

# Wildfire Prediction Project Proposal

Proprietary +  
Confidential

## Objective

This project is aimed at developing a wildfire prediction engine that will improve the capabilities of the current prediction methods for the National Parks Service.

### Planning and Analyzing stages

Milestone	Tasks	Outcome/Deliverables	Estimated Time
Milestone 1	<ul style="list-style-type: none"><li>Project workflow is outlined</li><li>Data is gathered from various sources</li><li>Software/hardware needs are identified</li></ul>	<ul style="list-style-type: none"><li>Stakeholders are updated</li></ul>	2–3 weeks
Milestone 2	<ul style="list-style-type: none"><li>Data is scrubbed, converted, and formatted</li></ul>	<ul style="list-style-type: none"><li>Database ready for modeling</li><li>Stakeholders are updated</li></ul>	2–3 weeks

### Constructing and Executing stages

Milestone 3	<ul style="list-style-type: none"><li>Modeling and machine learning decisions are finalized</li><li>Model is constructed</li><li>Machine learning techniques are tested and retested for accuracy</li></ul>	<ul style="list-style-type: none"><li>Machine learning model</li><li>Stakeholders are updated</li></ul>	4 weeks
Milestone 4	<ul style="list-style-type: none"><li>Results are finalized</li><li>Findings are shared with stakeholders</li><li>Feedback is incorporated</li></ul>	<ul style="list-style-type: none"><li>Visualizations</li><li>Executive summary</li><li>Results</li></ul>	3 weeks