Appendix A –
Air Quality Technical Report – Encinitas Sanctuary Project
Part 2

Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.41	2.41	< 0.005	< 0.005	< 0.005	2.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.6. Building Construction (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.48	8.46	14.5	0.02	0.09	—	0.09	0.08	—	0.08	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.48	8.46	14.5	0.02	0.09	—	0.09	0.08	—	0.08	—	2,294	2,294	0.09	0.02	—	2,302
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.30	5.33	9.12	0.01	0.05	—	0.05	0.05	—	0.05	—	1,445	1,445	0.06	0.01	—	1,450

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.97	1.66	< 0.005	0.01	—	0.01	0.01	—	0.01	—	239	239	0.01	< 0.005	—	240
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.82	3.82	< 0.005	< 0.005	< 0.005	4.01
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.41	2.41	< 0.005	< 0.005	< 0.005	2.53
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.40	0.40	< 0.005	< 0.005	< 0.005	0.42
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Paving (2024) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	6.87	8.89	0.01	0.33	—	0.33	0.30	—	0.30	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.34	0.44	< 0.005	0.02	—	0.02	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.8. Paving (2024) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.47	6.29	9.39	0.01	0.11	—	0.11	0.11	—	0.11	—	1,351	1,351	0.05	0.01	—	1,355
Paving	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.31	0.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	66.6	66.6	< 0.005	< 0.005	—	66.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.0	11.0	< 0.005	< 0.005	—	11.1
Paving	—	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.84	3.84	< 0.005	< 0.005	< 0.005	4.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Architectural Coating (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	7.48	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Architect Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.79	3.79	< 0.005	< 0.005	< 0.005	3.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.10. Architectural Coating (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	1.37	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.79	3.79	< 0.005	< 0.005	< 0.005	3.97
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.19	0.19	< 0.005	< 0.005	< 0.005	0.20
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	1/2/2024	1/8/2024	5.00	5.00	—
Grading	Grading	1/9/2024	1/18/2024	5.00	8.00	—
Building Construction	Building Construction	1/19/2024	12/5/2024	5.00	230	—
Paving	Paving	12/6/2024	12/31/2024	5.00	18.0	—
Architectural Coating	Architectural Coating	1/2/2025	1/27/2025	5.00	18.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Average	1.00	7.00	367	0.29

Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	7.00	84.0	0.37
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	8.00	84.0	0.37
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	8.00	84.0	0.37
Building Construction	Cranes	Diesel	Tier 4 Interim	1.00	7.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	7.00	84.0	0.37

Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Paving	Cement and Mortar Mixers	Diesel	Average	2.00	6.00	10.0	0.56
Paving	Pavers	Diesel	Tier 4 Interim	1.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	6.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	6.00	36.0	0.38
Paving	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	0.25	HHDT,MHDT
Grading	Hauling	126	0.25	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	0.25	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT

Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	18.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	0.00	12.0	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	0.25	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	4.00	0.25	HHDT
Grading	—	—	—	—
Grading	Worker	0.00	12.0	LDA,LDT1,LDT2
Grading	Vendor	2.00	0.25	HHDT,MHDT
Grading	Hauling	126	0.25	HHDT
Grading	Onsite truck	4.00	0.25	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	0.00	12.0	LDA,LDT1,LDT2
Building Construction	Vendor	2.00	0.25	HHDT,MHDT

Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	—	HHDT
Paving	—	—	—	—
Paving	Worker	0.00	12.0	LDA,LDT1,LDT2
Paving	Vendor	2.00	0.25	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	0.00	12.0	LDA,LDT1,LDT2
Architectural Coating	Vendor	2.00	0.25	HHDT,MHDT
Architectural Coating	Hauling	0.00	18.0	HHDT
Architectural Coating	Onsite truck	0.00	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	35,539	11,846	0.00	0.00	5,332

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	7.50	0.00	—

Grading	0.00	8,000	8.00	0.00	—
Paving	0.00	0.00	0.00	0.00	2.14

5.6.2. Construction Earthmoving Control Strategies

Non-applicable. No control strategies activated by user.

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.10	0%
Other Asphalt Surfaces	0.97	100%
City Park	0.00	0%
Other Non-Asphalt Surfaces	1.07	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2024	61.8	540	0.03	< 0.005
2025	79.5	540	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

Cal-Adapt midcentury 2040–2059 average projections for four hazards are reported below for your project location. These are under Representation Concentration Pathway (RCP) 8.5 which assumes GHG emissions will continue to rise strongly through 2050 and then plateau around 2100.

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	13.2	annual days of extreme heat
Extreme Precipitation	3.00	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth

Wildfire	2.14	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	N/A	N/A	N/A	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	1	1	2
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	N/A	N/A	N/A	N/A

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	40.0
AQ-PM	34.0
AQ-DPM	12.2
Drinking Water	40.8
Lead Risk Housing	16.8
Pesticides	61.4
Toxic Releases	13.2
Traffic	13.3

Effect Indicators	—
CleanUp Sites	0.00
Groundwater	3.32
Haz Waste Facilities/Generators	16.6
Impaired Water Bodies	90.1
Solid Waste	24.8
Sensitive Population	—
Asthma	6.94
Cardio-vascular	25.5
Low Birth Weights	13.9
Socioeconomic Factor Indicators	—
Education	6.95
Housing	24.9
Linguistic	0.00
Poverty	24.7
Unemployment	33.6

7.2. Healthy Places Index Scores

The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	74.04080585
Employed	62.37649172
Median HI	82.97189786
Education	—
Bachelor's or higher	83.65199538
High school enrollment	100

Preschool enrollment	87.36045169
Transportation	—
Auto Access	93.63531374
Active commuting	32.51636084
Social	—
2-parent households	35.2239189
Voting	97.12562556
Neighborhood	—
Alcohol availability	88.22019761
Park access	53.4838958
Retail density	45.56653407
Supermarket access	55.4471962
Tree canopy	69.45977159
Housing	—
Homeownership	69.53676376
Housing habitability	84.53740536
Low-inc homeowner severe housing cost burden	80.05902733
Low-inc renter severe housing cost burden	71.52572822
Uncrowded housing	58.74502759
Health Outcomes	—
Insured adults	49.23649429
Arthritis	0.0
Asthma ER Admissions	93.6
High Blood Pressure	0.0
Cancer (excluding skin)	0.0
Asthma	0.0
Coronary Heart Disease	0.0

Chronic Obstructive Pulmonary Disease	0.0
Diagnosed Diabetes	0.0
Life Expectancy at Birth	76.7
Cognitively Disabled	70.6
Physically Disabled	80.2
Heart Attack ER Admissions	87.4
Mental Health Not Good	0.0
Chronic Kidney Disease	0.0
Obesity	0.0
Pedestrian Injuries	19.6
Physical Health Not Good	0.0
Stroke	0.0
Health Risk Behaviors	—
Binge Drinking	0.0
Current Smoker	0.0
No Leisure Time for Physical Activity	0.0
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	73.7
Elderly	42.0
English Speaking	92.8
Foreign-born	27.9
Outdoor Workers	56.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	69.2
Traffic Density	18.6

Traffic Access	23.0
Other Indices	—
Hardship	22.8
Other Decision Support	—
2016 Voting	98.0

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	5.00
Healthy Places Index Score for Project Location (b)	85.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

a: The maximum CalEnviroScreen score is 100. A high score (i.e., greater than 50) reflects a higher pollution burden compared to other census tracts in the state.
b: The maximum Health Places Index score is 100. A high score (i.e., greater than 50) reflects healthier community conditions compared to other census tracts in the state.

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Project Description
Construction: Construction Phases	Default schedule lengths. No demo.

Construction: Trips and VMT	Only diesel fueled vehicles
Operations: Vehicle Data	Traffic Study. Active open space modeled as park, no trip generation.
Characteristics: Utility Information	—

```
**
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** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 2/12/2023
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Construction.ADI
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**
**
**************************************
** AERMOD Control Pathway
**************************************
**
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   AVERTIME 1 PERIOD
   URBANOPT 3287306
   POLLUTID PM_10
   RUNORNOT RUN
   ERRORFIL "Sanctuary Construction.err"
CO FINISHED
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** AERMOD Source Pathway
**************************************
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SO STARTING
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** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
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** DESCRSRC
** PREFIX
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** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 5.00
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   SUMMFILE "Sanctuary Construction.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


    ******** FATAL ERROR MESSAGES ********
               ***  NONE  ***


    ********   WARNING MESSAGES   ********
 ME W186     544       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
     0.50
 ME W187     544       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET


 *********************************
 *** SETUP Finishes Successfully ***
 *********************************

 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                           ***     MODEL SETUP OPTIONS SUMMARY
 ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
```

```
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
      * Model Accounts for ELEVated Terrain Effects.
      * Use Calms Processing Routine.
      * Use Missing Data Processing Routine.
      * No Exponential Decay.
      * Model Uses URBAN Dispersion Algorithm for the SBL for   214 Source(s),
        for Total of    1 Urban Area(s):
   Urban Population =   3287306.0 ;  Urban Roughness Length =  1.000 m
      * Urban Roughness Length of 1.0 Meter Used.
      * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
      * CCVR_Sub - Meteorological data includes CCVR substitutions
      * TEMP_Sub - Meteorological data includes TEMP substitutions
      * Model Assumes No FLAGPOLE Receptor Heights.
      * The User Specified a Pollutant Type of: PM_10

 **Model Calculates  1 Short Term Average(s) of:   1-HR
     and Calculates PERIOD Averages

 **This Run Includes:    214 Source(s);       1 Source Group(s); and    1001
Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:    214 VOLUME source(s)
                 and:      0 AREA type source(s)
                 and:      0 LINE source(s)
                 and:      0 RLINE/RLINEXT source(s)
                 and:      0 OPENPIT source(s)
                 and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                 and:      0 SWPOINT source(s)


 **Model Set To Continue RUNning After the Setup Testing.

 **The AERMET Input Meteorological Data Version Date:  22112

 **Output Options Selected:
          Model Outputs Tables of PERIOD Averages by Receptor
          Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE
Keyword)
          Model Outputs External File(s) of High Values for Plotting (PLOTFILE
Keyword)
          Model Outputs Separate Summary File of High Ranked Values (SUMMFILE
Keyword)
```

 **NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                                 m for Missing Hours
                                                                 b for Both Calm and
Missing Hours

 **Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) =   92.00 ; Decay
Coef. =   0.000   ; Rot. Angle =   0.0
                  Emission Units = GRAMS/SEC   ;
Emission Rate Unit Factor =   0.10000E+07
                  Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =   3.7 MB of RAM.

 **Input Runstream File: aermod.inp

 **Output Print File: aermod.out

 **Detailed Error/Message File: Sanctuary Construction.err

 **File for Summary of Results: Sanctuary Construction.sum

↟ *** AERMOD - VERSION 22112 ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***   02/12/23
 *** AERMET - VERSION 22112 ***   ***
                       ***   20:07:49

                                  PAGE   2
 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                                                *** VOLUME SOURCE DATA ***

               NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
 -
- - - - - - - - - - - - - - - - - - - -

 L0000001   0   0.46729E-02 478002.7 3656145.5   41.4   5.00   4.65
2.33   YES
 L0000002   0   0.46729E-02 477993.1 3656148.3   42.3   5.00   4.65
2.33   YES
 L0000003   0   0.46729E-02 477983.5 3656151.2   43.0   5.00   4.65
2.33   YES
 L0000004   0   0.46729E-02 477973.9 3656154.0   43.9   5.00   4.65
2.33   YES

```
 L0000005         0   0.46729E-02  477964.3 3656156.8    44.8     5.00     4.65
2.33     YES
 L0000006         0   0.46729E-02  477954.7 3656159.7    45.5     5.00     4.65
2.33     YES
 L0000007         0   0.46729E-02  477945.1 3656162.5    46.6     5.00     4.65
2.33     YES
 L0000008         0   0.46729E-02  477935.6 3656165.3    47.7     5.00     4.65
2.33     YES
 L0000009         0   0.46729E-02  477926.0 3656168.1    48.8     5.00     4.65
2.33     YES
 L0000010         0   0.46729E-02  477916.4 3656171.0    49.9     5.00     4.65
2.33     YES
 L0000011         0   0.46729E-02  477906.8 3656173.8    50.6     5.00     4.65
2.33     YES
 L0000012         0   0.46729E-02  477897.2 3656176.6    51.3     5.00     4.65
2.33     YES
 L0000013         0   0.46729E-02  477887.6 3656179.4    51.8     5.00     4.65
2.33     YES
 L0000014         0   0.46729E-02  477878.0 3656182.3    52.8     5.00     4.65
2.33     YES
 L0000015         0   0.46729E-02  477868.4 3656185.1    53.8     5.00     4.65
2.33     YES
 L0000016         0   0.46729E-02  477858.8 3656187.9    54.7     5.00     4.65
2.33     YES
 L0000017         0   0.46729E-02  477849.2 3656190.8    55.9     5.00     4.65
2.33     YES
 L0000018         0   0.46729E-02  477839.6 3656193.6    56.9     5.00     4.65
2.33     YES
 L0000019         0   0.46729E-02  477830.0 3656196.4    57.5     5.00     4.65
2.33     YES
 L0000020         0   0.46729E-02  477820.5 3656199.2    58.3     5.00     4.65
2.33     YES
 L0000021         0   0.46729E-02  477810.9 3656202.1    59.5     5.00     4.65
2.33     YES
 L0000022         0   0.46729E-02  477801.3 3656204.9    60.6     5.00     4.65
2.33     YES
 L0000023         0   0.46729E-02  477791.7 3656207.7    61.6     5.00     4.65
2.33     YES
 L0000024         0   0.46729E-02  477782.1 3656210.6    62.6     5.00     4.65
2.33     YES
 L0000025         0   0.46729E-02  477772.5 3656213.4    63.3     5.00     4.65
2.33     YES
 L0000026         0   0.46729E-02  477762.9 3656216.2    64.1     5.00     4.65
2.33     YES
 L0000027         0   0.46729E-02  477753.3 3656219.0    64.8     5.00     4.65
2.33     YES
 L0000028         0   0.46729E-02  477743.7 3656221.9    65.6     5.00     4.65
2.33     YES
 L0000029         0   0.46729E-02  477734.1 3656224.7    66.2     5.00     4.65
2.33     YES
```

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 L0000030         0   0.46729E-02  477728.3 3656220.6    66.7     5.00     4.65
2.33     YES
 L0000031         0   0.46729E-02  477725.6 3656211.0    67.2     5.00     4.65
2.33     YES
 L0000032         0   0.46729E-02  477722.8 3656201.4    64.1     5.00     4.65
2.33     YES
 L0000033         0   0.46729E-02  477720.0 3656191.8    61.7     5.00     4.65
2.33     YES
 L0000034         0   0.46729E-02  477717.2 3656182.2    60.2     5.00     4.65
2.33     YES
 L0000035         0   0.46729E-02  477719.5 3656175.2    59.8     5.00     4.65
2.33     YES
 L0000036         0   0.46729E-02  477729.0 3656172.2    59.8     5.00     4.65
2.33     YES
 L0000037         0   0.46729E-02  477738.5 3656169.1    58.5     5.00     4.65
2.33     YES
 L0000038         0   0.46729E-02  477748.0 3656166.1    57.7     5.00     4.65
2.33     YES
 L0000039         0   0.46729E-02  477757.5 3656163.0    57.0     5.00     4.65
2.33     YES
 L0000040         0   0.46729E-02  477767.1 3656160.0    58.0     5.00     4.65
2.33     YES
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000041         0   0.46729E-02  477764.9 3656150.8    55.6     5.00     4.65
2.33     YES
 L0000042         0   0.46729E-02  477762.0 3656141.2    54.1     5.00     4.65
2.33     YES
 L0000043         0   0.46729E-02  477759.1 3656131.7    54.0     5.00     4.65
2.33     YES
 L0000044         0   0.46729E-02  477756.2 3656122.1    54.6     5.00     4.65
2.33     YES
```

L0000045	0	0.46729E-02	477756.1	3656114.0	53.3	5.00	4.65	2.33 YES
L0000046	0	0.46729E-02	477765.7	3656111.1	51.6	5.00	4.65	2.33 YES
L0000047	0	0.46729E-02	477775.2	3656108.1	50.7	5.00	4.65	2.33 YES
L0000048	0	0.46729E-02	477784.8	3656105.2	50.6	5.00	4.65	2.33 YES
L0000049	0	0.46729E-02	477794.3	3656102.2	50.9	5.00	4.65	2.33 YES
L0000050	0	0.46729E-02	477803.9	3656099.2	51.0	5.00	4.65	2.33 YES
L0000051	0	0.46729E-02	477813.4	3656096.3	51.2	5.00	4.65	2.33 YES
L0000052	0	0.46729E-02	477823.0	3656093.3	50.8	5.00	4.65	2.33 YES
L0000053	0	0.46729E-02	477832.5	3656090.4	49.9	5.00	4.65	2.33 YES
L0000054	0	0.46729E-02	477839.3	3656092.6	50.3	5.00	4.65	2.33 YES
L0000055	0	0.46729E-02	477842.0	3656102.2	52.3	5.00	4.65	2.33 YES
L0000056	0	0.46729E-02	477844.7	3656111.9	52.9	5.00	4.65	2.33 YES
L0000057	0	0.46729E-02	477847.4	3656121.5	53.1	5.00	4.65	2.33 YES
L0000058	0	0.46729E-02	477850.2	3656131.1	52.4	5.00	4.65	2.33 YES
L0000059	0	0.46729E-02	477852.9	3656140.7	52.3	5.00	4.65	2.33 YES
L0000060	0	0.46729E-02	477855.6	3656150.4	52.7	5.00	4.65	2.33 YES
L0000061	0	0.46729E-02	477858.4	3656160.0	53.1	5.00	4.65	2.33 YES
L0000062	0	0.46729E-02	477861.1	3656169.6	53.3	5.00	4.65	2.33 YES
L0000063	0	0.46729E-02	477863.8	3656179.2	53.6	5.00	4.65	2.33 YES
L0000064	0	0.46729E-02	477855.9	3656182.9	54.2	5.00	4.65	2.33 YES
L0000065	0	0.46729E-02	477846.3	3656185.6	55.7	5.00	4.65	2.33 YES
L0000066	0	0.46729E-02	477836.6	3656188.4	56.8	5.00	4.65	2.33 YES
L0000067	0	0.46729E-02	477827.0	3656191.2	57.5	5.00	4.65	2.33 YES
L0000068	0	0.46729E-02	477817.4	3656193.9	58.4	5.00	4.65	2.33 YES
L0000069	0	0.46729E-02	477807.8	3656196.7	59.6	5.00	4.65	2.33 YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000070	0	0.46729E-02	477798.2	3656199.4	60.6	5.00	4.65	2.33	YES	
L0000071	0	0.46729E-02	477788.6	3656202.2	61.3	5.00	4.65	2.33	YES	
L0000072	0	0.46729E-02	477779.0	3656204.9	62.4	5.00	4.65	2.33	YES	
L0000073	0	0.46729E-02	477769.4	3656207.7	63.1	5.00	4.65	2.33	YES	
L0000074	0	0.46729E-02	477759.7	3656210.4	63.8	5.00	4.65	2.33	YES	
L0000075	0	0.46729E-02	477750.1	3656213.2	64.5	5.00	4.65	2.33	YES	
L0000076	0	0.46729E-02	477740.5	3656215.9	65.1	5.00	4.65	2.33	YES	
L0000077	0	0.46729E-02	477734.6	3656212.2	64.7	5.00	4.65	2.33	YES	
L0000078	0	0.46729E-02	477732.1	3656202.5	63.9	5.00	4.65	2.33	YES	
L0000079	0	0.46729E-02	477729.5	3656192.9	62.5	5.00	4.65	2.33	YES	
L0000080	0	0.46729E-02	477727.0	3656183.2	61.6	5.00	4.65	2.33	YES	
L0000081	0	0.46729E-02	477731.6	3656177.5	60.4	5.00	4.65	2.33	YES	
L0000082	0	0.46729E-02	477741.2	3656174.6	58.8	5.00	4.65	2.33	YES	
L0000083	0	0.46729E-02	477750.7	3656171.6	58.3	5.00	4.65	2.33	YES	
L0000084	0	0.46729E-02	477760.3	3656168.7	57.9	5.00	4.65	2.33	YES	

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 L0000085         0   0.46729E-02  477769.9 3656165.8    59.8     5.00     4.65
2.33     YES
 L0000086         0   0.46729E-02  477778.1 3656162.8    62.3     5.00     4.65
2.33     YES
 L0000087         0   0.46729E-02  477775.1 3656153.3    58.4     5.00     4.65
2.33     YES
 L0000088         0   0.46729E-02  477772.0 3656143.8    55.3     5.00     4.65
2.33     YES
 L0000089         0   0.46729E-02  477769.0 3656134.3    55.3     5.00     4.65
2.33     YES
 L0000090         0   0.46729E-02  477765.9 3656124.7    54.0     5.00     4.65
2.33     YES
 L0000091         0   0.46729E-02  477767.6 3656117.7    52.5     5.00     4.65
2.33     YES
 L0000092         0   0.46729E-02  477777.2 3656114.9    51.3     5.00     4.65
2.33     YES
 L0000093         0   0.46729E-02  477786.8 3656112.1    52.4     5.00     4.65
2.33     YES
 L0000094         0   0.46729E-02  477796.4 3656109.3    53.6     5.00     4.65
2.33     YES
 L0000095         0   0.46729E-02  477806.0 3656106.5    53.7     5.00     4.65
2.33     YES
 L0000096         0   0.46729E-02  477815.6 3656103.7    53.2     5.00     4.65
2.33     YES
 L0000097         0   0.46729E-02  477825.2 3656100.9    53.0     5.00     4.65
2.33     YES
 L0000098         0   0.46729E-02  477833.5 3656100.3    53.1     5.00     4.65
2.33     YES
 L0000099         0   0.46729E-02  477835.9 3656110.0    52.7     5.00     4.65
2.33     YES
 L0000100         0   0.46729E-02  477838.3 3656119.7    54.2     5.00     4.65
2.33     YES
 L0000101         0   0.46729E-02  477840.8 3656129.4    54.1     5.00     4.65
2.33     YES
 L0000102         0   0.46729E-02  477843.2 3656139.1    53.6     5.00     4.65
2.33     YES
 L0000103         0   0.46729E-02  477845.7 3656148.8    53.4     5.00     4.65
2.33     YES
 L0000104         0   0.46729E-02  477848.1 3656158.5    54.0     5.00     4.65
2.33     YES
 L0000105         0   0.46729E-02  477850.5 3656168.2    54.4     5.00     4.65
2.33     YES
 L0000106         0   0.46729E-02  477851.1 3656176.8    54.6     5.00     4.65
2.33     YES
 L0000107         0   0.46729E-02  477841.5 3656179.6    55.8     5.00     4.65
2.33     YES
 L0000108         0   0.46729E-02  477831.9 3656182.4    56.8     5.00     4.65
2.33     YES
 L0000109         0   0.46729E-02  477822.2 3656185.1    57.7     5.00     4.65
2.33     YES
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	URBAN SOURCE	EMISSION RATE VARY BY
L0000110	0	0.46729E-02	477812.6	3656187.9	58.8	5.00	4.65	2.33	YES	
L0000111	0	0.46729E-02	477803.0	3656190.7	59.8	5.00	4.65	2.33	YES	
L0000112	0	0.46729E-02	477793.4	3656193.4	60.7	5.00	4.65	2.33	YES	
L0000113	0	0.46729E-02	477783.8	3656196.2	61.5	5.00	4.65	2.33	YES	
L0000114	0	0.46729E-02	477774.2	3656199.0	62.4	5.00	4.65	2.33	YES	
L0000115	0	0.46729E-02	477764.6	3656201.8	63.0	5.00	4.65	2.33	YES	
L0000116	0	0.46729E-02	477755.0	3656204.5	63.8	5.00	4.65	2.33	YES	
L0000117	0	0.46729E-02	477745.4	3656207.3	64.1	5.00	4.65	2.33	YES	
L0000118	0	0.46729E-02	477740.1	3656202.8	63.6	5.00	4.65	2.33	YES	
L0000119	0	0.46729E-02	477737.9	3656193.1	61.7	5.00	4.65	2.33	YES	
L0000120	0	0.46729E-02	477738.0	3656184.6	60.4	5.00	4.65	2.33	YES	
L0000121	0	0.46729E-02	477747.6	3656181.7	59.7	5.00	4.65	2.33	YES	
L0000122	0	0.46729E-02	477757.2	3656178.8	59.9	5.00	4.65	2.33	YES	
L0000123	0	0.46729E-02	477766.7	3656175.9	60.2	5.00	4.65	2.33	YES	
L0000124	0	0.46729E-02	477776.3	3656173.0	62.2	5.00	4.65	2.33	YES	

