

# **APPENDIX A**

## **AIR QUALITY MODELING OUTPUTS**



Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**Rutter Swim Center and Park Rehabilitation  
Sacramento County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Parking Lot	1.50	Acre	1.50	65,340.00	0
City Park	8.00	Acre	8.00	348,480.00	0
Racquet Club	5.00	1000sqft	0.11	5,000.00	0
Recreational Swimming Pool	8.00	1000sqft	0.18	8,000.00	0

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	3.5	<b>Precipitation Freq (Days)</b>	58
<b>Climate Zone</b>	6			<b>Operational Year</b>	2022
<b>Utility Company</b>	Sacramento Municipal Utility District				
<b>CO2 Intensity (lb/MW hr)</b>	590.31	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

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Project Characteristics -

Land Use - 1.5 acres of parking lot includes redevelopment of existing swim center to parking lot plus resurfacing and upgrading existing parking lot (no building space)

8 acres of city park includes portion of park to be improved, trail extension and new baseball field

5,000 square of racquet club includes aquatic facility and equipment building

Demolition - Estimated square footage of existing swim center buildings

Grading -

Construction Phase -

Table Name	Column Name	Default Value	New Value
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**2.0 Emissions Summary**

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Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	4-1-2020	6-30-2020	1.1186	1.1186
2	7-1-2020	9-30-2020	1.0001	1.0001
3	10-1-2020	12-31-2020	1.0069	1.0069
4	1-1-2021	3-31-2021	0.8943	0.8943
5	4-1-2021	6-30-2021	0.4633	0.4633
		Highest	1.1186	1.1186

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0303	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Energy	9.7000e-004	8.7800e-003	7.3700e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	36.0012	36.0012	1.4800e-003	4.4000e-004	36.1706
Mobile	0.0887	0.3503	0.8483	2.4400e-003	0.2045	2.2400e-003	0.2067	0.0548	2.0900e-003	0.0569	0.0000	224.5161	224.5161	0.0116	0.0000	224.8066
Waste						0.0000	0.0000		0.0000	0.0000	15.1817	0.0000	15.1817	0.8972	0.0000	37.6120
Water						0.0000	0.0000		0.0000	0.0000	0.2720	10.4003	10.6723	1.4500e-003	7.0000e-004	10.9163
<b>Total</b>	<b>0.1200</b>	<b>0.3591</b>	<b>0.8560</b>	<b>2.4900e-003</b>	<b>0.2045</b>	<b>2.9100e-003</b>	<b>0.2074</b>	<b>0.0548</b>	<b>2.7600e-003</b>	<b>0.0576</b>	<b>15.4537</b>	<b>270.9181</b>	<b>286.3718</b>	<b>0.9118</b>	<b>1.1400e-003</b>	<b>309.5060</b>

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**2.2 Overall Operational**

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	0.0303	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Energy	9.7000e-004	8.7800e-003	7.3700e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	36.0012	36.0012	1.4800e-003	4.4000e-004	36.1706
Mobile	0.0887	0.3503	0.8483	2.4400e-003	0.2045	2.2400e-003	0.2067	0.0548	2.0900e-003	0.0569	0.0000	224.5161	224.5161	0.0116	0.0000	224.8066
Waste						0.0000	0.0000		0.0000	0.0000	15.1817	0.0000	15.1817	0.8972	0.0000	37.6120
Water						0.0000	0.0000		0.0000	0.0000	0.2720	10.4003	10.6723	1.4500e-003	7.0000e-004	10.9163
<b>Total</b>	<b>0.1200</b>	<b>0.3591</b>	<b>0.8560</b>	<b>2.4900e-003</b>	<b>0.2045</b>	<b>2.9100e-003</b>	<b>0.2074</b>	<b>0.0548</b>	<b>2.7600e-003</b>	<b>0.0576</b>	<b>15.4537</b>	<b>270.9181</b>	<b>286.3718</b>	<b>0.9118</b>	<b>1.1400e-003</b>	<b>309.5060</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**3.0 Construction Detail**

**Construction Phase**

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Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	4/1/2020	4/28/2020	5	20	
2	Site Preparation	Site Preparation	4/29/2020	5/12/2020	5	10	
3	Grading	Grading	5/13/2020	6/9/2020	5	20	
4	Building Construction	Building Construction	6/10/2020	4/27/2021	5	230	
5	Paving	Paving	4/28/2021	5/25/2021	5	20	
6	Architectural Coating	Architectural Coating	5/26/2021	6/22/2021	5	20	

**Acres of Grading (Site Preparation Phase): 0**

**Acres of Grading (Grading Phase): 10**

**Acres of Paving: 1.5**

**Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 7,506; Non-Residential Outdoor: 2,502; Striped Parking Area: 3,920 (Architectural Coating – sqft)**

**OffRoad Equipment**



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Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Demolition	Excavators	3	8.00	158	0.38
Demolition	Rubber Tired Dozers	2	8.00	247	0.40
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

**Trips and VMT**

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	14.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	179.00	70.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	36.00	0.00	0.00	10.00	6.50	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 2020

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5400e-003	0.0000	1.5400e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2386
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>1.5400e-003</b>	<b>0.0166</b>	<b>0.0181</b>	<b>2.3000e-004</b>	<b>0.0154</b>	<b>0.0157</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2386</b>

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**3.2 Demolition - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.0100e-003	4.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5356	0.5356	3.0000e-005	0.0000	0.5364
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.8000e-004	4.1500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9761	0.9761	3.0000e-005	0.0000	0.9768
<b>Total</b>	<b>6.1000e-004</b>	<b>2.3900e-003</b>	<b>4.6000e-003</b>	<b>2.0000e-005</b>	<b>1.2200e-003</b>	<b>2.0000e-005</b>	<b>1.2400e-003</b>	<b>3.2000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.5117</b>	<b>1.5117</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.5132</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					1.5400e-003	0.0000	1.5400e-003	2.3000e-004	0.0000	2.3000e-004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0331	0.3320	0.2175	3.9000e-004		0.0166	0.0166		0.0154	0.0154	0.0000	33.9986	33.9986	9.6000e-003	0.0000	34.2385
<b>Total</b>	<b>0.0331</b>	<b>0.3320</b>	<b>0.2175</b>	<b>3.9000e-004</b>	<b>1.5400e-003</b>	<b>0.0166</b>	<b>0.0181</b>	<b>2.3000e-004</b>	<b>0.0154</b>	<b>0.0157</b>	<b>0.0000</b>	<b>33.9986</b>	<b>33.9986</b>	<b>9.6000e-003</b>	<b>0.0000</b>	<b>34.2385</b>

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**3.2 Demolition - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	5.0000e-005	2.0100e-003	4.5000e-004	1.0000e-005	1.2000e-004	1.0000e-005	1.3000e-004	3.0000e-005	1.0000e-005	4.0000e-005	0.0000	0.5356	0.5356	3.0000e-005	0.0000	0.5364
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.8000e-004	4.1500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9761	0.9761	3.0000e-005	0.0000	0.9768
<b>Total</b>	<b>6.1000e-004</b>	<b>2.3900e-003</b>	<b>4.6000e-003</b>	<b>2.0000e-005</b>	<b>1.2200e-003</b>	<b>2.0000e-005</b>	<b>1.2400e-003</b>	<b>3.2000e-004</b>	<b>2.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.5117</b>	<b>1.5117</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>1.5132</b>

**3.3 Site Preparation - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

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**3.3 Site Preparation - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.3000e-004	2.4900e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5857	0.5857	2.0000e-005	0.0000	0.5861
<b>Total</b>	<b>3.4000e-004</b>	<b>2.3000e-004</b>	<b>2.4900e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5857</b>	<b>0.5857</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5861</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0903	0.0000	0.0903	0.0497	0.0000	0.0497	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0204	0.2121	0.1076	1.9000e-004		0.0110	0.0110		0.0101	0.0101	0.0000	16.7153	16.7153	5.4100e-003	0.0000	16.8505
<b>Total</b>	<b>0.0204</b>	<b>0.2121</b>	<b>0.1076</b>	<b>1.9000e-004</b>	<b>0.0903</b>	<b>0.0110</b>	<b>0.1013</b>	<b>0.0497</b>	<b>0.0101</b>	<b>0.0598</b>	<b>0.0000</b>	<b>16.7153</b>	<b>16.7153</b>	<b>5.4100e-003</b>	<b>0.0000</b>	<b>16.8505</b>

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**3.3 Site Preparation - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.4000e-004	2.3000e-004	2.4900e-003	1.0000e-005	6.6000e-004	0.0000	6.7000e-004	1.8000e-004	0.0000	1.8000e-004	0.0000	0.5857	0.5857	2.0000e-005	0.0000	0.5861
<b>Total</b>	<b>3.4000e-004</b>	<b>2.3000e-004</b>	<b>2.4900e-003</b>	<b>1.0000e-005</b>	<b>6.6000e-004</b>	<b>0.0000</b>	<b>6.7000e-004</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>0.5857</b>	<b>0.5857</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.5861</b>

**3.4 Grading - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0588	26.0588	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0655</b>	<b>0.0127</b>	<b>0.0783</b>	<b>0.0337</b>	<b>0.0117</b>	<b>0.0454</b>	<b>0.0000</b>	<b>26.0588</b>	<b>26.0588</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

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**3.4 Grading - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.8000e-004	4.1500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9761	0.9761	3.0000e-005	0.0000	0.9768
<b>Total</b>	<b>5.6000e-004</b>	<b>3.8000e-004</b>	<b>4.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9761</b>	<b>0.9761</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9768</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.0655	0.0000	0.0655	0.0337	0.0000	0.0337	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0243	0.2639	0.1605	3.0000e-004		0.0127	0.0127		0.0117	0.0117	0.0000	26.0587	26.0587	8.4300e-003	0.0000	26.2694
<b>Total</b>	<b>0.0243</b>	<b>0.2639</b>	<b>0.1605</b>	<b>3.0000e-004</b>	<b>0.0655</b>	<b>0.0127</b>	<b>0.0783</b>	<b>0.0337</b>	<b>0.0117</b>	<b>0.0454</b>	<b>0.0000</b>	<b>26.0587</b>	<b>26.0587</b>	<b>8.4300e-003</b>	<b>0.0000</b>	<b>26.2694</b>

