Cache Slough Mitigation Bank - 1/26/2024 Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cache Slough Mitigation Bank - 1/26/2024
Construction Start Date	4/15/2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	20.6
Location	3338 CA-84, Walnut Grove, CA 95690, USA
County	Solano-Sacramento
City	Unincorporated
Air District	Yolo/Solano AQMD
Air Basin	Sacramento Valley
TAZ	878
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Bridge/Overpass Construction	0.01	Mile	350	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-10-A	Water Exposed Surfaces
Construction	C-10-B	Water Active Demolition Sites
Construction	C-10-C	Water Unpaved Construction Roads
Construction	C-11	Limit Vehicle Speeds on Unpaved Roads

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.87	4.28	32.6	99.5	0.17	1.45	73.9	75.0	1.35	15.7	16.8	—	19,840	19,840	0.72	0.54	7.24	20,020
Mit.	4.87	4.28	32.6	99.5	0.17	1.45	26.1	27.3	1.35	5.98	7.08	—	19,840	19,840	0.72	0.54	7.24	20,020
% Reduced	—	—	—	—	—	—	65%	64%	—	62%	58%	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.84	4.24	32.9	99.0	0.17	1.45	64.4	65.9	1.35	14.7	15.5	—	19,774	19,774	0.72	0.52	0.19	19,948
Mit.	4.84	4.24	32.9	99.0	0.17	1.45	24.5	25.9	1.35	5.55	6.32	—	19,774	19,774	0.72	0.52	0.19	19,948
% Reduced	—	—	—	—	—	—	62%	61%	—	62%	59%	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.21	1.10	7.91	35.9	0.06	0.31	20.4	20.7	0.29	5.00	5.29	—	7,245	7,245	0.27	0.15	0.87	7,298
Mit.	1.21	1.10	7.91	35.9	0.06	0.31	7.92	8.22	0.29	1.98	2.27	—	7,245	7,245	0.27	0.15	0.87	7,298
% Reduced	—	—	—	—	—	—	61%	60%	—	60%	57%	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.22	0.20	1.44	6.56	0.01	0.06	3.72	3.78	0.05	0.91	0.97	—	1,200	1,200	0.05	0.03	0.14	1,208
Mit.	0.22	0.20	1.44	6.56	0.01	0.06	1.44	1.50	0.05	0.36	0.41	—	1,200	1,200	0.05	0.03	0.14	1,208
% Reduced	—	—	—	—	—	—	61%	60%	—	60%	57%	—	—	—	—	—	—	—

2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.87	4.28	32.6	99.5	0.17	1.45	73.9	75.0	1.35	15.7	16.8	—	19,840	19,840	0.72	0.54	7.24	20,020
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.84	4.24	32.9	99.0	0.17	1.45	64.4	65.9	1.35	14.7	15.5	—	19,774	19,774	0.72	0.52	0.19	19,948
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.21	1.10	7.91	35.9	0.06	0.31	20.4	20.7	0.29	5.00	5.29	—	7,245	7,245	0.27	0.15	0.87	7,298
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.22	0.20	1.44	6.56	0.01	0.06	3.72	3.78	0.05	0.91	0.97	—	1,200	1,200	0.05	0.03	0.14	1,208

2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.87	4.28	32.6	99.5	0.17	1.45	26.1	27.3	1.35	5.98	7.08	—	19,840	19,840	0.72	0.54	7.24	20,020
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	4.84	4.24	32.9	99.0	0.17	1.45	24.5	25.9	1.35	5.55	6.32	—	19,774	19,774	0.72	0.52	0.19	19,948
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.21	1.10	7.91	35.9	0.06	0.31	7.92	8.22	0.29	1.98	2.27	—	7,245	7,245	0.27	0.15	0.87	7,298
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.22	0.20	1.44	6.56	0.01	0.06	1.44	1.50	0.05	0.36	0.41	—	1,200	1,200	0.05	0.03	0.14	1,208

3. Construction Emissions Details

3.1. SR 84 Mobilization (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.51	2.54	< 0.005	0.06	—	0.06	0.05	—	0.05	—	397	397	0.02	< 0.005	—	399
Dust From Material Movemen:	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	7.36	7.36	< 0.005	0.73	0.74	—	20.3	20.3	< 0.005	< 0.005	0.03	21.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	10.9
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.19	0.19	< 0.005	0.02	0.02	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.80	1.80	< 0.005	< 0.005	—	1.81
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.6	70.6	< 0.005	< 0.005	0.25	71.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.03	0.01	0.78	0.19	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	674	674	0.01	0.10	1.35	707
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.54
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	< 0.005	< 0.005	0.02	19.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.06	3.06	< 0.005	< 0.005	< 0.005	3.20

3.2. SR 84 Mobilization (2026) - 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	0.16	0.13	1.51	2.54	< 0.005	0.06	—	0.06	0.05	—	0.05	—	397	397	0.02	< 0.005	—	399
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19	—	20.3	20.3	< 0.005	< 0.005	0.03	21.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.04	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.9	10.9	< 0.005	< 0.005	—	10.9

Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.80	1.80	< 0.005	< 0.005	—	1.81
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.32	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	70.6	70.6	< 0.005	< 0.005	0.25	71.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.03	0.01	0.78	0.19	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	674	674	0.01	0.10	1.35	707
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.54
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	< 0.005	< 0.005	0.02	19.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25

Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.06	3.06	< 0.005	< 0.005	< 0.005	3.20

3.3. SR 84 Shoofly (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.45	2.06	18.8	20.0	0.04	0.84	—	0.84	0.77	—	0.77	—	3,871	3,871	0.16	0.03	—	3,885
Dust From Material Movement	—	—	—	—	—	—	7.10	7.10	—	3.43	3.43	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.19	0.11	< 0.005	< 0.005	29.4	29.4	< 0.005	2.94	2.94	—	81.1	81.1	< 0.005	0.01	0.13	85.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.18	1.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	244	244	0.01	< 0.005	—	245
Dust From Material Movement	—	—	—	—	—	—	0.45	0.45	—	0.22	0.22	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	1.75	1.75	< 0.005	0.17	0.17	—	5.12	5.12	< 0.005	< 0.005	< 0.005	5.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.4	40.4	< 0.005	< 0.005	—	40.5