```
 L0000125         0   0.46729E-02  477785.9 3656170.1    63.8     5.00     4.65
2.33     YES
 L0000126         0   0.46729E-02  477788.7 3656163.8    64.3     5.00     4.65
2.33     YES
 L0000127         0   0.46729E-02  477785.5 3656154.3    62.4     5.00     4.65
2.33     YES
 L0000128         0   0.46729E-02  477782.3 3656144.8    59.1     5.00     4.65
2.33     YES
 L0000129         0   0.46729E-02  477779.1 3656135.3    55.4     5.00     4.65
2.33     YES
 L0000130         0   0.46729E-02  477775.9 3656125.9    53.1     5.00     4.65
2.33     YES
 L0000131         0   0.46729E-02  477781.2 3656121.0    53.3     5.00     4.65
2.33     YES
 L0000132         0   0.46729E-02  477790.9 3656118.5    55.1     5.00     4.65
2.33     YES
 L0000133         0   0.46729E-02  477800.6 3656116.0    56.1     5.00     4.65
2.33     YES
 L0000134         0   0.46729E-02  477810.3 3656113.4    55.8     5.00     4.65
2.33     YES
 L0000135         0   0.46729E-02  477819.9 3656110.9    53.3     5.00     4.65
2.33     YES
 L0000136         0   0.46729E-02  477827.5 3656111.9    53.3     5.00     4.65
2.33     YES
 L0000137         0   0.46729E-02  477829.9 3656121.6    55.0     5.00     4.65
2.33     YES
 L0000138         0   0.46729E-02  477832.3 3656131.3    55.8     5.00     4.65
2.33     YES
 L0000139         0   0.46729E-02  477834.8 3656141.0    55.2     5.00     4.65
2.33     YES
 L0000140         0   0.46729E-02  477837.2 3656150.8    54.4     5.00     4.65
2.33     YES
 L0000141         0   0.46729E-02  477839.6 3656160.5    54.8     5.00     4.65
2.33     YES
 L0000142         0   0.46729E-02  477842.0 3656170.2    55.3     5.00     4.65
2.33     YES
 L0000143         0   0.46729E-02  477834.2 3656174.0    56.3     5.00     4.65
2.33     YES
 L0000144         0   0.46729E-02  477824.6 3656176.9    57.2     5.00     4.65
2.33     YES
 L0000145         0   0.46729E-02  477815.0 3656179.8    58.5     5.00     4.65
2.33     YES
 L0000146         0   0.46729E-02  477805.5 3656182.7    59.3     5.00     4.65
2.33     YES
 L0000147         0   0.46729E-02  477795.9 3656185.6    61.6     5.00     4.65
2.33     YES
 L0000148         0   0.46729E-02  477786.3 3656188.5    61.8     5.00     4.65
2.33     YES
 L0000149         0   0.46729E-02  477776.8 3656191.4    61.9     5.00     4.65
2.33     YES
```

                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE   BASE   RELEASE   INIT.
INIT.   URBAN EMISSION RATE
   SOURCE   PART. (GRAMS/SEC)   X   Y   ELEV.   HEIGHT   SY
SZ   SOURCE SCALAR VARY
     ID   CATS.   (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)   BY
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- - - - - - - - - - - - - - - - - - - -

L0000165	0	0.46729E-02	477796.5	3656124.0	58.1	5.00	4.65	2.33 YES
L0000166	0	0.46729E-02	477806.1	3656121.2	57.8	5.00	4.65	2.33 YES
L0000167	0	0.46729E-02	477815.7	3656118.4	56.4	5.00	4.65	2.33 YES
L0000168	0	0.46729E-02	477821.0	3656123.0	56.3	5.00	4.65	2.33 YES
L0000169	0	0.46729E-02	477823.3	3656132.7	57.4	5.00	4.65	2.33 YES
L0000170	0	0.46729E-02	477825.6	3656142.4	57.5	5.00	4.65	2.33 YES
L0000171	0	0.46729E-02	477827.9	3656152.1	56.7	5.00	4.65	2.33 YES
L0000172	0	0.46729E-02	477830.3	3656161.9	55.6	5.00	4.65	2.33 YES
L0000173	0	0.46729E-02	477833.1	3656171.4	56.2	5.00	4.65	2.33 YES
L0000174	0	0.46729E-02	477823.6	3656174.3	57.2	5.00	4.65	2.33 YES
L0000175	0	0.46729E-02	477814.0	3656177.1	58.9	5.00	4.65	2.33 YES
L0000176	0	0.46729E-02	477804.4	3656179.9	60.0	5.00	4.65	2.33 YES
L0000177	0	0.46729E-02	477794.8	3656182.7	62.4	5.00	4.65	2.33 YES
L0000178	0	0.46729E-02	477785.2	3656185.5	62.2	5.00	4.65	2.33 YES
L0000179	0	0.46729E-02	477775.6	3656188.2	61.7	5.00	4.65	2.33 YES
L0000180	0	0.46729E-02	477766.0	3656191.0	61.8	5.00	4.65	2.33 YES
L0000181	0	0.46729E-02	477756.4	3656193.8	62.4	5.00	4.65	2.33 YES
L0000182	0	0.46729E-02	477752.6	3656191.5	62.0	5.00	4.65	2.33 YES
L0000183	0	0.46729E-02	477762.3	3656188.7	61.8	5.00	4.65	2.33 YES
L0000184	0	0.46729E-02	477771.9	3656186.0	61.3	5.00	4.65	2.33 YES
L0000185	0	0.46729E-02	477781.5	3656183.2	62.0	5.00	4.65	2.33 YES
L0000186	0	0.46729E-02	477791.1	3656180.4	62.8	5.00	4.65	2.33 YES
L0000187	0	0.46729E-02	477800.7	3656177.7	61.4	5.00	4.65	2.33 YES
L0000188	0	0.46729E-02	477808.2	3656173.8	60.5	5.00	4.65	2.33 YES
L0000189	0	0.46729E-02	477804.9	3656164.4	63.1	5.00	4.65	2.33 YES

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 L0000190         0   0.46729E-02  477801.6 3656154.9    63.7     5.00     4.65
2.33     YES
 L0000191         0   0.46729E-02  477798.4 3656145.5    63.8     5.00     4.65
2.33     YES
 L0000192         0   0.46729E-02  477795.1 3656136.0    62.4     5.00     4.65
2.33     YES
 L0000193         0   0.46729E-02  477797.5 3656129.6    60.9     5.00     4.65
2.33     YES
 L0000194         0   0.46729E-02  477807.2 3656127.2    60.3     5.00     4.65
2.33     YES
 L0000195         0   0.46729E-02  477816.2 3656125.9    58.1     5.00     4.65
2.33     YES
 L0000196         0   0.46729E-02  477818.3 3656135.7    59.0     5.00     4.65
2.33     YES
 L0000197         0   0.46729E-02  477820.4 3656145.4    59.3     5.00     4.65
2.33     YES
 L0000198         0   0.46729E-02  477822.6 3656155.2    58.7     5.00     4.65
2.33     YES
 L0000199         0   0.46729E-02  477824.7 3656165.0    57.1     5.00     4.65
2.33     YES
 L0000200         0   0.46729E-02  477821.5 3656171.6    57.4     5.00     4.65
2.33     YES
↟ *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE   7
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                    *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.
INIT.   URBAN  EMISSION RATE
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY
SZ     SOURCE  SCALAR VARY
     ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)             BY
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -

 L0000201         0   0.46729E-02  477811.9 3656174.4    59.7     5.00     4.65
2.33     YES
 L0000202         0   0.46729E-02  477808.6 3656166.0    61.9     5.00     4.65
2.33     YES
 L0000203         0   0.46729E-02  477806.0 3656156.3    63.1     5.00     4.65
2.33     YES
 L0000204         0   0.46729E-02  477803.5 3656146.6    63.2     5.00     4.65
2.33     YES
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 L0000205         0   0.46729E-02  477800.9 3656137.0    63.0     5.00     4.65
2.33     YES
 L0000206         0   0.46729E-02  477807.5 3656132.4    62.0     5.00     4.65
2.33     YES
 L0000207         0   0.46729E-02  477813.0 3656136.7    61.0     5.00     4.65
2.33     YES
 L0000208         0   0.46729E-02  477815.3 3656146.5    61.0     5.00     4.65
2.33     YES
 L0000209         0   0.46729E-02  477817.7 3656156.2    60.3     5.00     4.65
2.33     YES
 L0000210         0   0.46729E-02  477820.1 3656165.9    58.2     5.00     4.65
2.33     YES
 L0000211         0   0.46729E-02  477813.6 3656168.9    60.0     5.00     4.65
2.33     YES
 L0000212         0   0.46729E-02  477811.5 3656159.2    62.2     5.00     4.65
2.33     YES
 L0000213         0   0.46729E-02  477809.3 3656149.4    62.5     5.00     4.65
2.33     YES
 L0000214         0   0.46729E-02  477807.2 3656139.6    62.5     5.00     4.65
2.33     YES
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        L0000001    , L0000002    , L0000003    , L0000004    , L0000005    ,
L0000006    , L0000007    , L0000008    ,

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L0000014    , L0000015    , L0000016    ,

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L0000022    , L0000023    , L0000024    ,

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 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***       20:07:49

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*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 , L0000167 , L0000168 ,
	L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 , L0000175 , L0000176 ,
	L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 , L0000183 , L0000184 ,
	L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 , L0000191 , L0000192 ,
	L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 , L0000199 , L0000200 ,
	L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 , L0000207 , L0000208 ,
	L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 ,

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs
	3287306.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,
		L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,

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L0000110    , L0000111    , L0000112    ,

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L0000126    , L0000127    , L0000128    ,

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L0000134    , L0000135    , L0000136    ,

             L0000137    , L0000138    , L0000139    , L0000140    , L0000141    ,
L0000142    , L0000143    , L0000144    ,
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                                          *** SOURCE IDs DEFINED AS URBAN SOURCES
***

  URBAN ID   URBAN POP   SOURCE IDs
  --------   ---------   ----------

             L0000161   , L0000162   , L0000163   , L0000164   , L0000165   ,
L0000166   , L0000167   , L0000168   ,

             L0000169   , L0000170   , L0000171   , L0000172   , L0000173   ,
L0000174   , L0000175   , L0000176   ,

             L0000177   , L0000178   , L0000179   , L0000180   , L0000181   ,
L0000182   , L0000183   , L0000184   ,

             L0000185   , L0000186   , L0000187   , L0000188   , L0000189   ,
L0000190   , L0000191   , L0000192   ,

             L0000193   , L0000194   , L0000195   , L0000196   , L0000197   ,
L0000198   , L0000199   , L0000200   ,

             L0000201   , L0000202   , L0000203   , L0000204   , L0000205   ,
L0000206   , L0000207   , L0000208   ,

             L0000209   , L0000210   , L0000211   , L0000212   , L0000213   ,
L0000214   ,

                                             *** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(477841.4, 3656223.1, 58.1, 101.8, 0.0); (477884.1, 3656215.5, 53.8, 101.8, 0.0);
(477799.2, 3656239.3, 64.5, 101.8, 0.0); (477767.8, 3656252.2, 67.7, 101.8, 0.0);
(477881.3, 3656161.0, 51.0, 101.8, 0.0); (477928.7, 3656143.0, 47.4, 101.8, 0.0);
(477877.6, 3656112.6, 48.3, 101.8, 0.0); (477859.2, 3656047.8, 44.6, 101.8, 0.0);
(477843.2, 3656065.2, 45.2, 101.8, 0.0); (477822.8, 3656055.8, 44.3, 101.8, 0.0);
(477769.7, 3656067.2, 48.8, 101.8, 0.0); (477723.9, 3656083.2, 53.5, 101.8, 0.0);
(477686.8, 3656091.9, 59.4, 101.8, 0.0); (477657.5, 3656112.9, 63.1, 101.8, 0.0);
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(477941.0, 3656208.1, 48.6, 101.8, 0.0); (477968.5, 3656121.7, 42.2, 101.8, 0.0);
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(477732.0, 3656324.5, 75.3, 101.8, 0.0); (477771.2, 3656319.9, 70.2, 101.8, 0.0);
(477799.3, 3656302.3, 65.6, 101.8, 0.0); (477848.0, 3656278.8, 60.4, 101.8, 0.0);
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(477646.7, 3656291.6, 91.9, 101.8, 0.0); (477595.9, 3656279.2, 97.1, 98.8, 0.0);
(477601.7, 3656295.7, 98.5, 98.5, 0.0); (477613.1, 3656310.2, 98.7, 98.7, 0.0);
(477616.8, 3656345.2, 99.4, 99.4, 0.0); (477618.0, 3656360.6, 100.3, 100.3, 0.0);
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     ( 477571.0, 3655927.2,      56.9,     101.1,       0.0);         ( 477586.3,
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3656261.0,      95.6,      98.4,       0.0);
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3656350.3,      99.0,      99.0,       0.0);
     ( 477800.3, 3656428.1,      67.9,     101.8,       0.0);         ( 477875.9,
3656385.2,      61.4,     101.8,       0.0);
     ( 477831.0, 3656391.6,      64.4,     101.8,       0.0);         ( 477898.3,
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     ( 477933.5, 3656357.1,      53.3,     101.8,       0.0);         ( 477932.2,
3656435.2,      51.9,     101.8,       0.0);
     ( 478012.9, 3656438.4,      44.4,     101.8,       0.0);         ( 477838.1,
3656479.3,      63.7,     101.8,       0.0);
     ( 477877.1, 3656481.3,      58.7,     101.8,       0.0);         ( 477858.6,
3656540.2,      63.1,     101.8,       0.0);
     ( 477797.1, 3656557.5,      68.4,     101.8,       0.0);         ( 477980.9,
3656506.2,      48.3,     101.8,       0.0);
     ( 478021.8, 3656533.1,      45.1,     102.0,       0.0);         ( 478071.8,
3656518.4,      41.2,     101.8,       0.0);
     ( 478101.2, 3656514.6,      40.4,     101.8,       0.0);         ( 478071.1,
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     ( 478062.2, 3656435.8,      40.2,     101.8,       0.0);         ( 478019.9,
3656485.1,      44.3,     101.8,       0.0);
     ( 477516.5, 3656525.0,      97.4,      97.4,       0.0);         ( 477145.8,
3655768.7,      72.7,     101.0,       0.0);
     ( 477163.4, 3655768.7,      69.6,     101.0,       0.0);         ( 477181.1,
3655768.7,      69.1,     101.0,       0.0);
     ( 477198.8, 3655768.7,      68.8,     101.0,       0.0);         ( 477216.5,
3655768.7,      69.3,      98.8,       0.0);
     ( 477357.8, 3655768.7,      54.8,     100.5,       0.0);         ( 477393.1,
3655768.7,      54.9,      97.6,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(477410.8, 3655768.7, 54.3, 97.6, 0.0); (477428.5, 3655768.7, 47.7, 100.5, 0.0);
(477145.8, 3655796.4, 72.3, 101.0, 0.0); (477163.4, 3655796.4, 70.0, 101.0, 0.0);
(477181.1, 3655796.4, 69.3, 101.0, 0.0); (477198.8, 3655796.4, 69.2, 101.0, 0.0);
(477216.5, 3655796.4, 69.5, 98.8, 0.0); (477340.1, 3655796.4, 56.0, 100.5, 0.0);
(477393.1, 3655796.4, 56.6, 97.6, 0.0); (477410.8, 3655796.4, 55.4, 97.6, 0.0);
(477428.5, 3655796.4, 53.1, 97.6, 0.0); (477145.8, 3655824.2, 71.0, 101.1, 0.0);
(477163.4, 3655824.2, 70.1, 101.0, 0.0); (477181.1, 3655824.2, 69.6, 101.0, 0.0);
(477198.8, 3655824.2, 69.5, 100.4, 0.0); (477216.5, 3655824.2, 69.8, 98.8, 0.0);
(477304.8, 3655824.2, 59.2, 100.3, 0.0); (477322.5, 3655824.2, 58.3, 99.0, 0.0);
(477393.1, 3655824.2, 57.3, 97.6, 0.0); (477410.8, 3655824.2, 57.6, 97.5, 0.0);
(477428.5, 3655824.2, 57.4, 93.2, 0.0); (477145.8, 3655852.0, 71.1, 101.1, 0.0);
(477163.4, 3655852.0, 70.1, 101.0, 0.0); (477181.1, 3655852.0, 69.8, 101.0, 0.0);
(477198.8, 3655852.0, 70.2, 99.0, 0.0); (477287.1, 3655852.0, 62.1, 99.0, 0.0);
(477304.8, 3655852.0, 61.0, 98.8, 0.0); (477340.1, 3655852.0, 59.0, 97.6, 0.0);
(477357.8, 3655852.0, 58.6, 97.6, 0.0); (477375.5, 3655852.0, 58.0, 97.6, 0.0);
(477428.5, 3655852.0, 57.9, 94.8, 0.0); (477145.8, 3655879.8, 71.1, 101.1, 0.0);
(477163.4, 3655879.8, 70.7, 100.8, 0.0); (477181.1, 3655879.8, 70.8, 99.3, 0.0);
(477269.5, 3655879.8, 64.9, 98.8, 0.0); (477322.5, 3655879.8, 62.1, 97.6, 0.0);
(477340.1, 3655879.8, 61.9, 97.6, 0.0); (477357.8, 3655879.8, 60.4, 97.6, 0.0);
(477375.5, 3655879.8, 58.0, 97.6, 0.0); (477393.1, 3655879.8, 58.1, 97.6, 0.0);
(477428.5, 3655879.8, 58.0, 97.5, 0.0); (477446.2, 3655879.8, 58.7, 97.5, 0.0);
(477463.8, 3655879.8, 56.0, 98.8, 0.0); (477481.5, 3655879.8, 54.3, 98.8, 0.0);
(477499.2, 3655879.8, 53.2, 99.1, 0.0); (477145.8,

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3655907.6,      71.8,     100.7,       0.0);
     ( 477163.4, 3655907.6,      71.5,      99.6,       0.0);         ( 477181.1,
3655907.6,      71.0,      99.3,       0.0);
     ( 477251.8, 3655907.6,      67.9,      97.6,       0.0);         ( 477304.8,
3655907.6,      65.0,      97.6,       0.0);
     ( 477322.5, 3655907.6,      64.3,      97.6,       0.0);         ( 477340.1,
3655907.6,      65.4,      91.0,       0.0);
     ( 477357.8, 3655907.6,      66.3,      91.0,       0.0);         ( 477375.5,
3655907.6,      61.3,      94.8,       0.0);
     ( 477393.1, 3655907.6,      58.7,      98.2,       0.0);         ( 477428.5,
3655907.6,      58.8,      98.7,       0.0);
     ( 477446.2, 3655907.6,      59.3,      98.7,       0.0);         ( 477463.8,
3655907.6,      59.5,      98.7,       0.0);
     ( 477481.5, 3655907.6,      56.7,      98.8,       0.0);         ( 477499.2,
3655907.6,      54.2,     100.7,       0.0);
     ( 477234.1, 3655935.3,      70.2,      97.6,       0.0);         ( 477287.1,
3655935.3,      67.8,      88.5,       0.0);
     ( 477304.8, 3655935.3,      66.6,      91.0,       0.0);         ( 477322.5,
3655935.3,      67.8,      91.0,       0.0);
     ( 477340.1, 3655935.3,      72.7,      88.4,       0.0);         ( 477357.8,
3655935.3,      74.2,      88.4,       0.0);
     ( 477375.5, 3655935.3,      66.8,      93.2,       0.0);         ( 477393.1,
3655935.3,      60.4,      98.3,       0.0);
     ( 477410.8, 3655935.3,      60.5,      98.7,       0.0);         ( 477446.2,
3655935.3,      61.4,      98.7,       0.0);
     ( 477463.8, 3655935.3,      61.9,      98.8,       0.0);         ( 477481.5,
3655935.3,      59.3,      98.8,       0.0);
     ( 477499.2, 3655935.3,      56.7,     100.7,       0.0);         ( 477216.5,
3655963.1,      72.2,      97.5,       0.0);
     ( 477269.5, 3655963.1,      69.9,      88.5,       0.0);         ( 477287.1,
3655963.1,      69.4,      91.0,       0.0);
     ( 477304.8, 3655963.1,      72.4,      88.5,       0.0);         ( 477322.5,
3655963.1,      75.1,      88.4,       0.0);
     ( 477340.1, 3655963.1,      74.4,      88.5,       0.0);         ( 477357.8,
3655963.1,      75.4,      88.4,       0.0);
     ( 477375.5, 3655963.1,      71.0,      91.0,       0.0);         ( 477393.1,
3655963.1,      63.8,      98.2,       0.0);
     ( 477410.8, 3655963.1,      62.5,      98.7,       0.0);         ( 477463.8,
3655963.1,      63.4,      98.8,       0.0);
     ( 477481.5, 3655963.1,      64.1,      98.8,       0.0);         ( 477499.2,
3655963.1,      59.2,     100.7,       0.0);
     ( 477251.8, 3655990.9,      72.6,      88.4,       0.0);         ( 477269.5,
3655990.9,      71.6,      88.5,       0.0);
     ( 477287.1, 3655990.9,      74.8,      88.4,       0.0);         ( 477304.8,
3655990.9,      79.6,      83.2,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(477322.5, 3655990.9, 81.5, 83.2, 0.0); (477340.1, 3655990.9, 81.7, 83.4, 0.0);
(477357.8, 3655990.9, 81.8, 83.4, 0.0); (477375.5, 3655990.9, 74.3, 91.0, 0.0);
(477393.1, 3655990.9, 68.6, 94.8, 0.0); (477410.8, 3655990.9, 63.8, 98.8, 0.0);
(477428.5, 3655990.9, 64.6, 98.8, 0.0); (477481.5, 3655990.9, 66.0, 98.8, 0.0);
(477499.2, 3655990.9, 62.7, 100.5, 0.0); (477269.5, 3656018.7, 78.5, 88.3, 0.0);
(477287.1, 3656018.7, 82.1, 82.1, 0.0); (477304.8, 3656018.7, 82.9, 82.9, 0.0);
(477322.5, 3656018.7, 82.9, 82.9, 0.0); (477340.1, 3656018.7, 83.2, 83.2, 0.0);
(477357.8, 3656018.7, 83.2, 83.2, 0.0); (477375.5, 3656018.7, 82.4, 88.4, 0.0);
(477393.1, 3656018.7, 76.9, 91.0, 0.0); (477410.8, 3656018.7, 70.4, 96.0, 0.0);
(477428.5, 3656018.7, 71.6, 95.0, 0.0); (477481.5, 3656018.7, 68.0, 98.8, 0.0);
(477499.2, 3656018.7, 67.8, 98.8, 0.0); (477145.8, 3656046.5, 80.5, 81.5, 0.0);
(477163.4, 3656046.5, 81.3, 81.3, 0.0); (477181.1, 3656046.5, 81.3, 81.3, 0.0);
(477198.8, 3656046.5, 81.2, 81.2, 0.0); (477216.5, 3656046.5, 81.1, 81.1, 0.0);
(477269.5, 3656046.5, 81.5, 81.5, 0.0); (477287.1, 3656046.5, 81.7, 81.7, 0.0);
(477304.8, 3656046.5, 81.8, 88.3, 0.0); (477322.5, 3656046.5, 82.1, 88.4, 0.0);
(477340.1, 3656046.5, 82.8, 88.4, 0.0); (477357.8, 3656046.5, 83.2, 88.4, 0.0);
(477375.5, 3656046.5, 83.3, 88.5, 0.0); (477393.1, 3656046.5, 78.0, 93.2, 0.0);
(477410.8, 3656046.5, 75.9, 94.8, 0.0); (477428.5, 3656046.5, 72.3, 98.2, 0.0);
(477446.2, 3656046.5, 70.2, 98.8, 0.0); (477499.2, 3656046.5, 70.1, 98.8, 0.0);
(477145.8, 3656074.2, 81.5, 81.5, 0.0); (477163.4, 3656074.2, 80.9, 80.9, 0.0);
(477181.1, 3656074.2, 80.6, 80.6, 0.0); (477198.8, 3656074.2, 80.6, 80.6, 0.0);
(477216.5, 3656074.2, 81.2, 81.2, 0.0); (477234.1,

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3656074.2,      81.2,      81.6,       0.0);
     ( 477287.1, 3656074.2,      80.8,      88.4,       0.0);         ( 477304.8,
3656074.2,      81.8,      88.4,       0.0);
     ( 477322.5, 3656074.2,      82.5,      88.4,       0.0);         ( 477340.1,
3656074.2,      84.4,      88.4,       0.0);
     ( 477357.8, 3656074.2,      87.1,      88.3,       0.0);         ( 477375.5,
3656074.2,      88.3,      88.3,       0.0);
     ( 477393.1, 3656074.2,      85.3,      88.5,       0.0);         ( 477410.8,
3656074.2,      77.8,      94.8,       0.0);
     ( 477428.5, 3656074.2,      76.9,      94.8,       0.0);         ( 477446.2,
3656074.2,      74.1,      98.7,       0.0);
     ( 477463.8, 3656074.2,      70.3,      99.1,       0.0);         ( 477481.5,
3656074.2,      70.5,      99.1,       0.0);
     ( 477499.2, 3656074.2,      70.7,      99.1,       0.0);         ( 477145.8,
3656102.0,      80.8,      80.8,       0.0);
     ( 477163.4, 3656102.0,      80.7,      80.7,       0.0);         ( 477181.1,
3656102.0,      81.4,      81.4,       0.0);
     ( 477198.8, 3656102.0,      81.5,      81.5,       0.0);         ( 477216.5,
3656102.0,      82.0,      82.0,       0.0);
     ( 477234.1, 3656102.0,      82.2,      82.2,       0.0);         ( 477287.1,
3656102.0,      81.2,      88.4,       0.0);
     ( 477304.8, 3656102.0,      81.6,      88.4,       0.0);         ( 477322.5,
3656102.0,      86.6,      88.3,       0.0);
     ( 477340.1, 3656102.0,      88.1,      88.1,       0.0);         ( 477357.8,
3656102.0,      88.2,      88.2,       0.0);
     ( 477375.5, 3656102.0,      88.3,      88.3,       0.0);         ( 477393.1,
3656102.0,      88.1,      88.1,       0.0);
     ( 477410.8, 3656102.0,      83.8,      91.1,       0.0);         ( 477428.5,
3656102.0,      87.5,      91.0,       0.0);
     ( 477446.2, 3656102.0,      78.5,      98.2,       0.0);         ( 477463.8,
3656102.0,      71.8,      99.1,       0.0);
     ( 477481.5, 3656102.0,      73.3,      99.1,       0.0);         ( 477499.2,
3656102.0,      74.3,      99.1,       0.0);
     ( 477145.8, 3656129.8,      81.4,      81.4,       0.0);         ( 477163.4,
3656129.8,      81.7,      81.7,       0.0);
     ( 477181.1, 3656129.8,      81.8,      81.8,       0.0);         ( 477198.8,
3656129.8,      81.3,      81.3,       0.0);
     ( 477216.5, 3656129.8,      81.5,      85.4,       0.0);         ( 477234.1,
3656129.8,      82.3,      82.3,       0.0);
     ( 477251.8, 3656129.8,      82.7,      85.2,       0.0);         ( 477375.5,
3656129.8,      87.9,      87.9,       0.0);
     ( 477393.1, 3656129.8,      88.3,      91.0,       0.0);         ( 477410.8,
3656129.8,      90.5,      91.0,       0.0);
     ( 477428.5, 3656129.8,      84.3,      94.8,       0.0);         ( 477446.2,
3656129.8,      82.1,      94.8,       0.0);
     ( 477463.8, 3656129.8,      78.1,      98.8,       0.0);         ( 477481.5,
3656129.8,      83.3,      96.0,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(477499.2, 3656129.8, 82.7, 98.2, 0.0); (477145.8, 3656157.6, 81.9, 83.2, 0.0);
(477163.4, 3656157.6, 83.5, 83.5, 0.0); (477181.1, 3656157.6, 83.0, 84.1, 0.0);
(477198.8, 3656157.6, 82.4, 86.2, 0.0); (477216.5, 3656157.6, 82.6, 86.4, 0.0);
(477234.1, 3656157.6, 83.8, 85.5, 0.0); (477251.8, 3656157.6, 85.1, 85.1, 0.0);
(477357.8, 3656157.6, 88.1, 91.0, 0.0); (477375.5, 3656157.6, 88.8, 91.1, 0.0);
(477393.1, 3656157.6, 90.7, 90.7, 0.0); (477410.8, 3656157.6, 91.0, 91.0, 0.0);
(477428.5, 3656157.6, 90.5, 90.5, 0.0); (477446.2, 3656157.6, 90.3, 90.3, 0.0);
(477463.8, 3656157.6, 89.0, 93.5, 0.0); (477481.5, 3656157.6, 90.6, 93.3, 0.0);
(477499.2, 3656157.6, 93.0, 93.0, 0.0); (477163.4, 3656185.4, 84.1, 84.2, 0.0);
(477181.1, 3656185.4, 84.1, 84.1, 0.0); (477198.8, 3656185.4, 84.8, 84.8, 0.0);
(477216.5, 3656185.4, 85.9, 85.9, 0.0); (477234.1, 3656185.4, 86.2, 86.2, 0.0);
(477251.8, 3656185.4, 86.1, 86.1, 0.0); (477269.5, 3656185.4, 86.0, 86.0, 0.0);
(477446.2, 3656185.4, 90.7, 94.8, 0.0); (477463.8, 3656185.4, 90.9, 94.8, 0.0);
(477481.5, 3656185.4, 92.8, 93.3, 0.0); (477499.2, 3656185.4, 93.1, 93.1, 0.0);
(477145.8, 3656213.1, 84.0, 84.0, 0.0); (477198.8, 3656213.1, 85.3, 85.3, 0.0);
(477216.5, 3656213.1, 86.4, 86.4, 0.0); (477234.1, 3656213.1, 86.7, 87.5, 0.0);
(477251.8, 3656213.1, 87.2, 87.2, 0.0); (477269.5, 3656213.1, 87.2, 87.2, 0.0);
(477410.8, 3656213.1, 91.5, 91.5, 0.0); (477428.5, 3656213.1, 91.4, 94.2, 0.0);
(477446.2, 3656213.1, 91.8, 94.8, 0.0); (477463.8, 3656213.1, 93.7, 94.4, 0.0);
(477481.5, 3656213.1, 94.6, 94.8, 0.0); (477499.2, 3656213.1, 93.8, 93.8, 0.0);
(477145.8, 3656240.9, 84.2, 85.5, 0.0); (477163.4,

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3656240.9,      85.2,      85.2,       0.0);
     ( 477181.1, 3656240.9,      85.9,      85.9,       0.0);         ( 477234.1,
3656240.9,      87.5,      87.5,       0.0);
     ( 477251.8, 3656240.9,      88.1,      88.1,       0.0);         ( 477269.5,
3656240.9,      88.6,      88.6,       0.0);
     ( 477287.1, 3656240.9,      88.3,      88.3,       0.0);         ( 477304.8,
3656240.9,      88.3,      88.3,       0.0);
     ( 477446.2, 3656240.9,      93.9,      93.9,       0.0);         ( 477463.8,
3656240.9,      94.1,      94.1,       0.0);
     ( 477481.5, 3656240.9,      94.1,      94.1,       0.0);         ( 477499.2,
3656240.9,      94.4,      94.4,       0.0);
     ( 477145.8, 3656268.7,      84.5,      84.5,       0.0);         ( 477163.4,
3656268.7,      85.5,      85.5,       0.0);
     ( 477181.1, 3656268.7,      86.6,      86.6,       0.0);         ( 477198.8,
3656268.7,      87.3,      87.3,       0.0);
     ( 477216.5, 3656268.7,      87.5,      87.5,       0.0);         ( 477269.5,
3656268.7,      89.2,      89.2,       0.0);
     ( 477287.1, 3656268.7,      89.7,      89.7,       0.0);         ( 477322.5,
3656268.7,      89.0,      89.0,       0.0);
     ( 477340.1, 3656268.7,      89.1,      89.1,       0.0);         ( 477463.8,
3656268.7,      93.8,      93.8,       0.0);
     ( 477481.5, 3656268.7,      94.0,      94.0,       0.0);         ( 477499.2,
3656268.7,      94.7,      98.1,       0.0);
     ( 477163.4, 3656296.5,      85.4,      85.4,       0.0);         ( 477181.1,
3656296.5,      86.2,      86.2,       0.0);
     ( 477198.8, 3656296.5,      86.9,      89.0,       0.0);         ( 477216.5,
3656296.5,      88.6,      89.4,       0.0);
     ( 477234.1, 3656296.5,      89.4,      89.4,       0.0);         ( 477251.8,
3656296.5,      89.5,      89.5,       0.0);
     ( 477304.8, 3656296.5,      89.9,      89.9,       0.0);         ( 477322.5,
3656296.5,      89.8,      89.8,       0.0);
     ( 477340.1, 3656296.5,      90.1,      90.1,       0.0);         ( 477357.8,
3656296.5,      90.0,      90.0,       0.0);
     ( 477481.5, 3656296.5,      94.1,      98.0,       0.0);         ( 477499.2,
3656296.5,      94.6,      98.5,       0.0);
     ( 477145.8, 3656324.3,      87.5,      87.5,       0.0);         ( 477198.8,
3656324.3,      88.3,      88.3,       0.0);
     ( 477216.5, 3656324.3,      89.1,      89.1,       0.0);         ( 477234.1,
3656324.3,      89.6,      89.6,       0.0);
     ( 477251.8, 3656324.3,      89.6,      89.6,       0.0);         ( 477269.5,
3656324.3,      89.9,      89.9,       0.0);
     ( 477287.1, 3656324.3,      90.4,      90.4,       0.0);         ( 477304.8,
3656324.3,      90.3,      90.3,       0.0);
     ( 477322.5, 3656324.3,      90.7,      90.7,       0.0);         ( 477340.1,
3656324.3,      91.0,      91.0,       0.0);
     ( 477357.8, 3656324.3,      90.9,      90.9,       0.0);         ( 477375.5,
3656324.3,      90.6,      90.6,       0.0);
     ( 477481.5, 3656324.3,      94.4,      94.4,       0.0);         ( 477499.2,
3656324.3,      94.7,      98.5,       0.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(477114.7, 3655983.8, 73.7, 99.6, 0.0); (477201.6, 3656328.3, 88.6, 88.6, 0.0);
(477226.3, 3656328.3, 89.1, 89.1, 0.0); (477250.9, 3656328.3, 89.6, 89.6, 0.0);
(477275.6, 3656328.3, 90.5, 90.5, 0.0); (477300.3, 3656328.3, 90.3, 90.3, 0.0);
(477325.0, 3656328.3, 90.6, 90.6, 0.0); (477349.7, 3656328.3, 91.0, 91.0, 0.0);
(477374.3, 3656328.3, 90.8, 90.8, 0.0); (477497.7, 3656328.3, 94.7, 98.5, 0.0);
(477522.4, 3656328.3, 96.6, 98.5, 0.0); (477547.1, 3656328.3, 98.8, 98.8, 0.0);
(477621.1, 3656328.3, 99.1, 99.1, 0.0); (477645.8, 3656328.3, 95.7, 101.8, 0.0);
(477152.2, 3656345.0, 87.3, 87.3, 0.0); (477201.6, 3656345.0, 88.4, 88.4, 0.0);
(477226.3, 3656345.0, 89.1, 89.1, 0.0); (477250.9, 3656345.0, 89.6, 89.6, 0.0);
(477275.6, 3656345.0, 90.3, 90.3, 0.0); (477300.3, 3656345.0, 90.5, 90.5, 0.0);
(477325.0, 3656345.0, 90.6, 90.6, 0.0); (477349.7, 3656345.0, 91.1, 91.1, 0.0);
(477374.3, 3656345.0, 91.2, 91.2, 0.0); (477497.7, 3656345.0, 94.6, 94.6, 0.0);
(477522.4, 3656345.0, 95.5, 99.1, 0.0); (477547.1, 3656345.0, 98.8, 98.8, 0.0);
(477571.8, 3656345.0, 98.9, 98.9, 0.0); (477596.5, 3656345.0, 99.0, 99.0, 0.0);
(477621.1, 3656345.0, 99.5, 100.6, 0.0); (477645.8, 3656345.0, 100.6, 100.6, 0.0);
(477325.0, 3656361.7, 90.3, 90.3, 0.0); (477349.7, 3656361.7, 91.1, 91.1, 0.0);
(477374.3, 3656361.7, 91.6, 91.6, 0.0); (477497.7, 3656361.7, 95.5, 95.5, 0.0);
(477522.4, 3656361.7, 96.2, 99.0, 0.0); (477547.1, 3656361.7, 99.0, 99.0, 0.0);
(477571.8, 3656361.7, 99.1, 99.1, 0.0); (477596.5, 3656361.7, 98.8, 100.0, 0.0);
(477621.1, 3656361.7, 100.4, 100.4, 0.0); (477645.8,

3656361.7,   100.8,   100.8,   0.0);
     (477325.0, 3656378.4,   90.4,   90.4,   0.0);   (477349.7,
3656378.4,   90.7,   90.7,   0.0);
     (477374.3, 3656378.4,   92.0,   92.0,   0.0);   (477497.7,
3656378.4,   95.5,   95.5,   0.0);
     (477522.4, 3656378.4,   96.2,   100.0,   0.0);   (477547.1,
3656378.4,   99.1,   99.1,   0.0);
     (477596.5, 3656378.4,   98.9,   100.6,   0.0);   (477621.1,
3656378.4,   100.5,   100.5,   0.0);
     (477645.8, 3656378.4,   101.0,   101.0,   0.0);   (477152.2,
3656395.1,   87.3,   87.3,   0.0);
     (477176.9, 3656395.1,   88.1,   88.1,   0.0);   (477201.6,
3656395.1,   88.8,   88.8,   0.0);
     (477226.3, 3656395.1,   89.3,   89.3,   0.0);   (477250.9,
3656395.1,   89.6,   89.6,   0.0);
     (477275.6, 3656395.1,   90.2,   90.2,   0.0);   (477300.3,
3656395.1,   90.5,   90.5,   0.0);
     (477325.0, 3656395.1,   90.6,   90.6,   0.0);   (477349.7,
3656395.1,   90.9,   92.4,   0.0);
     (477374.3, 3656395.1,   92.2,   92.2,   0.0);   (477448.4,
3656395.1,   94.6,   94.6,   0.0);
     (477497.7, 3656395.1,   95.1,   96.8,   0.0);   (477522.4,
3656395.1,   96.7,   100.0,   0.0);
     (477547.1, 3656395.1,   98.4,   100.0,   0.0);   (477571.8,
3656395.1,   99.7,   99.7,   0.0);
     (477596.5, 3656395.1,   100.0,   100.0,   0.0);   (477621.1,
3656395.1,   100.7,   100.7,   0.0);
     (477645.8, 3656395.1,   101.1,   101.1,   0.0);   (477152.2,
3656411.8,   88.4,   88.4,   0.0);
     (477176.9, 3656411.8,   88.5,   88.5,   0.0);   (477201.6,
3656411.8,   88.8,   88.8,   0.0);
     (477226.3, 3656411.8,   89.1,   89.1,   0.0);   (477250.9,
3656411.8,   89.9,   89.9,   0.0);
     (477275.6, 3656411.8,   90.3,   90.3,   0.0);   (477300.3,
3656411.8,   90.9,   90.9,   0.0);
     (477325.0, 3656411.8,   91.4,   91.4,   0.0);   (477349.7,
3656411.8,   91.9,   91.9,   0.0);
     (477374.3, 3656411.8,   92.2,   92.2,   0.0);   (477423.7,
3656411.8,   94.0,   94.0,   0.0);
     (477448.4, 3656411.8,   94.5,   94.5,   0.0);   (477497.7,
3656411.8,   95.3,   96.5,   0.0);
     (477522.4, 3656411.8,   96.7,   100.0,   0.0);   (477547.1,
3656411.8,   97.6,   100.7,   0.0);
     (477571.8, 3656411.8,   100.0,   100.0,   0.0);   (477596.5,
3656411.8,   100.1,   100.1,   0.0);
     (477621.1, 3656411.8,   100.8,   100.8,   0.0);   (477645.8,
3656411.8,   101.0,   101.0,   0.0);
     (477152.2, 3656428.5,   88.0,   88.0,   0.0);   (477176.9,
3656428.5,   88.1,   91.4,   0.0);
     (477201.6, 3656428.5,   88.5,   91.8,   0.0);   (477226.3,

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

     (477250.9, 3656428.5,   89.7,   89.7,   0.0);   (477275.6,
3656428.5,   90.0,   90.0,   0.0);
     (477300.3, 3656428.5,   90.8,   90.8,   0.0);   (477325.0,
3656428.5,   91.2,   91.2,   0.0);
     (477349.7, 3656428.5,   91.6,   91.6,   0.0);   (477374.3,
3656428.5,   92.0,   92.0,   0.0);
     (477497.7, 3656428.5,   95.4,   95.4,   0.0);   (477522.4,
3656428.5,   96.4,   96.4,   0.0);
     (477547.1, 3656428.5,   97.2,   100.7,   0.0);   (477571.8,
3656428.5,   100.6,   100.6,   0.0);
     (477596.5, 3656428.5,   100.4,   100.4,   0.0);   (477621.1,
3656428.5,   99.9,   99.9,   0.0);
     (477645.8, 3656428.5,   100.8,   100.8,   0.0);   (477497.7,
3656445.2,   95.6,   95.6,   0.0);
     (477522.4, 3656445.2,   96.3,   96.3,   0.0);   (477547.1,
3656445.2,   97.0,   100.7,   0.0);
     (477571.8, 3656445.2,   100.6,   100.6,   0.0);   (477596.5,
3656445.2,   100.3,   100.3,   0.0);
     (477621.1, 3656445.2,   99.5,   100.7,   0.0);   (477645.8,
3656445.2,   100.1,   100.1,   0.0);
     (477152.2, 3656461.9,   89.8,   89.8,   0.0);   (477497.7,
3656461.9,   96.2,   96.2,   0.0);
     (477522.4, 3656461.9,   96.7,   96.7,   0.0);   (477547.1,
3656461.9,   97.1,   100.7,   0.0);
     (477571.8, 3656461.9,   100.4,   100.4,   0.0);   (477596.5,
3656461.9,   100.2,   100.2,   0.0);
     (477621.1, 3656461.9,   99.2,   99.2,   0.0);   (477645.8,
3656461.9,   99.4,   99.4,   0.0);
     (477152.2, 3656478.6,   89.9,   89.9,   0.0);   (477497.7,
3656478.6,   96.3,   96.3,   0.0);
     (477522.4, 3656478.6,   96.7,   98.4,   0.0);   (477547.1,
3656478.6,   97.3,   100.5,   0.0);
     (477571.8, 3656478.6,   98.8,   100.6,   0.0);   (477596.5,
3656478.6,   100.1,   100.1,   0.0);
     (477621.1, 3656478.6,   99.0,   99.0,   0.0);   (477645.8,
3656478.6,   99.2,   99.2,   0.0);
     (477152.2, 3656495.3,   89.7,   89.7,   0.0);   (477497.7,

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3656495.3,      96.6,      96.6,       0.0);
     ( 477522.4, 3656495.3,      98.0,      98.0,       0.0);         ( 477547.1,
3656495.3,      98.4,      98.4,       0.0);
     ( 477571.8, 3656495.3,      98.9,     100.4,       0.0);         ( 477596.5,
3656495.3,     100.1,     100.1,       0.0);
     ( 477621.1, 3656495.3,      98.8,      98.8,       0.0);         ( 477645.8,
3656495.3,      99.0,      99.0,       0.0);
     ( 477152.2, 3656512.0,      89.8,      89.8,       0.0);         ( 477176.9,
3656512.0,      90.1,      92.4,       0.0);
     ( 477300.3, 3656512.0,      93.3,      93.3,       0.0);         ( 477325.0,
3656512.0,      93.7,      93.7,       0.0);
     ( 477349.7, 3656512.0,      93.7,      93.7,       0.0);         ( 477374.3,
3656512.0,      93.7,      93.7,       0.0);
     ( 477399.0, 3656512.0,      93.6,      93.6,       0.0);         ( 477522.4,
3656512.0,      97.7,      97.7,       0.0);
     ( 477547.1, 3656512.0,      98.3,      98.3,       0.0);         ( 477571.8,
3656512.0,      98.7,     100.2,       0.0);
     ( 477596.5, 3656512.0,      99.9,      99.9,       0.0);         ( 477621.1,
3656512.0,      99.2,      99.2,       0.0);
     ( 477645.8, 3656512.0,      99.1,      99.5,       0.0);         ( 477176.9,
3656528.7,      91.3,      92.3,       0.0);
     ( 477300.3, 3656528.7,      93.1,      93.1,       0.0);         ( 477325.0,
3656528.7,      93.7,      93.7,       0.0);
     ( 477349.7, 3656528.7,      93.7,      93.7,       0.0);         ( 477374.3,
3656528.7,      93.7,      93.7,       0.0);
     ( 477399.0, 3656528.7,      93.7,      93.7,       0.0);         ( 477522.4,
3656528.7,      97.6,      97.6,       0.0);
     ( 477547.1, 3656528.7,      97.9,      97.9,       0.0);         ( 477571.8,
3656528.7,      98.5,      98.5,       0.0);
     ( 477596.5, 3656528.7,      98.5,     100.0,       0.0);         ( 477621.1,
3656528.7,      98.1,      99.9,       0.0);
     ( 477645.8, 3656528.7,      98.2,      98.2,       0.0);         ( 477176.9,
3656545.4,      92.3,      92.3,       0.0);
     ( 477300.3, 3656545.4,      93.2,      93.2,       0.0);         ( 477325.0,
3656545.4,      93.7,      93.7,       0.0);
     ( 477349.7, 3656545.4,      93.5,      93.5,       0.0);         ( 477374.3,
3656545.4,      93.3,      93.3,       0.0);
     ( 477399.0, 3656545.4,      93.7,      93.7,       0.0);         ( 477423.7,
3656545.4,      94.3,      94.3,       0.0);
     ( 477522.4, 3656545.4,      97.6,      97.6,       0.0);         ( 477547.1,
3656545.4,      98.0,      98.0,       0.0);
     ( 477571.8, 3656545.4,      98.6,      98.6,       0.0);         ( 477596.5,
3656545.4,      97.6,      98.6,       0.0);
     ( 477621.1, 3656545.4,      97.4,      97.4,       0.0);         ( 477645.8,
3656545.4,      97.7,      97.7,       0.0);
     ( 477176.9, 3656562.1,      92.0,      92.0,       0.0);         ( 477300.3,
3656562.1,      93.2,      93.2,       0.0);
     ( 477325.0, 3656562.1,      93.6,      93.6,       0.0);         ( 477349.7,
3656562.1,      93.7,      93.7,       0.0);
     ( 477374.3, 3656562.1,      93.7,      93.7,       0.0);         ( 477399.0,
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                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (477547.1, 3656562.1,   98.3,   98.3,   0.0);   (477571.8,
3656562.1,   98.6,   98.8,   0.0);
     (477596.5, 3656562.1,   97.3,   97.3,   0.0);   (477621.1,
3656562.1,   96.6,   96.6,   0.0);
     (477645.8, 3656562.1,   97.3,   97.3,   0.0);   (477176.9,
3656578.8,   92.3,   92.3,   0.0);
     (477201.6, 3656578.8,   92.3,   92.3,   0.0);   (477325.0,
3656578.8,   93.5,   93.5,   0.0);
     (477349.7, 3656578.8,   93.7,   93.7,   0.0);   (477374.3,
3656578.8,   93.7,   93.7,   0.0);
     (477399.0, 3656578.8,   93.6,   93.6,   0.0);   (477423.7,
3656578.8,   93.7,   99.0,   0.0);
     (477547.1, 3656578.8,   98.4,   98.4,   0.0);   (477571.8,
3656578.8,   97.8,   97.8,   0.0);
     (477596.5, 3656578.8,   97.4,   97.4,   0.0);   (477621.1,
3656578.8,   96.4,   96.4,   0.0);
     (477645.8, 3656578.8,   97.1,   97.1,   0.0);   (477201.6,
3656595.5,   92.5,   94.5,   0.0);
     (477547.1, 3656595.5,   98.4,   98.4,   0.0);   (477571.8,
3656595.5,   97.8,   97.8,   0.0);
     (477596.5, 3656595.5,   96.9,   96.9,   0.0);   (477621.1,
3656595.5,   96.8,   96.8,   0.0);
     (477645.8, 3656595.5,   97.1,   97.1,   0.0);   (477152.2,
3656612.2,   94.0,   96.8,   0.0);
     (477201.6, 3656612.2,   94.5,   94.5,   0.0);   (477547.1,
3656612.2,   98.5,   98.5,   0.0);
     (477571.8, 3656612.2,   97.6,   97.6,   0.0);   (477596.5,
3656612.2,   96.8,   96.8,   0.0);
     (477621.1, 3656612.2,   97.3,   97.3,   0.0);   (477645.8,
3656612.2,   97.3,   97.3,   0.0);
     (477152.2, 3656628.9,   95.0,   95.0,   0.0);   (477201.6,
3656628.9,   94.7,   96.0,   0.0);
     (477547.1, 3656628.9,   98.2,   98.2,   0.0);   (477571.8,
3656628.9,   98.1,   99.0,   0.0);
     (477596.5, 3656628.9,   97.6,   97.6,   0.0);   (477621.1,