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**3.4 Grading - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.6000e-004	3.8000e-004	4.1500e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9761	0.9761	3.0000e-005	0.0000	0.9768
<b>Total</b>	<b>5.6000e-004</b>	<b>3.8000e-004</b>	<b>4.1500e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9761</b>	<b>0.9761</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>0.9768</b>

**3.5 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1558	1.4102	1.2384	1.9800e-003		0.0821	0.0821		0.0772	0.0772	0.0000	170.2333	170.2333	0.0415	0.0000	171.2716
<b>Total</b>	<b>0.1558</b>	<b>1.4102</b>	<b>1.2384</b>	<b>1.9800e-003</b>		<b>0.0821</b>	<b>0.0821</b>		<b>0.0772</b>	<b>0.0772</b>	<b>0.0000</b>	<b>170.2333</b>	<b>170.2333</b>	<b>0.0415</b>	<b>0.0000</b>	<b>171.2716</b>



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**3.5 Building Construction - 2020**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0197	0.5770	0.1609	1.2700e-003	0.0301	2.9900e-003	0.0331	8.6900e-003	2.8600e-003	0.0116	0.0000	121.7376	121.7376	7.2100e-003	0.0000	121.9178
Worker	0.0490	0.0332	0.3642	9.5000e-004	0.0966	7.0000e-004	0.0973	0.0257	6.4000e-004	0.0263	0.0000	85.6141	85.6141	2.4200e-003	0.0000	85.6746
<b>Total</b>	<b>0.0687</b>	<b>0.6102</b>	<b>0.5251</b>	<b>2.2200e-003</b>	<b>0.1267</b>	<b>3.6900e-003</b>	<b>0.1304</b>	<b>0.0344</b>	<b>3.5000e-003</b>	<b>0.0379</b>	<b>0.0000</b>	<b>207.3517</b>	<b>207.3517</b>	<b>9.6300e-003</b>	<b>0.0000</b>	<b>207.5924</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.1558	1.4102	1.2384	1.9800e-003		0.0821	0.0821		0.0772	0.0772	0.0000	170.2331	170.2331	0.0415	0.0000	171.2714
<b>Total</b>	<b>0.1558</b>	<b>1.4102</b>	<b>1.2384</b>	<b>1.9800e-003</b>		<b>0.0821</b>	<b>0.0821</b>		<b>0.0772</b>	<b>0.0772</b>	<b>0.0000</b>	<b>170.2331</b>	<b>170.2331</b>	<b>0.0415</b>	<b>0.0000</b>	<b>171.2714</b>

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**3.5 Building Construction - 2020**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0197	0.5770	0.1609	1.2700e-003	0.0301	2.9900e-003	0.0331	8.6900e-003	2.8600e-003	0.0116	0.0000	121.7376	121.7376	7.2100e-003	0.0000	121.9178
Worker	0.0490	0.0332	0.3642	9.5000e-004	0.0966	7.0000e-004	0.0973	0.0257	6.4000e-004	0.0263	0.0000	85.6141	85.6141	2.4200e-003	0.0000	85.6746
<b>Total</b>	<b>0.0687</b>	<b>0.6102</b>	<b>0.5251</b>	<b>2.2200e-003</b>	<b>0.1267</b>	<b>3.6900e-003</b>	<b>0.1304</b>	<b>0.0344</b>	<b>3.5000e-003</b>	<b>0.0379</b>	<b>0.0000</b>	<b>207.3517</b>	<b>207.3517</b>	<b>9.6300e-003</b>	<b>0.0000</b>	<b>207.5924</b>

**3.5 Building Construction - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0789	0.7234	0.6879	1.1200e-003		0.0398	0.0398		0.0374	0.0374	0.0000	96.1295	96.1295	0.0232	0.0000	96.7093
<b>Total</b>	<b>0.0789</b>	<b>0.7234</b>	<b>0.6879</b>	<b>1.1200e-003</b>		<b>0.0398</b>	<b>0.0398</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>96.1295</b>	<b>96.1295</b>	<b>0.0232</b>	<b>0.0000</b>	<b>96.7093</b>

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**3.5 Building Construction - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1400e-003	0.2972	0.0794	7.1000e-004	0.0170	8.2000e-004	0.0178	4.9100e-003	7.9000e-004	5.6900e-003	0.0000	68.1643	68.1643	3.9000e-003	0.0000	68.2617
Worker	0.0257	0.0168	0.1880	5.2000e-004	0.0546	3.8000e-004	0.0549	0.0145	3.5000e-004	0.0149	0.0000	46.6940	46.6940	1.2300e-003	0.0000	46.7246
<b>Total</b>	<b>0.0349</b>	<b>0.3140</b>	<b>0.2675</b>	<b>1.2300e-003</b>	<b>0.0715</b>	<b>1.2000e-003</b>	<b>0.0728</b>	<b>0.0194</b>	<b>1.1400e-003</b>	<b>0.0206</b>	<b>0.0000</b>	<b>114.8582</b>	<b>114.8582</b>	<b>5.1300e-003</b>	<b>0.0000</b>	<b>114.9863</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0789	0.7234	0.6879	1.1200e-003		0.0398	0.0398		0.0374	0.0374	0.0000	96.1294	96.1294	0.0232	0.0000	96.7092
<b>Total</b>	<b>0.0789</b>	<b>0.7234</b>	<b>0.6879</b>	<b>1.1200e-003</b>		<b>0.0398</b>	<b>0.0398</b>		<b>0.0374</b>	<b>0.0374</b>	<b>0.0000</b>	<b>96.1294</b>	<b>96.1294</b>	<b>0.0232</b>	<b>0.0000</b>	<b>96.7092</b>

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**3.5 Building Construction - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	9.1400e-003	0.2972	0.0794	7.1000e-004	0.0170	8.2000e-004	0.0178	4.9100e-003	7.9000e-004	5.6900e-003	0.0000	68.1643	68.1643	3.9000e-003	0.0000	68.2617
Worker	0.0257	0.0168	0.1880	5.2000e-004	0.0546	3.8000e-004	0.0549	0.0145	3.5000e-004	0.0149	0.0000	46.6940	46.6940	1.2300e-003	0.0000	46.7246
<b>Total</b>	<b>0.0349</b>	<b>0.3140</b>	<b>0.2675</b>	<b>1.2300e-003</b>	<b>0.0715</b>	<b>1.2000e-003</b>	<b>0.0728</b>	<b>0.0194</b>	<b>1.1400e-003</b>	<b>0.0206</b>	<b>0.0000</b>	<b>114.8582</b>	<b>114.8582</b>	<b>5.1300e-003</b>	<b>0.0000</b>	<b>114.9863</b>

**3.6 Paving - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	1.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0145</b>	<b>0.1292</b>	<b>0.1465</b>	<b>2.3000e-004</b>		<b>6.7800e-003</b>	<b>6.7800e-003</b>		<b>6.2400e-003</b>	<b>6.2400e-003</b>	<b>0.0000</b>	<b>20.0235</b>	<b>20.0235</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1854</b>

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**3.6 Paving - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
<b>Total</b>	<b>5.2000e-004</b>	<b>3.4000e-004</b>	<b>3.8000e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9429</b>	<b>0.9429</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9435</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0126	0.1292	0.1465	2.3000e-004		6.7800e-003	6.7800e-003		6.2400e-003	6.2400e-003	0.0000	20.0235	20.0235	6.4800e-003	0.0000	20.1854
Paving	1.9700e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0145</b>	<b>0.1292</b>	<b>0.1465</b>	<b>2.3000e-004</b>		<b>6.7800e-003</b>	<b>6.7800e-003</b>		<b>6.2400e-003</b>	<b>6.2400e-003</b>	<b>0.0000</b>	<b>20.0235</b>	<b>20.0235</b>	<b>6.4800e-003</b>	<b>0.0000</b>	<b>20.1854</b>

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**3.6 Paving - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	5.2000e-004	3.4000e-004	3.8000e-003	1.0000e-005	1.1000e-003	1.0000e-005	1.1100e-003	2.9000e-004	1.0000e-005	3.0000e-004	0.0000	0.9429	0.9429	2.0000e-005	0.0000	0.9435
<b>Total</b>	<b>5.2000e-004</b>	<b>3.4000e-004</b>	<b>3.8000e-003</b>	<b>1.0000e-005</b>	<b>1.1000e-003</b>	<b>1.0000e-005</b>	<b>1.1100e-003</b>	<b>2.9000e-004</b>	<b>1.0000e-005</b>	<b>3.0000e-004</b>	<b>0.0000</b>	<b>0.9429</b>	<b>0.9429</b>	<b>2.0000e-005</b>	<b>0.0000</b>	<b>0.9435</b>

**3.7 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0323					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>0.0345</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

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**3.7 Architectural Coating - 2021**

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.1000e-004	9.1100e-003	3.0000e-005	2.6400e-003	2.0000e-005	2.6600e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.2629	2.2629	6.0000e-005	0.0000	2.2644
<b>Total</b>	<b>1.2500e-003</b>	<b>8.1000e-004</b>	<b>9.1100e-003</b>	<b>3.0000e-005</b>	<b>2.6400e-003</b>	<b>2.0000e-005</b>	<b>2.6600e-003</b>	<b>7.0000e-004</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>2.2629</b>	<b>2.2629</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.2644</b>

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.0323					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	2.1900e-003	0.0153	0.0182	3.0000e-005		9.4000e-004	9.4000e-004		9.4000e-004	9.4000e-004	0.0000	2.5533	2.5533	1.8000e-004	0.0000	2.5576
<b>Total</b>	<b>0.0345</b>	<b>0.0153</b>	<b>0.0182</b>	<b>3.0000e-005</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>		<b>9.4000e-004</b>	<b>9.4000e-004</b>	<b>0.0000</b>	<b>2.5533</b>	<b>2.5533</b>	<b>1.8000e-004</b>	<b>0.0000</b>	<b>2.5576</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**3.7 Architectural Coating - 2021**