Dust From Material Movemen	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.32	0.32	< 0.005	0.03	0.03	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.04	0.79	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	177	177	< 0.005	0.01	0.62	179
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.05	0.03	1.57	0.38	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,348	1,348	0.01	0.21	2.70	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	3.40	3.40	< 0.005	< 0.005	< 0.005	3.54
Hauling	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	85.0	85.0	< 0.005	0.01	0.07	89.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.59
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	0.01	14.7

3.4. SR 84 Shoofly (2026) - 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	2.45	2.06	18.8	20.0	0.04	0.84	—	0.84	0.77	—	0.77	—	3,871	3,871	0.16	0.03	—	3,885
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.19	0.11	< 0.005	< 0.005	7.42	7.42	< 0.005	0.74	0.74	—	81.1	81.1	< 0.005	0.01	0.13	85.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.18	1.26	< 0.005	0.05	—	0.05	0.05	—	0.05	—	244	244	0.01	< 0.005	—	245
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	—	5.12	5.12	< 0.005	< 0.005	< 0.005	5.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.4	40.4	< 0.005	< 0.005	—	40.5
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.04	0.79	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	177	177	< 0.005	0.01	0.62	179
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.05	0.03	1.57	0.38	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,348	1,348	0.01	0.21	2.70	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	3.40	3.40	< 0.005	< 0.005	< 0.005	3.54
Hauling	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	85.0	85.0	< 0.005	0.01	0.07	89.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.59
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	0.01	14.7

3.5. SR 84 Bridge Excavation (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	1.01	9.17	8.08	0.01	0.39	—	0.39	0.36	—	0.36	—	1,520	1,520	0.06	0.01	—	1,526

Dust From Material Movemen	—	—	—	—	—	—	6.57	6.57	—	3.37	3.37	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.19	0.11	< 0.005	< 0.005	29.4	29.4	< 0.005	2.94	2.94	—	81.1	81.1	< 0.005	0.01	0.13	85.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.8	45.8	< 0.005	< 0.005	—	46.0
Dust From Material Movemen	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.59	7.59	< 0.005	< 0.005	—	7.61
Dust From Material Movemen	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.55	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.44	125
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.05	0.03	1.57	0.38	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,348	1,348	0.01	0.21	2.70	1,413

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	0.01	3.49
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.69
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	0.04	42.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	7.05

3.6. SR 84 Bridge Excavation (2026) - 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	1.20	1.01	9.17	8.08	0.01	0.39	—	0.39	0.36	—	0.36	—	1,520	1,520	0.06	0.01	—	1,526
Dust From Material Movemen	—	—	—	—	—	—	2.56	2.56	—	1.31	1.31	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.19	0.11	< 0.005	< 0.005	7.42	7.42	< 0.005	0.74	0.74	—	81.1	81.1	< 0.005	0.01	0.13	85.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.28	0.24	< 0.005	0.01	—	0.01	0.01	—	0.01	—	45.8	45.8	< 0.005	< 0.005	—	46.0
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	7.59	7.59	< 0.005	< 0.005	—	7.61
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.55	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.44	125
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.05	0.03	1.57	0.38	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,348	1,348	0.01	0.21	2.70	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	0.01	3.49
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.69

Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	0.04	42.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	7.05

3.7. SR 84 Bridge Foundation (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.53	0.45	4.07	3.97	0.01	0.17	—	0.17	0.15	—	0.15	—	1,111	1,111	0.05	0.01	—	1,115
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	7.36	7.36	< 0.005	0.73	0.74	—	20.3	20.3	< 0.005	< 0.005	0.03	21.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.0	70.0	< 0.005	< 0.005	—	70.2
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.55	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.44	125
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.01	< 0.005	0.16	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	< 0.005	0.02	0.27	141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.18	7.18	< 0.005	< 0.005	0.01	7.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	3.40	3.40	< 0.005	< 0.005	< 0.005	3.54
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.50	8.50	< 0.005	< 0.005	0.01	8.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.19	1.19	< 0.005	< 0.005	< 0.005	1.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.59
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.41	1.41	< 0.005	< 0.005	< 0.005	1.47

3.8. SR 84 Bridge Foundation (2026) - 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	0.53	0.45	4.07	3.97	0.01	0.17	—	0.17	0.15	—	0.15	—	1,111	1,111	0.05	0.01	—	1,115
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19	—	20.3	20.3	< 0.005	< 0.005	0.03	21.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.26	0.25	< 0.005	0.01	—	0.01	0.01	—	0.01	—	70.0	70.0	< 0.005	< 0.005	—	70.2
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	1.28	1.28	< 0.005	< 0.005	< 0.005	1.34
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.05	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	11.6	11.6	< 0.005	< 0.005	—	11.6

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.03	0.55	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	124	124	< 0.005	< 0.005	0.44	125
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.01	< 0.005	0.16	0.04	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	135	135	< 0.005	0.02	0.27	141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.18	7.18	< 0.005	< 0.005	0.01	7.29
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	3.40	3.40	< 0.005	< 0.005	< 0.005	3.54
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.50	8.50	< 0.005	< 0.005	0.01	8.90
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.19	1.19	< 0.005	< 0.005	< 0.005	1.21
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.59
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.41	1.41	< 0.005	< 0.005	< 0.005	1.47

3.9. SR 84 Bridge Superstructure (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.44	3.88	5.18	0.01	0.14	—	0.14	0.12	—	0.12	—	879	879	0.04	0.01	—	882
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.44	3.88	5.18	0.01	0.14	—	0.14	0.12	—	0.12	—	879	879	0.04	0.01	—	882
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.11	0.09	0.82	1.09	< 0.005	0.03	—	0.03	0.03	—	0.03	—	185	185	0.01	< 0.005	—	186
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.02	0.02	0.15	0.20	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	30.7	30.7	< 0.005	< 0.005	—	30.8

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.11	0.11	0.07	1.19	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	265	265	< 0.005	0.01	0.94	269
Vendor	0.01	0.01	0.13	0.06	< 0.005	< 0.005	2.99	3.00	< 0.005	0.30	0.31	—	108	108	< 0.005	0.01	0.26	112
Hauling	0.01	< 0.005	0.41	0.06	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	396	396	< 0.005	0.06	0.81	416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	0.99	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	239	239	0.01	0.01	0.02	243
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	2.99	3.00	< 0.005	0.30	0.31	—	108	108	< 0.005	0.01	0.01	112
Hauling	0.01	< 0.005	0.44	0.06	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	397	397	< 0.005	0.06	0.02	415
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.5	51.5	< 0.005	< 0.005	0.09	52.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	22.8	22.8	< 0.005	< 0.005	0.02	23.7
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	83.7	83.7	< 0.005	0.01	0.07	87.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.53	8.53	< 0.005	< 0.005	0.01	8.66
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.77	3.77	< 0.005	< 0.005	< 0.005	3.92
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.01	14.5

3.10. SR 84 Bridge Superstructure (2026) - 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	0.44	3.88	5.18	0.01	0.14	—	0.14	0.12	—	0.12	—	879	879	0.04	0.01	—	882
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.44	3.88	5.18	0.01	0.14	—	0.14	0.12	—	0.12	—	879	879	0.04	0.01	—	882
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.11	0.09	0.82	1.09	< 0.005	0.03	—	0.03	0.03	—	0.03	—	185	185	0.01	< 0.005	—	186
Dust From Material Movemen	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.02	0.02	0.15	0.20	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	30.7	30.7	< 0.005	< 0.005	—	30.8
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.11	0.11	0.07	1.19	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	265	265	< 0.005	0.01	0.94	269
Vendor	0.01	0.01	0.13	0.06	< 0.005	< 0.005	2.99	3.00	< 0.005	0.30	0.31	—	108	108	< 0.005	0.01	0.26	112
Hauling	0.01	< 0.005	0.41	0.06	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	396	396	< 0.005	0.06	0.81	416
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	0.99	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	239	239	0.01	0.01	0.02	243
Vendor	0.01	< 0.005	0.14	0.06	< 0.005	< 0.005	2.99	3.00	< 0.005	0.30	0.31	—	108	108	< 0.005	0.01	0.01	112
Hauling	0.01	< 0.005	0.44	0.06	< 0.005	0.01	0.11	0.12	0.01	0.03	0.04	—	397	397	< 0.005	0.06	0.02	415
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.20	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	51.5	51.5	< 0.005	< 0.005	0.09	52.3
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	22.8	22.8	< 0.005	< 0.005	0.02	23.7
Hauling	< 0.005	< 0.005	0.09	0.01	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	83.7	83.7	< 0.005	0.01	0.07	87.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.53	8.53	< 0.005	< 0.005	0.01	8.66
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.11	0.11	< 0.005	0.01	0.01	—	3.77	3.77	< 0.005	< 0.005	< 0.005	3.92
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.8	13.8	< 0.005	< 0.005	0.01	14.5

3.11. SR 84 Roadwork (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.38	19.9	27.0	0.04	1.05	—	1.05	0.96	—	0.96	—	4,190	4,190	0.17	0.03	—	4,205
Dust From Material Movemen	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Demolitio n	—	—	—	—	—	—	0.21	0.21	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.19	0.11	< 0.005	< 0.005	29.4	29.4	< 0.005	2.94	2.94	—	81.1	81.1	< 0.005	0.01	0.13	85.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.38	19.9	27.0	0.04	1.05	—	1.05	0.96	—	0.96	—	4,190	4,190	0.17	0.03	—	4,205
Dust From Material Movemen	—	—	—	—	—	—	3.18	3.18	—	0.34	0.34	—	—	—	—	—	—	—
Demolitio n	—	—	—	—	—	—	0.21	0.21	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.20	0.11	< 0.005	< 0.005	29.4	29.4	< 0.005	2.94	2.94	—	81.6	81.6	< 0.005	0.01	< 0.005	85.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.25	1.70	< 0.005	0.07	—	0.07	0.06	—	0.06	—	264	264	0.01	< 0.005	—	265

Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.02	0.02	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	1.75	1.75	< 0.005	0.17	0.17	—	5.12	5.12	< 0.005	< 0.005	< 0.005	5.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.7	43.7	< 0.005	< 0.005	—	43.9
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.32	0.32	< 0.005	0.03	0.03	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.04	0.79	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	177	177	< 0.005	0.01	0.62	179
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.05	0.03	1.57	0.38	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,348	1,348	0.01	0.21	2.70	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.66	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.02	162
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.05	0.02	1.70	0.39	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,349	1,349	0.01	0.21	0.07	1,412

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	3.40	3.40	< 0.005	< 0.005	< 0.005	3.54
Hauling	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	85.0	85.0	< 0.005	0.01	0.07	89.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.59
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	0.01	14.7

3.12. SR 84 Roadwork (2026) - 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	2.83	2.38	19.9	27.0	0.04	1.05	—	1.05	0.96	—	0.96	—	4,190	4,190	0.17	0.03	—	4,205
Dust From Material Movement	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.19	0.11	< 0.005	< 0.005	7.42	7.42	< 0.005	0.74	0.74	—	81.1	81.1	< 0.005	0.01	0.13	85.1
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.83	2.38	19.9	27.0	0.04	1.05	—	1.05	0.96	—	0.96	—	4,190	4,190	0.17	0.03	—	4,205

Dust From Material Movement	—	—	—	—	—	—	1.24	1.24	—	0.13	0.13	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.13	0.13	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.20	0.11	< 0.005	< 0.005	7.42	7.42	< 0.005	0.74	0.74	—	81.6	81.6	< 0.005	0.01	< 0.005	85.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.25	1.70	< 0.005	0.07	—	0.07	0.06	—	0.06	—	264	264	0.01	< 0.005	—	265
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.01	0.01	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.44	0.44	< 0.005	0.04	0.04	—	5.12	5.12	< 0.005	< 0.005	< 0.005	5.37
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.23	0.31	< 0.005	0.01	—	0.01	0.01	—	0.01	—	43.7	43.7	< 0.005	< 0.005	—	43.9
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Demolition	—	—	—	—	—	—	< 0.005	< 0.005	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.08	0.08	< 0.005	0.01	0.01	—	0.85	0.85	< 0.005	< 0.005	< 0.005	0.89
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.08	0.07	0.04	0.79	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	177	177	< 0.005	0.01	0.62	179
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.05	0.03	1.57	0.38	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,348	1,348	0.01	0.21	2.70	1,413
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.66	0.00	0.00	0.17	0.17	0.00	0.04	0.04	—	160	160	< 0.005	0.01	0.02	162
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.05	0.02	1.70	0.39	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,349	1,349	0.01	0.21	0.07	1,412
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.4
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.09	0.09	< 0.005	0.01	0.01	—	3.40	3.40	< 0.005	< 0.005	< 0.005	3.54
Hauling	< 0.005	< 0.005	0.10	0.02	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	85.0	85.0	< 0.005	0.01	0.07	89.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.70	1.70	< 0.005	< 0.005	< 0.005	1.72
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.59
Hauling	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	14.1	14.1	< 0.005	< 0.005	0.01	14.7

3.13. SR 84 Shoofly Removal (2026) - 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	1.73	1.45	13.3	12.2	0.02	0.57	—	0.57	0.52	—	0.52	—	2,663	2,663	0.11	0.02	—	2,672
Dust From Material Movement	—	—	—	—	—	—	6.58	6.58	—	3.37	3.37	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.20	0.11	< 0.005	< 0.005	29.4	29.4	< 0.005	2.94	2.94	—	81.6	81.6	< 0.005	0.01	< 0.005	85.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	80.3	80.3	< 0.005	< 0.005	—	80.5
Dust From Material Movement	—	—	—	—	—	—	0.20	0.20	—	0.10	0.10	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.84	0.84	< 0.005	0.08	0.08	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	112	112	< 0.005	< 0.005	0.01	113

Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.05	0.02	1.70	0.39	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,349	1,349	0.01	0.21	0.07	1,412
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	0.01	3.49
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.69
Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	0.04	42.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	7.05

3.14. SR 84 Shoofly Removal (2026) - 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	1.73	1.45	13.3	12.2	0.02	0.57	—	0.57	0.52	—	0.52	—	2,663	2,663	0.11	0.02	—	2,672
Dust From Material Movement	—	—	—	—	—	—	2.57	2.57	—	1.31	1.31	—	—	—	—	—	—	—
Onsite truck	0.01	0.01	0.20	0.11	< 0.005	< 0.005	7.42	7.42	< 0.005	0.74	0.74	—	81.6	81.6	< 0.005	0.01	< 0.005	85.4

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.40	0.37	< 0.005	0.02	—	0.02	0.02	—	0.02	—	80.3	80.3	< 0.005	< 0.005	—	80.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.21	0.21	< 0.005	0.02	0.02	—	2.45	2.45	< 0.005	< 0.005	< 0.005	2.57
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.07	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.3	13.3	< 0.005	< 0.005	—	13.3
Dust From Material Movement	—	—	—	—	—	—	0.01	0.01	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	0.41	0.41	< 0.005	< 0.005	< 0.005	0.43
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	112	112	< 0.005	< 0.005	0.01	113
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.05	0.02	1.70	0.39	0.01	0.03	0.37	0.40	0.03	0.10	0.13	—	1,349	1,349	0.01	0.21	0.07	1,412
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.44	3.44	< 0.005	< 0.005	0.01	3.49
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.63	1.63	< 0.005	< 0.005	< 0.005	1.69

Hauling	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	40.6	40.6	< 0.005	0.01	0.04	42.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.57	0.57	< 0.005	< 0.005	< 0.005	0.58
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.27	0.27	< 0.005	< 0.005	< 0.005	0.28
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.73	6.73	< 0.005	< 0.005	0.01	7.05

3.15. SR 84 Site demobilization (2026) - 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	0.20	0.17	1.71	2.94	< 0.005	0.07	—	0.07	0.06	—	0.06	—	443	443	0.02	< 0.005	—	444
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	7.36	7.36	< 0.005	0.73	0.74	—	20.4	20.4	< 0.005	< 0.005	< 0.005	21.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.1	12.1	< 0.005	< 0.005	—	12.2
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.19	0.19	< 0.005	0.02	0.02	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.01	2.01	< 0.005	< 0.005	—	2.02
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.26	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63.9	63.9	< 0.005	< 0.005	0.01	64.7
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.02	0.01	0.85	0.19	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	674	674	0.01	0.10	0.03	706
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.54
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	< 0.005	< 0.005	0.02	19.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.06	3.06	< 0.005	< 0.005	< 0.005	3.20

3.16. SR 84 Site demobilization (2026) - 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	0.20	0.17	1.71	2.94	< 0.005	0.07	—	0.07	0.06	—	0.06	—	443	443	0.02	< 0.005	—	444
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19	—	20.4	20.4	< 0.005	< 0.005	< 0.005	21.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.05	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	12.1	12.1	< 0.005	< 0.005	—	12.2
Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.05	0.05	< 0.005	< 0.005	< 0.005	—	0.56	0.56	< 0.005	< 0.005	< 0.005	0.58
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	2.01	2.01	< 0.005	< 0.005	—	2.02

Dust From Material Movement	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.09	0.09	< 0.005	< 0.005	< 0.005	0.10
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.26	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	63.9	63.9	< 0.005	< 0.005	0.01	64.7
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.02	0.01	0.85	0.19	< 0.005	0.01	0.19	0.20	0.01	0.05	0.06	—	674	674	0.01	0.10	0.03	706
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.78	1.78	< 0.005	< 0.005	< 0.005	1.81
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	< 0.005	—	1.48	1.48	< 0.005	< 0.005	< 0.005	1.54
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	18.5	18.5	< 0.005	< 0.005	0.02	19.3
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.30
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.25
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.06	3.06	< 0.005	< 0.005	< 0.005	3.20

3.17. Habitat Restoration (2026) - 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	1.11	5.95	63.4	0.11	0.22	—	0.22	0.22	—	0.22	—	11,733	11,733	0.48	0.10	—	11,773
Dust From Material Movement	—	—	—	—	—	—	17.0	17.0	—	7.17	7.17	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	7.36	7.36	< 0.005	0.73	0.74	—	20.3	20.3	< 0.005	< 0.005	0.03	21.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	1.11	5.95	63.4	0.11	0.22	—	0.22	0.22	—	0.22	—	11,733	11,733	0.48	0.10	—	11,773
Dust From Material Movement	—	—	—	—	—	—	17.0	17.0	—	7.17	7.17	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	7.36	7.36	< 0.005	0.73	0.74	—	20.4	20.4	< 0.005	< 0.005	< 0.005	21.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.52	2.80	29.9	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548
Dust From Material Movement	—	—	—	—	—	—	8.02	8.02	—	3.38	3.38	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	3.27	3.27	< 0.005	0.33	0.33	—	9.58	9.58	< 0.005	< 0.005	0.01	10.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	5.45	0.01	0.02	—	0.02	0.02	—	0.02	—	915	915	0.04	0.01	—	919

Dust From Material Movement	—	—	—	—	—	—	1.46	1.46	—	0.62	0.62	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.60	0.60	< 0.005	0.06	0.06	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.66
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.19	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	265	265	< 0.005	0.01	0.94	269
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.01	0.01	0.31	0.08	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	270	270	< 0.005	0.04	0.54	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	0.99	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	239	239	0.01	0.01	0.02	243
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.01	< 0.005	0.34	0.08	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	270	270	< 0.005	0.04	0.01	282
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.19	117
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.67	0.67	< 0.005	0.07	0.07	—	25.4	25.4	< 0.005	< 0.005	0.03	26.5
Hauling	< 0.005	< 0.005	0.16	0.04	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	< 0.005	0.02	0.11	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	—	4.21	4.21	< 0.005	< 0.005	< 0.005	4.38
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.0	21.0	< 0.005	< 0.005	0.02	22.0

3.18. Habitat Restoration (2026) - 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	1.11	1.11	5.95	63.4	0.11	0.22	—	0.22	0.22	—	0.22	—	11,733	11,733	0.48	0.10	—	11,773
Dust From Material Movemen	—	—	—	—	—	—	6.64	6.64	—	2.80	2.80	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19	—	20.3	20.3	< 0.005	< 0.005	0.03	21.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.11	1.11	5.95	63.4	0.11	0.22	—	0.22	0.22	—	0.22	—	11,733	11,733	0.48	0.10	—	11,773
Dust From Material Movemen	—	—	—	—	—	—	6.64	6.64	—	2.80	2.80	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	1.86	1.86	< 0.005	0.19	0.19	—	20.4	20.4	< 0.005	< 0.005	< 0.005	21.4
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.52	2.80	29.9	0.05	0.10	—	0.10	0.10	—	0.10	—	5,529	5,529	0.22	0.04	—	5,548
Dust From Material Movemen	—	—	—	—	—	—	3.13	3.13	—	1.32	1.32	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	0.83	0.83	< 0.005	0.08	0.08	—	9.58	9.58	< 0.005	< 0.005	0.01	10.0

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	5.45	0.01	0.02	—	0.02	0.02	—	0.02	—	915	915	0.04	0.01	—	919
Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.24	0.24	—	—	—	—	—	—	—
Onsite truck	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	0.15	0.15	< 0.005	0.02	0.02	—	1.59	1.59	< 0.005	< 0.005	< 0.005	1.66
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.07	1.19	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	265	265	< 0.005	0.01	0.94	269
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	53.9	53.9	< 0.005	0.01	0.13	56.2
Hauling	0.01	0.01	0.31	0.08	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	270	270	< 0.005	0.04	0.54	283
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	0.99	0.00	0.00	0.25	0.25	0.00	0.06	0.06	—	239	239	0.01	0.01	0.02	243
Vendor	< 0.005	< 0.005	0.07	0.03	< 0.005	< 0.005	1.50	1.50	< 0.005	0.15	0.15	—	54.0	54.0	< 0.005	0.01	< 0.005	56.1
Hauling	0.01	< 0.005	0.34	0.08	< 0.005	0.01	0.07	0.08	0.01	0.02	0.03	—	270	270	< 0.005	0.04	0.01	282
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.04	0.46	0.00	0.00	0.12	0.12	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.19	117
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.67	0.67	< 0.005	0.07	0.07	—	25.4	25.4	< 0.005	< 0.005	0.03	26.5
Hauling	< 0.005	< 0.005	0.16	0.04	< 0.005	< 0.005	0.03	0.04	< 0.005	0.01	0.01	—	127	127	< 0.005	0.02	0.11	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.1	19.1	< 0.005	< 0.005	0.03	19.3
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	0.12	0.12	< 0.005	0.01	0.01	—	4.21	4.21	< 0.005	< 0.005	< 0.005	4.38
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.0	21.0	< 0.005	< 0.005	0.02	22.0

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
SR 84 Mobilization	Linear, Grubbing & Land Clearing	5/4/2026	5/14/2026	6.00	10.0	—
SR 84 Shoofly	Linear, Grubbing & Land Clearing	5/11/2026	6/5/2026	6.00	23.0	—
SR 84 Bridge Excavation	Linear, Grading & Excavation	6/8/2026	6/19/2026	6.00	11.0	—
SR 84 Bridge Foundation	Linear, Drainage, Utilities, & Sub-Grade	6/22/2026	7/17/2026	6.00	23.0	—

SR 84 Bridge Superstructure	Linear, Drainage, Utilities, & Sub-Grade	7/13/2026	10/9/2026	6.00	77.0	—
SR 84 Roadwork	Linear, Drainage, Utilities, & Sub-Grade	9/14/2026	10/9/2026	6.00	23.0	—
SR 84 Shoofly Removal	Linear, Drainage, Utilities, & Sub-Grade	10/12/2026	10/23/2026	6.00	11.0	—
SR 84 Site demobilization	Linear, Drainage, Utilities, & Sub-Grade	10/26/2026	11/5/2026	6.00	10.0	—
Habitat Restoration	Linear, Drainage, Utilities, & Sub-Grade	4/15/2026	10/31/2026	6.00	172	—

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
SR 84 Mobilization	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Mobilization	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
SR 84 Shoofly	Cranes	Diesel	Average	1.00	8.00	367	0.29
SR 84 Shoofly	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Shoofly	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Shoofly	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
SR 84 Shoofly	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
SR 84 Shoofly	Graders	Diesel	Average	1.00	8.00	148	0.41
SR 84 Shoofly	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
SR 84 Shoofly	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
SR 84 Bridge Excavation	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Bridge Excavation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40

SR 84 Bridge Foundation	Cranes	Diesel	Average	1.00	8.00	367	0.29
SR 84 Bridge Foundation	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
SR 84 Bridge Foundation	Air Compressors	Diesel	Average	1.00	2.00	37.0	0.48
SR 84 Bridge Superstructure	Cranes	Diesel	Average	1.00	2.00	367	0.29
SR 84 Bridge Superstructure	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
SR 84 Bridge Superstructure	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Bridge Superstructure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
SR 84 Bridge Superstructure	Air Compressors	Diesel	Average	1.00	4.00	37.0	0.48
SR 84 Bridge Superstructure	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
SR 84 Roadwork	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Roadwork	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
SR 84 Roadwork	Graders	Diesel	Average	6.00	8.00	148	0.41
SR 84 Roadwork	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
SR 84 Roadwork	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
SR 84 Shoofly Removal	Cranes	Diesel	Average	1.00	8.00	367	0.29
SR 84 Shoofly Removal	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Shoofly Removal	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Shoofly Removal	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
SR 84 Site demobilization	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Site demobilization	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37

Habitat Restoration	Scrapers	Diesel	Tier 4 Final	3.00	8.00	500	0.48
Habitat Restoration	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	150	0.40
Habitat Restoration	Excavators	Diesel	Tier 4 Final	2.00	8.00	328	0.38
Habitat Restoration	Graders	Diesel	Tier 4 Final	1.00	8.00	174	0.41
Habitat Restoration	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	88.0	0.36
Habitat Restoration	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Habitat Restoration	Pumps	Diesel	Tier 4 Final	1.00	4.00	11.0	0.74

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
SR 84 Mobilization	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Mobilization	Skid Steer Loaders	Diesel	Average	1.00	8.00	71.0	0.37
SR 84 Shoofly	Cranes	Diesel	Average	1.00	8.00	367	0.29
SR 84 Shoofly	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Shoofly	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Shoofly	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
SR 84 Shoofly	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
SR 84 Shoofly	Graders	Diesel	Average	1.00	8.00	148	0.41
SR 84 Shoofly	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
SR 84 Shoofly	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
SR 84 Bridge Excavation	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Bridge Excavation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
SR 84 Bridge Foundation	Cranes	Diesel	Average	1.00	8.00	367	0.29

SR 84 Bridge Foundation	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
SR 84 Bridge Foundation	Air Compressors	Diesel	Average	1.00	2.00	37.0	0.48
SR 84 Bridge Superstructure	Cranes	Diesel	Average	1.00	2.00	367	0.29
SR 84 Bridge Superstructure	Forklifts	Diesel	Average	1.00	4.00	82.0	0.20
SR 84 Bridge Superstructure	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Bridge Superstructure	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
SR 84 Bridge Superstructure	Air Compressors	Diesel	Average	1.00	4.00	37.0	0.48
SR 84 Bridge Superstructure	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
SR 84 Roadwork	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Roadwork	Plate Compactors	Diesel	Average	1.00	8.00	8.00	0.43
SR 84 Roadwork	Graders	Diesel	Average	6.00	8.00	148	0.41
SR 84 Roadwork	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
SR 84 Roadwork	Pavers	Diesel	Average	1.00	8.00	81.0	0.42
SR 84 Shoofly Removal	Cranes	Diesel	Average	1.00	8.00	367	0.29
SR 84 Shoofly Removal	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Shoofly Removal	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
SR 84 Shoofly Removal	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
SR 84 Site demobilization	Forklifts	Diesel	Average	1.00	8.00	82.0	0.20
SR 84 Site demobilization	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Habitat Restoration	Scrapers	Diesel	Tier 4 Final	3.00	8.00	500	0.48
Habitat Restoration	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	150	0.40

Habitat Restoration	Excavators	Diesel	Tier 4 Final	2.00	8.00	328	0.38
Habitat Restoration	Graders	Diesel	Tier 4 Final	1.00	8.00	174	0.41
Habitat Restoration	Rubber Tired Loaders	Diesel	Tier 4 Final	1.00	8.00	88.0	0.36
Habitat Restoration	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	84.0	0.37
Habitat Restoration	Pumps	Diesel	Tier 4 Final	1.00	4.00	11.0	0.74

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
SR 84 Mobilization	—	—	—	—
SR 84 Mobilization	Worker	8.00	11.7	LDA,LDT1,LDT2
SR 84 Mobilization	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Mobilization	Hauling	10.0	20.0	HHDT
SR 84 Mobilization	Onsite truck	2.00	2.50	HHDT
SR 84 Shoofly	—	—	—	—
SR 84 Shoofly	Worker	20.0	11.7	LDA,LDT1,LDT2
SR 84 Shoofly	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Shoofly	Hauling	20.0	20.0	HHDT
SR 84 Shoofly	Onsite truck	8.00	2.50	HHDT
SR 84 Bridge Excavation	—	—	—	—
SR 84 Bridge Excavation	Worker	14.0	11.7	LDA,LDT1,LDT2
SR 84 Bridge Excavation	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Bridge Excavation	Hauling	20.0	20.0	HHDT
SR 84 Bridge Excavation	Onsite truck	8.00	2.50	HHDT
SR 84 Bridge Foundation	—	—	—	—
SR 84 Bridge Foundation	Worker	14.0	11.7	LDA,LDT1,LDT2

SR 84 Bridge Foundation	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Bridge Foundation	Hauling	2.00	20.0	HHDT
SR 84 Bridge Foundation	Onsite truck	2.00	2.50	HHDT
SR 84 Bridge Superstructure	—	—	—	—
SR 84 Bridge Superstructure	Worker	30.0	11.7	LDA,LDT1,LDT2
SR 84 Bridge Superstructure	Vendor	4.00	8.40	HHDT,MHDT
SR 84 Bridge Superstructure	Hauling	2.00	60.0	HHDT
SR 84 Bridge Superstructure	Onsite truck	0.00	2.50	HHDT
SR 84 Roadwork	—	—	—	—
SR 84 Roadwork	Worker	20.0	11.7	LDA,LDT1,LDT2
SR 84 Roadwork	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Roadwork	Hauling	20.0	20.0	HHDT
SR 84 Roadwork	Onsite truck	8.00	2.50	HHDT
SR 84 Shoofly Removal	—	—	—	—
SR 84 Shoofly Removal	Worker	14.0	11.7	LDA,LDT1,LDT2
SR 84 Shoofly Removal	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Shoofly Removal	Hauling	20.0	20.0	HHDT
SR 84 Shoofly Removal	Onsite truck	8.00	2.50	HHDT
SR 84 Site demobilization	—	—	—	—
SR 84 Site demobilization	Worker	8.00	11.7	LDA,LDT1,LDT2
SR 84 Site demobilization	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Site demobilization	Hauling	10.0	20.0	HHDT
SR 84 Site demobilization	Onsite truck	2.00	2.50	HHDT
Habitat Restoration	—	—	—	—
Habitat Restoration	Worker	30.0	11.7	LDA,LDT1,LDT2
Habitat Restoration	Vendor	2.00	8.40	HHDT,MHDT
Habitat Restoration	Hauling	4.00	20.0	HHDT

