



Wildfire Ash Measurement Protocol (simple)

Forest Service users of Survey123, please use link below

Basic Information

FIRE: *Name of fire*

DATE: *Date measurements were collected*

SAMPLERS: *Name(s) of samplers*

GPS LOCATION: *Sample location*

NOTICABLE PRECIPITATION SINCE FIRE? *yes or no*

DESCRIPTION OF PRECIPITATION EVIDENCE: *Raindrop splash? Wet ash? Short note here*

OBSERVER NOTES: *Any other notes*

Ash Measurement with ASHER

PHOTO: *Take a photo with the ASHER (ash ruler) on the ground. Scale your photo to no more than 2x the length of the ruler.*

COLOR: *Note the closest match between the ash on the ground and the ruler. Use ASHER color scale to estimate dominant color of a 20 cm x 20 cm area (roughly the size of your hand).*

DEPTH: *Use ASHER to record 3–5 depth measurements in the area of the photo. If the ash is patchy, try to measure across the range of depths. Measure to the nearest mm in depth.*

Upload Data

FOREST SERVICE INTERNAL: <https://arcgis.com/OS9Guy>

EXTERNAL: https://drive.google.com/drive/folders/1yGqA7y4sU4l7WaEeq3hhX1_fdASbrnZX?usp=sharing

EMAIL: brian.Sheppard@usda.gov

Optional

ASH SAMPLE BAG: *Fire / Date / Unique ID to match to photos. Collect a small sandwich baggie of ash (no soil) and send to us for lab analysis. Collect ash with a soil knife, hand trowel, or garden tool. Send samples to:*

Scott Sheppard or Pete Robichaud
USDA Forest Service
Rocky Mountain Research Station
1221 S. Main St.
Moscow, ID 83843

Questions

EMAIL: Brian “Scott” Sheppard brian.Sheppard@usda.gov or Pete Robichaud peter.robichaud@usda.gov