```
3656628.9,      97.3,      97.3,       0.0);
     ( 477645.8, 3656628.9,      97.8,      97.8,       0.0);         ( 477152.2,
3656645.6,      95.0,      95.0,       0.0);
     ( 477226.3, 3656645.6,      96.2,      96.2,       0.0);         ( 477250.9,
3656645.6,      97.8,      97.8,       0.0);
     ( 477571.8, 3656645.6,      99.1,      99.1,       0.0);         ( 477596.5,
3656645.6,      97.9,      97.9,       0.0);
     ( 477621.1, 3656645.6,      97.0,      97.0,       0.0);         ( 477645.8,
3656645.6,      97.9,      97.9,       0.0);
     ( 477152.2, 3656662.3,      95.2,     100.5,       0.0);         ( 477176.9,
3656662.3,      95.1,     100.5,       0.0);
     ( 477226.3, 3656662.3,      96.5,      97.4,       0.0);         ( 477250.9,
3656662.3,      97.7,      99.5,       0.0);
     ( 477275.6, 3656662.3,      99.6,      99.6,       0.0);         ( 477300.3,
3656662.3,      99.2,      99.2,       0.0);
     ( 477571.8, 3656662.3,      99.4,      99.4,       0.0);         ( 477596.5,
3656662.3,      97.9,      97.9,       0.0);
     ( 477621.1, 3656662.3,      97.2,      97.2,       0.0);         ( 477645.8,
3656662.3,      97.8,      97.8,       0.0);
     ( 477421.2, 3656372.6,      93.2,      93.2,       0.0);         ( 477559.3,
3656388.3,      99.6,      99.6,       0.0);
     ( 477319.9, 3656674.0,      99.5,      99.5,       0.0);         ( 477344.0,
3656677.8,     100.0,     100.0,       0.0);
     ( 477368.1, 3656684.5,     100.3,     100.3,       0.0);         ( 477396.7,
3656689.1,     100.5,     100.5,       0.0);
     ( 477431.4, 3656698.9,     100.8,     100.8,       0.0);         ( 477571.5,
3656690.6,      99.8,      99.8,       0.0);
     ( 477603.9, 3656690.6,      97.8,      97.8,       0.0);         ( 477657.4,
3656687.6,      97.8,      97.8,       0.0);
     ( 477758.4, 3656642.8,      73.7,     101.8,       0.0);         ( 477748.6,
3656612.3,      70.4,     102.0,       0.0);
     ( 477888.1, 3655990.0,      38.6,     101.8,       0.0);         ( 477889.4,
3655769.8,      25.8,     101.8,       0.0);
     ( 477434.1, 3655867.7,      58.0,      96.0,       0.0);         ( 477466.7,
3655808.8,      48.5,      98.8,       0.0);
     ( 477495.5, 3655776.1,      44.6,      98.8,       0.0);         ( 477449.8,
3655743.6,      43.7,     101.0,       0.0);
     ( 477442.4, 3655709.8,      43.0,     101.0,       0.0);         ( 477442.4,
3655666.8,      41.9,     101.0,       0.0);
     ( 477505.3, 3655671.8,      38.8,     100.9,       0.0);         ( 477564.5,
3655701.9,      43.6,      96.2,       0.0);
     ( 477601.8, 3655648.8,      38.8,      95.0,       0.0);         ( 477621.8,
3655648.8,      37.0,      97.5,       0.0);
     ( 477641.8, 3655648.8,      34.2,      98.8,       0.0);         ( 477661.8,
3655648.8,      33.5,      98.8,       0.0);
     ( 477681.8, 3655648.8,      32.0,      98.8,       0.0);         ( 477701.8,
3655648.8,      33.4,      98.8,       0.0);
     ( 477721.8, 3655648.8,      34.8,      97.6,       0.0);         ( 477941.8,
3655648.8,      17.6,     101.8,       0.0);
     ( 477961.8, 3655648.8,      17.4,     101.8,       0.0);         ( 477981.8,
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3655648.8,   19.4,   101.8,   0.0);
     (478001.8, 3655648.8,   17.6,   101.8,   0.0);   (477601.8,
3655668.8,   39.7,   97.5,   0.0);
     (477621.8, 3655668.8,   37.9,   98.0,   0.0);   (477641.8,
3655668.8,   35.6,   98.8,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                       (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (477661.8, 3655668.8,   34.6,   98.8,   0.0);   (477681.8,
3655668.8,   33.9,   98.8,   0.0);
     (477701.8, 3655668.8,   34.4,   98.8,   0.0);   (477721.8,
3655668.8,   34.8,   98.8,   0.0);
     (477941.8, 3655668.8,   20.6,   101.8,   0.0);   (477961.8,
3655668.8,   20.2,   101.8,   0.0);
     (477981.8, 3655668.8,   20.3,   101.8,   0.0);   (478001.8,
3655668.8,   19.1,   101.8,   0.0);
     (477601.8, 3655688.8,   40.8,   97.6,   0.0);   (477621.8,
3655688.8,   38.6,   98.8,   0.0);
     (477641.8, 3655688.8,   37.8,   98.8,   0.0);   (477721.8,
3655688.8,   37.6,   98.7,   0.0);
     (477921.8, 3655688.8,   20.5,   101.8,   0.0);   (477941.8,
3655688.8,   20.6,   101.8,   0.0);
     (477961.8, 3655688.8,   20.6,   101.8,   0.0);   (477981.8,
3655688.8,   20.3,   101.8,   0.0);
     (478001.8, 3655688.8,   20.0,   101.8,   0.0);   (477601.8,
3655708.8,   42.0,   98.0,   0.0);
     (477621.8, 3655708.8,   41.0,   98.7,   0.0);   (477641.8,
3655708.8,   40.6,   98.8,   0.0);
     (477721.8, 3655708.8,   38.8,   98.8,   0.0);   (477941.8,
3655708.8,   22.2,   101.8,   0.0);
     (477961.8, 3655708.8,   22.3,   101.8,   0.0);   (477981.8,
3655708.8,   21.5,   101.8,   0.0);
     (478001.8, 3655708.8,   21.4,   101.8,   0.0);   (477601.8,
3655728.8,   44.3,   97.6,   0.0);
     (477621.8, 3655728.8,   44.1,   97.6,   0.0);   (477641.8,
3655728.8,   40.8,   98.8,   0.0);
     (477721.8, 3655728.8,   38.8,   100.5,   0.0);   (477941.8,
3655728.8,   22.9,   101.8,   0.0);
     (477961.8, 3655728.8,   22.7,   101.8,   0.0);   (477981.8,
3655728.8,   21.7,   101.8,   0.0);
     (478001.8, 3655728.8,   21.6,   101.8,   0.0);   (477601.8,

```
3655748.8,      46.4,      97.6,       0.0);
     ( 477761.8, 3655748.8,      36.4,     101.8,       0.0);         ( 477821.8,
3655748.8,      30.2,     101.8,       0.0);
     ( 477841.8, 3655748.8,      28.0,     101.8,       0.0);         ( 477861.8,
3655748.8,      26.4,     101.8,       0.0);
     ( 477881.8, 3655748.8,      25.8,     101.8,       0.0);         ( 477901.8,
3655748.8,      24.7,     101.8,       0.0);
     ( 477941.8, 3655748.8,      22.9,     101.8,       0.0);         ( 477961.8,
3655748.8,      22.9,     101.8,       0.0);
     ( 477981.8, 3655748.8,      22.5,     101.8,       0.0);         ( 478001.8,
3655748.8,      21.8,     101.8,       0.0);
     ( 477601.8, 3655768.8,      48.5,      97.6,       0.0);         ( 477761.8,
3655768.8,      38.3,     101.8,       0.0);
     ( 477821.8, 3655768.8,      30.5,     101.8,       0.0);         ( 477841.8,
3655768.8,      28.2,     101.8,       0.0);
     ( 477861.8, 3655768.8,      28.0,     101.8,       0.0);         ( 477881.8,
3655768.8,      25.9,     101.8,       0.0);
     ( 477901.8, 3655768.8,      25.5,     101.8,       0.0);         ( 477941.8,
3655768.8,      23.8,     101.8,       0.0);
     ( 477961.8, 3655768.8,      23.9,     101.8,       0.0);         ( 477981.8,
3655768.8,      22.9,     101.8,       0.0);
     ( 478001.8, 3655768.8,      22.1,     101.8,       0.0);         ( 477601.8,
3655788.8,      51.9,      96.2,       0.0);
     ( 477761.8, 3655788.8,      37.9,     101.8,       0.0);         ( 477821.8,
3655788.8,      30.5,     101.8,       0.0);
     ( 477841.8, 3655788.8,      29.6,     101.8,       0.0);         ( 477861.8,
3655788.8,      28.9,     101.8,       0.0);
     ( 477881.8, 3655788.8,      27.4,     101.8,       0.0);         ( 477901.8,
3655788.8,      27.2,     101.8,       0.0);
     ( 477941.8, 3655788.8,      25.3,     101.8,       0.0);         ( 477961.8,
3655788.8,      24.1,     101.8,       0.0);
     ( 477981.8, 3655788.8,      24.0,     101.8,       0.0);         ( 478001.8,
3655788.8,      23.3,     101.8,       0.0);
     ( 477601.8, 3655808.8,      52.9,      97.5,       0.0);         ( 477761.8,
3655808.8,      39.3,     101.8,       0.0);
     ( 477781.8, 3655808.8,      37.1,     101.8,       0.0);         ( 477801.8,
3655808.8,      34.2,     101.8,       0.0);
     ( 477821.8, 3655808.8,      32.5,     101.8,       0.0);         ( 477841.8,
3655808.8,      31.7,     101.8,       0.0);
     ( 477861.8, 3655808.8,      29.7,     101.8,       0.0);         ( 477881.8,
3655808.8,      28.6,     101.8,       0.0);
     ( 477901.8, 3655808.8,      27.3,     101.8,       0.0);         ( 477941.8,
3655808.8,      26.4,     101.8,       0.0);
     ( 477961.8, 3655808.8,      25.8,     101.8,       0.0);         ( 477981.8,
3655808.8,      26.4,     101.8,       0.0);
     ( 478001.8, 3655808.8,      24.0,     101.8,       0.0);         ( 477601.8,
3655828.8,      55.1,      97.5,       0.0);
     ( 477621.8, 3655828.8,      58.0,      93.4,       0.0);         ( 477641.8,
3655828.8,      55.5,      96.5,       0.0);
     ( 477661.8, 3655828.8,      57.8,      93.2,       0.0);         ( 477681.8,
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3655828.8,   58.8,   71.0,   0.0);
     (477701.8, 3655828.8,   57.8,   71.0,   0.0);   (477721.8,
3655828.8,   53.2,   97.4,   0.0);
     (477741.8, 3655828.8,   45.2,   101.8,   0.0);   (477761.8,
3655828.8,   41.1,   101.8,   0.0);
     (477781.8, 3655828.8,   38.2,   101.8,   0.0);   (477801.8,
3655828.8,   35.2,   101.8,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                              (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                          (METERS)

     (477821.8, 3655828.8,   33.5,   101.8,   0.0);   (477841.8,
3655828.8,   32.7,   101.8,   0.0);
     (477861.8, 3655828.8,   30.4,   101.8,   0.0);   (477881.8,
3655828.8,   28.9,   101.8,   0.0);
     (477901.8, 3655828.8,   28.1,   101.8,   0.0);   (477921.8,
3655828.8,   28.0,   101.8,   0.0);
     (477941.8, 3655828.8,   27.4,   101.8,   0.0);   (477961.8,
3655828.8,   26.4,   101.8,   0.0);
     (477981.8, 3655828.8,   26.5,   101.8,   0.0);   (478001.8,
3655828.8,   25.2,   101.8,   0.0);
     (477601.8, 3655848.8,   57.9,   96.5,   0.0);   (477621.8,
3655848.8,   59.2,   93.9,   0.0);
     (477641.8, 3655848.8,   60.0,   93.2,   0.0);   (477661.8,
3655848.8,   59.0,   93.4,   0.0);
     (477681.8, 3655848.8,   59.3,   93.2,   0.0);   (477701.8,
3655848.8,   58.9,   93.2,   0.0);
     (477721.8, 3655848.8,   54.0,   97.5,   0.0);   (477741.8,
3655848.8,   46.1,   101.8,   0.0);
     (477761.8, 3655848.8,   41.8,   101.8,   0.0);   (477781.8,
3655848.8,   39.4,   101.8,   0.0);
     (477801.8, 3655848.8,   38.6,   101.8,   0.0);   (477821.8,
3655848.8,   35.6,   101.8,   0.0);
     (477841.8, 3655848.8,   33.3,   101.8,   0.0);   (477861.8,
3655848.8,   30.4,   101.8,   0.0);
     (477881.8, 3655848.8,   29.9,   101.8,   0.0);   (477901.8,
3655848.8,   29.0,   101.8,   0.0);
     (477921.8, 3655848.8,   28.7,   101.8,   0.0);   (477941.8,
3655848.8,   28.1,   101.8,   0.0);
     (477961.8, 3655848.8,   27.5,   101.8,   0.0);   (477981.8,
3655848.8,   26.7,   101.8,   0.0);
     (478001.8, 3655848.8,   26.0,   101.8,   0.0);   (477601.8,