Habitat Restoration	Onsite truck	2.00	2.50	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
SR 84 Mobilization	—	—	—	—
SR 84 Mobilization	Worker	8.00	11.7	LDA,LDT1,LDT2
SR 84 Mobilization	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Mobilization	Hauling	10.0	20.0	HHDT
SR 84 Mobilization	Onsite truck	2.00	2.50	HHDT
SR 84 Shoofly	—	—	—	—
SR 84 Shoofly	Worker	20.0	11.7	LDA,LDT1,LDT2
SR 84 Shoofly	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Shoofly	Hauling	20.0	20.0	HHDT
SR 84 Shoofly	Onsite truck	8.00	2.50	HHDT
SR 84 Bridge Excavation	—	—	—	—
SR 84 Bridge Excavation	Worker	14.0	11.7	LDA,LDT1,LDT2
SR 84 Bridge Excavation	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Bridge Excavation	Hauling	20.0	20.0	HHDT
SR 84 Bridge Excavation	Onsite truck	8.00	2.50	HHDT
SR 84 Bridge Foundation	—	—	—	—
SR 84 Bridge Foundation	Worker	14.0	11.7	LDA,LDT1,LDT2
SR 84 Bridge Foundation	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Bridge Foundation	Hauling	2.00	20.0	HHDT
SR 84 Bridge Foundation	Onsite truck	2.00	2.50	HHDT
SR 84 Bridge Superstructure	—	—	—	—
SR 84 Bridge Superstructure	Worker	30.0	11.7	LDA,LDT1,LDT2
SR 84 Bridge Superstructure	Vendor	4.00	8.40	HHDT,MHDT

SR 84 Bridge Superstructure	Hauling	2.00	60.0	HHDT
SR 84 Bridge Superstructure	Onsite truck	0.00	2.50	HHDT
SR 84 Roadwork	—	—	—	—
SR 84 Roadwork	Worker	20.0	11.7	LDA,LDT1,LDT2
SR 84 Roadwork	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Roadwork	Hauling	20.0	20.0	HHDT
SR 84 Roadwork	Onsite truck	8.00	2.50	HHDT
SR 84 Shoofly Removal	—	—	—	—
SR 84 Shoofly Removal	Worker	14.0	11.7	LDA,LDT1,LDT2
SR 84 Shoofly Removal	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Shoofly Removal	Hauling	20.0	20.0	HHDT
SR 84 Shoofly Removal	Onsite truck	8.00	2.50	HHDT
SR 84 Site demobilization	—	—	—	—
SR 84 Site demobilization	Worker	8.00	11.7	LDA,LDT1,LDT2
SR 84 Site demobilization	Vendor	2.00	8.40	HHDT,MHDT
SR 84 Site demobilization	Hauling	10.0	20.0	HHDT
SR 84 Site demobilization	Onsite truck	2.00	2.50	HHDT
Habitat Restoration	—	—	—	—
Habitat Restoration	Worker	30.0	11.7	LDA,LDT1,LDT2
Habitat Restoration	Vendor	2.00	8.40	HHDT,MHDT
Habitat Restoration	Hauling	4.00	20.0	HHDT
Habitat Restoration	Onsite truck	2.00	2.50	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)

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 (Ton of Debris)	Acres Paved (acres)
SR 84 Mobilization	0.00	0.00	0.15	0.00	—
SR 84 Shoofly	2,000	0.00	0.32	0.00	—
SR 84 Bridge Excavation	1,500	0.00	0.09	0.00	—
SR 84 Bridge Foundation	0.00	0.00	0.00	0.00	—
SR 84 Bridge Superstructure	0.00	0.00	0.00	0.00	—
SR 84 Roadwork	400	0.00	0.25	200	—
SR 84 Shoofly Removal	2,000	0.00	0.32	0.00	—
SR 84 Site demobilization	0.00	0.00	0.15	0.00	—
Habitat Restoration	230,000	0.00	320	0.00	—

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
Bridge/Overpass Construction	350	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2026	0.00	204	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)
Willow	60.0	115,317	571

Alder	60.0	78,745	254
Cottonwood	60.0	79,560	257
Walnut	60.0	74,030	239
Oak	60.0	78,754	254
Willow	-9.00	17,298	85.6
Alder	-4.00	5,250	16.9
Cottonwood	-2.00	2,652	8.60
Oak	-1.00	1,876	9.20

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
Willow	60.0	115,317	571
Alder	60.0	78,745	254
Cottonwood	60.0	79,560	257
Walnut	60.0	74,030	239
Oak	60.0	78,754	254
Willow	-9.00	17,298	85.6
Alder	-4.00	5,250	16.9
Cottonwood	-2.00	2,652	8.60
Oak	-1.00	1,876	9.20

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	23.8	annual days of extreme heat
Extreme Precipitation	2.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	11.0	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 (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
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	2	0	0	N/A
Extreme Precipitation	1	0	0	N/A
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	0	0	N/A
Flooding	0	0	0	N/A
Drought	0	0	0	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	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	2	1	1	3
Extreme Precipitation	1	1	1	2
Sea Level Rise	N/A	N/A	N/A	N/A
Wildfire	1	1	1	2
Flooding	1	1	1	2
Drought	1	1	1	2
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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	35.3
AQ-PM	16.6
AQ-DPM	7.67
Drinking Water	62.6
Lead Risk Housing	17.0

Pesticides	76.2
Toxic Releases	38.6
Traffic	7.65
Effect Indicators	—
CleanUp Sites	61.7
Groundwater	95.7
Haz Waste Facilities/Generators	92.3
Impaired Water Bodies	99.0
Solid Waste	97.9
Sensitive Population	—
Asthma	85.8
Cardio-vascular	84.6
Low Birth Weights	90.7
Socioeconomic Factor Indicators	—
Education	44.9
Housing	37.5
Linguistic	32.0
Poverty	48.9
Unemployment	—

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	55.12639548
Employed	6.582830746
Median HI	48.659053

