response of creek water quality to summer storms;
11. Follow up survey four years after culvert replacement on Little Coffeepot Creek.

The number of sites visited included:

- 63  $\frac{1}{10}$  acre sites were revisited
- 51 new  $\frac{1}{10}$  acre sites were established, and
- 299  $\frac{1}{50}$  acre sites were surveyed

Reports were made on the following subjects, and posters were presented during the 10 year reunion of the Lakeview Stewardship Group.

1. "Determining the best method of road decommissioning using vegetative succession observations."
2. "The biogeophysical affects of catastrophic wildfire on forest soils in the Lake County portion of the Fremont/Winema National Forest"
3. "Characterizing the effects of catastrophic wildfires on the Lake County portion of the Fremont/Winema National Forest",
4. "Comparisons of soil chemistry in Aspen, Juniper, Pine and Fir",
5. "Soil chemistry comparisons between prescribed burning and wildfire",
6. "Pre and post soil comparisons between commercial harvest, precommercial harvest and slashbusting",
7. "Characterization of western mountain pine beetle infestations in the Upper Chewaucan Red Zone",
8. "Landscape modeling of the Bull Stewardship project area following harvest using Landscape Management System (LMS)"

Power Points of these presentations can be viewed under reports on the web page.

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Date	Site	Project	Purpose
6/16	UB 01	State Line Under burn	Training Crew
6/17	UB 01-06	State Line Under burn	Repeated prescribed fire in area
6/18	CO 52, 53, 74	Coffeepot subsoiling	Recovery study
6/19	CO 17-19, 75	Coffeepot subsoiling	Recovery study
6/23	CO 46, 82	Managed Old Growth	Trend study after treatment in 2002
6/24	CO 42-44 1-4	Managed Old Growth (ponderosa)	Trend and comparison study after treatment in 2002
6/25	CO 7, 83-85	Managed Old Growth	Trend study after treatment in 2002
6/26	CO 86-90	Unmanaged Old Growth	Control plots for comparison
6/30	CO 91-93	Unmanaged Old Growth	Control plots
7/1	CO 86-93 CV 01-04	Unmanaged Old Growth CAVA timber sale	Painted & characterized for beetles Pre harvest survey
7/2	CV 05, LH 04	Past timber sale	Post harvest survey (pct and grazing)
7/3	Office	Creating Reports	LSG meeting
7/7	LH 03-06	PCT and burned	post harvest, grazing, compaction
7/8	BK 01	Currier Springs 42 plots	Red Zone beetle trends
7/9	BK 02-03	Rock Springs,	Red Zone beetle trends
7/10	Chew Wtshd	Water quality testing	Control data for post storm data
7/14	LH 01-02 SW 02-04	PCT and burned Commercial harvest	post harvest, grazing, compaction post harvest characterization
7/15	SW 05-08, SW 15,16	Commercial harvest	post harvest characterization
7/16	Office	Soil Chemistry	47 sites
7/17	Office TS-13-18	Soil Chemistry Thomas Creek Fire	17sites Regeneration
7/18	BK 04	Sycan Revisit	Red Zone beetle trends (52 sites)
7/19	Office	LSG presentations	Prepare miscellaneous presentations
7/20	BK 05	Campbell, Deadhorse	Red Zone beetle kill (49 plots)
7/21	SW 09-14	Commercial harvest	comparison of pre and post harvest
7/22	MO 01-04	Morgan Creek OG	Managed Old Growth Pine & Fir
7/23	Elks	LSG 10yr reunion	Presented posters and projects
7/24	BK 06	Campbell Lake	40 sites, LSG Red Zone presentation
7/25	Chew Wtshd	Water Quality testing	Following storm
7/28	BK 07-08	Lee Thomas, Ingram	Beetle kill characteristics (46 sites)
7/29	MO 09-10 MO 12-13 MO 20-21	Morgan Creek OG Unmanaged OG Managed OG	Commercial harvest White fir old growth Riparian zone
7/30	MO 14-16 MO 25, 28	Managed OG Unmanaged OG	Riparian zone Sugar pine and ponderosa
7/31	MO 23-24 MO 26-27 MO 29-30	Unmanaged OG Unmanaged OG Unmanaged OG	Mega Transect Mega Transect Mega Transect

8/04	Office	Soil Chemistry	
8/05	TS 19-24	Grizzly Fire	Regeneration surveys
8/06	TS 67-79	Toolbox/Silver Complex	Regeneration survey
8/07	TS 1-12	Grassy Fire	Regeneration survey
8/11	MO 31-33	Unmanaged OG	Ponderosa, Sugar Pine, White Fir
	MO 06, 34,35	Unmanaged OG	White Fir
8/12	Office	Soils, miscellaneous	Data Crunching
8/13	Office	Data entry, organizing	Data Crunching
8/14	AS 01-14	Aspen Stand	Conifers removed from aspen
8/18	CO 10, 11	Culvert Survey	4 years after culvert replaced
		Stream Survey	(trend study)
8/19	CO 09	Culvert Survey	finished stream survey
8/20	Office	Data entry	stream survey report
8/21	Office	Data entry	files for web page