

USE OF REMOTE ENVIRONMENTAL MONITORING SYSTEMS (REMS) IN SUPPORT OF WILDFIRE SUPPRESSION EFFORTS

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ABSTRACT

BLM/NIFC/RSFWSU will provide a session revealing some of the current and past remote sensing involvements within the wildfire arena. State of the art electronic sensing methods and devices will be displayed. Several data telemetry options available will also be covered in the display and handouts. Various sensing disciplines available for use in wildfire suppression efforts will be presented. Other related projects may include prescribed burning applications, smoke management, visibility, soils, fuels, and solar radiation.

On display at the session will be a portable "FIRE-RAWS". The complete weather station packs up into one enclosure that weighs 165 lbs. Data is normally retrieved via synthesized voice radio, satellite telemetry, or both for real time information. Also available this season is radio voice synthesized software to provide meteorological information via handheld radio in the Spanish language.

Technical representatives from the RSFWSU will provide information demonstrating the logistics and applications of the RAWS on large-scale wildfires in the past. This information will include such applications as prescription times, safe ignition, relative humidity concerning lay down or continue run possibilities, prevailing and up slope winds, peak winds, and fire weather forecasting.