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.2500e-003	8.1000e-004	9.1100e-003	3.0000e-005	2.6400e-003	2.0000e-005	2.6600e-003	7.0000e-004	2.0000e-005	7.2000e-004	0.0000	2.2629	2.2629	6.0000e-005	0.0000	2.2644
<b>Total</b>	<b>1.2500e-003</b>	<b>8.1000e-004</b>	<b>9.1100e-003</b>	<b>3.0000e-005</b>	<b>2.6400e-003</b>	<b>2.0000e-005</b>	<b>2.6600e-003</b>	<b>7.0000e-004</b>	<b>2.0000e-005</b>	<b>7.2000e-004</b>	<b>0.0000</b>	<b>2.2629</b>	<b>2.2629</b>	<b>6.0000e-005</b>	<b>0.0000</b>	<b>2.2644</b>

**4.0 Operational Detail - Mobile**

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**4.1 Mitigation Measures Mobile**



Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0887	0.3503	0.8483	2.4400e-003	0.2045	2.2400e-003	0.2067	0.0548	2.0900e-003	0.0569	0.0000	224.5161	224.5161	0.0116	0.0000	224.8066
Unmitigated	0.0887	0.3503	0.8483	2.4400e-003	0.2045	2.2400e-003	0.2067	0.0548	2.0900e-003	0.0569	0.0000	224.5161	224.5161	0.0116	0.0000	224.8066

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
City Park	15.12	182.00	133.92	103,191	103,191
Parking Lot	0.00	0.00	0.00		
Racquet Club	70.15	106.75	87.00	102,710	102,710
Recreational Swimming Pool	270.56	72.80	108.80	342,403	342,403
Total	355.83	361.55	329.72	548,304	548,304

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
City Park	10.00	5.00	6.50	33.00	48.00	19.00	66	28	6
Parking Lot	10.00	5.00	6.50	0.00	0.00	0.00	0	0	0
Racquet Club	10.00	5.00	6.50	11.50	69.50	19.00	52	39	9
Recreational Swimming Pool	10.00	5.00	6.50	33.00	48.00	19.00	52	39	9

4.4 Fleet Mix

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Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
City Park	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Parking Lot	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Racquet Club	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865
Recreational Swimming Pool	0.559527	0.038733	0.206173	0.118029	0.019040	0.005245	0.018552	0.023249	0.002031	0.002054	0.005884	0.000619	0.000865

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

Category	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	26.4464	26.4464	1.3000e-003	2.7000e-004	26.5590
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	26.4464	26.4464	1.3000e-003	2.7000e-004	26.5590
NaturalGas Mitigated	9.7000e-004	8.7800e-003	7.3700e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5548	9.5548	1.8000e-004	1.8000e-004	9.6116
NaturalGas Unmitigated	9.7000e-004	8.7800e-003	7.3700e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5548	9.5548	1.8000e-004	1.8000e-004	9.6116

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Racquet Club	179050	9.7000e-004	8.7800e-003	7.3700e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5548	9.5548	1.8000e-004	1.8000e-004	9.6116
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.7000e-004</b>	<b>8.7800e-003</b>	<b>7.3700e-003</b>	<b>5.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>9.5548</b>	<b>9.5548</b>	<b>1.8000e-004</b>	<b>1.8000e-004</b>	<b>9.6116</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**5.2 Energy by Land Use - NaturalGas**

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
City Park	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Racquet Club	179050	9.7000e-004	8.7800e-003	7.3700e-003	5.0000e-005		6.7000e-004	6.7000e-004		6.7000e-004	6.7000e-004	0.0000	9.5548	9.5548	1.8000e-004	1.8000e-004	9.6116
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>9.7000e-004</b>	<b>8.7800e-003</b>	<b>7.3700e-003</b>	<b>5.0000e-005</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>		<b>6.7000e-004</b>	<b>6.7000e-004</b>	<b>0.0000</b>	<b>9.5548</b>	<b>9.5548</b>	<b>1.8000e-004</b>	<b>1.8000e-004</b>	<b>9.6116</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22869	6.1234	3.0000e-004	6.0000e-005	6.1495
Racquet Club	75900	20.3230	1.0000e-003	2.1000e-004	20.4095
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>26.4464</b>	<b>1.3000e-003</b>	<b>2.7000e-004</b>	<b>26.5590</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**5.3 Energy by Land Use - Electricity**

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
City Park	0	0.0000	0.0000	0.0000	0.0000
Parking Lot	22869	6.1234	3.0000e-004	6.0000e-005	6.1495
Racquet Club	75900	20.3230	1.0000e-003	2.1000e-004	20.4095
Recreational Swimming Pool	0	0.0000	0.0000	0.0000	0.0000
<b>Total</b>		<b>26.4464</b>	<b>1.3000e-003</b>	<b>2.7000e-004</b>	<b>26.5590</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.0303	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
Unmitigated	0.0303	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.2300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
<b>Total</b>	<b>0.0303</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.0000e-004</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**6.2 Area by SubCategory**

**Mitigated**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	3.2300e-003					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0270					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	3.0000e-005	0.0000	2.9000e-004	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	5.6000e-004	5.6000e-004	0.0000	0.0000	6.0000e-004
<b>Total</b>	<b>0.0303</b>	<b>0.0000</b>	<b>2.9000e-004</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>5.6000e-004</b>	<b>5.6000e-004</b>	<b>0.0000</b>	<b>0.0000</b>	<b>6.0000e-004</b>

**7.0 Water Detail**

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**7.1 Mitigation Measures Water**



Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	10.6723	1.4500e-003	7.0000e-004	10.9163
Unmitigated	10.6723	1.4500e-003	7.0000e-004	10.9163

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 9.53185	8.9329	4.4000e-004	9.0000e-005	8.9709
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Racquet Club	0.295716 / 0.181245	0.6690	3.9000e-004	2.3000e-004	0.7482
Recreational Swimming Pool	0.473145 / 0.289992	1.0704	6.2000e-004	3.7000e-004	1.1971
<b>Total</b>		<b>10.6723</b>	<b>1.4500e-003</b>	<b>6.9000e-004</b>	<b>10.9163</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**7.2 Water by Land Use**

**Mitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
City Park	0 / 9.53185	8.9329	4.4000e-004	9.0000e-005	8.9709
Parking Lot	0 / 0	0.0000	0.0000	0.0000	0.0000
Racquet Club	0.295716 / 0.181245	0.6690	3.9000e-004	2.3000e-004	0.7482
Recreational Swimming Pool	0.473145 / 0.289992	1.0704	6.2000e-004	3.7000e-004	1.1971
<b>Total</b>		<b>10.6723</b>	<b>1.4500e-003</b>	<b>6.9000e-004</b>	<b>10.9163</b>

**8.0 Waste Detail**

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**8.1 Mitigation Measures Waste**

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	15.1817	0.8972	0.0000	37.6120
Unmitigated	15.1817	0.8972	0.0000	37.6120

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.69	0.1401	8.2800e-003	0.0000	0.3470
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Racquet Club	28.5	5.7852	0.3419	0.0000	14.3327
Recreational Swimming Pool	45.6	9.2564	0.5470	0.0000	22.9323
<b>Total</b>		<b>15.1817</b>	<b>0.8972</b>	<b>0.0000</b>	<b>37.6120</b>

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

**8.2 Waste by Land Use**

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
City Park	0.69	0.1401	8.2800e-003	0.0000	0.3470
Parking Lot	0	0.0000	0.0000	0.0000	0.0000
Racquet Club	28.5	5.7852	0.3419	0.0000	14.3327
Recreational Swimming Pool	45.6	9.2564	0.5470	0.0000	22.9323
<b>Total</b>		<b>15.1817</b>	<b>0.8972</b>	<b>0.0000</b>	<b>37.6120</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Rutter Swim Center and Park Rehabilitation - Sacramento County, Annual

Equipment Type	Number
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**11.0 Vegetation**

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# **APPENDIX B**

## **BIOLOGICAL RESOURCES MEMO**





# BIOLOGICAL MEMO

August 20, 2019

## **RE: Rutter Park and Swim Center Renovation Project Biological Resources**

### INTRODUCTION

Southgate Recreation and Park District (SRPD) is proposing the Rutter Park and Swim Center Renovation Project (project) which consists of four components: (1) potential relocation and construction of a new, expanded swim center on a two-acre area of the James Rutter Middle School campus; (2) demolition of the existing 0.43-acre swim center and redevelopment as an expanded parking lot, planter, or other school use and resurfacing of the existing parking immediately to the east; (3) various recreational improvements at the existing Rutter Park; and (4) improvement and extension of Florin Creek Trail across a 1.8-acre portion the school campus. The project would also include relocation of a baseball field within the existing turf fields of the school campus and various on-site infrastructure improvements to support the new and improved facilities.

The project site consists of approximately 15 acres including Rutter Park, a segment of Florin Creek Trail, and a portion of the James Rutter Middle School campus. These existing facilities are identified as 7350 Palmer House Drive and are generally located west of Palmer House Drive, south of Florin Creek, east of Wolfgram Way, and north of Skander Way in the unincorporated community of South Sacramento in southern Sacramento County, California. Specifically, the project site is located in the Sacramento East and Florin USGS 7.5-minute quadrangle, Township 7 North, Range 5 East, Section 3.

### ENVIRONMENTAL SETTING

The project site consists of the existing 7-acre Rutter Park as well as a 8-acre portion of the existing James Rutter Middle School campus. These properties are developed with recreational facilities and are surrounded by suburban residential neighborhoods. The project site is highly disturbed and consists primarily of irrigated turf with scattered trees, apart from the existing swim center which is completely paved. These trees provide potential suitable nesting habitat for nesting birds protected under the Migratory Bird Treaty Act (MBTA). The irrigated turf areas are routinely mowed and otherwise maintained and used for recreational purposes and do not provide suitable habitat for any sensitive species.

There are multiple California Natural Diversity Database (CNDDDB) occurrences within two miles of the project site (see attached map) but none on or in the immediate vicinity of the project site. Regardless, the highly disturbed condition and frequent maintenance and use of the project site as a park preclude the presence of any sensitive species beyond nesting birds. Pre-construction surveys for nesting birds protected under the MBTA should be conducted prior to beginning construction-related activities.

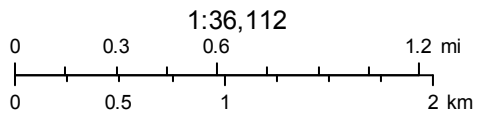
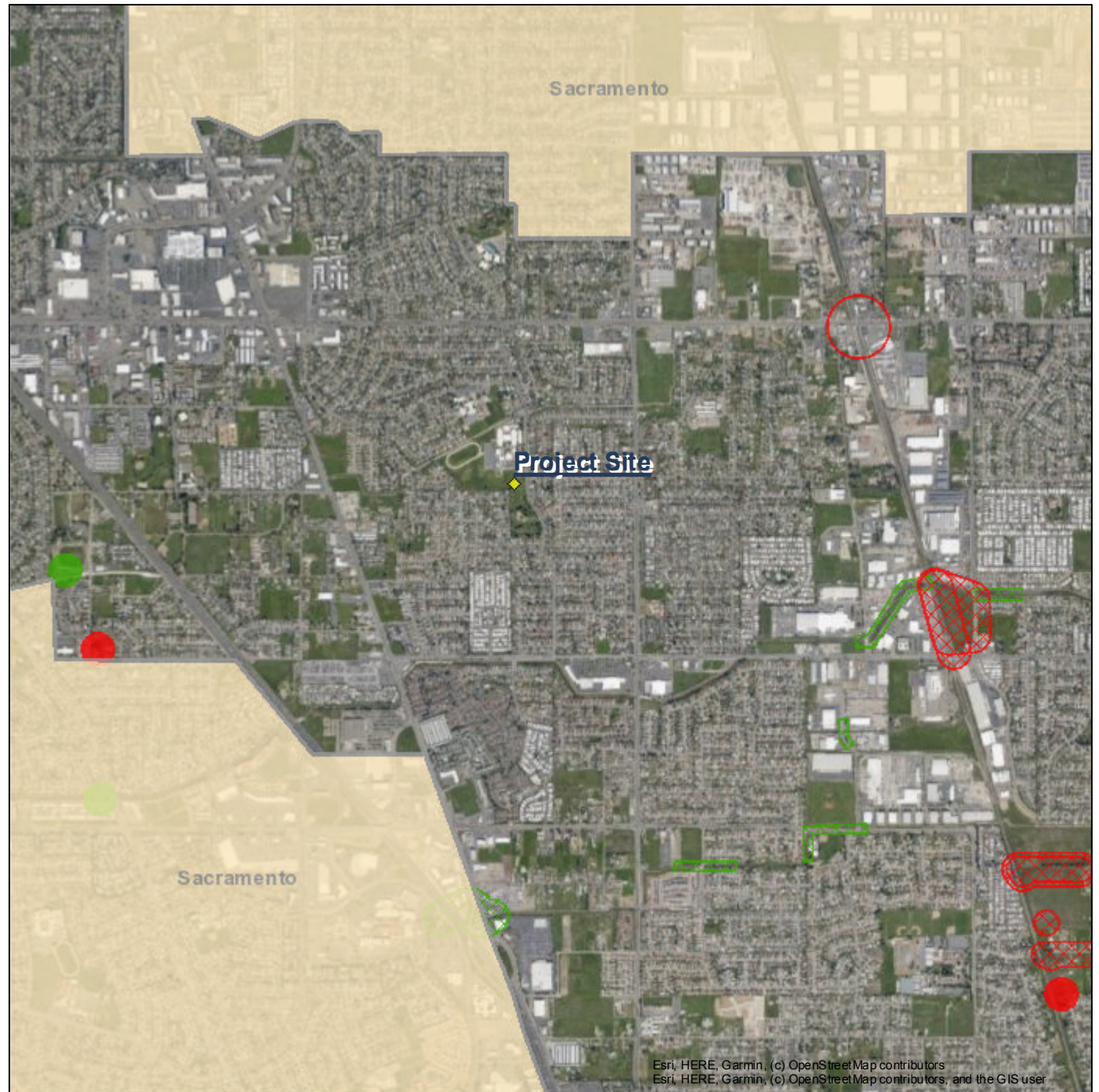
#### CONCLUSION

The project site provides large areas of turf with scattered trees and may provide nesting habitat for a variety of common bird species; including birds protected by the MBTA. However, pre-construction surveys will identify if birds are present on the project site. No other special-status species are expected to be present.

# Map of Project Area

## California Natural Diversity Database (CNDDDB) Commercial [ds85]

- Plant (80m)
- Plant (specific)
- Plant (non-specific)
- Plant (circular)
- Animal (80m)
- Animal (specific)
- Animal (non-specific)
- Animal (circular)
- Terrestrial Comm. (80m)
- Terrestrial Comm. (specific)
- Terrestrial Comm. (non-specific)
- Terrestrial Comm. (circular)
- Aquatic Comm. (80m)
- Aquatic Comm. (specific)
- Aquatic Comm. (non-specific)
- Aquatic Comm. (circular)
- Multiple (80m)
- Multiple (specific)
- Multiple (non-specific)
- Multiple (circular)
- Sensitive EO's (Commercial only)



August 23, 2019

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# **APPENDIX C**

## **CULTURAL RESOURCES ASSESSMENT**



**CULTURAL RESOURCE ASSESSMENT  
FOR THE RUTTER SWIM CENTER AND  
PARK RENOVATION PROJECT  
SACRAMENTO COUNTY, CALIFORNIA**

Prepared by

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# Project Description

## Project Location

The project site consists of Rutter Park, a segment of Florin Creek Trail, and a portion of the James Rutter Middle School campus. These existing facilities are identified as 7350 Palmer House Drive and are generally located west of Palmer House Drive, south of Florin Creek, east of Wolfgram Way, and north of Skander Way in the unincorporated community of South Sacramento in Sacramento County, California.

The subject segment of Florin Creek Trail lies within a public easement on two adjacent residential parcels located at 6951 Wolfgram Way and 7400 Lidia Way, respectively. The project site encompasses several parcels as summarized below.

**Table1: Project Site Parcels, Acreage and Zoning**

	Assessor's Parcel Number	Acres	Zoning
Rutter Middle School	051-0010-045	39.77	RD-5 (Residential)
Rutter Park	051-0410-084	1.16	O (Recreation)
	051-0410-085	1.01	O (Recreation)
	051-0410-083	4.39	O (Recreation)
Florin Creek Trail	051-0130-052	0.15	RD-5 (Residential)
	051-0130-048	0.25	RD-5 (Residential)

The project site is located approximately one and one-quarter miles east of State Route (SR) 99 and approximately one-half mile south of Florin Road, which provide regional access to the site.

## Project Setting

### Rutter Swim Center

The existing Rutter Swim Center was built by the SRPD on EGUSD property and has been continuously and jointly operated by SRPD and EGUSD under a long-term lease first entered into in 1970 (most recently renewed in July 2019). The Swim Center is the only pool in the entire EGUSD and one of three pools in the SRPD. The existing pool is “T” shaped with 15 yards by 25 yards swim lanes which run east-west on the north side of the pool. The east and west ends are 3.5 feet deep and the pool tapers to 5 to 6 feet in center. The dive well south of the swim lanes is 13 feet deep. The swim center features restrooms/locker rooms and a pool equipment building.

### Rutter Park

Rutter Park is a 6.56-acre neighborhood park owned and operated by SRPD. The park includes a soccer field to the north, children’s play equipment, swings, a small adult exercise station, a

single shade structure, three tables, a short walkway, open turf areas, established trees, and a small area of drought tolerant landscaping in the southeast corner. Rutter Park is the only park to serve the community within one-half mile and beyond to residents south of Gerber Road and east of Power Inn Road. The park is open to the general public seven days per week from sunrise to sunset and for special events. The Southgate soccer club uses the park for practice Monday through Friday as well as for games on Saturdays from July 1 to November 30.

### Florin Creek Trail

Florin Creek Trail is an off-street, bicycle and pedestrian multi-use path that is operated by SRPD through a combination of owned property and public access easements. It is the only Class I bicycle and pedestrian trail in this portion of unincorporated south Sacramento County. The entire trail is approximately one and one-half miles in length that starts in the Parkway neighborhood, runs under Highway 99 and across Stockton Boulevard, and into the Rutter area. The trail connects numerous important public facilities including three parks, multiple schools, the Southgate Library, two community centers, shopping centers, a bus transfer center, the County Sheriff Service Station, and a weekly farmer's market. The trail is open 7 days per week from sunrise to sunset. The segment of the Florin Creek Trail included in the project site is approximately 140 feet long beginning at Wolfgram Way on the west and terminating at the EGUSD school property. The trail segment is asphalt with chain link fencing on both sides and a single pole-mounted light fixture.

### Site Access

The James Rutter Middle School campus and swim center are accessed via a one-way driveway off Palmer House Drive with an entrance only on the north end and exit only on the south end. Rutter Park is accessed by a pedestrian path with on-street parking provided along Palmer House Drive. The subject segment of the Florin Creek Trail is accessed from Wolfgram Way.

### Surrounding Land Uses

The project site is primarily surrounded by single-family residential neighborhoods. Immediately north of the site is the channelized Florin Creek and David Reese Elementary School. West of the site, along Stockton Boulevard, there are retail and light commercial uses, an apartment complex and Sacramento Metropolitan Fire District Station 53. South of the project is a large mobile home park and a retail center along Gerber Road. East of the project site is Florin Elementary School and several multi-family residential complexes along Power Inn Road. A Union Pacific Railroad (UPRR) line runs north/south approximately one and one-quarter miles east of the project site. The closest sensitive receptors to the project site are the numerous residences located fewer than 30 feet from the project site boundary.