```
3655868.8,      58.4,      97.6,       0.0);
     ( 477621.8, 3655868.8,      60.5,      95.0,       0.0);         ( 477641.8,
3655868.8,      60.8,      93.9,       0.0);
     ( 477661.8, 3655868.8,      60.6,      93.9,       0.0);         ( 477681.8,
3655868.8,      61.2,      93.2,       0.0);
     ( 477701.8, 3655868.8,      59.7,      93.4,       0.0);         ( 477721.8,
3655868.8,      51.9,     101.1,       0.0);
     ( 477741.8, 3655868.8,      44.3,     101.8,       0.0);         ( 477761.8,
3655868.8,      41.3,     101.8,       0.0);
     ( 477781.8, 3655868.8,      41.0,     101.8,       0.0);         ( 477801.8,
3655868.8,      39.7,     101.8,       0.0);
     ( 477821.8, 3655868.8,      36.1,     101.8,       0.0);         ( 477841.8,
3655868.8,      33.4,     101.8,       0.0);
     ( 477861.8, 3655868.8,      32.1,     101.8,       0.0);         ( 477881.8,
3655868.8,      30.1,     101.8,       0.0);
     ( 477901.8, 3655868.8,      30.1,     101.8,       0.0);         ( 477921.8,
3655868.8,      29.8,     101.8,       0.0);
     ( 477941.8, 3655868.8,      28.8,     101.8,       0.0);         ( 477961.8,
3655868.8,      28.9,     101.8,       0.0);
     ( 477981.8, 3655868.8,      27.7,     101.8,       0.0);         ( 478001.8,
3655868.8,      27.2,     101.8,       0.0);
     ( 477601.8, 3655888.8,      57.4,      98.8,       0.0);         ( 477621.8,
3655888.8,      61.0,      97.5,       0.0);
     ( 477641.8, 3655888.8,      63.9,      93.2,       0.0);         ( 477661.8,
3655888.8,      63.7,      93.2,       0.0);
     ( 477681.8, 3655888.8,      59.3,      97.5,       0.0);         ( 477701.8,
3655888.8,      52.6,     101.8,       0.0);
     ( 477721.8, 3655888.8,      47.5,     101.8,       0.0);         ( 477741.8,
3655888.8,      44.8,     101.8,       0.0);
     ( 477761.8, 3655888.8,      41.6,     101.8,       0.0);         ( 477781.8,
3655888.8,      40.4,     101.8,       0.0);
     ( 477801.8, 3655888.8,      39.9,     101.8,       0.0);         ( 477821.8,
3655888.8,      38.3,     101.8,       0.0);
     ( 477841.8, 3655888.8,      34.2,     101.8,       0.0);         ( 477861.8,
3655888.8,      33.7,     101.8,       0.0);
     ( 477881.8, 3655888.8,      31.8,     101.8,       0.0);         ( 477901.8,
3655888.8,      31.4,     101.8,       0.0);
     ( 477921.8, 3655888.8,      30.5,     101.8,       0.0);         ( 477941.8,
3655888.8,      30.2,     101.8,       0.0);
     ( 477961.8, 3655888.8,      30.3,     101.8,       0.0);         ( 477981.8,
3655888.8,      28.8,     101.8,       0.0);
     ( 478001.8, 3655888.8,      28.5,     101.8,       0.0);         ( 477601.8,
3655908.8,      58.6,      98.8,       0.0);
     ( 477621.8, 3655908.8,      60.6,      98.8,       0.0);         ( 477641.8,
3655908.8,      64.5,      95.0,       0.0);
     ( 477661.8, 3655908.8,      64.7,      93.4,       0.0);         ( 477681.8,
3655908.8,      61.4,      97.5,       0.0);
     ( 477701.8, 3655908.8,      54.1,     101.8,       0.0);         ( 477721.8,
3655908.8,      49.0,     101.8,       0.0);
     ( 477741.8, 3655908.8,      46.4,     101.8,       0.0);         ( 477761.8,
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3655908.8,   46.5,   101.8,   0.0);
     (477781.8, 3655908.8,   42.7,   101.8,   0.0);   (477801.8,
3655908.8,   40.7,   101.8,   0.0);
     (477821.8, 3655908.8,   40.3,   101.8,   0.0);   (477841.8,
3655908.8,   36.1,   101.8,   0.0);
     (477861.8, 3655908.8,   34.4,   101.8,   0.0);   (477881.8,
3655908.8,   32.8,   101.8,   0.0);
     (477901.8, 3655908.8,   32.1,   101.8,   0.0);   (477921.8,
3655908.8,   31.6,   101.8,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                (METERS)

     (477941.8, 3655908.8,   31.0,   101.8,   0.0);   (477961.8,
3655908.8,   31.1,   101.8,   0.0);
     (477981.8, 3655908.8,   30.1,   101.8,   0.0);   (478001.8,
3655908.8,   29.7,   101.8,   0.0);
     (477601.8, 3655928.8,   59.2,   100.5,   0.0);   (477621.8,
3655928.8,   62.2,   98.8,   0.0);
     (477641.8, 3655928.8,   67.8,   93.2,   0.0);   (477661.8,
3655928.8,   70.2,   70.2,   0.0);
     (477681.8, 3655928.8,   66.1,   93.4,   0.0);   (477701.8,
3655928.8,   61.2,   98.8,   0.0);
     (477721.8, 3655928.8,   50.2,   101.8,   0.0);   (477741.8,
3655928.8,   47.1,   101.8,   0.0);
     (477761.8, 3655928.8,   47.2,   101.8,   0.0);   (477781.8,
3655928.8,   45.4,   101.8,   0.0);
     (477801.8, 3655928.8,   42.3,   101.8,   0.0);   (477821.8,
3655928.8,   41.9,   101.8,   0.0);
     (477841.8, 3655928.8,   38.6,   101.8,   0.0);   (477861.8,
3655928.8,   35.3,   101.8,   0.0);
     (477881.8, 3655928.8,   34.7,   101.8,   0.0);   (477901.8,
3655928.8,   33.6,   101.8,   0.0);
     (477921.8, 3655928.8,   32.5,   101.8,   0.0);   (477941.8,
3655928.8,   31.9,   101.8,   0.0);
     (477961.8, 3655928.8,   32.0,   101.8,   0.0);   (477981.8,
3655928.8,   31.2,   101.8,   0.0);
     (478001.8, 3655928.8,   30.8,   101.8,   0.0);   (477601.8,
3655948.8,   61.2,   100.5,   0.0);
     (477621.8, 3655948.8,   64.3,   98.8,   0.0);   (477641.8,
3655948.8,   70.3,   93.2,   0.0);
     (477661.8, 3655948.8,   70.9,   70.9,   0.0);   (477681.8,

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3655948.8,      69.6,      71.0,       0.0);
     ( 477701.8, 3655948.8,      62.2,      98.8,       0.0);         ( 477721.8,
3655948.8,      52.3,     101.8,       0.0);
     ( 477741.8, 3655948.8,      49.3,     101.8,       0.0);         ( 477761.8,
3655948.8,      48.2,     101.8,       0.0);
     ( 477781.8, 3655948.8,      46.7,     101.8,       0.0);         ( 477801.8,
3655948.8,      43.0,     101.8,       0.0);
     ( 477821.8, 3655948.8,      41.7,     101.8,       0.0);         ( 477841.8,
3655948.8,      39.0,     101.8,       0.0);
     ( 477861.8, 3655948.8,      36.4,     101.8,       0.0);         ( 477881.8,
3655948.8,      35.6,     101.8,       0.0);
     ( 477901.8, 3655948.8,      34.7,     101.8,       0.0);         ( 477921.8,
3655948.8,      34.6,     101.8,       0.0);
     ( 477941.8, 3655948.8,      33.2,     101.8,       0.0);         ( 477961.8,
3655948.8,      32.9,     101.8,       0.0);
     ( 477981.8, 3655948.8,      32.8,     101.8,       0.0);         ( 478001.8,
3655948.8,      32.0,     101.8,       0.0);
     ( 477601.8, 3655968.8,      62.7,     100.5,       0.0);         ( 477621.8,
3655968.8,      66.1,      98.8,       0.0);
     ( 477641.8, 3655968.8,      69.8,      96.2,       0.0);         ( 477661.8,
3655968.8,      70.9,      93.2,       0.0);
     ( 477681.8, 3655968.8,      70.8,      70.8,       0.0);         ( 477701.8,
3655968.8,      63.0,     100.5,       0.0);
     ( 477721.8, 3655968.8,      54.3,     101.8,       0.0);         ( 477741.8,
3655968.8,      55.3,     101.8,       0.0);
     ( 477761.8, 3655968.8,      51.9,     101.8,       0.0);         ( 477781.8,
3655968.8,      48.1,     101.8,       0.0);
     ( 477801.8, 3655968.8,      43.8,     101.8,       0.0);         ( 477821.8,
3655968.8,      40.9,     101.8,       0.0);
     ( 477841.8, 3655968.8,      40.0,     101.8,       0.0);         ( 477861.8,
3655968.8,      37.6,     101.8,       0.0);
     ( 477881.8, 3655968.8,      38.2,     101.8,       0.0);         ( 477901.8,
3655968.8,      35.7,     101.8,       0.0);
     ( 477921.8, 3655968.8,      35.7,     101.8,       0.0);         ( 477941.8,
3655968.8,      34.9,     101.8,       0.0);
     ( 477961.8, 3655968.8,      34.2,     101.8,       0.0);         ( 477981.8,
3655968.8,      33.9,     101.8,       0.0);
     ( 478001.8, 3655968.8,      32.4,     101.8,       0.0);         ( 477601.8,
3655988.8,      68.4,      98.8,       0.0);
     ( 477621.8, 3655988.8,      70.0,      97.6,       0.0);         ( 477641.8,
3655988.8,      70.4,      97.5,       0.0);
     ( 477661.8, 3655988.8,      70.8,      96.5,       0.0);         ( 477681.8,
3655988.8,      70.5,      96.2,       0.0);
     ( 477701.8, 3655988.8,      62.3,     101.8,       0.0);         ( 477721.8,
3655988.8,      58.4,     101.8,       0.0);
     ( 477741.8, 3655988.8,      54.3,     101.8,       0.0);         ( 477761.8,
3655988.8,      53.0,     101.8,       0.0);
     ( 477781.8, 3655988.8,      46.2,     101.8,       0.0);         ( 477801.8,
3655988.8,      44.0,     101.8,       0.0);
     ( 477821.8, 3655988.8,      41.0,     101.8,       0.0);         ( 477841.8,
```

3655988.8,   40.8,   101.8,   0.0);
     (477861.8, 3655988.8,   39.5,   101.8,   0.0);   (477881.8,
3655988.8,   38.5,   101.8,   0.0);
     (477901.8, 3655988.8,   38.4,   101.8,   0.0);   (477921.8,
3655988.8,   36.4,   101.8,   0.0);
     (477941.8, 3655988.8,   36.3,   101.8,   0.0);   (477961.8,
3655988.8,   35.4,   101.8,   0.0);
     (477981.8, 3655988.8,   34.8,   101.8,   0.0);   (478001.8,
3655988.8,   33.2,   101.8,   0.0);
     (477601.8, 3656008.8,   70.6,   98.8,   0.0);   (477621.8,
3656008.8,   72.2,   97.6,   0.0);

                                                *** DISCRETE CARTESIAN RECEPTORS ***
                                               (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                           (METERS)

     (477641.8, 3656008.8,   70.6,   98.7,   0.0);   (477661.8,
3656008.8,   67.8,   98.9,   0.0);
     (477681.8, 3656008.8,   67.2,   100.5,   0.0);   (477701.8,
3656008.8,   62.5,   101.8,   0.0);
     (477721.8, 3656008.8,   57.7,   101.8,   0.0);   (477741.8,
3656008.8,   53.0,   101.8,   0.0);
     (477761.8, 3656008.8,   48.2,   101.8,   0.0);   (477781.8,
3656008.8,   44.7,   101.8,   0.0);
     (477801.8, 3656008.8,   44.0,   101.8,   0.0);   (477821.8,
3656008.8,   41.5,   101.8,   0.0);
     (477841.8, 3656008.8,   41.0,   101.8,   0.0);   (477861.8,
3656008.8,   39.9,   101.8,   0.0);
     (477881.8, 3656008.8,   39.8,   101.8,   0.0);   (477901.8,
3656008.8,   41.0,   101.8,   0.0);
     (477921.8, 3656008.8,   39.9,   101.8,   0.0);   (477941.8,
3656008.8,   37.4,   101.8,   0.0);
     (477961.8, 3656008.8,   36.1,   101.8,   0.0);   (477981.8,
3656008.8,   35.5,   101.8,   0.0);
     (478001.8, 3656008.8,   34.1,   101.8,   0.0);   (477601.8,
3656028.8,   73.6,   98.7,   0.0);
     (477621.8, 3656028.8,   74.8,   97.5,   0.0);   (477641.8,
3656028.8,   72.4,   98.8,   0.0);
     (477661.8, 3656028.8,   67.1,   101.5,   0.0);   (477681.8,
3656028.8,   64.5,   101.8,   0.0);
     (477701.8, 3656028.8,   62.8,   101.8,   0.0);   (477721.8,
3656028.8,   54.9,   101.8,   0.0);
     (477741.8, 3656028.8,   52.1,   101.8,   0.0);   (477761.8,

```
3656028.8,      48.2,     101.8,       0.0);
     ( 477781.8, 3656028.8,      46.6,     101.8,       0.0);         ( 477801.8,
3656028.8,      43.6,     101.8,       0.0);
     ( 477821.8, 3656028.8,      43.1,     101.8,       0.0);         ( 477841.8,
3656028.8,      42.0,     101.8,       0.0);
     ( 477861.8, 3656028.8,      42.9,     101.8,       0.0);         ( 477881.8,
3656028.8,      43.1,     101.8,       0.0);
     ( 477901.8, 3656028.8,      41.3,     101.8,       0.0);         ( 477921.8,
3656028.8,      41.3,     101.8,       0.0);
     ( 477941.8, 3656028.8,      38.3,     101.8,       0.0);         ( 477961.8,
3656028.8,      37.5,     101.8,       0.0);
     ( 477981.8, 3656028.8,      36.1,     101.8,       0.0);         ( 478001.8,
3656028.8,      36.3,     101.8,       0.0);
     ( 477601.8, 3656048.8,      79.1,      95.0,       0.0);         ( 477621.8,
3656048.8,      80.0,      93.2,       0.0);
     ( 477641.8, 3656048.8,      72.8,      98.8,       0.0);         ( 477661.8,
3656048.8,      64.5,     101.8,       0.0);
     ( 477681.8, 3656048.8,      62.4,     101.8,       0.0);         ( 477701.8,
3656048.8,      57.7,     101.8,       0.0);
     ( 477721.8, 3656048.8,      53.9,     101.8,       0.0);         ( 477741.8,
3656048.8,      51.3,     101.8,       0.0);
     ( 477761.8, 3656048.8,      48.9,     101.8,       0.0);         ( 477781.8,
3656048.8,      47.6,     101.8,       0.0);
     ( 477801.8, 3656048.8,      45.0,     101.8,       0.0);         ( 477821.8,
3656048.8,      44.3,     101.8,       0.0);
     ( 477841.8, 3656048.8,      44.6,     101.8,       0.0);         ( 477861.8,
3656048.8,      44.7,     101.8,       0.0);
     ( 477881.8, 3656048.8,      44.4,     101.8,       0.0);         ( 477901.8,
3656048.8,      42.4,     101.8,       0.0);
     ( 477921.8, 3656048.8,      41.8,     101.8,       0.0);         ( 477941.8,
3656048.8,      40.5,     101.8,       0.0);
     ( 477961.8, 3656048.8,      39.4,     101.8,       0.0);         ( 477981.8,
3656048.8,      37.2,     101.8,       0.0);
     ( 478001.8, 3656048.8,      37.0,     101.8,       0.0);         ( 477912.7,
3655638.2,      17.5,     101.8,       0.0);
     ( 477940.8, 3655629.9,      16.9,     101.8,       0.0);         ( 477970.9,
3655616.9,      16.3,     101.8,       0.0);
     ( 477725.9, 3655737.7,      38.8,     101.1,       0.0);         ( 477803.8,
3655735.0,      32.1,     101.8,       0.0);
     ( 478027.8, 3656091.0,      37.2,     101.8,       0.0);         ( 478041.4,
3656113.3,      37.5,     101.8,       0.0);
     ( 478061.0, 3656112.3,      36.5,     101.8,       0.0);         ( 478037.0,
3656044.8,      34.3,     101.8,       0.0);
     ( 478025.6, 3656015.9,      33.2,     101.8,       0.0);         ( 478021.2,
3655996.8,      32.4,     101.8,       0.0);
     ( 478014.7, 3655971.3,      32.5,     101.8,       0.0);         ( 478067.5,
3656028.4,      32.2,     101.8,       0.0);
     ( 478072.4, 3656050.2,      32.3,     101.8,       0.0);         ( 478061.0,
3656005.0,      31.6,     101.8,       0.0);
     ( 478059.3, 3655962.6,      29.1,     101.8,       0.0);         ( 478151.3,
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3656029.0,   33.6,   101.8,   0.0);
     (478160.6, 3656063.3,   33.4,   101.8,   0.0);   (478204.1,
3656046.4,   32.4,   101.8,   0.0);
     (478192.1, 3656007.7,   33.2,   101.8,   0.0);   (478130.1,
3655980.5,   32.7,   101.8,   0.0);
     (478178.5, 3655965.8,   30.9,   101.8,   0.0);   (478105.6,
3655906.5,   25.5,   101.8,   0.0);
     (478186.1, 3655923.9,   29.1,   101.8,   0.0);   (478197.6,
3656141.6,   32.3,   101.8,   0.0);
     (478219.9, 3656168.9,   30.6,   101.8,   0.0);   (478080.5,
3656204.2,   36.5,   101.8,   0.0);
     (478080.5, 3656204.2,   36.5,   101.8,   0.0);   (478290.7,
3655984.3,   35.5,   35.5,   0.0);

                                          *** DISCRETE CARTESIAN RECEPTORS ***
                                        (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                  (METERS)

     (478302.1, 3656030.6,   31.8,   35.5,   0.0);   (478226.9,
3655930.2,   34.0,   34.0,   0.0);
     (478267.4, 3655927.0,   34.0,   34.0,   0.0);   (478303.5,
3655891.7,   30.0,   34.0,   0.0);
     (478316.9, 3655920.0,   31.8,   31.8,   0.0);   (478169.0,
3655874.3,   29.4,   101.8,   0.0);
     (478202.9, 3655862.9,   34.3,   34.3,   0.0);   (478245.7,
3655855.5,   31.2,   34.4,   0.0);
     (478039.2, 3655857.4,   25.7,   101.8,   0.0);   (478104.6,
3655853.0,   23.2,   101.8,   0.0);
     (478114.5, 3655865.6,   23.2,   101.8,   0.0);

                                        *** METEOROLOGICAL DAYS SELECTED FOR
PROCESSING ***
                                                            (1=YES; 0=NO)

           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1

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1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1
1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

```
   Surface file:   ..\McClellanPalomar_2019_2021_v22112.SFC
                Met Version:  22112
   Profile file:   ..\McClellanPalomar_2019_2021_v22112.PFL

   Surface format: FREE

   Profile format: FREE

   Surface station no.:     3177                Upper air station no.:     3190
                  Name: UNKNOWN                                 Name: UNKNOWN

                  Year:   2019                                  Year:   2019
```

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
19	01	01	1	01	-6.7	0.101	-9.000	-9.000	-999.	77.	13.9	0.03	0.93	1.00	1.57	25.	7.9	280.3	2.0
19	01	01	1	02	-8.6	0.115	-9.000	-9.000	-999.	94.	15.9	0.03	0.93	1.00	1.79	35.	7.9	279.8	2.0
19	01	01	1	03	-16.3	0.162	-9.000	-9.000	-999.	156.	28.8	0.03	0.93	1.00	2.45	31.	7.9	279.2	2.0
19	01	01	1	04	-8.4	0.114	-9.000	-9.000	-999.	93.	15.6	0.03	0.93	1.00	1.77	41.	7.9	278.1	2.0
19	01	01	1	05	-13.0	0.143	-9.000	-9.000	-999.	129.	22.4	0.03	0.93	1.00	2.18	30.	7.9	279.2	2.0
19	01	01	1	06	-12.3	0.139	-9.000	-9.000	-999.	124.	21.2	0.03	0.93	1.00	2.10	24.	7.9	278.8	2.0
19	01	01	1	07	-13.6	0.146	-9.000	-9.000	-999.	134.	23.5	0.03	0.93	1.00	2.20	6.	7.9	279.8	2.0
19	01	01	1	08	-15.9	0.231	-9.000	-9.000	-999.	267.	69.9	0.03	0.93	0.50	3.42	40.	7.9	280.9	2.0
19	01	01	1	09	30.2	0.206	0.499	0.005	148.	225.	-26.1	0.03	0.93	0.29	2.61	41.	7.9	283.1	2.0
19	01	01	1	10	77.6	0.226	0.818	0.005	254.	258.	-13.4	0.03	0.93	0.22	2.67	7.	7.9	284.8	2.0
19	01	01	1	11	110.3	0.226	1.328	0.005	763.	257.	-9.4	0.03	0.93	0.20	2.57	17.	7.9	286.4	2.0
19	01	01	1	12	125.8	0.231	1.462	0.005	892.	267.	-8.8	0.03	0.93	0.19	2.62	2.	7.9	287.0	2.0
19	01	01	1	13	123.8	0.281	1.512	0.005	1004.	358.	-16.1	0.03	0.93	0.19	3.35	353.	7.9	287.5	2.0
19	01	01	1	14	104.6	0.245	1.470	0.005	1090.	292.	-12.7	0.03	0.93	0.20	2.88	7.	7.9	288.8	2.0
19	01	01	1	15	68.4	0.246	1.295	0.005	1142.	293.	-19.6	0.03	0.93	0.23	3.07	64.	7.9	288.8	2.0
19	01	01	1	16	18.1	0.311	0.835	0.005	1153.	416.	-149.4	0.03	0.93	0.32	4.29	87.	7.9	287.0	2.0
19	01	01	1	17	-24.0	0.270	-9.000	-9.000	-999.	337.	79.9	0.03	0.93	0.60	3.93	114.	7.9	285.3	2.0
19	01	01	1	18	-6.3	0.099	-9.000	-9.000	-999.	106.	13.6	0.03	0.93	1.00	1.53	116.	7.9	283.8	2.0
19	01	01	1	19	-6.7	0.101	-9.000	-9.000	-999.	78.	14.0	0.03	0.93	1.00	1.57	98.	7.9	282.0	2.0
19	01	01	1	20	-3.4	0.072	-9.000	-9.000	-999.	47.	10.0	0.03	0.93	1.00	1.11	98.	7.9	279.8	2.0
19	01	01	1	21	-5.6	0.092	-9.000	-9.000	-999.	67.	12.5	0.03	0.93	1.00	1.43	25.	7.9	279.8	2.0
19	01	01	1	22	-7.2	0.105	-9.000	-9.000	-999.	81.	14.3	0.03	0.93	1.00	1.64	39.	7.9	279.2	2.0
19	01	01	1	23	-16.3	0.161	-9.000	-9.000	-999.	155.	28.5	0.03	0.93

```
1.00    2.44   49.    7.9  279.2    2.0
 19 01 01   1 24  -25.8  0.257 -9.000 -9.000 -999.  312.     72.5  0.03   0.93
1.00    3.83   69.    7.9  280.3    2.0


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 19 01 01 01    7.9 1   25.    1.57   280.4   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  26
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                        ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
         477841.42    3656223.07      115.52956                     477884.09
3656215.48       89.62244
         477799.16    3656239.28       98.20028                     477767.77
3656252.20       65.97859
         477881.27    3656161.04      120.33617                     477928.70
3656143.00       62.93393
         477877.59    3656112.60       79.61011                     477859.22
3656047.80       31.41328
         477843.19    3656065.17       45.31192                     477822.81
3656055.81       40.97960
         477769.69    3656067.17       51.28035                     477723.93
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3656083.21       54.19800
         477686.85    3656091.89       46.08254                       477657.45
3656112.94       40.90543
         477613.02    3656131.64       28.67759                       477697.85
3656267.16       24.93509
         477940.95    3656208.14       54.51933                       477968.46
3656121.68       36.09533
         477929.95    3656071.37       27.76962                       477929.95
3656071.37       27.76962
         477909.12    3656026.18       18.93892                       477551.47
3656176.31        9.34258
         477556.58    3656193.99        8.84121                       477563.65
3656214.04        8.37640
         477568.37    3656233.30        7.90522                       477575.84
3656249.80        7.69611
         477732.03    3656324.49       15.99171                       477771.22
3656319.93       22.13452
         477799.28    3656302.26       34.27402                       477848.01
3656278.80       46.67013
         477855.40    3656303.97       33.81916                       477662.28
3656312.36        9.70187
         477646.69    3656291.64        9.97104                       477595.93
3656279.18        7.63166
         477601.71    3656295.67        7.32616                       477613.11
3656310.25        7.34192
         477616.82    3656345.21        6.46049                       477618.05
3656360.60        6.07361
         477656.63    3656372.50        6.52155                       477693.56
3656356.70        7.92045
         477826.11    3656362.04       19.32786                       477760.56
3656385.54        9.61297
         477685.56    3656397.61        5.87157                       477529.12
3656164.51        8.60320
         477507.50    3656168.05        7.50138                       477912.17
3656272.01       37.29926
         477898.42    3656260.31       45.18783                       477991.80
3656212.32       33.09127
         477524.85    3656024.54       13.81775                       477517.81
3655938.11        8.75580
         477507.57    3655899.06        7.04295                       477512.69
3655838.24        5.30048
         477570.95    3655927.23        9.28308                       477586.31
3655965.64       12.26027
         477585.03    3656041.82       16.10065                       477594.63
3656082.15       15.44710
         477556.22    3655822.24        5.27664                       477568.39
3655878.57        7.08343
         477543.42    3655763.34        4.04211                       477533.71
3656261.02        5.95551
         477515.67    3656264.72        5.42885                       477538.79
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3656296.18        5.34579
         477553.60    3656327.17        5.12666                       477555.45
3656350.29        4.80407
         477800.31    3656428.13       10.67540                       477875.86
3656385.24       15.79367
         477831.04    3656391.64       15.10739                       477898.26
3656364.11       18.14635
         477933.48    3656357.07       17.12227                       477932.20
3656435.18       10.59870
         478012.87    3656438.38        8.33199                       477838.08
3656479.35        8.92075
         477877.14    3656481.27        9.13065                       477858.57
3656540.18        6.67508
         477797.10    3656557.46        5.48400                       477980.86
3656506.24        6.86821
         478021.83    3656533.14        5.68216                       478071.77
3656518.41        5.33091
         478101.22    3656514.57        5.08878                       478071.13
3656478.71        6.09311
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE  27
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - -
         478062.17    3656435.82        7.26588                       478019.91
3656485.12        6.76067
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         477516.52    3656524.97        2.67607                    477145.77
3655768.66        3.18454
         477163.44    3655768.66        3.27649                    477181.11
3655768.66        3.32850
         477198.78    3655768.66        3.38049                    477216.45
3655768.66        3.44199
         477357.81    3655768.66        3.59007                    477393.15
3655768.66        3.74636
         477410.82    3655768.66        3.81088                    477428.49
3655768.66        3.70993
         477145.77    3655796.44        3.41809                    477163.44
3655796.44        3.51315
         477181.11    3655796.44        3.57883                    477198.78
3655796.44        3.64475
         477216.45    3655796.44        3.71191                    477340.14
3655796.44        3.84862
         477393.15    3655796.44        4.13615                    477410.82
3655796.44        4.19053
         477428.49    3655796.44        4.22726                    477145.77
3655824.22        3.67013
         477163.44    3655824.22        3.75739                    477181.11
3655824.22        3.83603
         477198.78    3655824.22        3.91876                    477216.45
3655824.22        3.99782
         477304.80    3655824.22        4.11739                    477322.47
3655824.22        4.16817
         477393.15    3655824.22        4.54406                    477410.82
3655824.22        4.67220
         477428.49    3655824.22        4.77379                    477145.77
3655852.00        3.89611
         477163.44    3655852.00        4.00049                    477181.11
3655852.00        4.09743
         477198.78    3655852.00        4.19741                    477287.13
3655852.00        4.46650
         477304.80    3655852.00        4.54496                    477340.14
3655852.00        4.70213
         477357.81    3655852.00        4.80871                    477375.48
3655852.00        4.88816
         477428.49    3655852.00        5.29300                    477145.77
3655879.78        4.10750
         477163.44    3655879.78        4.22870                    477181.11
3655879.78        4.34321
         477269.46    3655879.78        4.79318                    477322.47
3655879.78        5.11598
         477340.14    3655879.78        5.26480                    477357.81
3655879.78        5.35457
         477375.48    3655879.78        5.34764                    477393.15
3655879.78        5.53412
         477428.49    3655879.78        5.86577                    477446.16
3655879.78        6.11046
```

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         477463.83    3655879.78        6.11998                       477481.50
3655879.78        6.22116
         477499.17    3655879.78        6.35689                       477145.77
3655907.56        4.28011
         477163.44    3655907.56        4.41953                       477181.11
3655907.56        4.56786
         477251.79    3655907.56        5.12955                       477304.80
3655907.56        5.48828
         477322.47    3655907.56        5.63409                       477340.14
3655907.56        5.87185
         477357.81    3655907.56        6.08622                       477375.48
3655907.56        6.08822
         477393.15    3655907.56        6.13186                       477428.49
3655907.56        6.57936
         477446.16    3655907.56        6.84944                       477463.83
3655907.56        7.09283
         477481.50    3655907.56        7.10665                       477499.17
3655907.56        7.19383
         477234.12    3655935.34        5.29215                       477287.13
3655935.34        5.82541
         477304.80    3655935.34        5.94392                       477322.47
3655935.34        6.25708
         477340.14    3655935.34        6.34563                       477357.81
3655935.34        6.39291
         477375.48    3655935.34        6.89310                       477393.15
3655935.34        6.82952
         477410.82    3655935.34        7.11403                       477446.16
3655935.34        7.76934
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE  28
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL      ***
                                 INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***
```

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477463.83	3655935.34	8.08618	477481.50	3655935.34	8.23128
477499.17	3655935.34	8.29058	477216.45	3655963.12	5.23206
477269.46	3655963.12	5.95409	477287.13	3655963.12	6.20071
477304.80	3655963.12	6.33600	477322.47	3655963.12	6.32842
477340.14	3655963.12	6.63760	477357.81	3655963.12	6.76696
477375.48	3655963.12	7.49035	477393.15	3655963.12	7.63960
477410.82	3655963.12	7.90392	477463.83	3655963.12	9.10443
477481.50	3655963.12	9.51894	477499.17	3655963.12	9.64363
477251.79	3655990.90	5.78484	477269.46	3655990.90	6.08839
477287.13	3655990.90	6.12675	477304.80	3655990.90	5.82382
477322.47	3655990.90	5.79713	477340.14	3655990.90	6.00642
477357.81	3655990.90	6.22868	477375.48	3655990.90	7.64078
477393.15	3655990.90	8.46897	477410.82	3655990.90	8.62356
477428.49	3655990.90	9.10280	477481.50	3655990.90	10.64405
477499.17	3655990.90	11.11027	477269.46	3656018.68	5.55502
477287.13	3656018.68	5.35746	477304.80	3656018.68	5.49816
477322.47	3656018.68	5.75041	477340.14	3656018.68	5.97203
477357.81	3656018.68	6.23447	477375.48	3656018.68	6.66298
477393.15	3656018.68	7.96945	477410.82	3656018.68	9.36885
477428.49	3656018.68	9.72772	477481.50	3656018.68	11.78880
477499.17	3656018.68	12.46949	477145.77	3656046.46	3.82780
477163.44	3656046.46	3.92485	477181.11		

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3656046.46        4.10369
         477198.78    3656046.46        4.29260                        477216.45
3656046.46        4.50314
         477269.46    3656046.46        5.11828                        477287.13
3656046.46        5.35288
         477304.80    3656046.46        5.60360                        477322.47
3656046.46        5.83536
         477340.14    3656046.46        6.04229                        477357.81
3656046.46        6.29775
         477375.48    3656046.46        6.61233                        477393.15
3656046.46        7.96189
         477410.82    3656046.46        8.84182                        477428.49
3656046.46       10.06892
         477446.16    3656046.46       11.01068                        477499.17
3656046.46       13.34665
         477145.77    3656074.24        3.58338                        477163.44
3656074.24        3.78581
         477181.11    3656074.24        3.98251                        477198.78
3656074.24        4.16288
         477216.45    3656074.24        4.30551                        477234.12
3656074.24        4.50609
         477287.13    3656074.24        5.28344                        477304.80
3656074.24        5.43172
         477322.47    3656074.24        5.62558                        477340.14
3656074.24        5.65656
         477357.81    3656074.24        5.62865                        477375.48
3656074.24        5.81720
         477393.15    3656074.24        6.57691                        477410.82
3656074.24        8.43909
         477428.49    3656074.24        9.20398                        477446.16
3656074.24       10.51239
         477463.83    3656074.24       12.06182                        477481.50
3656074.24       12.93023
         477499.17    3656074.24       13.89536                        477145.77
3656102.02        3.44277
         477163.44    3656102.02        3.60075                        477181.11
3656102.02        3.70247
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  29
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
```

```
, L0000011    , L0000012    , L0000013    ,
                L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - -
         477198.78    3656102.02        3.85962                       477216.45
3656102.02        3.98913
         477234.12    3656102.02        4.16008                       477287.13
3656102.02        4.95738
         477304.80    3656102.02        5.17857                       477322.47
3656102.02        4.82510
         477340.14    3656102.02        4.93109                       477357.81
3656102.02        5.21835
         477375.48    3656102.02        5.54278                       477393.15
3656102.02        5.91822
         477410.82    3656102.02        6.95689                       477428.49
3656102.02        6.84149
         477446.16    3656102.02        9.18600                       477463.83
3656102.02       11.70692
         477481.50    3656102.02       12.25911                       477499.17
3656102.02       12.93592
         477145.77    3656129.80        3.19786                       477163.44
3656129.80        3.30877
         477181.11    3656129.80        3.44465                       477198.78
3656129.80        3.63774
         477216.45    3656129.80        3.79267                       477234.12
3656129.80        3.89362
         477251.79    3656129.80        4.03828                       477375.48
3656129.80        5.18435
         477393.15    3656129.80        5.48277                       477410.82
3656129.80        5.65159
         477428.49    3656129.80        6.86201                       477446.16
3656129.80        7.82685
         477463.83    3656129.80        9.48366                       477481.50
3656129.80        8.80511
         477499.17    3656129.80        9.71863                       477145.77
3656157.58        2.97594
         477163.44    3656157.58        2.97677                       477181.11
3656157.58        3.13774
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         477198.78    3656157.58        3.32046                        477216.45
3656157.58        3.45060
         477234.12    3656157.58        3.49313                        477251.79
3656157.58        3.53332
         477357.81    3656157.58        4.46802                        477375.48
3656157.58        4.67296
         477393.15    3656157.58        4.80791                        477410.82
3656157.58        5.11955
         477428.49    3656157.58        5.53381                        477446.16
3656157.58        5.97936
         477463.83    3656157.58        6.58947                        477481.50
3656157.58        7.00264
         477499.17    3656157.58        7.48489                        477163.44
3656185.36        2.76287
         477181.11    3656185.36        2.86532                        477198.78
3656185.36        2.93287
         477216.45    3656185.36        2.97057                        477234.12
3656185.36        3.07518
         477251.79    3656185.36        3.21117                        477269.46
3656185.36        3.37345
         477446.16    3656185.36        5.37786                        477463.83
3656185.36        5.77852
         477481.50    3656185.36        6.13453                        477499.17
3656185.36        6.67369
         477145.77    3656213.14        2.52693                        477198.78
3656213.14        2.73382
         477216.45    3656213.14        2.76730                        477234.12
3656213.14        2.85907
         477251.79    3656213.14        2.94319                        477269.46
3656213.14        3.07030
         477410.82    3656213.14        4.26194                        477428.49
3656213.14        4.54619
         477446.16    3656213.14        4.84451                        477463.83
3656213.14        5.09859
         477481.50    3656213.14        5.47200                        477499.17
3656213.14        5.97156
         477145.77    3656240.92        2.40456                        477163.44
3656240.92        2.43158
         477181.11    3656240.92        2.47775                        477234.12
3656240.92        2.66879
         477251.79    3656240.92        2.73996                        477269.46
3656240.92        2.82259
         477287.13    3656240.92        2.96592                        477304.80
3656240.92        3.10462
         477446.16    3656240.92        4.39456                        477463.83
3656240.92        4.69905
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***       20:07:49
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477481.50	3656240.92	5.05529	477499.17	3656240.92	5.44403
477145.77	3656268.70	2.30141	477163.44	3656268.70	2.32721
477181.11	3656268.70	2.34671	477198.78	3656268.70	2.39176
477216.45	3656268.70	2.46666	477269.46	3656268.70	2.67142
477287.13	3656268.70	2.75322	477322.47	3656268.70	3.05265
477340.14	3656268.70	3.19308	477463.83	3656268.70	4.39751
477481.50	3656268.70	4.69371	477499.17	3656268.70	5.01590
477163.44	3656296.48	2.25864	477181.11	3656296.48	2.29455
477198.78	3656296.48	2.33629	477216.45	3656296.48	2.32862
477234.12	3656296.48	2.37091	477251.79	3656296.48	2.45770
477304.80	3656296.48	2.75374	477322.47	3656296.48	2.88345
477340.14	3656296.48	2.99263	477357.81	3656296.48	3.14265
477481.50	3656296.48	4.34642	477499.17		

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3656296.48        4.62207
         477145.77    3656324.26        2.02102                   477198.78
3656324.26        2.19182
         477216.45    3656324.26        2.22919                   477234.12
3656324.26        2.28549
         477251.79    3656324.26        2.36833                   477269.46
3656324.26        2.44643
         477287.13    3656324.26        2.51393                   477304.80
3656324.26        2.62236
         477322.47    3656324.26        2.70941                   477340.14
3656324.26        2.81268
         477357.81    3656324.26        2.94087                   477375.48
3656324.26        3.08912
         477481.50    3656324.26        4.00187                   477499.17
3656324.26        4.24782
         477114.73    3655983.83        4.15891                   477201.58
3656328.31        2.18151
         477226.26    3656328.31        2.26291                   477250.94
3656328.31        2.35653
         477275.62    3656328.31        2.43337                   477300.30
3656328.31        2.57821
         477324.98    3656328.31        2.71150                   477349.66
3656328.31        2.85733
         477374.34    3656328.31        3.04511                   477497.74
3656328.31        4.17582
         477522.42    3656328.31        4.52069                   477547.10
3656328.31        4.96398
         477621.14    3656328.31        7.09215                   477645.82
3656328.31        8.08213
         477152.22    3656345.01        2.01362                   477201.58
3656345.01        2.15121
         477226.26    3656345.01        2.21968                   477250.94
3656345.01        2.30312
         477275.62    3656345.01        2.38336                   477300.30
3656345.01        2.50091
         477324.98    3656345.01        2.63584                   477349.66
3656345.01        2.76042
         477374.34    3656345.01        2.91619                   477497.74
3656345.01        3.98330
         477522.42    3656345.01        4.33205                   477547.10
3656345.01        4.71276
         477571.78    3656345.01        5.25235                   477596.46
3656345.01        5.88657
         477621.14    3656345.01        6.59423                   477645.82
3656345.01        7.32085
         477324.98    3656361.71        2.56699                   477349.66
3656361.71        2.66741
         477374.34    3656361.71        2.79358                   477497.74
3656361.71        3.78313
         477522.42    3656361.71        4.12069                   477547.10
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3656361.71   4.48523
         477571.78   3656361.71   4.97845   477596.46
3656361.71   5.54093
         477621.14   3656361.71   6.11964   477645.82
3656361.71   6.70177

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)   CONC   X-COORD (M)
Y-COORD (M)   CONC
 -
- -
         477324.98   3656378.41   2.48111   477349.66
3656378.41   2.59246
         477374.34   3656378.41   2.67506   477497.74
3656378.41   3.62938
         477522.42   3656378.41   3.94601   477547.10
3656378.41   4.27939
         477596.46   3656378.41   5.21042   477621.14
3656378.41   5.68523
         477645.82   3656378.41   6.13777   477152.22
3656395.11   1.90261
         477176.90   3656395.11   1.94328   477201.58
3656395.11   1.99549
         477226.26   3656395.11   2.05526   477250.94
3656395.11   2.12920
         477275.62   3656395.11   2.19407   477300.30
3656395.11   2.28417

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         477324.98    3656395.11        2.38794                    477349.66
3656395.11        2.49708
         477374.34    3656395.11        2.57178                    477448.38
3656395.11        3.01168
         477497.74    3656395.11        3.50358                    477522.42
3656395.11        3.77632
         477547.10    3656395.11        4.09808                    477571.78
3656395.11        4.46983
         477596.46    3656395.11        4.88032                    477621.14
3656395.11        5.27885
         477645.82    3656395.11        5.62635                    477152.22
3656411.81        1.81584
         477176.90    3656411.81        1.88168                    477201.58
3656411.81        1.94217
         477226.26    3656411.81        2.00716                    477250.94
3656411.81        2.05628
         477275.62    3656411.81        2.12583                    477300.30
3656411.81        2.19334
         477324.98    3656411.81        2.27509                    477349.66
3656411.81        2.36923
         477374.34    3656411.81        2.48364                    477423.70
3656411.81        2.73302
         477448.38    3656411.81        2.91428                    477497.74
3656411.81        3.37309
         477522.42    3656411.81        3.62621                    477547.10
3656411.81        3.92774
         477571.78    3656411.81        4.23207                    477596.46
3656411.81        4.58127
         477621.14    3656411.81        4.90143                    477645.82
3656411.81        5.16467
         477152.22    3656428.51        1.78803                    477176.90
3656428.51        1.85119
         477201.58    3656428.51        1.90629                    477226.26
3656428.51        1.95307
         477250.94    3656428.51        2.00340                    477275.62
3656428.51        2.07290
         477300.30    3656428.51        2.13163                    477324.98
3656428.51        2.21002
         477349.66    3656428.51        2.30684                    477374.34
3656428.51        2.41878
         477497.74    3656428.51        3.25174                    477522.42
3656428.51        3.49046
         477547.10    3656428.51        3.75695                    477571.78
3656428.51        3.99856
         477596.46    3656428.51        4.29601                    477621.14
3656428.51        4.56437
         477645.82    3656428.51        4.75061                    477497.74
3656445.21        3.13031
         477522.42    3656445.21        3.35228                    477547.10
3656445.21        3.58971
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         477571.78    3656445.21        3.78376                       477596.46
3656445.21        4.03068
         477621.14    3656445.21        4.24766                       477645.82
3656445.21        4.38308
         477152.22    3656461.91        1.63337                       477497.74
3656461.91        3.00206
         477522.42    3656461.91        3.20657                       477547.10
3656461.91        3.41926
         477571.78    3656461.91        3.58099                       477596.46
3656461.91        3.78353
         477621.14    3656461.91        3.95609                       477645.82
3656461.91        4.05464
         477152.22    3656478.61        1.58654                       477497.74
3656478.61        2.89021
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  32
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                   ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         477522.42    3656478.61        3.07281                       477547.10
3656478.61        3.25193
         477571.78    3656478.61        3.40923                       477596.46
3656478.61        3.55067
         477621.14    3656478.61        3.68927                       477645.82
3656478.61        3.75251
         477152.22    3656495.31        1.55388                       477497.74
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3656495.31        3.33445
         477621.14    3656495.31        3.44305                    477645.82
3656495.31        3.48242
         477152.22    3656512.01        1.51143                    477176.90
3656512.01        1.55129
         477300.30    3656512.01        1.78153                    477324.98
3656512.01        1.86215
         477349.66    3656512.01        1.96328                    477374.34
3656512.01        2.07244
         477399.02    3656512.01        2.19743                    477522.42
3656512.01        2.79753
         477547.10    3656512.01        2.93062                    477571.78
3656512.01        3.05145
         477596.46    3656512.01        3.13389                    477621.14
3656512.01        3.20813
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3656528.71        1.47581
         477300.30    3656528.71        1.75333                    477324.98
3656528.71        1.82607
         477349.66    3656528.71        1.92290                    477374.34
3656528.71        2.02800
         477399.02    3656528.71        2.14103                    477522.42
3656528.71        2.67908
         477547.10    3656528.71        2.79554                    477571.78
3656528.71        2.89085
         477596.46    3656528.71        2.96822                    477621.14
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         477645.82    3656528.71        3.02493                    477176.90
3656545.41        1.41383
         477300.30    3656545.41        1.71858                    477324.98
3656545.41        1.79148
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3656545.41        1.99480
         477399.02    3656545.41        2.08779                    477423.70
3656545.41        2.18065
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3656545.41        2.65929
         477571.78    3656545.41        2.73365                    477596.46
3656545.41        2.80932
         477621.14    3656545.41        2.84202                    477645.82
3656545.41        2.83384
         477176.90    3656562.11        1.39514                    477300.30
3656562.11        1.68929
         477324.98    3656562.11        1.76003                    477349.66
3656562.11        1.84487
         477374.34    3656562.11        1.93829                    477399.02
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         477547.10    3656562.11        2.52576                       477571.78
3656562.11        2.58802
         477596.46    3656562.11        2.65495                       477621.14
3656562.11        2.68469
         477645.82    3656562.11        2.65911                       477176.90
3656578.81        1.36400
         477201.58    3656578.81        1.41673                       477324.98
3656578.81        1.72796
         477349.66    3656578.81        1.80652                       477374.34
3656578.81        1.89417
         477399.02    3656578.81        1.98793                       477423.70
3656578.81        2.07809
         477547.10    3656578.81        2.40268                       477571.78
3656578.81        2.46641
         477596.46    3656578.81        2.50350                       477621.14
3656578.81        2.52875
         477645.82    3656578.81        2.49761                       477201.58
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         477547.10    3656595.51        2.28635                       477571.78
3656595.51        2.33789
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE  33
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                          X-COORD (M)
Y-COORD (M)        CONC
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- -

477596.46 3656595.51 2.37483 477621.14
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477645.82 3656595.51 2.34728 477152.22
3656612.21 1.22861
477201.58 3656612.21 1.31642 477547.10
3656612.21 2.17605
477571.78 3656612.21 2.22269 477596.46
3656612.21 2.24893
477621.14 3656612.21 2.23000 477645.82
3656612.21 2.20699
477152.22 3656628.91 1.18884 477201.58
3656628.91 1.29451
477547.10 3656628.91 2.08021 477571.78
3656628.91 2.10060
477596.46 3656628.91 2.11249 477621.14
3656628.91 2.10702
477645.82 3656628.91 2.07451 477152.22
3656645.61 1.17489
477226.26 3656645.61 1.29426 477250.94
3656645.61 1.31638
477571.78 3656645.61 1.98054 477596.46
3656645.61 1.99762
477621.14 3656645.61 1.99954 477645.82
3656645.61 1.95840
477152.22 3656662.31 1.15440 477176.90
3656662.31 1.20176
477226.26 3656662.31 1.26830 477250.94
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477275.62 3656662.31 1.31488 477300.30
3656662.31 1.37395
477571.78 3656662.31 1.87851 477596.46
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477621.14 3656662.31 1.89156 477645.82
3656662.31 1.85651
477421.18 3656372.58 2.98729 477559.28
3656388.35 4.35539
477319.87 3656674.00 1.39136 477343.98
3656677.77 1.42888
477368.09 3656684.55 1.46309 477396.72
3656689.07 1.50938
477431.37 3656698.86 1.54643 477571.50
3656690.58 1.72287
477603.90 3656690.58 1.73767 477657.39
3656687.56 1.70731
477758.40 3656642.79 3.41821 477748.60
3656612.31 4.17456
477888.11 3655990.04 14.46561 477889.39
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         477495.55    3655776.15        3.97049                        477449.77
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         477442.36    3655709.78        3.03077                        477442.36
3655666.75        2.66591
         477505.29    3655671.84        2.75749                        477564.51
3655701.92        3.27273
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3655648.79        2.68976
         477681.81    3655648.79        2.67808                        477701.81
3655648.79        2.71712
         477721.81    3655648.79        2.75536                        477941.81
3655648.79        2.38740
         477961.81    3655648.79        2.35402                        477981.81
3655648.79        2.33309
         478001.81    3655648.79        2.28336                        477601.81
3655668.79        2.92213
         477621.81    3655668.79        2.90890                        477641.81
3655668.79        2.88157
         477661.81    3655668.79        2.88127                        477681.81
3655668.79        2.88736
         477701.81    3655668.79        2.91344                        477721.81
3655668.79        2.93369
         477941.81    3655668.79        2.56067                        477961.81
3655668.79        2.52046
         477981.81    3655668.79        2.48151                        478001.81
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         477601.81    3655688.79        3.13743                        477621.81
3655688.79        3.11117
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                    INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,
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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477641.81	3655688.79	3.12124	477721.81	3655688.79	3.20026
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477961.81	3655688.79	2.68504	477981.81	3655688.79	2.63757
478001.81	3655688.79	2.58635	477601.81	3655708.79	3.38121
477621.81	3655708.79	3.39001	477641.81	3655708.79	3.41429
477721.81	3655708.79	3.45971	477941.81	3655708.79	2.92865
477961.81	3655708.79	2.88046	477981.81	3655708.79	2.81967
478001.81	3655708.79	2.76255	477601.81	3655728.79	3.69111
477621.81	3655728.79	3.73133	477641.81	3655728.79	3.66117
477721.81	3655728.79	3.71516	477941.81	3655728.79	3.14326
477961.81	3655728.79	3.08413	477981.81	3655728.79	3.01266
478001.81	3655728.79	2.94626	477601.81	3655748.79	4.03477
477761.81	3655748.79	3.94612	477821.81	3655748.79	3.75454
477841.81	3655748.79	3.68684	477861.81	3655748.79	3.62719
477881.81	3655748.79	3.57737	477901.81	3655748.79	3.51318
477941.81	3655748.79	3.37589	477961.81	3655748.79	3.30835
477981.81	3655748.79	3.23238	478001.81	3655748.79	3.14961
477601.81	3655768.79	4.43118	477761.81	3655768.79	4.33808
477821.81	3655768.79	4.07426	477841.81	3655768.79	3.99839
477861.81	3655768.79	3.95431	477881.81		

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3655768.79        3.64632
         477961.81    3655768.79        3.56866                        477981.81
3655768.79        3.47365
         478001.81    3655768.79        3.37650                        477601.81
3655788.79        4.92981
         477761.81    3655788.79        4.69969                        477821.81
3655788.79        4.43140
         477841.81    3655788.79        4.37541                        477861.81
3655788.79        4.31399
         477881.81    3655788.79        4.22855                        477901.81
3655788.79        4.15482
         477941.81    3655788.79        3.96141                        477961.81
3655788.79        3.85258
         477981.81    3655788.79        3.75145                        478001.81
3655788.79        3.63918
         477601.81    3655808.79        5.38738                        477761.81
3655808.79        5.19243
         477781.81    3655808.79        5.10068                        477801.81
3655808.79        4.97751
         477821.81    3655808.79        4.89831                        477841.81
3655808.79        4.83390
         477861.81    3655808.79        4.72863                        477881.81
3655808.79        4.63432
         477901.81    3655808.79        4.52771                        477941.81
3655808.79        4.31438
         477961.81    3655808.79        4.19331                        477981.81
3655808.79        4.08411
         478001.81    3655808.79        3.92803                        477601.81
3655828.79        5.94880
         477621.81    3655828.79        6.12547                        477641.81
3655828.79        6.20487
         477661.81    3655828.79        6.32701                        477681.81
3655828.79        6.37859
         477701.81    3655828.79        6.48558                        477721.81
3655828.79        6.48799
         477741.81    3655828.79        6.03358                        477761.81
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         477781.81    3655828.79        5.64994                        477801.81
3655828.79        5.50846
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE  35
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                             *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
```

VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002
, L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010
, L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018
, L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026
, L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10 IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477821.81	3655828.79	5.41424	477841.81	3655828.79	5.33918
477861.81	3655828.79	5.20501	477881.81	3655828.79	5.08581
477901.81	3655828.79	4.96774	477921.81	3655828.79	4.85197
477941.81	3655828.79	4.71499	477961.81	3655828.79	4.56323
477981.81	3655828.79	4.42363	478001.81	3655828.79	4.25821
477601.81	3655848.79	6.58900	477621.81	3655848.79	6.73112
477641.81	3655848.79	6.83134	477661.81	3655848.79	6.95380
477681.81	3655848.79	7.03428	477701.81	3655848.79	7.13232
477721.81	3655848.79	7.22029	477741.81	3655848.79	6.73214
477761.81	3655848.79	6.45184	477781.81	3655848.79	6.31213
477801.81	3655848.79	6.25385	477821.81	3655848.79	6.06950
477841.81	3655848.79	5.91587	477861.81	3655848.79	5.74806
477881.81	3655848.79	5.62866	477901.81	3655848.79	5.48375
477921.81	3655848.79	5.33668	477941.81	3655848.79	5.17039
477961.81	3655848.79	4.99596	477981.81	3655848.79	4.81144

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3655868.79        7.27845
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3655868.79        7.54611
         477661.81    3655868.79        7.66956                    477681.81
3655868.79        7.72853
         477701.81    3655868.79        7.90324                    477721.81
3655868.79        7.91076
         477741.81    3655868.79        7.32294                    477761.81
3655868.79        7.13132
         477781.81    3655868.79        7.13067                    477801.81
3655868.79        7.02156
         477821.81    3655868.79        6.77421                    477841.81
3655868.79        6.58701
         477861.81    3655868.79        6.43454                    477881.81
3655868.79        6.24604
         477901.81    3655868.79        6.08942                    477921.81
3655868.79        5.90911
         477941.81    3655868.79        5.69570                    477961.81
3655868.79        5.49920
         477981.81    3655868.79        5.26708                    478001.81
3655868.79        5.05190
         477601.81    3655888.79        8.01420                    477621.81
3655888.79        8.25619
         477641.81    3655888.79        8.19241                    477661.81
3655888.79        8.30654
         477681.81    3655888.79        8.77768                    477701.81
3655888.79        8.79062
         477721.81    3655888.79        8.42157                    477741.81
3655888.79        8.24168
         477761.81    3655888.79        8.01333                    477781.81
3655888.79        7.94822
         477801.81    3655888.79        7.88962                    477821.81
3655888.79        7.72398
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3655888.79        6.81510
         477921.81    3655888.79        6.56939                    477941.81
3655888.79        6.32409
         477961.81    3655888.79        6.08138                    477981.81
3655888.79        5.79428
         478001.81    3655888.79        5.53996                    477601.81
3655908.79        8.98875
         477621.81    3655908.79        9.25158                    477641.81
3655908.79        9.14046
         477661.81    3655908.79        9.22138                    477681.81
3655908.79        9.76791
         477701.81    3655908.79       10.04817                    477721.81
3655908.79        9.69139
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (26304 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
477741.81	3655908.79	9.49610	477761.81	3655908.79	9.60470
477781.81	3655908.79	9.20412	477801.81	3655908.79	8.99956
477821.81	3655908.79	8.89568	477841.81	3655908.79	8.48111
477861.81	3655908.79	8.22268	477881.81	3655908.79	7.93899
477901.81	3655908.79	7.66137	477921.81	3655908.79	7.36295
477941.81	3655908.79	7.04936	477961.81	3655908.79	6.74617
477981.81	3655908.79	6.41279	478001.81	3655908.79	6.09929
477601.81	3655928.79	10.09010	477621.81	3655928.79	10.37058
477641.81	3655928.79	9.68482	477661.81	3655928.79	9.08440
477681.81	3655928.79	10.27727	477701.81	3655928.79	11.34747
477721.81	3655928.79	11.21587	477741.81		

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3655928.79       10.93523
         477761.81    3655928.79       11.07874                       477781.81
3655928.79       10.88203
         477801.81    3655928.79       10.45930                       477821.81
3655928.79       10.32700
         477841.81    3655928.79        9.86024                       477861.81
3655928.79        9.41735
         477881.81    3655928.79        9.09627                       477901.81
3655928.79        8.71395
         477921.81    3655928.79        8.30877                       477941.81
3655928.79        7.90861
         477961.81    3655928.79        7.52893                       477981.81
3655928.79        7.12569
         478001.81    3655928.79        6.74856                       477601.81
3655948.79       11.41160
         477621.81    3655948.79       11.55928                       477641.81
3655948.79       10.35191
         477661.81    3655948.79       10.19060                       477681.81
3655948.79       10.60475
         477701.81    3655948.79       12.96261                       477721.81
3655948.79       13.29279
         477741.81    3655948.79       13.03970                       477761.81
3655948.79       13.01450
         477781.81    3655948.79       12.83275                       477801.81
3655948.79       12.22666
         477821.81    3655948.79       11.93009                       477841.81
3655948.79       11.43338
         477861.81    3655948.79       10.92404                       477881.81
3655948.79       10.48047
         477901.81    3655948.79        9.98628                       477921.81
3655948.79        9.50814
         477941.81    3655948.79        8.95864                       477961.81
3655948.79        8.46359
         477981.81    3655948.79        7.99226                       478001.81
3655948.79        7.51587
         477601.81    3655968.79       12.89651                       477621.81
3655968.79       12.88439
         477641.81    3655968.79       12.06993                       477661.81
3655968.79       11.79532
         477681.81    3655968.79       11.85848                       477701.81
3655968.79       14.96549
         477721.81    3655968.79       15.87888                       477741.81
3655968.79       16.42906
         477761.81    3655968.79       16.20895                       477781.81
3655968.79       15.44731
         477801.81    3655968.79       14.52110                       477821.81
3655968.79       13.94376
         477841.81    3655968.79       13.51920                       477861.81
3655968.79       12.85918
         477881.81    3655968.79       12.35215                       477901.81
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3655968.79       11.57017
         477921.81    3655968.79       10.93097                       477941.81
3655968.79       10.25626
         477961.81    3655968.79        9.60553                       477981.81
3655968.79        9.01228
         478001.81    3655968.79        8.39840                       477601.81
3655988.79       13.77799
         477621.81    3655988.79       13.65589                       477641.81
3655988.79       13.79706
↑ *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                   PAGE  37
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                      *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

       X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
         477661.81    3655988.79       13.82169                       477681.81
3655988.79       14.05576
         477701.81    3655988.79       17.95101                       477721.81
3655988.79       19.12160
         477741.81    3655988.79       19.54388                       477761.81
3655988.79       19.76364
         477781.81    3655988.79       17.98018                       477801.81
3655988.79       17.48349
         477821.81    3655988.79       16.76796                       477841.81
3655988.79       16.27323
         477861.81    3655988.79       15.45881                       477881.81
3655988.79       14.57221
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         477901.81    3655988.79       13.71017                    477921.81
3655988.79       12.69138
         477941.81    3655988.79       11.85570                    477961.81
3655988.79       11.00499
         477981.81    3655988.79       10.23564                    478001.81
3655988.79        9.47386
         477601.81    3656008.79       14.99352                    477621.81
3656008.79       14.80733
         477641.81    3656008.79       15.97686                    477661.81
3656008.79       17.87252
         477681.81    3656008.79       18.67231                    477701.81
3656008.79       21.57638
         477721.81    3656008.79       23.24616                    477741.81
3656008.79       23.54804
         477761.81    3656008.79       22.41915                    477781.81
3656008.79       21.67597
         477801.81    3656008.79       21.56905                    477821.81
3656008.79       20.76571
         477841.81    3656008.79       19.97036                    477861.81
3656008.79       18.81587
         477881.81    3656008.79       17.62083                    477901.81
3656008.79       16.55862
         477921.81    3656008.79       15.22790                    477941.81
3656008.79       13.85480
         477961.81    3656008.79       12.72697                    477981.81
3656008.79       11.73871
         478001.81    3656008.79       10.78912                    477601.81
3656028.79       15.65463
         477621.81    3656028.79       15.73042                    477641.81
3656028.79       17.69735
         477661.81    3656028.79       21.58558                    477681.81
3656028.79       24.16704
         477701.81    3656028.79       26.28099                    477721.81
3656028.79       28.32590
         477741.81    3656028.79       29.04639                    477761.81
3656028.79       28.30215
         477781.81    3656028.79       28.31469                    477801.81
3656028.79       27.49160
         477821.81    3656028.79       26.86498                    477841.81
3656028.79       25.46134
         477861.81    3656028.79       23.96787                    477881.81
3656028.79       22.18344
         477901.81    3656028.79       20.03707                    477921.81
3656028.79       18.35470
         477941.81    3656028.79       16.43231                    477961.81
3656028.79       14.97715
         477981.81    3656028.79       13.61454                    478001.81
3656028.79       12.51514
         477601.81    3656048.79       14.86318                    477621.81
3656048.79       15.36656
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         477641.81    3656048.79       20.32187                       477661.81
3656048.79       27.13190
         477681.81    3656048.79       30.29011                       477701.81
3656048.79       33.25175
         477721.81    3656048.79       35.25210                       477741.81
3656048.79       36.83808
         477761.81    3656048.79       37.44321                       477781.81
3656048.79       38.25303
         477801.81    3656048.79       37.42808                       477821.81
3656048.79       36.41694
         477841.81    3656048.79       34.40307                       477861.81
3656048.79       31.48135
         477881.81    3656048.79       28.35294                       477901.81
3656048.79       25.05908
         477921.81    3656048.79       22.44218                       477941.81
3656048.79       20.03280
         477961.81    3656048.79       17.95969                       477981.81
3656048.79       16.01747
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                 PAGE  38
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE PERIOD ( 26304 HRS) AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL       ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)   Y-COORD (M)        CONC                        X-COORD (M)
Y-COORD (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - -
         478001.81    3656048.79       14.52343                       477912.66
3655638.19       2.35217
         477940.84    3655629.86        2.25461                       477970.87
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3655616.86        2.12817
         477725.92    3655737.71        3.84127                        477803.76
3655734.98        3.61937
         478027.75    3656091.03       17.20500                        478041.36
3656113.34       18.50043
         478060.95    3656112.26       15.96941                        478037.00
3656044.76       11.78256
         478025.57    3656015.90       10.25137                        478021.21
3655996.85        9.25279
         478014.68    3655971.27        8.17720                        478067.48
3656028.42        9.30243
         478072.38    3656050.20       10.27388                        478060.95
3656005.02        8.37538
         478059.32    3655962.56        6.70966                        478151.32
3656028.97        6.92394
         478160.57    3656063.26        7.66125                        478204.12
3656046.39        6.13871
         478192.14    3656007.74        5.59250                        478130.09
3655980.52        6.00808
         478178.53    3655965.82        4.90932                        478105.59
3655906.49        4.60602
         478186.15    3655923.91        4.11524                        478197.58
3656141.65        8.13733
         478219.90    3656168.87        7.56627                        478080.55
3656204.25       16.71251
         478080.55    3656204.25       16.71251                        478290.67
3655984.33        4.06478
         478302.10    3656030.60        4.35744                        478226.86
3655930.20        3.95635
         478267.37    3655927.05        3.58841                        478303.55
3655891.66        2.94570
         478316.92    3655919.97        3.12970                        478169.04
3655874.35        3.64743
         478202.87    3655862.94        3.40372                        478245.74
3655855.47        3.00649
         478039.25    3655857.38        4.44128                        478104.58
3655853.02        3.78556
         478114.48    3655865.62        3.86905

