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**AUTHORIZATION TO AMEND  
PROFESSIONAL SERVICES CONTRACT  
WITH SPATIAL INFORMATICS GROUP**

**STUDY: AIR POLLUTION IMPACTS OF 2022  
MOSQUITO WILDFIRE**

**Bruce Springsteen, Senior Engineer**

**PCAPCD Board Meeting**

**April 13, 2023**



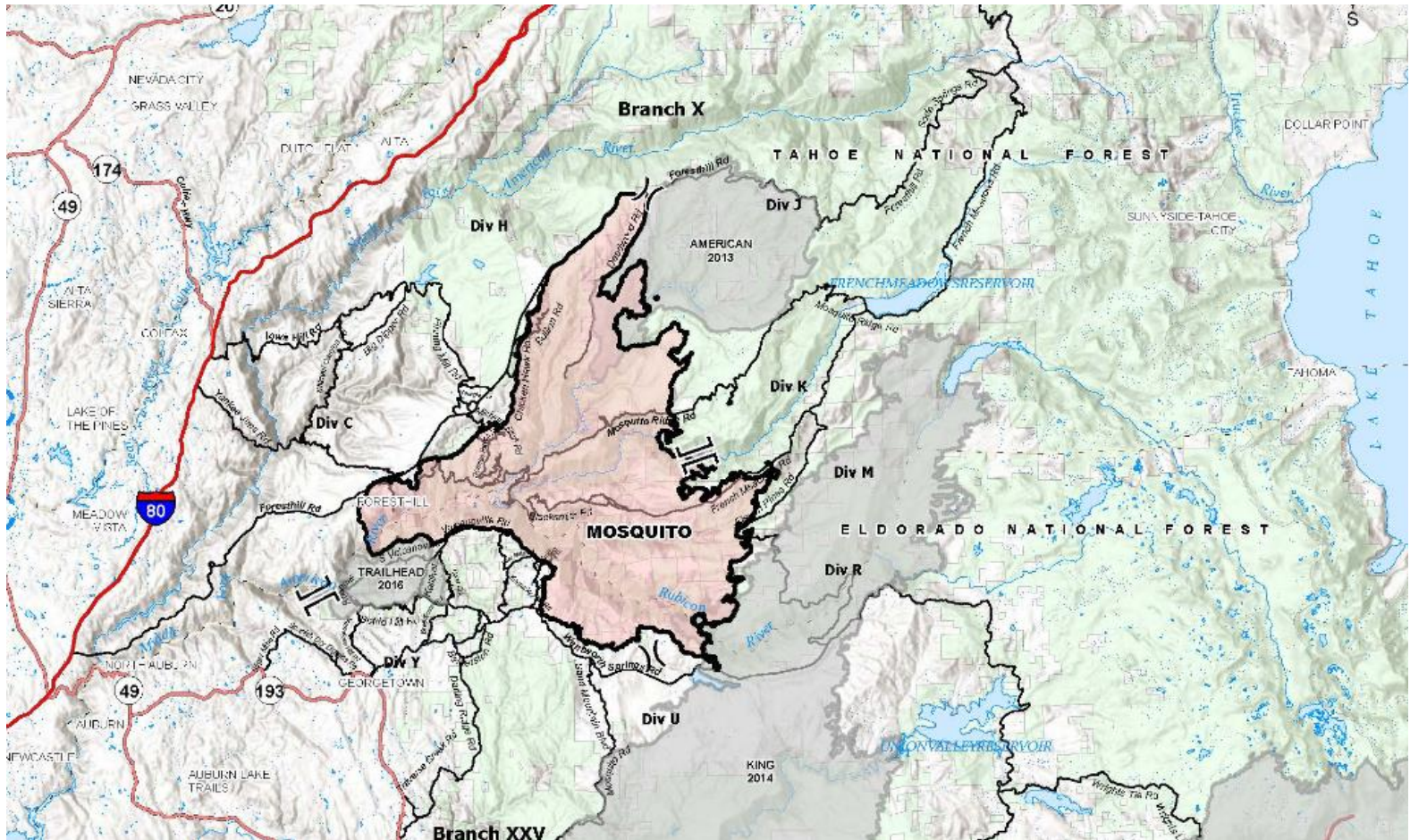
# SPATIAL INFORMATICS GROUP

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- Professional services contract with District since 2010
- Providing support for District biomass and forest program
- Unique expertise in air pollutant emissions from wildfires and forest management in California forest ecologies



# MOSQUITO WILDFIRE (2022)





# PROJECT OBJECTIVES

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- Air pollution releases from Mosquito Wildfire (2022)
  - Criteria air pollutants (PM<sub>10</sub>, NO<sub>x</sub>, VOC, CO, SO<sub>2</sub>)
  - Greenhouse gases (CO<sub>2</sub>, CH<sub>4</sub>, black carbon)
- Public health and economic impacts
  - ER visits, hospital admissions
  - Respiratory and cardiovascular
  - School absences, lost work days
- Inform emission inventory, assist decision makers on benefits of forest fuel hazardous reductions



# PROJECT BUDGET AND SCHEDULE

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- Budget: \$25k
  - Use \$30k of funds from existing District contract with Truepoint Solutions, LLC
- Schedule: April – July 2023
- Report back to Board with results in August



## REQUESTED ACTION

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- Staff recommends adoption of Resolution #23-05, approving amendment to the professional services contract with Spatial Informatics Group, LLC (as contained in Resolution Attachment #1)