

Site Evaluation Data Design Analysis

	Site A	Site B	Site C
Pro's	<ul style="list-style-type: none"> • Immediate access to large road • All utilities immediately available • 2nd floor works well with existing grade • Smaller limit of disturbance • Minimal disturbance of existing trails 	<ul style="list-style-type: none"> • All utilities immediately available 	<ul style="list-style-type: none"> • Minimal earthwork anticipated <ul style="list-style-type: none"> • Minimal fill anticipated • All utilities immediately available
Con's	<ul style="list-style-type: none"> • Significant fill required • Significant retaining walls required • Relocation of stormwater main anticipated 	<ul style="list-style-type: none"> • Overhead utilities will need to be relocated. • Lift station may need to be added • Significant rock outcroppings will need to be removed • Significant fill will be required • Substantial reconfiguration of existing trails anticipated 	<ul style="list-style-type: none"> • Grade of North Mesa Rd may cause difficulties during winter months
Zoning:	<ul style="list-style-type: none"> • Rezoning required if lot lines are adjusted which is anticipated 	<ul style="list-style-type: none"> • Rezoning required 	<ul style="list-style-type: none"> • Rezoning required

Natural Resources Analysis

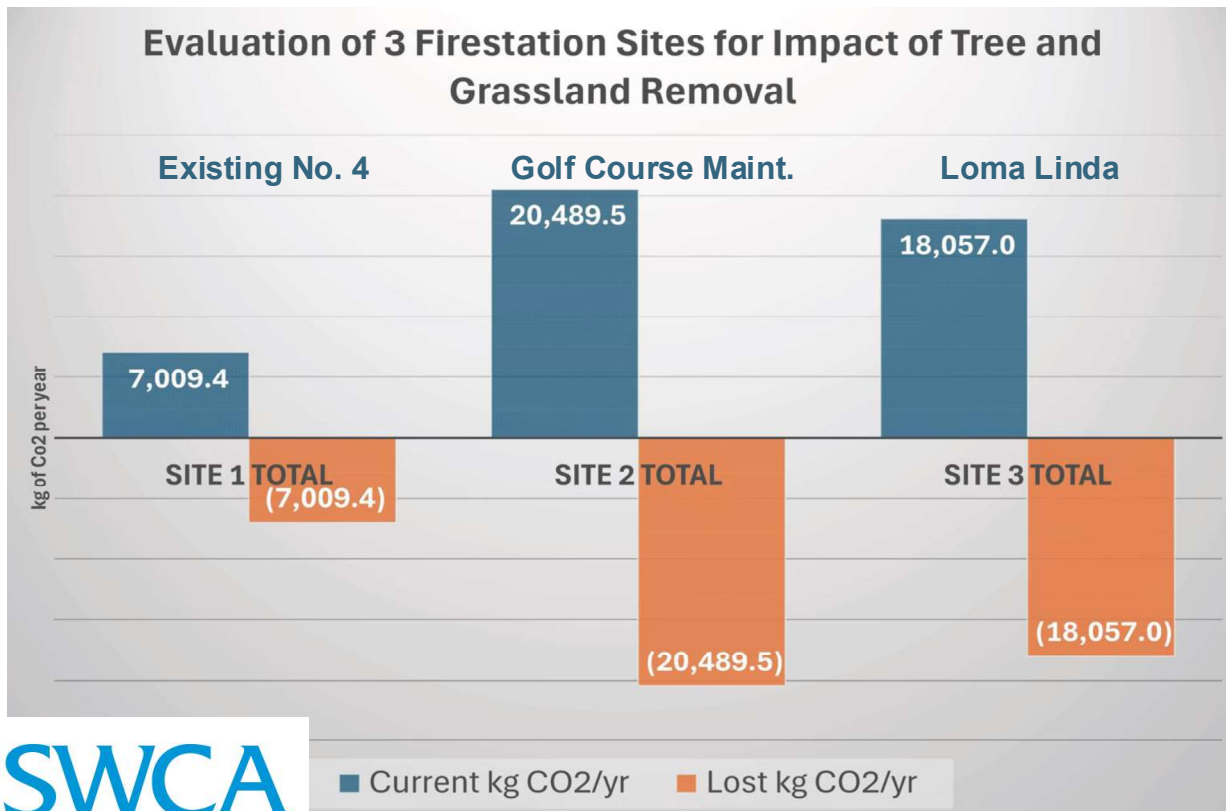
- **Geology**
 - Well Drained Soils
 - Classified as not prime farmland of Statewide Importance
- **Paleontology**
 - Potential Fossil Yield Class 2 (Low-Geologic units unlikely to contain paleontological resources)
- **Wildlife**
 - Potential for three listed species listed as threatened: Monarch Butterfly, Gray Vireo, Spotted Bat
 - Sites do not likely have suitable nesting or foraging habitats for Golden or Bald Eagles
- **Aquatic Resources**
 - No NWI-mapped wetlands or NHD-mapped flowlines
 - No intersections within FEMA-mapped flood zones




Natural Resources Analysis | Vegetation

Site	Limit of Disturbance (acres)	Existing Disturbance Deductions (acres)	Total Anticipated Disturbance (acres)	Analysis Area, with 100-foot buffer (acres)
Site A	1.69	0.17	1.52	3.41
Site B	4.10	0.40	3.70	6.52
Site C	2.39	0.02	2.37	6.06



Natural Resources Analysis | Carbon



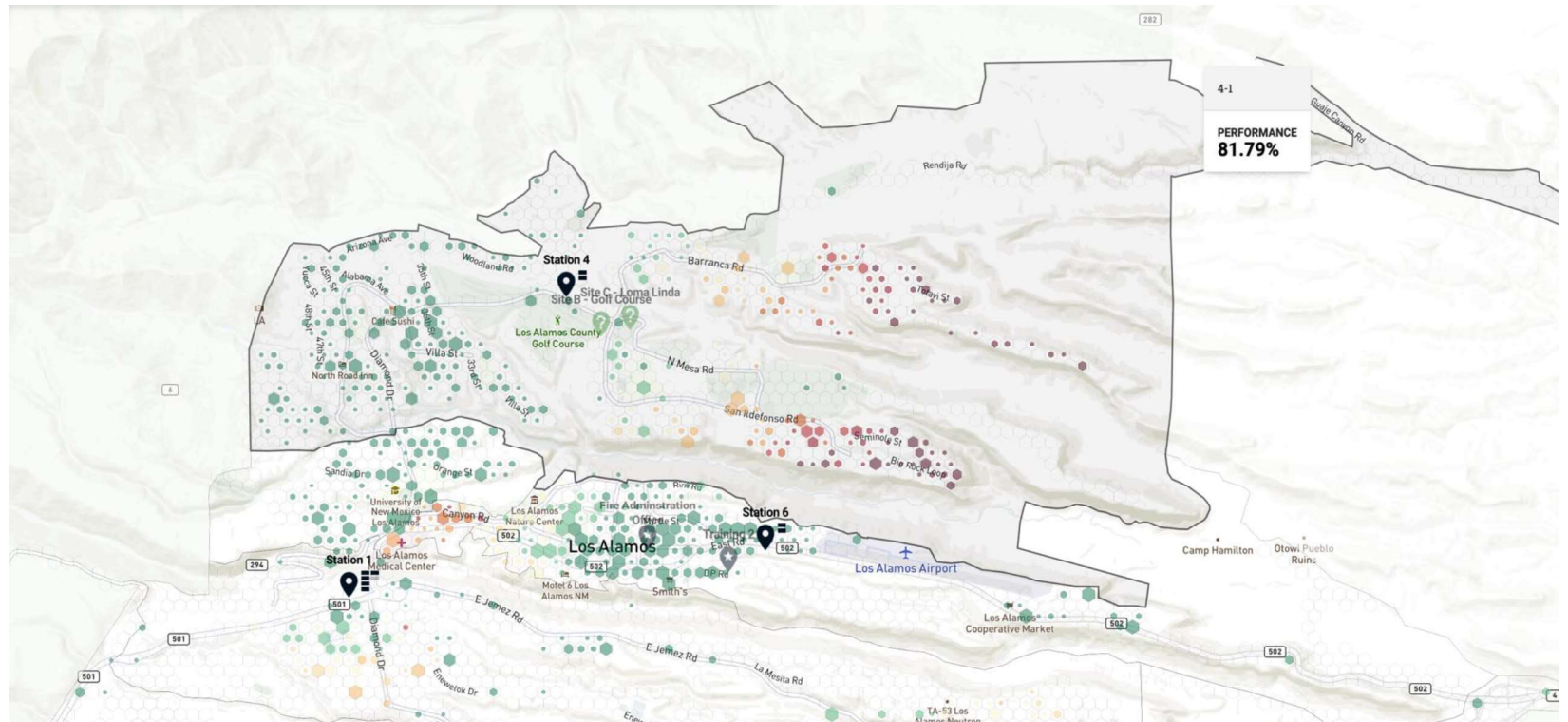
Impact Equivalent to:	
Site 1	 789 gallons gasoline / year
Site 2	 2,306 gallons gasoline / year
Site 3	 2,032 gallons gasoline / year



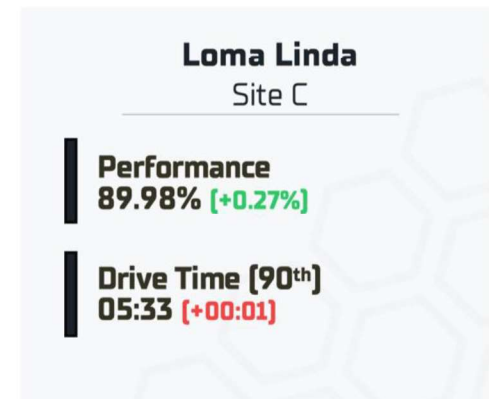
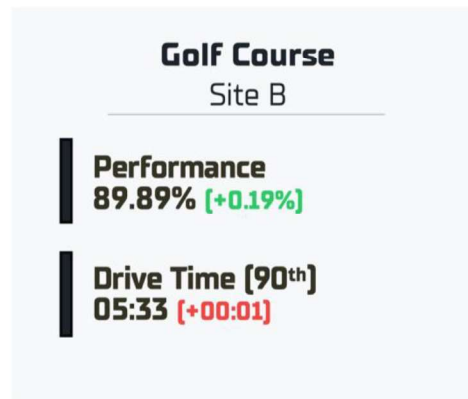
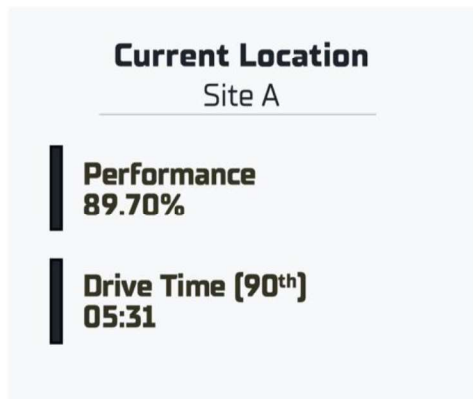
Natural Resources Analysis | Cultural Resources

- There are no previously recorded cultural resources within any of the 3 sites
- Site A and Site C have been covered by a previous survey
- Site B has been 50% covered by a previous survey. Pedestrian Survey recommended for remaining 50% if this site is chosen.

Response Time Analysis



Response Time Analysis



Our analysis suggests that relocating Station 4 to either the Golf Course (Site B) or Loma Linda (Site C) would offer limited significant benefits. Performance across all three locations, including the current site, is generally high. While Site C shows the highest performance, the differences are minimal, with marginal improvements of 0.19% and 0.27% for Sites B and C respectively, compared to the current location. Given these findings, our model indicates that any of the three sites would be suitable candidates for the station, with limited additional advantage to relocation.