### Land Use Planning

The Sacramento County General Plan of 2005-2030 (2011) designates the entire project site as Low Density Residential 1-12 dwelling units per acre (LDR 1-12 du/ac). According to the General Plan, the Low-Density Residential designation "provides for areas of predominantly single-family housing with some attached housing units." Although not specifically stated, residential land use designations generally also provide for common neighborhood-serving uses such as schools and parks.

## ***Project Background***

The pool was constructed in 1970 and has been used regularly during the summer months by various sport teams and the general public until 2018 when it was closed due to the lack of pool depth and evolving safety standards. In 2017, approximately 4,128 people used the pool for recreational swim and 921 students took swim lessons at the Rutter Swim Center. In addition, the Florin High School swim, water polo, and diving teams and Sheldon High School swim team used the pool for practice.

The pool no longer meets the required dimensions necessary for competitive swim meets nor depths and clearances necessary for water polo or dive teams. As a result of serious safety and accessibility deficiencies, along with the pool buildings and equipment exceeding their expected life use at close to 50 years old, the SRPD Board of Directors voted to close the pool prior to the 2019 season.

## ***Project Components***

The proposed project consists of four components: (1) relocation and construction of a new, expanded swim center on a 1.4-acre area of the James Rutter Middle School campus; (2) demolition of the existing swim center and redevelopment as an expanded parking lot for joint use by the school and proposed swim center; (3) various recreational improvements at the existing Rutter Park; and (4) improvement and extension of Florin Creek Trail across the project site (Figure 1). The project would also include creation of a new baseball field within the existing turf fields of the school campus to replace the one eliminated by the proposed swim center and various infrastructure improvements to support the new and improved facilities.

### **New Swim Center**

The newly proposed Rutter Swim Center would feature a competition pool and family activity pool surrounded by a concrete pool deck with shaded bleachers, picnic tables and sitting areas. At the northeast corner a 3,000 square-foot aquatic center building is proposed housing locker rooms (1,300 sf), restrooms (500 sf), an administrative office (480 sf), storage room (300 sf), cashier area (270 sf), and snack bar (150 sf). On the south end of the swim center a 1,600 square-foot pool equipment building is proposed to house all pool equipment and chemicals. The pool equipment building would feature solar panels to power the equipment. The swim center would be fully fenced with primary access provided via an entry plaza at its northeast corner.

### **Existing Swim Center**

The existing swim center will be demolished and redeveloped by the EGUSD as an expansion of the existing parking lot immediately to the east. This parking lot would serve both the school campus and the new swim center.

### **Rutter Park Improvements**

The project proposes numerous improvements within Rutter Park to increase recreational opportunities, improve security, and beautify the grounds. A larger, lighted path interior to the park is proposed to provide exercise opportunities and improve overall safety. A basketball court would be added in an underutilized turf area near the existing shade structure. In addition, new

ADA-accessible BBQ area with a large shade structure and ADA seating with game boards (e.g. chess) inlayed into the tabletops are proposed near the center of the park. These improvements would create a community gathering space adjacent the existing children's play structures.

### Florin Creek Trail Extension

The project proposes to extend the existing segment of Florin Creek Trail from the southwestern corner of the James Rutter Middle School campus over a 1.8-acre portion of the project site. The trail will provide a connection from Wolfgram Way to the new swim center and Rutter Park. The trail will consist of an asphalt path surrounded by decomposed granite. Drainage swales will be constructed along both sides of the path featuring shade trees, shrubs and other plants. The trail will be fenced on both sides and will be lit by six pole-mounted lighting fixtures.

### Access, Parking and Circulation

The existing access and internal circulation to the project site would remain unchanged with the exception of the new trail which would provide new bicycle and pedestrian access to the site from the west. Parking for the swim center would continue to be provided by the existing parking facilities on the EGUSD school property. Additional parking would be provided immediately west of the existing parking lot where the existing swim center is currently located.

### Landscaping and Irrigation

The project proposes the addition of 30 to 50 new shade trees project wide including ten new trees at Rutter Park as well as the conversion of approximately 50,000 square feet of existing turf to swales and drip irrigated landscaping planted with drought tolerant shrubs and ground cover. The existing irrigation system at Rutter Park would also be improved with a new pump and programmable irrigation controller to address frequent supply lines breaks and to increase efficiency.

The project area lies in section 3, T7N, R5E, mapped on the Florin USGS topographic quadrangle (Figure 2).

### Cultural Resources

The project area lies in a region that had been historically in agricultural use, but has now converted to suburban development. Melinda Peak served as principal investigator for the current study. Michael Lawson conducted the current field survey (resumes, Appendix 1).

## **CULTURAL HISTORY**



### ***Archeological Background***

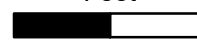
The Sacramento Delta was one of the first regions in California to attract intensive archeological fieldwork. Between 1893 and 1901, avocational archeologist J. A. Barr excavated many prehistoric mounds in the Stockton area. He collected nearly 2000 artifacts during the course of his investigations. H. C. Meredith was another avocational archeologist of the period who pursued

# Rutter Swim Center & Park Renovation



## New Amenities & Features

-  Lights
-  Trees
-  Bike/Ped Path
-  Path
-  Drainage Swales

Feet  
 1 inch = 150 Feet  
 150

(N) Denotes New

BUILDING	APPROX S.F.
Aquatic Center	3,000 sf
Locker Rooms - 1,300 sf	
Storage - 300 sf	
Restrooms - 500 sf	
Cashier area- 270 sf	
Office - 480 sf	
Snack Bar - 150 sf	
Pool Eq. Bldg	1,600
Project Indoor Space =	<1% of overall project 8% of Swim Center

\*No trees will be removed by the proposed project  
 Page formatted for 11" x 17" size

**FIGURE 1**



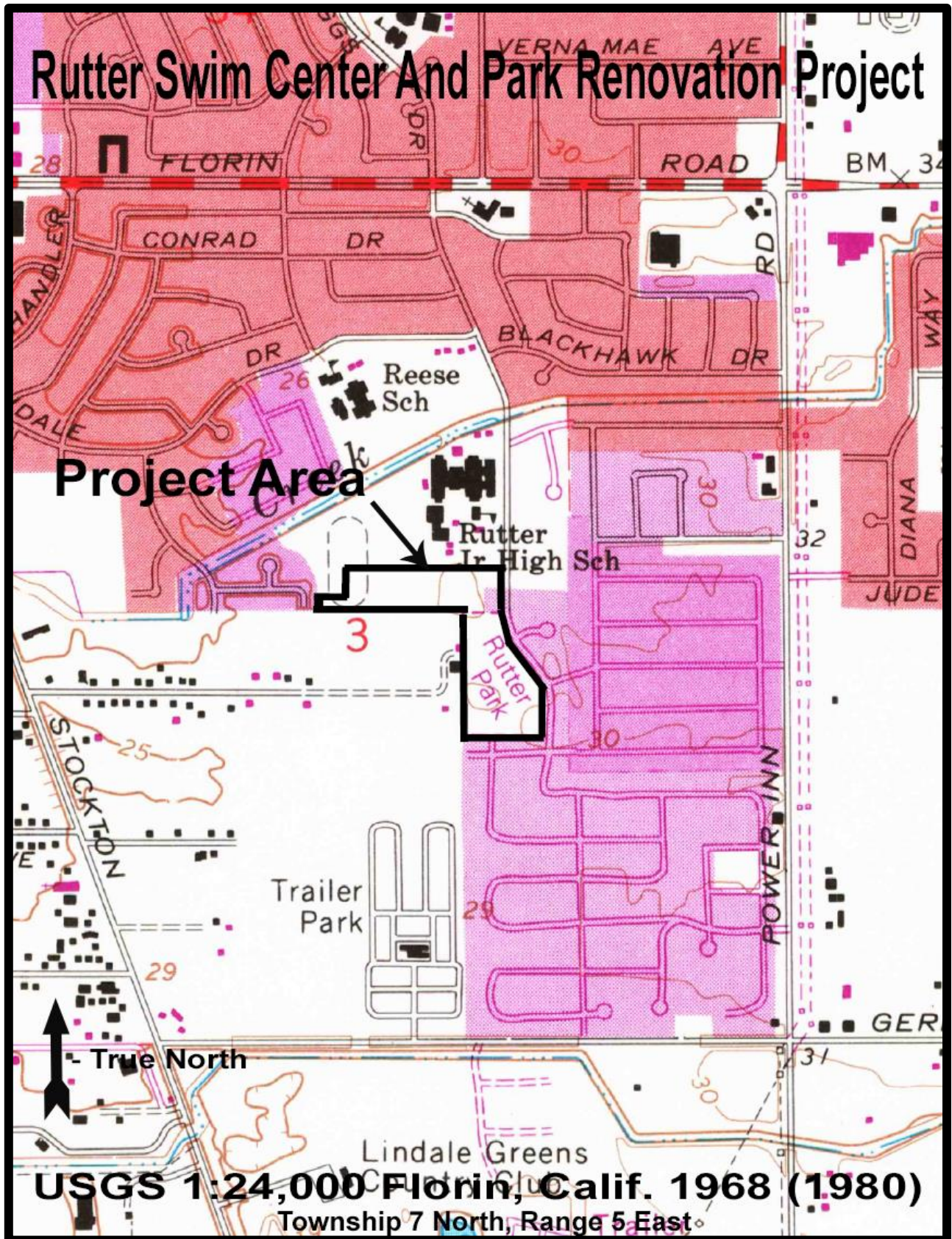


Figure 2





collecting in the same Stockton locality. Meredith (1899, 1900) did publish a compilation of his own and Barr's findings, and these appear to constitute the earliest accounts of Delta archeology. Holmes (1902), from the Smithsonian Institution, further elaborated on the Delta or "Stockton District" archeology, presenting illustrations of artifacts collected by Meredith and Barr.

It was Elmer J. Dawson who first recognized culture changes through time in Delta archeology. Though he was an amateur archeologist, Dawson understood the necessity of keeping accurate notes on grave associations and provenance of artifacts. He collaborated with W. E. Schenck to produce an overview of northern San Joaquin Valley archeology (Schenck and Dawson 1929). The overview contained information on more than 90 prehistoric sites as well as data on previous collections.

By 1931, the focus of archeological work was directed toward the Cosumnes River locality, where survey and exploration were conducted by Sacramento Junior College (Lillard and Purves 1936). Excavations, especially at the stratified Windmill mound (CA-SAC-107), suggested three temporally distinct cultural traditions: Early, Transitional, and Late. Information grew as a result of excavations at other mounds in the Delta and lower Sacramento Valley by Sacramento Junior College and the University of California, Berkeley.

Previous investigations in the project region have focused upon very detailed archival research of Spanish sources (Bennyhoff 1977), and the archeological investigations at a number of small sites (Schulz et al. 1979; Schulz and Simons 1973; Soule 1976). A reexamination of earlier work has also been undertaken (Ragir 1972; Schulz 1981; Doran 1980). Several of the previously investigated sites probably represent satellite encampments or small villages associated with major villages.

The majority of the sites appear to be relatively late in time, and probably represent the Plains Miwok. As mentioned above, the sites appear to be satellite encampments or small villages. The activities practiced are varied, but detailed studies on the faunal collection suggest seasonality of occupation and a focus on fish species other than the main channel varieties.

Writing the definitive summary of California archeology, Moratto (1984: 529-547) devoted an entire chapter to linguistic prehistory. For the Central Valley region, Moratto points out that some Early Horizon and Middle Horizon central California archeological sites appear at least in part, contemporaneous, based on existing radiocarbon dates. Cultural materials recovered from CA-SJO-68, an Early Horizon site, are thought to date to  $4350 \pm 250$  B.P. or 2350 B.C. On the other hand, a Middle Horizon component at CA-CCO-308 dates to  $4450 \pm 400$  B.P. or 2450 B.C. The dates assigned to other Early and Middle Horizon sites demonstrate an overlap of the two horizons by a millennium or more.

One explanation proposes that the Middle Horizon represents an intrusion of ancestral Miwok speaking people into the lower Cosumnes, Mokelumne, and Sacramento River areas from the Bay Area. The Early Horizon may represent older Yokuts settlements or perhaps the speakers of a Utian language who were somehow replaced by a shift of population(s) from the bay.

## ***Ethnological Background***

The Eastern Miwok represent one of the two main divisions of the Miwokan subgroup of the Utian language family (Levy 1978:398). The Plains Miwok, one of five separate cultural and linguistic groups of the Eastern Miwok, occupied the lower reaches of the Mokelumne, Cosumnes and Sacramento Rivers including the area of south Sacramento County surrounding the project area. Linguistic studies and the application of a lexicostatistic model for language divergence suggests that Plains Miwok was a distinct linguistic entity for the last 2000 years (Levy 1970). This result led researchers such as Richard Levy (1978:398) to conclude that the Plains Miwok inhabited the Sacramento Delta for a considerable period of time.

The political organization of the Plains Miwok centered on the tribelet. Tribelets were comprised of 300 to 500 individuals (Levy 1978:410). Each tribelet was thought to control a specific area of resources and usually consisted of several villages or hamlets. Each tribelet also was divided along lineages. These lineages were apparently localized to a specific geographic setting and most likely represented a village site and their associated satellite sites where the seasonal collection of resources occurred (Levy 1978:398-399). Each settlement apparently contained roughly 21 individuals according to data collected by Gifford (Cook 1955:35).

The diet of the Plains Miwok emphasized the collection of floral resources such as acorns, buckeye, digger pine nuts, seeds from the native grasses and various fresh greens. Faunal resources such as tule elk, pronghorn antelope, deer, jackrabbits, cottontails, beaver, gray squirrels, woodrats, quail and waterfowl were hunted. Fishing, particularly salmon and sturgeon, contributed significantly to the Plains Miwok diet (Levy 1978:402-403). The primary method of collecting fish was by nets, but the use of bone hooks, harpoons and obsidian-tipped spears is also known ethnographically (Levy 1978:404).

Both twined and coiled basketry were manufactured by the Eastern Miwok. The uses of baskets included the collection and storage of seeds, basketry cradles and gaming (Levy 1978:406). Tule mats were also known to have been used by the Plains Miwok primarily as a floor covering. Other uses of tule included the manufacture of the tule balsa, a water craft in which native people navigated and exploited adjacent Delta and major river systems.

Four main types of structures were known among the Eastern Miwok, depending on the environmental setting. In the mountains, the primary structure was a conical structure of bark slabs. At lower elevations the structures consisted of thatched structures, semi-subterranean earth-covered dwellings and two types of assembly houses used for ceremonial purposes (Levy 1978:408-409).

Bennyhoff (1977:11) characterized the Plains Miwok as intensive hunter-gatherers, with an emphasis upon gathering. The seasonal availability of floral resources defined the limits of the group's economic pursuits. Hunting and fishing subsistence pursuits apparently accommodated the given distribution of resources. The Plains Miwok territory covered six seasonally productive biotic communities and as such native people could apparently afford to pick and choose the resources they ranked highest from each of these zones. The subsequent storage of floral resources (such as acorns in

granaries) allowed for a more stable use of the resource base (Bennyhoff 1977:10). The acorn was apparently the subsistence base needed to provide an unusually productive environment as earlier non-acorn using peoples who resided in the same geographic setting apparently suffered some seasonal deprivation (Schulz 1981). Such an emphasis upon the gathering of acorns is consistent with the population increase evident during the Upper Emergent Period in California (Doran 1980).

The study of piscine (fish) remains from both CA-SAC-65 (Schulz et al. 1979) and CA-SAC-145 (Schulz n.d.; Schulz and Simons 1973) indicates that small villages away from the major rivers appear to concentrate on the collection of piscine species (particularly the Sacramento perch) that inhabited slow-moving waters. This would probably have been the case with any village located within or near the project area, if there was a village in the immediate area.

The project area is not known to be controlled by any particular tribelet of the Plains Miwok, but appears to lie in an unoccupied boundary zone between the Plains Miwok and the often antagonistic Nisenan to the north (Bennyhoff 1977:58).

## ***Historical Background***

The project area does not lie on a portion of any early Mexican land grants nor does it lie within the land that could be mined for gold. As a result, there is no indication that any important events or activities in the early history of the region occurred in the project area. It was not long after the initial gold rush of the late 1840s-early 1850s, however, when the agricultural potential of the excellent farmlands of the Sacramento Valley was recognized. The first lands taken up were the rich bottom lands along the major watercourses. By the mid-1860s, the prime farm land had been claimed and the later settlers began to discover the potential of lands such as the project area with poorer soil and less available water. In the 1860s and 1870s, virtually all land in the region was taken up by the later settlers for agricultural purposes. The project area lies within the boundaries of the San Joaquin Township (Thompson & West 1880:234-235).

The early historic maps of the region show scattered residences and cultivated fields with a few roadways (General Land Office plats).

The expansion of the Sacramento suburbs in the post-World War II era led to the development of the Southgate region in the 1950s and 1960s, with the Rutter Middle School and Rutter Park built to support the growing community.

## **STATE REGULATIONS**

State historic preservation regulations affecting this project include the statutes and guidelines contained in the California Environmental Quality Act (CEQA; Public Resources Code sections 21083.2 and 21084.1 and sections 15064.5 and 15126.4 (b) of the CEQA Guidelines). CEQA Section 15064.5 requires that lead agencies determine whether projects may have a significant

effect on archaeological and historical resources. Public Resources Code Section 21098.1 further cites: A project that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.

An “historical resource” includes, but is not limited to, any object, building, structure, site, area, place, record or manuscript that is historically or archaeologically significant (Public Resources Code section 5020.1).

Advice on procedures to identify such resources, evaluate their importance, and estimate potential effects is given in several agency publications such as the series produced by the Governor’s Office of Planning and Research (OPR), *CEQA and Archaeological Resources*, 1994. The technical advice series produced by OPR strongly recommends that Native American concerns and the concerns of other interested persons and corporate entities, including, but not limited to, museums, historical commissions, associations and societies be solicited as part of the process of cultural resources inventory. In addition, California law protects Native American burials, skeletal remains, and associated grave goods regardless of the antiquity and provides for the sensitive treatment and disposition of those remains (California Health and Safety Code Section 7050.5, California Public Resources Codes Sections 5097.94 et al).

### ***The California Register of Historical Resources (Public Resources Code Section 5020 et seq.)***

The State Historic Preservation Office (SHPO) maintains the California Register of Historical Resources (CRHR). Properties listed, or formally designated as eligible for listing, on the National Register of Historic Places are automatically listed on the CRHR, as are State Landmarks and Points of Interest. The CRHR also includes properties designated under local ordinances or identified through local historical resource surveys.

For the purposes of CEQA, an historical resource is a resource listed in, or determined eligible for listing in the California Register of Historical Resources. When a project will impact a site, it needs to be determined whether the site is an historical resource. The criteria are set forth in Section 15064.5(a)(3) of the CEQA Guidelines, and are defined as any resource that does any of the following:

- A. Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
- B. Is associated with the lives of persons important in our past;
- C. Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
- D. Has yielded, or may be likely to yield, information important in prehistory or history.

In addition, the CEQA Guidelines, Section 15064.5(a)(4) states:

The fact that a resource is not listed in, or determined to be eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to section 5020.1(k) of the Public Resources Code), or identified in an historical resources survey (meeting the criteria in section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code section 5020.1(j) or 5024.1.

### ***California Health and Safety Code Sections 7050.5, 7051, And 7054***

These sections collectively address the illegality of interference with human burial remains, as well as the disposition of Native American burials in archaeological sites. The law protects such remains from disturbance, vandalism, or inadvertent destruction, and establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project, including the treatment of remains prior to, during, and after evaluation, and reburial procedures.

