Understand Current and Future Resource Conditions Through Analysis of Contemporary Remote Sensing Data

Project Number	04.01.01.0008
Action Priority	Conduct Applied Scientific Research
Implementers	U.S. Forest Service - Pacific Southwest Research Station
Supporting Agencies	Unknown
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Stage	Deferred	**Duration**	?
Total Project Cost	$1,000,000	**Funding Request**	Unknown

Science Program › Conduct Applied Scientific Research

Research proposals are requested to (1) provide a spatially explicit determination of current forest structural classes across topographic features; (2) model a range of forest structure restoration strategies that include a range of tree density reductions and creation of openings based on (a) a range of opening sizes, (b) frequency distributions of opening sizes on the landscape, (c) rate of application of openings, e.g., number of openings by size per year, and (d) differences between intensity versus extent of openings. Climate change factors and model parameters could be included in forecasting possible forest density and structural restoration. (3) Analyze datasets to document the location and extent of hard and soft impervious cover; (4) develop derivative products to identify catastrophic fire risk, extent and distribution of defensible space in the urban intermix and Wildland Urban Interface, or hydrologic networks for application to TMDL project planning, floodplain management, or characterization of stream geomorphology; and (5) develop spatial models and maps of habitat suitability for special status plant and wildlife species or communities of concern.

No Key Photo provided for this Project

Targeted Performance Measures

No Expected Accomplishments provided

Threshold Categories

No Threshold Categories provided

Location

Targeted Funding

No Funding Source Identified

Photos

No additional photos provided