 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  39
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
```

, L0000003   , L0000004   , L0000005   ,
L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

*** DISCRETE CARTESIAN RECEPTOR POINTS
***

** CONC OF PM_10   IN MICROGRAMS/M**3
**

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477841.42	3656223.07	357.02372	(19120715)	477884.09	3656215.48	327.28187	(19120715)
477799.16	3656239.28	354.20775	(21011718)	477767.77	3656252.20	378.61645	(21122316)
477881.27	3656161.04	371.38200	(20063007)	477928.70	3656143.00	238.75388	(21010516)
477877.59	3656112.60	350.49111	(19051018)	477859.22	3656047.80	215.97511	(19121518)
477843.19	3656065.17	346.06877	(19120716)	477822.81	3656055.81	399.45051	(19120716)
477769.69	3656067.17	285.10621	(19120616)	477723.93	3656083.21	358.26493	(19120616)
477686.85	3656091.89	239.82765	(19120616)	477657.45	3656112.94	232.48407	(21011422)
477613.02	3656131.64	224.46664	(19121221)	477697.85	3656267.16	307.85388	(21022320)
477940.95	3656208.14	206.36539	(19021217)	477968.46	3656121.68	171.18326	(21010516)
477929.95	3656071.37	186.52200	(19051018)	477929.95	3656071.37	186.52200	(19051018)
477909.12	3656026.18	152.33865	(19020718)	477551.47	3656176.31	155.81269	(20022519)
477556.58	3656193.99	162.13256	(21052506)	477563.65	3656214.04	166.25871	(21012103)
477568.37	3656233.30	170.31173	(20022423)	477575.84	3656249.80	175.57376	(20021008)
477732.03	3656324.49	234.32481	(19120722)	477771.22	3656319.93	245.21408	(20120720)
477799.28	3656302.26	233.33795	(19120718)	477848.01	3656278.80	229.23914	(20012318)
477855.40	3656303.97	196.07991	(20012318)	477662.28	3656312.36	199.24611	(20063006)

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        477646.69   3656291.64      199.91289  (20020721)                477595.93
3656279.18      178.80631  (20101707)
        477601.71   3656295.67      174.87296  (20042606)                477613.11
3656310.25      172.76929  (20100201)
        477616.82   3656345.21      159.83202  (20063006)                477618.05
3656360.60      155.21809  (20063006)
        477656.63   3656372.50      155.90364  (19102120)                477693.56
3656356.70      168.30348  (19012719)
        477826.11   3656362.04      165.83303  (19010818)                477760.56
3656385.54      175.13106  (19033121)
        477685.56   3656397.61      144.36332  (21120824)                477529.12
3656164.51      143.90367  (20022519)
        477507.50   3656168.05      136.38263  (20022519)                477912.17
3656272.01      191.16836  (20101417)
        477898.42   3656260.31      222.06479  (20101417)                477991.80
3656212.32      139.44207  (19011618)
        477524.85   3656024.54      132.76476  (20022718)                477517.81
3655938.11       83.23917  (21122921)
        477507.57   3655899.06       72.60747  (21011706)                477512.69
3655838.24       65.07313  (19120616)
        477570.95   3655927.23      102.98457  (19120616)                477586.31
3655965.64      121.27368  (20020122)
        477585.03   3656041.82      170.22242  (21011322)                477594.63
3656082.15      161.96247  (21011721)
        477556.22   3655822.24       62.59251  (19121718)                477568.39
3655878.57       83.15030  (19120616)
        477543.42   3655763.34       52.16485  (19120702)                477533.71
3656261.02      150.10256  (20021008)
        477515.67   3656264.72      141.57865  (20021008)                477538.79
3656296.18      147.15532  (20101707)
        477553.60   3656327.17      141.17271  (20042606)                477555.45
3656350.29      134.78636  (20122220)
        477800.31   3656428.13      144.31481  (21010808)                477875.86
3656385.24      134.17633  (20012318)
        477831.04   3656391.64      146.47328  (19010818)                477898.26
3656364.11      127.32071  (21120119)
        477933.48   3656357.07      121.85032  (20101417)                477932.20
3656435.18       83.12894  (21120119)
        478012.87   3656438.38       68.47693  (20021118)                477838.08
3656479.35      104.55948  (19010818)
        477877.14   3656481.27       87.03677  (20122119)                477858.57
3656540.18       81.68345  (20120917)
        477797.10   3656557.46       99.49078  (21010808)                477980.86
3656506.24       62.06840  (21120119)
        478021.83   3656533.14       55.35194  (21120119)                478071.77
3656518.41       50.08208  (20021118)
        478101.22   3656514.57       49.08547  (19013019)                478071.13
3656478.71       55.44662  (19013019)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478062.17	3656435.82	60.96000	(19013019)	478019.91	3656485.12	61.19884	(21120119)
477516.52	3656524.97	89.68884	(21020924)	477145.77	3655768.66	59.34605	(21011620)
477163.44	3655768.66	56.15079	(19120705)	477181.11	3655768.66	56.27698	(19120705)
477198.78	3655768.66	56.85274	(21011622)	477216.45	3655768.66	59.43691	(19120717)
477357.81	3655768.66	44.50058	(21011706)	477393.15	3655768.66	46.75681	(21011706)
477410.82	3655768.66	47.75346	(21011501)	477428.49	3655768.66	46.03927	(21011501)
477145.77	3655796.44	59.83338	(20021524)	477163.44	3655796.44	58.39728	(19011102)
477181.11	3655796.44	58.88236	(19011923)	477198.78	3655796.44	59.91232	(19011923)
477216.45	3655796.44	61.67264	(19120705)	477340.14	3655796.44	45.41934	(19012503)
477393.15	3655796.44	50.56124	(21011706)	477410.82	3655796.44	50.87783	(21011706)
477428.49	3655796.44	50.61182	(21011706)	477145.77	3655824.22	59.87430	(20020120)
477163.44	3655824.22	60.03746	(20122022)	477181.11			

3655824.22 60.36188 (20122022)
477198.78 3655824.22 61.86266 (19011102) 477216.45
3655824.22 63.92903 (19011923)
477304.80 3655824.22 48.96110 (19120704) 477322.47
3655824.22 48.58412 (21011723)
477393.15 3655824.22 52.82242 (20020122) 477410.82
3655824.22 55.25450 (20020122)
477428.49 3655824.22 56.83554 (21011706) 477145.77
3655852.00 61.22099 (19012619)
477163.44 3655852.00 61.21562 (20020120) 477181.11
3655852.00 62.27432 (20020120)
477198.78 3655852.00 64.89922 (20122022) 477287.13
3655852.00 55.12698 (21011421)
477304.80 3655852.00 54.57803 (21011421) 477340.14
3655852.00 53.66521 (19120704)
477357.81 3655852.00 54.51279 (19120704) 477375.48
3655852.00 54.85679 (21011723)
477428.49 3655852.00 59.84000 (20020122) 477145.77
3655879.78 62.27906 (20013021)
477163.44 3655879.78 63.74328 (19012619) 477181.11
3655879.78 65.86038 (19012619)
477269.46 3655879.78 60.16151 (20022718) 477322.47
3655879.78 60.72350 (21011421)
477340.14 3655879.78 62.17026 (21011421) 477357.81
3655879.78 60.85153 (21011421)
477375.48 3655879.78 57.11974 (19120704) 477393.15
3655879.78 59.49780 (19120704)
477428.49 3655879.78 63.16812 (21011723) 477446.16
3655879.78 67.20874 (21122921)
477463.83 3655879.78 64.95697 (20020122) 477481.50
3655879.78 66.24552 (21011706)
477499.17 3655879.78 67.84447 (21011706) 477145.77
3655907.56 64.35208 (20012601)
477163.44 3655907.56 65.76399 (21012121) 477181.11
3655907.56 66.99738 (21012121)
477251.79 3655907.56 67.95570 (20120219) 477304.80
3655907.56 66.48883 (20022718)
477322.47 3655907.56 66.65965 (20022718) 477340.14
3655907.56 71.30727 (20010619)
477357.81 3655907.56 75.23226 (20010619) 477375.48
3655907.56 68.08243 (21011421)
477393.15 3655907.56 64.67842 (21011421) 477428.49
3655907.56 68.53622 (19120704)
477446.16 3655907.56 72.43990 (19011924) 477463.83
3655907.56 75.63698 (21011723)
477481.50 3655907.56 71.87343 (21122921) 477499.17
3655907.56 72.00719 (20020122)
477234.12 3655935.34 73.45379 (20122021) 477287.13
3655935.34 73.77059 (20022521)
477304.80 3655935.34 71.85267 (20022521) 477322.47

 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

                               *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        477463.83   3655935.34   84.64090 (21011421)   477481.50
3655935.34   82.21647 (19011924)
        477499.17   3655935.34   79.36830 (21011723)   477216.45
3655963.12   75.52352 (21012107)
        477269.46   3655963.12   78.91782 (20010320)   477287.13
3655963.12   80.80633 (20122021)
        477304.80   3655963.12   88.35516 (21012121)   477322.47
3655963.12   93.43572 (20010408)
        477340.14   3655963.12   95.42349 (20121519)   477357.81
3655963.12   99.09970 (21011519)
        477375.48   3655963.12   98.82861 (19012619)   477393.15
3655963.12   80.35252 (21011424)
        477410.82   3655963.12   81.21841 (21011424)   477463.83
3655963.12   95.00428 (20010619)

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        477481.50   3655963.12      100.04044  (21011421)              477499.17
3655963.12       90.79793  (21011421)
        477251.79   3655990.90       81.77857  (21011803)              477269.46
3655990.90       83.58378  (21012107)
        477287.13   3655990.90       89.13992  (20022420)              477304.80
3655990.90       92.26985  (21011804)
        477322.47   3655990.90       93.31078  (21011804)              477340.14
3655990.90       95.25662  (19120301)
        477357.81   3655990.90       98.15465  (20010408)              477375.48
3655990.90      104.99348  (20010408)
        477393.15   3655990.90       99.39493  (20122021)              477410.82
3655990.90       86.92826  (19012601)
        477428.49   3655990.90       92.78681  (20022521)              477481.50
3655990.90      110.33265  (20022718)
        477499.17   3655990.90      106.24469  (20010619)              477269.46
3656018.68       89.44163  (20120218)
        477287.13   3656018.68       89.38592  (21021923)              477304.80
3656018.68       91.26341  (21021923)
        477322.47   3656018.68       94.12273  (20021721)              477340.14
3656018.68       96.49132  (20021721)
        477357.81   3656018.68       98.68377  (21011804)              477375.48
3656018.68      103.04571  (21011804)
        477393.15   3656018.68      110.88712  (21011804)              477410.82
3656018.68      111.44744  (20010320)
        477428.49   3656018.68      117.26112  (20012601)              477481.50
3656018.68      123.23543  (19120123)
        477499.17   3656018.68      128.04739  (19012619)              477145.77
3656046.46       73.93217  (19012904)
        477163.44   3656046.46       75.81820  (19120602)              477181.11
3656046.46       77.70024  (19120602)
        477198.78   3656046.46       79.73079  (21012102)              477216.45
3656046.46       82.39898  (21012102)
        477269.46   3656046.46       89.57912  (20121818)              477287.13
3656046.46       91.81915  (20120218)
        477304.80   3656046.46       94.96946  (20120218)              477322.47
3656046.46       97.67170  (20120218)
        477340.14   3656046.46       99.72553  (20120218)              477357.81
3656046.46      101.63219  (20120218)
        477375.48   3656046.46      104.38463  (19011822)              477393.15
3656046.46      112.63312  (21120601)
        477410.82   3656046.46      117.33409  (20013123)              477428.49
3656046.46      121.45814  (20013123)
        477446.16   3656046.46      124.78268  (21012107)              477499.17
3656046.46      141.28238  (19121307)
        477145.77   3656074.24       75.06067  (19021219)              477163.44
3656074.24       77.19260  (19021219)
        477181.11   3656074.24       79.35966  (19021219)              477198.78
3656074.24       81.54951  (19021219)
        477216.45   3656074.24       83.66562  (19012904)              477234.12
3656074.24       86.08821  (19012904)
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 ,
L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477198.78	3656102.02	81.83786	(19011824)	477216.45	3656102.02	83.64163	(19011824)
477234.12	3656102.02	85.66200	(20011822)	477287.13	3656102.02	94.70650	(20011822)
477304.80	3656102.02	97.76954	(19021219)	477322.47			

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3656102.02       96.39968  (19011922)
        477340.14   3656102.02       97.44572  (19011922)                477357.81
3656102.02      100.22140  (19011922)
        477375.48   3656102.02      103.06941  (19011922)                477393.15
3656102.02      106.09369  (19011922)
        477410.82   3656102.02      115.65673  (19011922)                477428.49
3656102.02      113.89222  (20121624)
        477446.16   3656102.02      131.55015  (19120602)                477463.83
3656102.02      140.22199  (21022321)
        477481.50   3656102.02      147.55524  (21010708)                477499.17
3656102.02      154.36607  (21010708)
        477145.77   3656129.80       75.68418  (21012101)                477163.44
3656129.80       77.48186  (21012101)
        477181.11   3656129.80       79.42509  (21012101)                477198.78
3656129.80       81.86603  (20011520)
        477216.45   3656129.80       84.42059  (20011520)                477234.12
3656129.80       86.89163  (20011520)
        477251.79   3656129.80       89.44306  (20011520)                477375.48
3656129.80      104.50263  (20011520)
        477393.15   3656129.80      107.34737  (20012121)                477410.82
3656129.80      108.02959  (20012121)
        477428.49   3656129.80      120.83209  (20012121)                477446.16
3656129.80      128.79694  (20012121)
        477463.83   3656129.80      140.78089  (19011824)                477481.50
3656129.80      136.87353  (19011922)
        477499.17   3656129.80      144.22187  (19011922)                477145.77
3656157.58       75.89592  (20022519)
        477163.44   3656157.58       77.59008  (20022519)                477181.11
3656157.58       79.91446  (20022519)
        477198.78   3656157.58       82.39361  (20022519)                477216.45
3656157.58       84.72130  (20022519)
        477234.12   3656157.58       86.52482  (20022519)                477251.79
3656157.58       88.03966  (20022519)
        477357.81   3656157.58      101.50282  (20022519)                477375.48
3656157.58      103.82469  (20022519)
        477393.15   3656157.58      104.86187  (20022519)                477410.82
3656157.58      108.51240  (20021522)
        477428.49   3656157.58      113.38899  (20021522)                477446.16
3656157.58      118.28010  (20021522)
        477463.83   3656157.58      124.94627  (20021522)                477481.50
3656157.58      128.29277  (20021522)
        477499.17   3656157.58      132.08592  (20021522)                477163.44
3656185.36       76.18518  (20120420)
        477181.11   3656185.36       78.35400  (20120420)                477198.78
3656185.36       80.32653  (20120420)
        477216.45   3656185.36       81.98337  (20120420)                477234.12
3656185.36       84.19454  (20120420)
        477251.79   3656185.36       86.73342  (20120420)                477269.46
3656185.36       89.56267  (20120420)
        477446.16   3656185.36      121.91230  (21071906)                477463.83
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3656185.36      126.72377  (21071906)
        477481.50   3656185.36      130.16198  (21071906)                477499.17
3656185.36      135.86932  (21071906)
        477145.77   3656213.14       74.51705  (19022803)                477198.78
3656213.14       80.48277  (21052506)
        477216.45   3656213.14       82.35957  (21052506)                477234.12
3656213.14       84.61021  (21052506)
        477251.79   3656213.14       86.77712  (21052506)                477269.46
3656213.14       89.34471  (21052506)
        477410.82   3656213.14      108.99744  (21052506)                477428.49
3656213.14      112.64610  (21052506)
        477446.16   3656213.14      117.64629  (21012103)                477463.83
3656213.14      121.84407  (21012103)
        477481.50   3656213.14      127.80709  (21012103)                477499.17
3656213.14      135.15893  (21012103)
        477145.77   3656240.92       73.13972  (20120721)                477163.44
3656240.92       74.83817  (20120721)
        477181.11   3656240.92       76.65563  (20120721)                477234.12
3656240.92       82.37018  (20120721)
        477251.79   3656240.92       84.66943  (21012103)                477269.46
3656240.92       87.15686  (21012103)
        477287.13   3656240.92       90.34657  (21012103)                477304.80
3656240.92       93.41345  (21012103)
        477446.16   3656240.92      117.43870  (19022622)                477463.83
3656240.92      122.58528  (19022622)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                   PAGE  43
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                   INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10    IN MICROGRAMS/M**3
                    **
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```
      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - -
        477481.50   3656240.92      127.96802  (19022622)               477499.17
3656240.92      134.14289  (21022319)
        477145.77   3656268.70       74.75637  (21010408)               477163.44
3656268.70       76.10997  (21010408)
        477181.11   3656268.70       77.19498  (21010408)               477198.78
3656268.70       78.41946  (21010408)
        477216.45   3656268.70       80.05765  (21012103)               477269.46
3656268.70       86.21438  (19022622)
        477287.13   3656268.70       88.71030  (19022622)               477322.47
3656268.70       95.26559  (19022622)
        477340.14   3656268.70       98.00964  (19022622)               477463.83
3656268.70      120.40451  (21010603)
        477481.50   3656268.70      127.27759  (20021008)               477499.17
3656268.70      134.59211  (20021008)
        477163.44   3656296.48       75.90877  (20010618)               477181.11
3656296.48       77.38396  (20010618)
        477198.78   3656296.48       78.73551  (19022622)               477216.45
3656296.48       79.59508  (19022622)
        477234.12   3656296.48       80.66993  (19022622)               477251.79
3656296.48       83.03043  (21022319)
        477304.80   3656296.48       90.39304  (20022423)               477322.47
3656296.48       93.25249  (20022423)
        477340.14   3656296.48       95.43538  (21120603)               477357.81
3656296.48       98.54257  (21120603)
        477481.50   3656296.48      123.03056  (19012720)               477499.17
3656296.48      126.67304  (19022420)
        477145.77   3656324.26       71.46831  (20012804)               477198.78
3656324.26       77.28291  (20022423)
        477216.45   3656324.26       78.67943  (20022423)               477234.12
3656324.26       80.03780  (20022423)
        477251.79   3656324.26       82.19186  (21120603)               477269.46
3656324.26       84.01488  (21010603)
        477287.13   3656324.26       85.96425  (21010603)               477304.80
3656324.26       89.45832  (20021008)
        477322.47   3656324.26       92.59925  (20021008)               477340.14
3656324.26       95.45703  (20021008)
        477357.81   3656324.26       98.07499  (20021008)               477375.48
3656324.26      100.55509  (19012720)
        477481.50   3656324.26      122.74737  (20101707)               477499.17
3656324.26      127.14104  (20101707)
        477114.73   3655983.83       66.22941  (20120218)               477201.58
3656328.31       77.28431  (20022423)
        477226.26   3656328.31       79.43324  (21120603)               477250.94
3656328.31       81.83906  (21120603)
        477275.62   3656328.31       84.18091  (21010603)               477300.30
3656328.31       89.10804  (20021008)
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        477324.98   3656328.31       93.22157  (20021008)                477349.66
3656328.31       96.23349  (20021008)
        477374.34   3656328.31      100.09314  (19012720)                477497.74
3656328.31      125.13059  (20101707)
        477522.42   3656328.31      128.93677  (20022902)                477547.10
3656328.31      138.37396  (21120823)
        477621.14   3656328.31      169.84568  (21022223)                477645.82
3656328.31      182.27270  (20063006)
        477152.22   3656345.01       72.28458  (21011518)                477201.58
3656345.01       76.28574  (21120603)
        477226.26   3656345.01       78.82341  (20021008)                477250.94
3656345.01       82.77388  (20021008)
        477275.62   3656345.01       85.82285  (20021008)                477300.30
3656345.01       88.49149  (20021008)
        477324.98   3656345.01       91.20817  (19012720)                477349.66
3656345.01       94.17895  (19012720)
        477374.34   3656345.01       95.86011  (19012720)                477497.74
3656345.01      118.86487  (21022222)
        477522.42   3656345.01      125.48211  (21120823)                477547.10
3656345.01      134.06464  (20042606)
        477571.78   3656345.01      140.99085  (20100201)                477596.46
3656345.01      151.10283  (20020721)
        477621.14   3656345.01      163.15235  (20063006)                477645.82
3656345.01      170.02751  (21020924)
        477324.98   3656361.71       88.89489  (19012720)                477349.66
3656361.71       90.03160  (19022420)
        477374.34   3656361.71       95.15686  (20101707)                477497.74
3656361.71      115.48333  (21120823)
        477522.42   3656361.71      122.67262  (20042606)                477547.10
3656361.71      128.72331  (20122220)
        477571.78   3656361.71      136.81346  (20021904)                477596.46
3656361.71      144.13494  (21022320)
        477621.14   3656361.71      154.74256  (20063006)                477645.82
3656361.71      160.10007  (20022901)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                      ***        20:07:49

                                  PAGE  44
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
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                L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        477324.98   3656378.41       85.42916  (20101707)               477349.66
3656378.41       92.55644  (20101707)
        477374.34   3656378.41       97.01550  (20101707)               477497.74
3656378.41      113.71094  (20042606)
        477522.42   3656378.41      117.75087  (20100201)               477547.10
3656378.41      124.08699  (20021904)
        477596.46   3656378.41      141.18196  (20063006)               477621.14
3656378.41      145.68596  (21020924)
        477645.82   3656378.41      151.27248  (19012924)               477152.22
3656395.11       72.31428  (20021008)
        477176.90   3656395.11       73.18130  (20021008)               477201.58
3656395.11       74.81353  (19012720)
        477226.26   3656395.11       76.60799  (19012720)               477250.94
3656395.11       77.52727  (19022420)
        477275.62   3656395.11       79.32075  (19022420)               477300.30
3656395.11       83.02820  (20101707)
        477324.98   3656395.11       89.04803  (20101707)               477349.66
3656395.11       93.16513  (20101707)
        477374.34   3656395.11       93.77399  (20101707)               477448.38
3656395.11      100.53755  (20042606)
        477497.74   3656395.11      109.37025  (19102519)               477522.42
3656395.11      112.93167  (20020721)
        477547.10   3656395.11      120.60119  (21022320)               477571.78
3656395.11      127.11930  (20063006)
        477596.46   3656395.11      132.66908  (20063006)               477621.14
3656395.11      137.95500  (20022901)
        477645.82   3656395.11      141.84478  (19102120)               477152.22
3656411.81       69.47529  (19012720)
        477176.90   3656411.81       71.47025  (19012720)               477201.58
3656411.81       72.56240  (19012720)
        477226.26   3656411.81       74.64006  (19022420)               477250.94
3656411.81       75.39758  (19022420)
        477275.62   3656411.81       80.68719  (20101707)               477300.30
3656411.81       85.16869  (20101707)
        477324.98   3656411.81       87.93399  (20101707)               477349.66
3656411.81       88.89455  (20013119)
        477374.34   3656411.81       90.84459  (20013119)               477423.70
```

3656411.81 94.91168 (20042606)
 477448.38 3656411.81 99.97184 (20042606) 477497.74
3656411.81 104.04432 (20100201)
 477522.42 3656411.81 111.24967 (20020721) 477547.10
3656411.81 115.56080 (21022223)
 477571.78 3656411.81 123.99342 (20063006) 477596.46
3656411.81 126.86939 (21020924)
 477621.14 3656411.81 131.80365 (19012924) 477645.82
3656411.81 132.46625 (19092524)
 477152.22 3656428.51 68.06852 (21021101) 477176.90
3656428.51 70.16102 (19022420)
 477201.58 3656428.51 71.66003 (19022420) 477226.26
3656428.51 73.59856 (20101707)
 477250.94 3656428.51 78.44666 (20101707) 477275.62
3656428.51 82.22355 (20101707)
 477300.30 3656428.51 83.93994 (20101707) 477324.98
3656428.51 85.03025 (20013119)
 477349.66 3656428.51 86.27638 (20013119) 477374.34
3656428.51 89.25130 (21022222)
 477497.74 3656428.51 104.30934 (20020721) 477522.42
3656428.51 108.48111 (21022223)
 477547.10 3656428.51 115.59940 (20063006) 477571.78
3656428.51 115.74396 (20063006)
 477596.46 3656428.51 120.86581 (19121304) 477621.14
3656428.51 124.30498 (19102120)
 477645.82 3656428.51 127.85008 (21011020) 477497.74
3656445.21 101.60458 (21022223)
 477522.42 3656445.21 106.51321 (20063006) 477547.10
3656445.21 112.09958 (20063006)
 477571.78 3656445.21 112.42401 (21020924) 477596.46
3656445.21 116.02328 (19012924)
 477621.14 3656445.21 117.52751 (21120222) 477645.82
3656445.21 121.47568 (19012719)
 477152.22 3656461.91 64.78740 (19040901) 477497.74
3656461.91 97.66991 (21022223)
 477522.42 3656461.91 105.78894 (20063006) 477547.10
3656461.91 104.62854 (20063006)
 477571.78 3656461.91 107.59298 (19121304) 477596.46
3656461.91 111.02956 (19012924)
 477621.14 3656461.91 111.52070 (21011020) 477645.82
3656461.91 115.33165 (19012719)
 477152.22 3656478.61 67.08812 (20101707) 477497.74
3656478.61 98.83822 (20063006)

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477522.42	3656478.61	101.64677	(20063006)	477547.10	3656478.61	101.44820	(21020924)
477571.78	3656478.61	103.28946	(19012924)	477596.46	3656478.61	105.68871	(21120222)
477621.14	3656478.61	108.63088	(21011020)	477645.82	3656478.61	109.75978	(21120824)
477152.22	3656495.31	67.41782	(20101707)	477497.74	3656495.31	97.18056	(20063006)
477522.42	3656495.31	94.28056	(20012122)	477547.10	3656495.31	97.28624	(20022901)
477571.78	3656495.31	100.10360	(19012924)	477596.46	3656495.31	100.00476	(19092524)
477621.14	3656495.31	104.53384	(19012719)	477645.82	3656495.31	105.49786	(21120824)
477152.22	3656512.01	65.46621	(20101707)	477176.90	3656512.01	66.35036	(20013119)
477300.30	3656512.01	74.19822	(20042606)	477324.98	3656512.01	74.77842	(20042606)
477349.66	3656512.01	76.66332	(20100201)	477374.34	3656512.01	77.35701	(20050701)
477399.02	3656512.01	82.10022	(20020721)	477522.42	3656512.01	92.43438	(21020924)
477547.10	3656512.01	93.95875	(20022901)	477571.78	3656512.01	95.82921	(19102120)
477596.46	3656512.01	97.04414	(21011020)	477621.14	3656512.01	100.03392	(19012719)
477645.82	3656512.01	100.65312	(21020304)	477176.90	3656528.71	63.86439	(20013119)

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        477300.30   3656528.71       72.09858  (20042606)               477324.98
3656528.71       73.27172  (19102519)
        477349.66   3656528.71       74.34008  (20100201)               477374.34
3656528.71       77.61378  (20020721)
        477399.02   3656528.71       80.57665  (20020721)               477522.42
3656528.71       89.30698  (20022901)
        477547.10   3656528.71       91.41043  (19012924)               477571.78
3656528.71       91.54300  (21120222)
        477596.46   3656528.71       94.76386  (21011020)               477621.14
3656528.71       95.06256  (21120824)
        477645.82   3656528.71       98.04951  (19120722)               477176.90
3656545.41       62.91439  (21022222)
        477300.30   3656545.41       70.60712  (19102519)               477324.98
3656545.41       71.47383  (20100201)
        477349.66   3656545.41       73.54703  (20020721)               477374.34
3656545.41       77.41202  (20020721)
        477399.02   3656545.41       79.47957  (21022223)               477423.70
3656545.41       81.50205  (20063006)
        477522.42   3656545.41       86.73313  (20022901)               477547.10
3656545.41       88.20710  (19102120)
        477571.78   3656545.41       87.92106  (21100303)               477596.46
3656545.41       92.62199  (19012719)
        477621.14   3656545.41       92.57571  (21120824)               477645.82
3656545.41       95.07604  (19120722)
        477176.90   3656562.11       62.20181  (21022222)               477300.30
3656562.11       69.06495  (20100201)
        477324.98   3656562.11       69.52777  (20020721)               477349.66
3656562.11       73.72319  (20020721)
        477374.34   3656562.11       75.68417  (21022223)               477399.02
3656562.11       77.01833  (21022223)
        477423.70   3656562.11       83.04134  (20063006)               477522.42
3656562.11       84.04112  (19012924)
        477547.10   3656562.11       84.35421  (19102120)               477571.78
3656562.11       86.11352  (21011020)
        477596.46   3656562.11       89.55813  (19012719)               477621.14
3656562.11       89.30728  (21120824)
        477645.82   3656562.11       91.50076  (19120722)               477176.90
3656578.81       60.79022  (20042606)
        477201.58   3656578.81       63.53072  (20042606)               477324.98
3656578.81       70.47970  (20020721)
        477349.66   3656578.81       71.94230  (20020721)               477374.34
3656578.81       74.37370  (21022223)
        477399.02   3656578.81       78.03404  (20063006)               477423.70
3656578.81       82.03042  (20063006)
        477547.10   3656578.81       81.41726  (19092524)               477571.78
3656578.81       84.79000  (19012719)
        477596.46   3656578.81       85.35525  (19012719)               477621.14
3656578.81       86.90618  (21020304)
        477645.82   3656578.81       87.42444  (19120722)               477201.58
3656595.51       62.11184  (20042606)
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                                *** THE   1ST HIGHEST 1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP: ALL   ***
                                   INCLUDING SOURCE(S):   L0000001   , L0000002
, L0000003   , L0000004   , L0000005   ,
                  L0000006   , L0000007   , L0000008   , L0000009   , L0000010
, L0000011   , L0000012   , L0000013   ,
                  L0000014   , L0000015   , L0000016   , L0000017   , L0000018
, L0000019   , L0000020   , L0000021   ,
                  L0000022   , L0000023   , L0000024   , L0000025   , L0000026
, L0000027   , L0000028   , . . .   ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                             ** CONC OF PM_10   IN MICROGRAMS/M**3
                  **

      X-COORD (M) Y-COORD (M)   CONC   (YYMMDDHH)   X-COORD (M)
Y-COORD (M)   CONC   (YYMMDDHH)
 -
- -
        477596.46   3656595.51   82.64320 (21120824)   477621.14
3656595.51   84.97196 (19120722)
        477645.82   3656595.51   83.19332 (19012319)   477152.22
3656612.21   58.16331 (20042606)
        477201.58   3656612.21   59.67187 (19102519)   477547.10
3656612.21   77.53360 (21011020)
        477571.78   3656612.21   80.61004 (19012719)   477596.46
3656612.21   80.31368 (21120824)
        477621.14   3656612.21   82.53846 (19120722)   477645.82
3656612.21   81.53197 (19122420)
        477152.22   3656628.91   56.66108 (20042606)   477201.58
3656628.91   58.55096 (20100201)
        477547.10   3656628.91   76.69930 (19012719)   477571.78
3656628.91   76.90885 (19012719)
        477596.46   3656628.91   77.37180 (21020304)   477621.14
3656628.91   79.80603 (19120722)
        477645.82   3656628.91   79.58649 (19122420)   477152.22
3656645.61   55.31337 (19102519)
        477226.26   3656645.61   56.61177 (20020721)   477250.94

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3656645.61       59.26714  (20020721)
        477571.78   3656645.61       73.68453  (21120824)                477596.46
3656645.61       75.67005  (19120722)
        477621.14   3656645.61       76.82523  (19120722)                477645.82
3656645.61       77.46000  (19122420)
        477152.22   3656662.31       54.27928  (19102519)                477176.90
3656662.31       55.18984  (20100201)
        477226.26   3656662.31       57.52138  (20020721)                477250.94
3656662.31       58.57128  (20020721)
        477275.62   3656662.31       59.06177  (21022223)                477300.30
3656662.31       59.62374  (21022223)
        477571.78   3656662.31       71.91863  (21120824)                477596.46
3656662.31       74.46021  (19120722)
        477621.14   3656662.31       73.29590  (19120722)                477645.82
3656662.31       75.20571  (19122420)
        477421.18   3656372.58      102.20560  (20013119)                477559.28
3656388.35      126.25707  (21022320)
        477319.87   3656674.00       62.99759  (20063006)                477343.98
3656677.77       64.17960  (20063006)
        477368.09   3656684.55       61.55696  (20012122)                477396.72
3656689.07       62.33761  (21020924)
        477431.37   3656698.86       62.86895  (19012924)                477571.50
3656690.58       68.28704  (21020304)
        477603.90   3656690.58       70.74507  (19120722)                477657.39
3656687.56       72.20413  (20010318)
        477758.40   3656642.79       91.00778  (21021323)                477748.60
3656612.31       95.58440  (20120720)
        477888.11   3655990.04      130.12993  (21120303)                477889.39
3655769.75       53.48302  (19122503)
        477434.08   3655867.73       62.30723  (21122921)                477466.74
3655808.81       54.43279  (19120616)
        477495.55   3655776.15       49.13433  (19123102)                477449.77
3655743.56       43.05079  (19012423)
        477442.36   3655709.78       40.10152  (19123102)                477442.36
3655666.75       36.74224  (19121718)
        477505.29   3655671.84       38.24947  (19120702)                477564.51
3655701.92       44.51628  (20010607)
        477601.81   3655648.79       39.11313  (20010623)                477621.81
3655648.79       38.87968  (21123002)
        477641.81   3655648.79       38.85420  (21011507)                477661.81
3655648.79       38.81101  (21011507)
        477681.81   3655648.79       39.25237  (19020320)                477701.81
3655648.79       39.50970  (19020320)
        477721.81   3655648.79       40.42324  (20122923)                477941.81
3655648.79       36.01571  (19122503)
        477961.81   3655648.79       35.82914  (19021804)                477981.81
3655648.79       35.46702  (21022821)
        478001.81   3655648.79       35.13640  (21022821)                477601.81
3655668.79       41.29748  (20010623)
        477621.81   3655668.79       40.70343  (21123002)                477641.81
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        477721.81   3655708.79       47.81129  (19121607)               477941.81
3655708.79       42.25462  (19021804)
        477961.81   3655708.79       41.78455  (21022821)               477981.81
3655708.79       41.19399  (21022821)
        478001.81   3655708.79       39.59761  (20012920)               477601.81
3655728.79       49.23527  (20010701)
        477621.81   3655728.79       50.26271  (20010623)               477641.81
3655728.79       48.43115  (21123002)
        477721.81   3655728.79       50.15116  (19121607)               477941.81
3655728.79       44.63863  (19021804)
        477961.81   3655728.79       44.22391  (21022821)               477981.81
3655728.79       43.05023  (21022821)
        478001.81   3655728.79       41.26500  (20012920)               477601.81
3655748.79       53.02615  (20010701)
        477761.81   3655748.79       53.38613  (19012607)               477821.81
3655748.79       57.38366  (19120716)
        477841.81   3655748.79       60.34579  (19120716)               477861.81
3655748.79       58.85339  (19120716)
        477881.81   3655748.79       53.43392  (19120716)               477901.81
3655748.79       49.44164  (19122503)
        477941.81   3655748.79       47.05757  (19021804)               477961.81
3655748.79       46.68100  (21022821)
        477981.81   3655748.79       44.85007  (21022821)               478001.81
3655748.79       42.81111  (20012920)
        477601.81   3655768.79       56.88545  (19120622)               477761.81
3655768.79       57.26927  (19012607)
        477821.81   3655768.79       62.41542  (19120716)               477841.81
3655768.79       65.21589  (19120716)
        477861.81   3655768.79       63.59936  (19120716)               477881.81
3655768.79       56.15314  (19120716)
        477901.81   3655768.79       52.14716  (19122503)               477941.81
3655768.79       50.22440  (21022821)
        477961.81   3655768.79       49.16187  (21022821)               477981.81
3655768.79       46.94607  (20012920)
        478001.81   3655768.79       44.59050  (21120303)               477601.81
3655788.79       63.12303  (20010607)
        477761.81   3655788.79       60.55796  (19012607)               477821.81
3655788.79       67.87126  (19120716)
        477841.81   3655788.79       71.24116  (19120716)               477861.81
3655788.79       68.37463  (19120716)
        477881.81   3655788.79       59.62613  (19120716)               477901.81
3655788.79       55.02835  (19122503)
        477941.81   3655788.79       53.54283  (21022821)               477961.81
3655788.79       51.54661  (21022821)
        477981.81   3655788.79       49.00029  (20012920)               478001.81
3655788.79       47.17081  (21120303)
        477601.81   3655808.79       67.50774  (20010607)               477761.81
3655808.79       65.03202  (19012607)
        477781.81   3655808.79       64.85533  (20012922)               477801.81
3655808.79       66.26099  (19120716)
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        477821.81   3655808.79       75.43829  (19120716)               477841.81
3655808.79       78.63433  (19120716)
        477861.81   3655808.79       73.61471  (19120716)               477881.81
3655808.79       63.10113  (19120716)
        477901.81   3655808.79       58.44781  (19021804)               477941.81
3655808.79       56.89127  (21022821)
        477961.81   3655808.79       54.20859  (20012920)               477981.81
3655808.79       51.42833  (21120303)
        478001.81   3655808.79       49.52436  (21120303)               477601.81
3655828.79       72.48621  (19120702)
        477621.81   3655828.79       79.30865  (20010607)               477641.81
3655828.79       76.07574  (20010701)
        477661.81   3655828.79       82.25037  (20010623)               477681.81
3655828.79       87.10174  (20010623)
        477701.81   3655828.79       86.13568  (21011507)               477721.81
3655828.79       81.29944  (19020320)
        477741.81   3655828.79       72.86402  (19121607)               477761.81
3655828.79       70.51039  (20122923)
        477781.81   3655828.79       69.77706  (20012922)               477801.81
3655828.79       73.50710  (19120716)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                             *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                          ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -
        477821.81   3655828.79       83.40987  (19120716)               477841.81
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3655828.79       86.22235  (19120716)
        477861.81   3655828.79       79.23914  (19120716)                477881.81
3655828.79       66.28999  (19120716)
        477901.81   3655828.79       63.02028  (19021804)                477921.81
3655828.79       62.26402  (21022821)
        477941.81   3655828.79       60.20485  (21022821)                477961.81
3655828.79       56.91033  (20012920)
        477981.81   3655828.79       54.56618  (21120303)                478001.81
3655828.79       54.26547  (19121518)
        477601.81   3655848.79       81.45467  (19120702)                477621.81
3655848.79       88.18797  (19120702)
        477641.81   3655848.79       91.63388  (20010607)                477661.81
3655848.79       91.30491  (20010621)
        477681.81   3655848.79       95.03531  (20010623)                477701.81
3655848.79       95.47863  (21011507)
        477721.81   3655848.79       87.50734  (19020320)                477741.81
3655848.79       79.11813  (19020320)
        477761.81   3655848.79       76.16212  (20122923)                477781.81
3655848.79       75.47512  (20012922)
        477801.81   3655848.79       84.18039  (19120716)                477821.81
3655848.79       93.70945  (19120716)
        477841.81   3655848.79       94.41988  (19120716)                477861.81
3655848.79       85.08994  (19120716)
        477881.81   3655848.79       69.89907  (19120716)                477901.81
3655848.79       67.91027  (19021804)
        477921.81   3655848.79       66.86834  (21022821)                477941.81
3655848.79       63.58911  (20012920)
        477961.81   3655848.79       60.00168  (21120303)                477981.81
3655848.79       58.51390  (19121518)
        478001.81   3655848.79       58.92610  (19121518)                477601.81
3655868.79       87.49121  (21022022)
        477621.81   3655868.79       97.17850  (19120702)                477641.81
3655868.79       99.92278  (20010607)
        477661.81   3655868.79      101.07563  (20010621)                477681.81
3655868.79      106.24604  (20010623)
        477701.81   3655868.79      103.68562  (20010623)                477721.81
3655868.79       91.30323  (21011507)
        477741.81   3655868.79       83.08161  (19020320)                477761.81
3655868.79       81.56728  (20122923)
        477781.81   3655868.79       82.23255  (20012922)                477801.81
3655868.79       94.37175  (19120716)
        477821.81   3655868.79      103.96116  (19120716)                477841.81
3655868.79      103.50544  (19120716)
        477861.81   3655868.79       92.51653  (19120716)                477881.81
3655868.79       74.49241  (19122503)
        477901.81   3655868.79       73.53930  (21022821)                477921.81
3655868.79       71.56391  (21022821)
        477941.81   3655868.79       67.30953  (20012920)                477961.81
3655868.79       64.12937  (21120303)
        477981.81   3655868.79       64.36861  (19121518)                478001.81
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3655868.79       63.25092  (19121518)
        477601.81   3655888.79       89.45904  (19012605)                477621.81
3655888.79      103.58124  (21022022)
        477641.81   3655888.79      115.75119  (20120802)                477661.81
3655888.79      117.02496  (19012002)
        477681.81   3655888.79      107.92875  (20010621)                477701.81
3655888.79       96.16407  (20010623)
        477721.81   3655888.79       92.11934  (21011507)                477741.81
3655888.79       90.24809  (19020320)
        477761.81   3655888.79       88.36361  (20122923)                477781.81
3655888.79       88.74360  (19012607)
        477801.81   3655888.79      105.30434  (19120716)                477821.81
3655888.79      118.12300  (19120716)
        477841.81   3655888.79      114.55534  (19120716)                477861.81
3655888.79      100.73716  (19120716)
        477881.81   3655888.79       81.37226  (19021804)                477901.81
3655888.79       80.17856  (21022821)
        477921.81   3655888.79       76.17367  (20012920)                477941.81
3655888.79       71.56992  (21120303)
        477961.81   3655888.79       70.54649  (19121518)                477981.81
3655888.79       69.96444  (19121518)
        478001.81   3655888.79       66.93131  (19121518)                477601.81
3655908.79      101.14403  (19120616)
        477621.81   3655908.79      108.83854  (20013003)                477641.81
3655908.79      123.06464  (20120802)
        477661.81   3655908.79      127.56104  (20120802)                477681.81
3655908.79      122.25264  (20010621)
        477701.81   3655908.79      106.73192  (20010623)                477721.81
3655908.79      101.74391  (21011507)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  49
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                               *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
                  L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                  L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                  L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                                *** DISCRETE CARTESIAN RECEPTOR POINTS
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** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
477741.81	3655908.79	99.81458	(19020320)	477761.81	3655908.79	101.37197	(20122923)
477781.81	3655908.79	98.48465	(19012607)	477801.81	3655908.79	119.12691	(19120716)
477821.81	3655908.79	134.96479	(19120716)	477841.81	3655908.79	128.36934	(19120716)
477861.81	3655908.79	109.09813	(19120716)	477881.81	3655908.79	89.13777	(19021804)
477901.81	3655908.79	87.06144	(21022821)	477921.81	3655908.79	81.53497	(20012920)
477941.81	3655908.79	77.32016	(19121518)	477961.81	3655908.79	77.82821	(19121518)
477981.81	3655908.79	74.93213	(19121518)	478001.81	3655908.79	69.61225	(19121518)
477601.81	3655928.79	114.71747	(19120616)	477621.81	3655928.79	120.94479	(19012423)
477641.81	3655928.79	142.81660	(19020322)	477661.81	3655928.79	158.24642	(21011418)
477681.81	3655928.79	144.38717	(20122419)	477701.81	3655928.79	134.78080	(20010621)
477721.81	3655928.79	111.64119	(21011507)	477741.81	3655928.79	109.05752	(19020320)
477761.81	3655928.79	111.21153	(19121607)	477781.81	3655928.79	111.14142	(19012607)
477801.81	3655928.79	137.00578	(19120716)	477821.81	3655928.79	154.40740	(19120716)
477841.81	3655928.79	145.53099	(19120716)	477861.81	3655928.79	118.50997	(19120716)
477881.81	3655928.79	98.59998	(21022821)	477901.81	3655928.79	94.12021	(21022821)
477921.81	3655928.79	87.59738	(21120303)	477941.81	3655928.79	86.87555	(19121518)
477961.81	3655928.79	84.53547	(19121518)	477981.81	3655928.79	78.75891	(19121518)
478001.81	3655928.79	73.59967	(19020718)	477601.81	3655948.79	124.69056	(19120616)
477621.81	3655948.79	133.14182	(20022806)	477641.81	3655948.79	159.75504	(21011308)
477661.81	3655948.79	166.75474	(21011418)	477681.81	3655948.79	170.11788	(21011418)
477701.81	3655948.79	147.54854	(20010621)	477721.81	3655948.79	126.36764	(20010623)

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        477741.81   3655948.79      124.33439  (21011507)                477761.81
3655948.79      124.09067  (19020320)
        477781.81   3655948.79      128.41800  (19120716)                477801.81
3655948.79      157.17292  (19120716)
        477821.81   3655948.79      173.77859  (19120716)                477841.81
3655948.79      162.84663  (19120716)
        477861.81   3655948.79      129.00011  (19120716)                477881.81
3655948.79      109.31012  (21022821)
        477901.81   3655948.79      101.96281  (20012920)                477921.81
3655948.79       97.58297  (19121518)
        477941.81   3655948.79       96.11211  (19121518)                477961.81
3655948.79       90.02972  (19121518)
        477981.81   3655948.79       83.39260  (19020718)                478001.81
3655948.79       79.30562  (19010918)
        477601.81   3655968.79      129.58260  (20020122)                477621.81
3655968.79      146.13661  (20022801)
        477641.81   3655968.79      166.57551  (20021420)                477661.81
3655968.79      174.80471  (21122108)
        477681.81   3655968.79      182.97264  (21011418)                477701.81
3655968.79      162.62448  (20120802)
        477721.81   3655968.79      143.22946  (20010623)                477741.81
3655968.79      150.93545  (21011507)
        477761.81   3655968.79      147.79314  (19020320)                477781.81
3655968.79      150.84919  (19120716)
        477801.81   3655968.79      181.73659  (19120716)                477821.81
3655968.79      196.88326  (19120716)
        477841.81   3655968.79      184.49617  (19120716)                477861.81
3655968.79      140.49943  (19120716)
        477881.81   3655968.79      120.96071  (21022821)                477901.81
3655968.79      111.19862  (21120303)
        477921.81   3655968.79      110.37689  (19121518)                477941.81
3655968.79      104.15281  (19121518)
        477961.81   3655968.79       95.54020  (19020718)                477981.81
3655968.79       90.27785  (19010918)
        478001.81   3655968.79       87.35999  (19010918)                477601.81
3655988.79      156.86193  (19121020)
        477621.81   3655988.79      169.38455  (21011722)                477641.81
3655988.79      176.54235  (21011408)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  50
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                              *** THE   1ST HIGHEST  1-HR AVERAGE CONCENTRATION
VALUES FOR SOURCE GROUP:  ALL      ***
                                  INCLUDING SOURCE(S):     L0000001    , L0000002
, L0000003    , L0000004    , L0000005    ,
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                 L0000006    , L0000007    , L0000008    , L0000009    , L0000010
, L0000011    , L0000012    , L0000013    ,
                 L0000014    , L0000015    , L0000016    , L0000017    , L0000018
, L0000019    , L0000020    , L0000021    ,
                 L0000022    , L0000023    , L0000024    , L0000025    , L0000026
, L0000027    , L0000028    ,  . . .      ,

                                          *** DISCRETE CARTESIAN RECEPTOR POINTS
***

                                       ** CONC OF PM_10    IN MICROGRAMS/M**3
                  **

      X-COORD (M)  Y-COORD (M)        CONC     (YYMMDDHH)              X-COORD (M)
Y-COORD (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
        477661.81   3655988.79      184.40888  (21011308)               477681.81
3655988.79      192.72363  (21122108)
        477701.81   3655988.79      176.02715  (20120802)               477721.81
3655988.79      169.09959  (20010621)
        477741.81   3655988.79      163.88513  (21011507)               477761.81
3655988.79      167.42769  (19020320)
        477781.81   3655988.79      168.07687  (19120716)               477801.81
3655988.79      210.67936  (19120716)
        477821.81   3655988.79      228.10696  (19120716)               477841.81
3655988.79      210.65888  (19120716)
        477861.81   3655988.79      153.16130  (19120716)               477881.81
3655988.79      133.34230  (20012920)
        477901.81   3655988.79      128.01435  (19121518)               477921.81
3655988.79      122.07128  (19121518)
        477941.81   3655988.79      111.18401  (19020718)               477961.81
3655988.79      104.08074  (19010918)
        477981.81   3655988.79       99.93743  (19010918)               478001.81
3655988.79       93.52563  (19012101)
        477601.81   3656008.79      168.23898  (19012724)               477621.81
3656008.79      174.58790  (20021321)
        477641.81   3656008.79      185.72367  (21011408)               477661.81
3656008.79      186.48701  (21122102)
        477681.81   3656008.79      195.68228  (19120616)               477701.81
3656008.79      204.49761  (19120616)
        477721.81   3656008.79      187.44026  (19120616)               477741.81
3656008.79      179.39666  (19010516)
        477761.81   3656008.79      170.43843  (21011507)               477781.81
3656008.79      193.23333  (19120716)
        477801.81   3656008.79      247.03127  (19120716)               477821.81
3656008.79      268.35107  (19120716)
        477841.81   3656008.79      242.38924  (19120716)               477861.81
3656008.79      164.89590  (19120716)
        477881.81   3656008.79      149.40042  (19121518)               477901.81
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3656008.79      146.15405  (19121518)
        477921.81   3656008.79      132.15990  (19020718)               477941.81
3656008.79      122.00519  (19010918)
        477961.81   3656008.79      115.77694  (19010918)               477981.81
3656008.79      107.38406  (19012101)
        478001.81   3656008.79       98.50945  (21022119)               477601.81
3656028.79      171.99755  (21120720)
        477621.81   3656028.79      175.83461  (19121818)               477641.81
3656028.79      190.11158  (21120122)
        477661.81   3656028.79      193.03763  (19120616)               477681.81
3656028.79      229.63742  (19120616)
        477701.81   3656028.79      250.87888  (19120616)               477721.81
3656028.79      249.32740  (19120616)
        477741.81   3656028.79      211.73300  (19120616)               477761.81
3656028.79      194.23603  (19010516)
        477781.81   3656028.79      236.06626  (19120716)               477801.81
3656028.79      293.58090  (19120716)
        477821.81   3656028.79      319.64101  (19120716)               477841.81
3656028.79      282.25888  (19120716)
        477861.81   3656028.79      185.99664  (20012920)               477881.81
3656028.79      177.35096  (19121518)
        477901.81   3656028.79      160.27111  (19121518)               477921.81
3656028.79      146.32144  (19010918)
        477941.81   3656028.79      136.37002  (19010918)               477961.81
3656028.79      124.80085  (19012101)
        477981.81   3656028.79      113.17614  (19121517)               478001.81
3656028.79      104.95210  (19021621)
        477601.81   3656048.79      166.12684  (20050706)               477621.81
3656048.79      171.03499  (20050706)
        477641.81   3656048.79      197.25096  (20021922)               477661.81
3656048.79      201.06684  (19012623)
        477681.81   3656048.79      244.42464  (19120616)               477701.81
3656048.79      293.28243  (19120616)
        477721.81   3656048.79      308.91606  (19120616)               477741.81
3656048.79      284.22484  (19120616)
        477761.81   3656048.79      227.55429  (19120616)               477781.81
3656048.79      287.74186  (19120716)
        477801.81   3656048.79      352.87346  (19120716)               477821.81
3656048.79      379.21449  (19120716)
        477841.81   3656048.79      328.02668  (19120716)               477861.81
3656048.79      218.25521  (19121518)
        477881.81   3656048.79      201.23754  (19121518)               477901.81
3656048.79      183.93709  (20101317)
        477921.81   3656048.79      165.97226  (20101317)               477941.81
3656048.79      147.22940  (19012101)
        477961.81   3656048.79      133.02423  (19021621)               477981.81
3656048.79      120.69281  (19021621)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 , L0000009 , L0000010 , L0000011 , L0000012 , L0000013 , L0000014 , L0000015 , L0000016 , L0000017 , L0000018 , L0000019 , L0000020 , L0000021 , L0000022 , L0000023 , L0000024 , L0000025 , L0000026 , L0000027 , L0000028 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
478001.81	3656048.79	111.24314	(19051018)	477912.66	3655638.19	36.88980	(19122503)
477940.84	3655629.86	34.85400	(19122503)	477970.87	3655616.86	33.11067	(19021804)
477725.92	3655737.71	51.53426	(19121607)	477803.76	3655734.98	50.09219	(20012922)
478027.75	3656091.03	112.93349	(21010516)	478041.36	3656113.34	116.73637	(21010516)
478060.95	3656112.26	105.63987	(21010516)	478037.00	3656044.76	93.45976	(19012024)
478025.57	3656015.90	92.33023	(19021621)	478021.21	3655996.85	88.63970	(21022119)
478014.68	3655971.27	84.87525	(19010918)	478067.48	3656028.42	80.73802	(19012024)
478072.38	3656050.20	82.31855	(21022218)	478060.95	3656005.02	79.23345	(19021621)
478059.32	3655962.56	72.08433	(21022119)	478151.32	3656028.97	62.00318	(21022218)
478160.57	3656063.26	63.68391	(21022020)	478204.12	3656046.39	54.45546	(21022020)
478192.14	3656007.74	53.61575	(21022218)	478130.09	3655980.52	61.28876	(20121517)
478178.53	3655965.82	52.08643	(19012024)	478105.59	3655906.49	56.42746	(19012101)

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        478186.15   3655923.91       48.51667  (19021621)                478197.58
3656141.65       63.78489  (19122616)
        478219.90   3656168.87       56.25595  (20021718)                478080.55
3656204.25       94.75893  (19012919)
        478080.55   3656204.25       94.75893  (19012919)                478290.67
3655984.33       41.64636  (21022218)
        478302.10   3656030.60       41.46112  (21022020)                478226.86
3655930.20       45.12350  (20121517)
        478267.37   3655927.05       41.32477  (19012024)                478303.55
3655891.66       35.85103  (20121517)
        478316.92   3655919.97       36.39554  (19012024)                478169.04
3655874.35       46.32792  (21022119)
        478202.87   3655862.94       43.52206  (21022119)                478245.74
3655855.47       38.87353  (19021621)
        478039.25   3655857.38       55.61219  (21122606)                478104.58
3655853.02       48.46024  (19010918)
        478114.48   3655865.62       50.26189  (19010918)

 *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***        02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                       *** THE SUMMARY OF MAXIMUM PERIOD ( 26304
HRS) RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
              **


                      NETWORK
GROUP ID                      AVERAGE CONC                RECEPTOR  (XR, YR, ZELEV,
ZHILL, ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS     120.33617 AT (  477881.27,  3656161.04,    51.04,
  101.79,    0.00)  DC
          2ND HIGHEST VALUE IS     115.52956 AT (  477841.42,  3656223.07,    58.09,
  101.79,    0.00)  DC
          3RD HIGHEST VALUE IS      98.20028 AT (  477799.16,  3656239.28,    64.46,
  101.79,    0.00)  DC
          4TH HIGHEST VALUE IS      89.62244 AT (  477884.09,  3656215.48,    53.76,
  101.79,    0.00)  DC
          5TH HIGHEST VALUE IS      79.61011 AT (  477877.59,  3656112.60,    48.29,
  101.79,    0.00)  DC
```

```
         6TH HIGHEST VALUE IS      65.97859 AT (  477767.77,  3656252.20,    67.73,
  101.79,    0.00)  DC
         7TH HIGHEST VALUE IS      62.93393 AT (  477928.70,  3656143.00,    47.44,
  101.79,    0.00)  DC
         8TH HIGHEST VALUE IS      54.51933 AT (  477940.95,  3656208.14,    48.61,
  101.79,    0.00)  DC
         9TH HIGHEST VALUE IS      54.19800 AT (  477723.93,  3656083.21,    53.51,
  101.79,    0.00)  DC
        10TH HIGHEST VALUE IS      51.28035 AT (  477769.69,  3656067.17,    48.84,
  101.79,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***       02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49

                                  PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                                123 *** THE SUMMARY OF HIGHEST  1-HR
RESULTS ***


                                    ** CONC OF PM_10    IN MICROGRAMS/M**3
               **

                                                                  DATE
                                         NETWORK
GROUP ID                          AVERAGE CONC     (YYMMDDHH)             RECEPTOR
(XR, YR, ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS     399.45051  ON 19120716: AT (  477822.81,
3656055.81,    44.35,   101.79,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
↑ *** AERMOD - VERSION 22112  ***   *** C:\Users\enuno\OneDrive -
Dudek\Desktop\HARP2\HARP\Encinitas_Sanctua ***       02/12/23
 *** AERMET - VERSION  22112 ***   ***
                       ***        20:07:49
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

 --------- Summary of Total Messages --------

A Total of   0 Fatal Error Message(s)
A Total of   2 Warning Message(s)
A Total of   1272 Informational Message(s)

A Total of   26304 Hours Were Processed

A Total of   701 Calm Hours Identified

A Total of   571 Missing Hours Identified (2.17 Percent)

   ******** FATAL ERROR MESSAGES ********
              *** NONE ***

   ********   WARNING MESSAGES   ********
ME W186   544   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
    0.50
ME W187   544   MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

   ****
   *** AERMOD Finishes Successfully ***
   ****

HARP2 - HRACalc (dated 22118) 2/21/2023 1:29:17 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 1.06

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 1.06
2<9 Years Bin: 0
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: RMP