

Watershed Health Outcomes Tracker Data Requirements

Geodatabase of area treated

Each project must report accomplishments in a digital spatial format (shapefile or KML). The spatial data should include only the treated areas, i.e. the area influenced by the forest management action, rather than the “planning area” or “project area”, which may include unmanaged or “reserve” areas. If management actions differ within the project area due to variability in pre-treatment forest conditions or management objectives, the spatial data should be delineated into treatment units. Spatial data can be collected in the field using GPS or digitized from aerial imagery.

Point location of area treated

Treatment Type

Funding by source

Monitoring Results (pre and post treatment, if available)

- Canopy base height
- Canopy height
- Canopy bulk density
- Canopy cover
- Categorical fire behavior fuel model (provided by Peaks to People until we provide further guidance)

Pre- and Post-Treatment Photographs

Photographs are useful for publicizing Peaks to People accomplishments to non-technical audiences. Photographs can also be used to make rough estimates of treatment effects in the absence of monitoring data. We recommend at least one set of geolocated pre- and post-treatment photographs in representative areas of each treatment unit. Photographs that place the project into the landscape context are also encouraged, e.g. taken from an adjacent ridgeline or a drone.

Attributes to Obtain from Peaks to People:

Performance Measures: Fuels Reduction/Forest Restoration

Active Crown Fire Reduced	Expected/Conditional reduction in sediment costs to water supplies (\$)
Benefit-Cost Ratio of treatment (Risk Reduction/Treatment Cost)	Conditional Reduction in Homes Lost (n)
Benefit-Cost Ratio of treatment (Risk Reduction/Treatment Cost) Matching Funds	Conditional Reduction in Loss Value (\$)
Expected/Conditional reduction in erosion (metric tons)	Crucial wildlife habitat protected from wildfire (acres)
Expected/Conditional reduction in sediment delivered to streams (metric tons)	Parks and open space protected from wildfire (acres)
Expected/Conditional reduction in sediment delivered to water supplies (metric tons)	Trails protected from wildfire (miles)

Fire Behavior Graphic

- Example:

