

Table 3. Estimated Potential Effects Acreage

	A	B	C	D	E	F	G
Critical Habitat Unit	Site Area (acres)	Area of Serpentine Habitat	Average deposition (kg/ha-yr) ^a	Fraction of Background Deposition ^b	Total N (kg/ha/yr)	Total N (kg/ha/yr)	Percent Deposition x Site Area (ac) ^c
Bear Ranch Unit	283	59.9	0.0073	0.0009	1.833	0.003	0.2547
Communication Hill	0	170.0	0.034	0.004	5.075	0.0138	0
Kalana Hills	226	106.4	0.0162	0.0019	0.537	0.0066	0.4294
Kirby	5,446	2753.9	0.0147	0.0018	22.315	0.006	9.8028
Morgan Hill	507	361.9	0.0196	0.0023	3.423	0.0079	1.1661
Metcalf Unit	3,019	1158.4	0.02	0.0014	5.942	0.0049	4.2266
San Felipe	659	597.7	0.0166	0.002	4.008	0.0067	1.318
Silver Creek	825	576.2	0.0097	0.0012	1.573	0.0039	0.99
San Vicente-Calero	1,543	520.0	0.0118	0.0014	1.295	0.0048	2.1602
San Martin	467	201.4	0.0305	0.0036	7.234	0.0123	1.6812
Santa Theresa Hills	3,278	1209.4	0.0166	0.002	8.703	0.0067	6.556
Tulare Hill	348	347.4	0.0214	0.0025	2.669	0.0087	0.87
Total	16,601	8,062.58	0.2184²				29.455
Other Serpentine Grasslands ⁶	2,243 ¹	2,243 ¹	0.0182 ³	0.002167 ⁴			4.860581 ⁵
Total (acres)	18,844	10,305.68					34.315581

a Average deposition per habitat unit, from ISCST3 stack emissions and meteorological model.

b Background deposition is 8.4 kg/ha-yr, so D = C/8.4.

c Effects acreage is calculated as critical habitat unit acres times project deposition as a percent of background.

1 Estimate of serpentine habitat in Santa Clara County outside the 2008 designated Critical Habitat.

2 Sum of all of Column C.

3 Average of Column C (sum divided by 12); Kalana Hills Units A & B were combined in this table.

4 Project deposition as a percent of background (Ave of Column C divided by 8.4 kg N/ha-yr).

5 Effects acreage of the additional serpentine grassland ac.

6 Serpentine grasslands likely to be effected by the project, but outside designated critical habitat.

*The 170 ac in column B for Communications Hill was left in the row (instead of adding to the 2,243 ac) because ave. deposition was provided for that area.