Federal Aviation Administration

Golden Gate, Muir Woods, Point Reyes

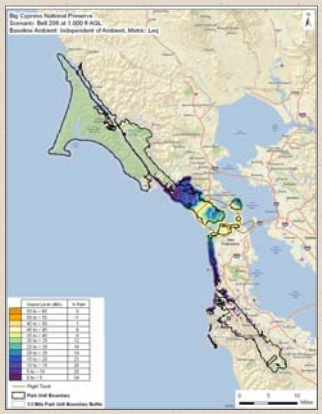
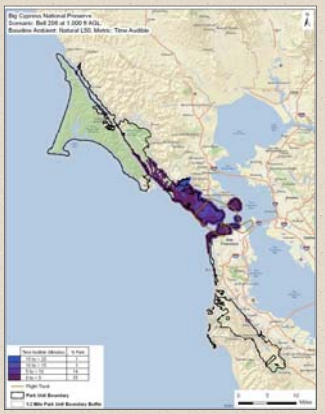
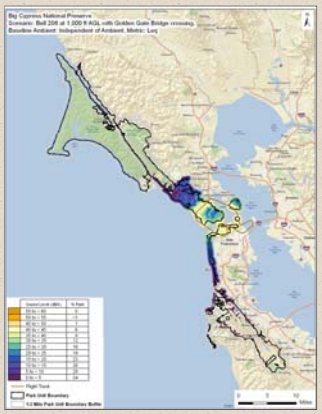
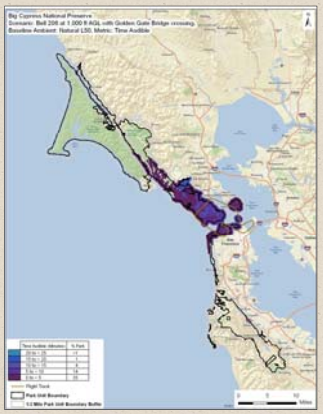
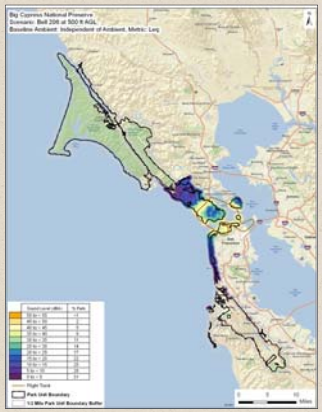
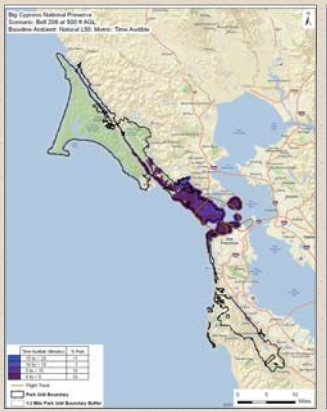
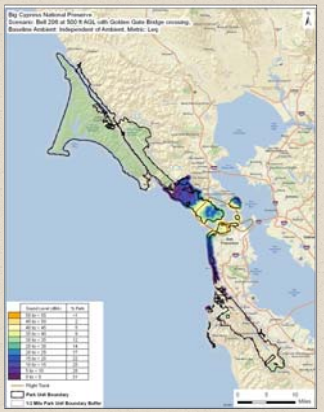
U.S. Department of the Interior
National Park Service

Modeling Current Conditions

This analysis consists of modeling single aircraft operations on existing air tour routes using the FAA's Integrated Noise Model (INM), Version 6.2a. INM's output contours are color-gradient plots that depict the noise footprint of the modeled event. including the percentage of the park area potentially affected. Modeling a Bell 206 helicopter at 2 altitudes [500 and 1,000 ft above ground level (AGL)], the resultant noise contours for 2 metrics are shown:

- Average Sound Level (L_{eq}): Also referred to as the Equivalent Sound Level, reflects the sound level (in decibels) of the aircraft itself and does not take into account background ambient.
- Time Audible: The amount of time (in minutes) that an air tour aircraft could potentially be audible with respect to 2 background ambients (Natural Ambient includes only natural sounds, and Existing Ambient includes all sounds).

Modeled Air Tour Routes

	Average Sound Level	*Time Audible (Natural Ambient)*	*Time Audible (Existing Ambient)*	*Average Sound Level*	*Time Audible (Natural Ambient)*	*Time Audible (Existing Ambient)*
1,000 ft AGL Results						
				With Golden Gate Bridge Crossing		
500 ft AGL Results						
				With Golden Gate Bridge Crossing		