

Table 3H-7. Summary of FDM Modeling Results

Parameter	Lake Level							
	6,372-Ft	6,375.1-Ft	6,377-Ft	6,381.3-Ft	6,383.5-Ft	6,387-Ft	6,390-Ft	6,400-Ft
Source area acreage								
High-emission-rate areas	7,297	5,604	5,208	2,652	2,443	1,223	635	205
Lake	34,891	34,891	34,891	34,891	34,891	34,891	34,891	34,891
Low-emission-rate areas	5,536	5,536	5,536	5,536	5,536	5,536	5,536	4,391
Modeled days out of 50 with any receptor concentrations above								
50 Fg/m ³	49	49	49	49	49	49	49	34
150 Fg/m ³	40	39	38	36	36	34	30	9
Receptor count								
PM ₁₀ > 50 Fg/m ³	233	224	214	161	153	78	44	20
PM ₁₀ > 100 Fg/m ³	180	156	148	70	62	29	15	4
PM ₁₀ > 150 Fg/m ³	139	107	100	39	38	17	8	2
PM ₁₀ > 200 Fg/m ³	105	81	73	30	28	13	7	1
PM ₁₀ > 500 Fg/m ³	42	31	30	10	8	3	2	0
Maximum episode PM₁₀ (Fg/m³)								
Highest receptor point	1,761.7	1,526.9	1,519.7	1,428.2	1,428.2	1,158.0	1,158.0	281.0
Navy Beach area	88.1	87.8	87.8	87.8	87.8	87.8	87.8	58.8
South Tufa area	119.6	100.1	91.7	69.0	69.0	69.0	69.0	46.8
Lee Vining area	17.0	14.6	13.8	8.9	8.9	6.7	6.7	6.4
Lee Vining Tufa area	24.3	20.9	19.7	13.8	13.8	10.1	9.3	7.5
Old Marina area	21.8	21.8	21.8	21.8	21.8	21.8	21.8	19.9
County Park area	23.8	23.8	23.8	23.8	23.8	23.8	23.8	23.7
Black Point parking lot area	47.3	42.3	39.9	18.9	19.1	16.4	16.4	16.3
Simis Ranch area	312.3	264.5	262.8	174.8	170.4	67.7	49.3	35.0
Ten Mile Road area	794.8	626.9	609.7	382.5	381.3	105.2	104.3	72.5
Cedar Hill area	90.9	66.9	62.6	32.7	28.1	19.2	7.6	5.2
Warm Springs area	1,094.4	1,044.5	973.4	831.1	784.8	626.1	126.2	42.2
Simon's Spring area	576.4	576.4	567.9	30.5	30.5	30.5	30.5	22.2
Notes: State 24-hour PM ₁₀ standard is 50 Fg/m ³ . Federal 24-hour PM ₁₀ standard is 150 Fg/m ³ . See Figure 3H-24 for receptor area locations.								