### ***California Public Resources Code Section 15064.5(e)***

This law addresses the disposition of Native American burials in archaeological sites and protects such remains from disturbance, vandalism, or inadvertent destruction. The section establishes procedures to be implemented if Native American skeletal remains are discovered during construction of a project and establishes the Native American Heritage Commission as the entity responsible to resolve disputes regarding the disposition of such remains.

## **RESEARCH**

Records of previous cultural resource surveys and maps of recorded sites within the APE were reviewed by the North Central Information Center of the California Historical Resources Information System (SAC-19-150; Appendix 2).

No resources have been recorded in the project area. Several other surveys have been conducted in the immediate vicinity related to the current project, but no portion of the project area had been impacted (Kearns 1977; Sykes and Martinez 2008).

## **FIELD SURVEY**

Michael Lawson undertook the field survey on August 13, 2019 (resume, Appendix 1). The project components on Figure 1 were carefully checked for evidence of prehistoric or historic occupation or use. The coverage was complete with transects no wider than 5 meters.

The ground visibility was fair to good, with varying amounts of grass and vegetation cover. The surveyor made scrapes as necessary to allow a view of soil, and checked any areas adjacent with no grass cover. The soils noted were uniformly light tan in coloration, very dry, compact, and loamy, with little rock or gravel.

No prehistoric or prehistoric period cultural resources were observed during the course of this survey.

## **RECOMMENDATIONS**

There is always a possibility that a site may exist in the project area and be obscured by vegetation, siltation or historic activities, leaving no surface evidence. If any artifact or unusual amounts of stone, bone or shell be discovered, an archeologist should be brought in to evaluate the finding.

### ***Discovery of Human Remains***

In the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area suspected to overlie adjacent remains until the Sacramento County Coroner has determined that the remains are not subject to any provisions of law concerning investigation of the circumstances, manner and cause of death, and the recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative. The coroner shall make his or her determination within two working days from the time the person responsible for the excavation, or his or her authorized representative, notifies the Coroner of the discovery or recognition of the human remains.

If the Sacramento County Coroner determines that the remains are not subject to his or her authority and if the Coroner recognizes the human remains to be those of a Native American or has reason to believe that they are those of a Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission (NAHC).

After notification, the NAHC will follow the procedures outlined in Public Resources Code Section 5097.98, that include notification of most likely descendants (MLDs), and recommendations for treatment of the remains. The MLDs will have 24 hours after notification by the NAHC to make their recommendations (PRC Section 5097.98).

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## **APPENDIX 1**

### **Resumes**



**PEAK & ASSOCIATES, INC.**  
**RESUME**

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**January 2019**

**PROFESSIONAL EXPERIENCE**

Ms. Peak has served as the principal investigator on a wide range of prehistoric and historic excavations throughout California. She has directed laboratory analyses of archeological materials, including the historic period. She has also conducted a wide variety of cultural resource assessments in California, including documentary research, field survey, Native American consultation and report preparation.

In addition, Ms. Peak has developed a second field of expertise in applied history, specializing in site-specific research for historic period resources. She is a registered professional historian and has completed a number of historical research projects for a wide variety of site types.

Through her education and experience, Ms. Peak meets the Secretary of Interior Standards for historian, architectural historian, prehistoric archeologist and historic archeologist.

**EDUCATION**

M.A. - History - California State University, Sacramento, 1989  
Thesis: *The Bellevue Mine: A Historical Resources Management Site Study in Plumas and Sierra Counties, California*  
B.A. - Anthropology - University of California, Berkeley

**RECENT PROJECTS**

Ms. Peak completed the cultural resource research and contributed to the text prepared for the DeSabra-Centerville PAD for the initial stage of the FERC relicensing. She also served cultural resource project manager for the FERC relicensing of the Beardsley-Donnells Project. For the South Feather Power Project and the Woodleaf-Palermo and Sly Creek Transmission Lines, her team completing the technical work for the project.

In recent months, Ms. Peak has completed several determinations of eligibility and effect documents in coordination with the Corps of Engineers for projects requiring federal permits, assessing the eligibility of a number of sites for the National Register of Historic Places. She has also completed historical research projects on a wide variety of topics for a number of projects including the development of navigation and landings on the Napa River, farmhouses dating to the 1860s, bridges, an early roadhouse, Folsom Dam and a section of an electric railway line.

In recent years, Ms. Peak has prepared a number of cultural resource overviews and predictive models for blocks of land proposed for future development for general and specific plans. She has been able to direct a number of surveys of these areas, allowing the model to be tested.

She served as principal investigator for the multi-phase Twelve Bridges Golf Club project in Placer County. She served as liaison with the various agencies, helped prepare the historic properties treatment plan, managed the various phases of test and data recovery excavations, and completed the final report on the analysis of the test phase excavations of a number of prehistoric sites. She is currently involved as the principal investigator for the Clover Valley Lakes project adjacent to Twelve Bridges in the City of Rocklin, coordinating contacts with Native Americans, the Corps of Engineers and the Office of Historic Preservation.

Ms. Peak has served as project manager for a number of major survey and excavation projects in recent years, including the many surveys and site definition excavations for the 172-mile-long Pacific Pipeline proposed for construction in Santa Barbara, Ventura and Los Angeles counties. She also completed an archival study in the City of Los Angeles for the project. She also served as principal investigator for a major coaxial cable removal project for AT&T.

Additionally, she completed a number of small surveys, served as a construction monitor at several urban sites, and conducted emergency recovery excavations for sites found during monitoring. She has directed the excavations of several historic complexes in Sacramento, Placer and El Dorado Counties.

Ms. Peak is the author of a chapter and two sections of a published history (1999) of Sacramento County, *Sacramento: Gold Rush Legacy, Metropolitan Legacy*. She served as the consultant for a children's book on California, published by Capstone Press in 2003 in the Land of Liberty series.

## **Michael D Lawson**

Archaeologist  
Sacramento CA

### **RESUME**

- Extensive monitoring of open space, streets and project development areas for prehistoric period and historic period resources. Areas monitored include Sutter Street in Folsom; Mud Creek Archeological District in Chico; Camp Roberts, San Luis Obispo County; Avila Beach, San Luis Obispo County; Edgewood Golf Course, South Lake Tahoe; Davis Water Project, Davis; Star Bend levee section, Sutter County; Feather River levees, Sutter County; Bodega Bay, Sonoma County; San Jose BART line extension, Santa Clara County; and numerous sites for PG&E in San Francisco.
- 22 years of experience working in CRM, volunteer, and academic settings in California historic, proto historic, and prehistoric archaeology.
- Expertise in pedestrian survey, excavation, feature (including burial) exposure, laboratory techniques, research. Field positions include crew chief and lead technician.
- Master flintknapper, focusing for 20 years on California/Great Basin cutting tool and projectile forms and production techniques, as well as stone source research. Proto historic glass use for projectile points also a major focus. Research done in person at Phoebe Hearst Museum, Berkeley.
- 18 years of experience in traditional blacksmithing with focus on mid to late 19<sup>th</sup> century coal/charcoal forge techniques. Special interest in analysis of historic artifacts.
- 15 years independent study of late 19<sup>th</sup> century to mid-20<sup>th</sup> century farm and ranch equipment.
- Extensive independent study of historic era household, industrial and military items.
- Independent study of Yahi/Southern Yana occupation and survival strategy in the Mt. Lassen foothills, including field trips and research. Discoveries contributed to 3 publications.
- Current independent research project focus on Yahi adaptation strategy during time of hiding from 1870 to 1911 in Deer, Antelope and Mill Creek Canyons.

### ***Education***

- B.A. Anthropology with focus on archaeology. California State University Sacramento.
- A.A. General Education, lower division completed in Anthropology.

### ***Field experience***

Survey, excavation, photography conducted in 46 California counties and 3 Nevada counties over 20 years.

Notable historic archaeology projects include Virginia Town excavation of Gold Rush Era Chinese mining camp; test excavation and data recovery at stage stop on Green Valley Rd, Placer County; monitoring and collection of burial material at historic Kilgore cemetery, Rancho Cordova, Car; Monitoring, data recovery, photography, and artifact cataloguing for Sutter Street Revitalization Project, Phase One, Historic Folsom, CA; Monitoring, test excavation, data recovery at The Presidio of San Francisco, CA; Monitoring for 230 kv line installation for PG&E in historic San Francisco, Ca. to name just a few.

Prehistoric and Proto-historic site project involvement highlights include survey, monitoring, excavation Twelve Bridges Golf Course, Lincoln, CA; survey, monitoring, excavation Clover Valley Lakes, Rocklin, CA; survey of Diamond Valley, Alpine County, CA; Survey, excavation, burial care and monitoring of Feather River Levee Setback Project, Sutter County, CA; monitoring, excavation, burial care, Feather River West Levee Project, Yuba County, CA; survey, monitoring, excavation, and burial care Alamo Creek Detention Basin Project, Solano County, CA; monitoring, excavation, burial care, BART extension Project, San Jose, Milpitas, CA; Survey, excavation San Clemente Island, US Channel Islands, Los Angeles County, CA.

### ***Additional Skills***

Mike is known for extensive knowledge of historic and prehistoric artifacts and regularly instructs new undergraduates as well as graduates on artifact identification, use, manufacture and commonality.

Mike is also known for his willingness to share and teach his expertise in field techniques from surveying to excavation and feature work.

**APPENDIX 2**  
**NCIC Record Search**







8/2/2019

NCIC File No.: SAC-19-150

Robert Gerry  
Peak & Associates, Inc.  
3941 Park Drive, Suite 20-329  
El Dorado Hills, CA 95762

Re: Rutter Middle School Project

The North Central Information Center received your record search request for the project area referenced above, located on the Florin USGS 7.5' quad. The following reflects the results of the records search for the project area and a 1/8-mi radius.