Education	—
Bachelor's or higher	49.15950212
High school enrollment	100
Preschool enrollment	73.18105993
Transportation	—
Auto Access	57.21801617
Active commuting	64.73758501
Social	—
2-parent households	52.4573335
Voting	80.5338124
Neighborhood	—
Alcohol availability	67.04735019
Park access	20.17194919
Retail density	3.27216733
Supermarket access	35.35223919
Tree canopy	68.22789683
Housing	—
Homeownership	71.19209547
Housing habitability	84.66572565
Low-inc homeowner severe housing cost burden	60.91364045
Low-inc renter severe housing cost burden	71.98768125
Uncrowded housing	83.16437829
Health Outcomes	—
Insured adults	34.59514949
Arthritis	0.0
Asthma ER Admissions	29.6
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	29.9
Cognitively Disabled	28.0
Physically Disabled	7.8
Heart Attack ER Admissions	26.8
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	77.3
Children	86.0
Elderly	1.3
English Speaking	64.4
Foreign-born	25.0
Outdoor Workers	14.1

Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.0
Traffic Density	23.1
Traffic Access	23.0
Other Indices	—
Hardship	57.9
Other Decision Support	—
2016 Voting	93.7

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	78.0
Healthy Places Index Score for Project Location (b)	50.0
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
Construction: Construction Phases	Info provided by applicant.
Construction: Dust From Material Movement	Info provided by applicant.
Construction: Demolition	Information provided by applicant.
Construction: Off-Road Equipment	Applicant provided information.
Construction: Trips and VMT	Applicant provided information.
Construction: Off-Road Equipment EF	Manually entered pump tier 4 final EF.
Construction: On-Road Fugitive Dust	Applicant provided that workers would come from Woodland, Dixon, and Sacramento traveling exclusively on paved roads. Hauling truck route would be from the CEMEX Cache Creek Concrete and Quarry (30288 CA-16, Woodland, CA) Via I-505 to I-80 to SR-12 to SR-84, all of which is 100% paved.

Cache Slough Mitigation Bank - 1/30/2024 Sequestration Only Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Cache Slough Mitigation Bank - 1/30/2024 Sequestration Only
Construction Start Date	4/15/2026
Operational Year	2026
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	5.70
Precipitation (days)	20.6
Location	3338 CA-84, Walnut Grove, CA 95690, USA
County	Solano-Sacramento
City	Unincorporated
Air District	Yolo/Solano AQMD
Air Basin	Sacramento Valley
TAZ	878
EDFZ	4
Electric Utility	Pacific Gas & Electric Company
Gas Utility	Pacific Gas & Electric
App Version	2022.1.1.21

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-7.91	-7.91	—	—	—	-7.91
Alder	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.93	-4.93	—	—	—	-4.93
Cottonwood	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.17	-5.17	—	—	—	-5.17
Oak	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.14	-5.14	—	—	—	-5.14
Walnut	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.97	-4.97	—	—	—	-4.97
Subtotal	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-28.1	-28.1	—	—	—	-28.1
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	—	—	—	—	—	—	—	—	—	—	—	-8.04	-8.04	—	—	—	-8.04
Alder	—	—	—	—	—	—	—	—	—	—	—	—	-9.20	-9.20	—	—	—	-9.20
Cottonwood	—	—	—	—	—	—	—	—	—	—	—	—	-15.1	-15.1	—	—	—	-15.1
Oak	—	—	—	—	—	—	—	—	—	—	—	—	-20.4	-20.4	—	—	—	-20.4
Walnut	—	—	—	—	—	—	—	—	—	—	—	—	-17.5	-17.5	—	—	—	-17.5
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-70.3	-70.3	—	—	—	-70.3
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Alder	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cottonwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Oak	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Walnut	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.02	—	-0.02	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.01	-0.03	—	-0.03	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-98.4	-98.4	—	—	—	-98.4
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-7.91	-7.91	—	—	—	-7.91
Alder	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.93	-4.93	—	—	—	-4.93
Cottonwood	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.17	-5.17	—	—	—	-5.17
Oak	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-5.14	-5.14	—	—	—	-5.14
Walnut	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.97	-4.97	—	—	—	-4.97
Subtotal	—	-0.01	> -0.005	—	-0.01	-0.02	-0.02	-0.03	> -0.005	> -0.005	-0.01	—	-28.1	-28.1	—	—	—	-28.1
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	—	—	—	—	—	—	—	—	—	—	—	-8.04	-8.04	—	—	—	-8.04
Alder	—	—	—	—	—	—	—	—	—	—	—	—	-9.20	-9.20	—	—	—	-9.20
Cottonwood	—	—	—	—	—	—	—	—	—	—	—	—	-15.1	-15.1	—	—	—	-15.1
Oak	—	—	—	—	—	—	—	—	—	—	—	—	-20.4	-20.4	—	—	—	-20.4
Walnut	—	—	—	—	—	—	—	—	—	—	—	—	-17.5	-17.5	—	—	—	-17.5
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-70.3	-70.3	—	—	—	-70.3
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Alder	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cottonwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Oak	—	—	-0.01	—	-0.01	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Walnut	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	-0.02	—	-0.02	-0.01	-0.01	-0.03	> -0.005	> -0.005	-0.01	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	-0.01	-0.03	—	-0.03	-0.03	-0.03	-0.06	-0.01	-0.01	-0.02	—	-98.4	-98.4	—	—	—	-98.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-1.31	-1.31	—	—	—	-1.31
Alder	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.82	-0.82	—	—	—	-0.82
Cottonwood	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.86	-0.86	—	—	—	-0.86
Oak	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.85	-0.85	—	—	—	-0.85
Walnut	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	-0.82	-0.82	—	—	—	-0.82
Subtotal	—	> -0.005	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	-4.65	-4.65	—	—	—	-4.65
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	—	—	—	—	—	—	—	—	—	—	—	-1.33	-1.33	—	—	—	-1.33
Alder	—	—	—	—	—	—	—	—	—	—	—	—	-1.52	-1.52	—	—	—	-1.52
Cottonwood	—	—	—	—	—	—	—	—	—	—	—	—	-2.50	-2.50	—	—	—	-2.50
Oak	—	—	—	—	—	—	—	—	—	—	—	—	-3.39	-3.39	—	—	—	-3.39
Walnut	—	—	—	—	—	—	—	—	—	—	—	—	-2.89	-2.89	—	—	—	-2.89
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	-11.6	-11.6	—	—	—	-11.6
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Willow	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Alder	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Cottonwood	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—

Oak	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Walnut	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
Subtotal	—	—	> -0.005	—	> -0.005	> -0.005	> -0.005	-0.01	> -0.005	> -0.005	> -0.005	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	> -0.005	> -0.005	—	-0.01	-0.01	-0.01	-0.01	> -0.005	> -0.005	> -0.005	—	-16.3	-16.3	—	—	—	-16.3