**Facilities, Equipment, and Other Resources**

**University of Idaho Experimental Forest (CNR)**

The University of Idaho Experimental Forest (UIEF) is managed by the Dean of the College of Natural Resources. UIEF staff and students in our Prescribed Burning Lab course, have been conducting operational burning on 15-30 hectares per year in a variety of forest and shrub fuel types for over 40 years. There is a rich legacy of prescribed fire research on the forest, including two current prescribed burning projects funded by the Joint Fire Sciences Program. UIEF staff participate in National Wildland Fire Coordinating Group (NWCG) fire training, CPR and First Aid. The UIEF has 2 new (2014) fire pumper skid units mounted in 4WD vehicles. These units are equipped with 850 liter polypropylene tanks and Waterous PB18-2515 portable pumps powered by 18HP Briggs and Stratton V-Twin engines. The pumpers can be refilled on-the-fly by a US Army M35 2.5 ton water tender that was designed and built in 2014. The water tender has a 2250 liter capacity water tank and 15 HP centrifugal aqueous pump. The UIEF has over 300 meters of new forestry hose lay and associated fittings and nozzles, 3 portable 950 liter water storage tanks; prescribed burning hand tools (Pulaskis, Mcleods, hoes, chainsaws) and wildland fire monitoring tools such as Kestrel fire weather measurement devices and protimeters.10 Motorola CP200 VHF walkie-talkies are available for communications on an FCC-registered band, as is the full range of Personal Protective Equipment (PPE), including fire glasses and goggles, hard hats, and chainsaw chaps. A cache of wildland fire clothes (nomex shirts and pants, fire shelters, line packs) is shared with the CNR Wildland Fire Program. The UIEF has a 2015 F250 crew cab pickup and several older 4WD pickup trucks for transporting students and staff. All are equipped with CB radios and boosted cell phones. A CAT 518 log skidder, Deere bulldozer, Two Valtra 70 HP and 80 HP woods tractors with Farmi winches, and 23 cm chipper are available for fireline and fuel break construction and incident response. Fire protection on the UIEF is purchased through the Idaho Dept. of Lands and supplemented by initial attack carried out by red-carded staff and volunteers. Three dedicated fire ponds have been constructed in the Flat Creek Unit within 4 miles of where the field experiment is being carried out. Additionally, the Flat Creek Cabin provides housing for graduate students and research support staff and is located just 2 miles from the research site. It is used regularly during pre-dawn physiological measurements and overnights. A network of Campbell meteorological stations provides hourly fire weather, along with localized Decagon weather stations and two independent networks of Ibutton temperature sensors.