As indicated on the data request form, the locations of resources and reports are provided in the following format:  custom GIS maps  shapefiles

Resources within project area:	None
Resources outside project area, within radius:	None
Reports within project area:	60
Reports outside project area, within radius:	9313

- Resource Database Printout (list):**  enclosed  not requested  nothing listed/NA
- Resource Database Printout (details):**  enclosed  not requested  nothing listed/NA
- Resource Digital Database Records:**  enclosed  not requested  nothing listed/NA
- Report Database Printout (list):**  enclosed  not requested  nothing listed/NA
- Report Database Printout (details):**  enclosed  not requested  nothing listed/NA
- Report Digital Database Records:**  enclosed  not requested  nothing listed/NA
- Resource Record Copies:**  enclosed  not requested  nothing listed/NA
- Report Copies:**  enclosed  not requested  nothing listed/NA

**OHP Historic Properties Directory:**       enclosed    not requested    nothing listed/NA

**Archaeological Determinations of Eligibility:**  enclosed    not requested    nothing listed/NA

**CA Inventory of Historic Resources (1976):**    enclosed    not requested    nothing listed/NA

**Caltrans Bridge Survey:**                       enclosed    not requested    nothing listed/NA

**Ethnographic Information:**                     enclosed    not requested    nothing listed/NA

**Historical Literature:**                           enclosed    not requested    nothing listed/NA

**Historical Maps:**                                 enclosed    not requested    nothing listed/NA

**Local Inventories:**                               enclosed    not requested    nothing listed/NA

**GLO and/or Rancho Plat Maps:**             enclosed    not requested    nothing listed/NA

**Shipwreck Inventory:**                         enclosed    not requested    nothing listed/NA

**Soil Survey Maps:**                              enclosed    not requested    nothing listed/NA

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the California Historical Resources Information System (CHRIS) Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

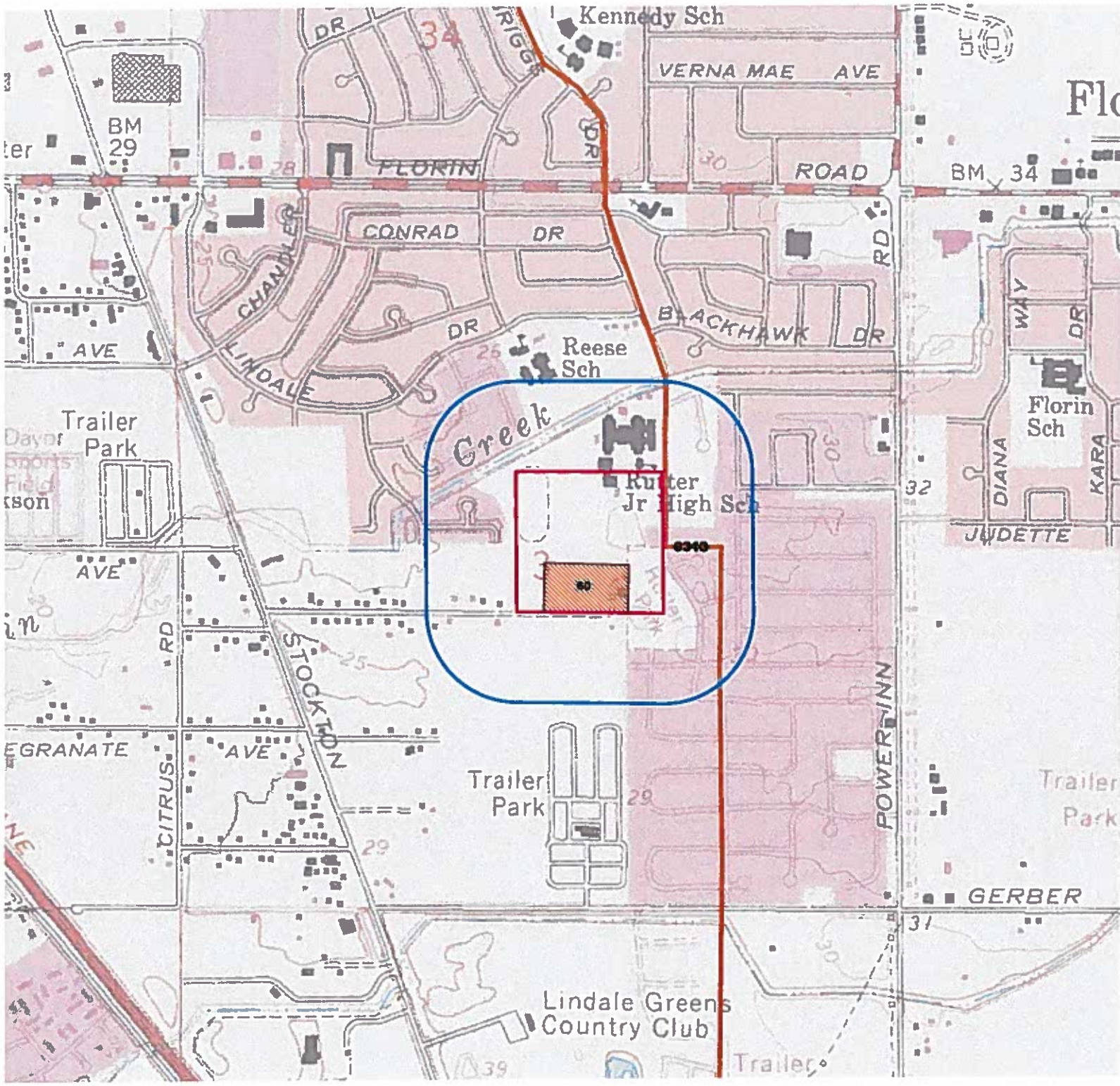
Sincerely,

Paul Rendes, Assistant Coordinator  
North Central Information Center

## Report List

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
000060		1977	Kealms, Philip K.	An Intensive Archeological and Historical Survey of Rutter Community Park.	Archeology Study Center, Department of Anthropology, CSU Sacramento	
009313		2008	Nancy Sikes and Amanda Martinez	Cultural Resources Survey of the Central Sewer Trunk Rehabilitation Project, Sacramento County, California	SWCA Environmental Consultants	





Florin

Kennedy Sch

VERNA MAE AVE

ROAD

FLORIN

CONRAD DR

BLACKHAWK DR

Reese Sch

Creek

Ruster Jr High Sch

Florin Sch

JUDETTE

Trailer Park

Trailer Park

Trailer Park

GERBER

Lindale Greens Country Club

Trailer



# **APPENDIX D**

## **AB 52 TRIBAL CONSULTATION CORRESPONDENCE**





**PEAK & ASSOCIATES, INC.**  
CONSULTING ARCHEOLOGY



August 13, 2019

lone Band of Miwok Indians  
Sara Dutschke Setchwaelo, Chairperson  
P.O. Box 699  
Plymouth, CA 95669

RE: AB-52 Notification for the Rutter School and Park Project

Dear Ms. Setchwaelo:

Please consider this letter as formal notification of a proposed project under Assembly Bill 52 (AB-52), codified as Section 21080.3.1 of the California Environmental Quality Act (CEQA). The purpose of this letter is to share preliminary project information and invite you to consult on the Rutter School and Park Renovation Plan.

The project proposes to construct an extension of an existing bike/hiking path along the south side of the school property, located on Palmer House Drive in the southeastern portion of the City of Sacramento. Also included is construction of a baseball diamond and an aquatic center on school property. At the park, south of the proposed bike/hiking path, a new basketball court is planned, along with other amenities.

Enclosed, please find a project location map of the sites and a conceptual design. The Southgate Recreation & Park District funded a record search, a pedestrian survey of full project area and a report on the findings. The record search and survey have been completed, both with negative results in terms of Native American resources. The details of the survey and report can be made available to you at your request.

For this project Peak & Associates is acting as an agent for the Southgate Recreation and Park District. Therefore, if there is information regarding sites, traditional cultural properties, or other cultural resource considerations within the project area that you would like to share, or if you would like to consult, please respond in writing to Vincent King at [vking@southqaterecandpark.net](mailto:vking@southqaterecandpark.net) within thirty (30) days of receipt of this notification.

Sincerely,

*Robert A. Gerry*

Consulting Archeologist

Attachments

**PEAK & ASSOCIATES, INC.**  
CONSULTING ARCHEOLOGY



August 13, 2019

United Auburn Indian Community of the Auburn Rancheria  
Gene Whitehouse, Chairman  
10720 Indian Hill Road  
Auburn, CA 95603

RE: AB-52 Notification for the Rutter School and Park Project

Dear Mr. Whitehouse:

Please consider this letter as formal notification of a proposed project under Assembly Bill 52 (AB-52), codified as Section 21080.3.1 of the California Environmental Quality Act (CEQA). The purpose of this letter is to share preliminary project information and invite you to consult on the Rutter School and Park Renovation Plan.

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Sincerely,

*Robert A. Gerry*

Consulting Archeologist

Attachments

**PEAK & ASSOCIATES, INC.**  
CONSULTING ARCHEOLOGY



August 13, 2019

Buena Vista Rancheria  
Roselynn Lwenya, Environmental Resources Director  
Tribal Historic Preservation Officer  
1418 20<sup>th</sup> Street, Ste 200  
Sacramento, CA 95811

RE: AB-52 Notification for the Rutter School and Park Project

Dear Ms. Lwenya:

Please consider this letter as formal notification of a proposed project under Assembly Bill 52 (AB-52), codified as Section 21080.3.1 of the California Environmental Quality Act (CEQA). The purpose of this letter is to share preliminary project information and invite you to consult on the Rutter School and Park Renovation Plan.

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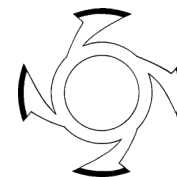
Sincerely,

*Robert A. Gerry*

Consulting Archeologist

Attachments

**PEAK & ASSOCIATES, INC.**  
CONSULTING ARCHEOLOGY



August 13, 2019

Torres Martinez Desert Cahuilla Indians  
Michael Mirelez, Cultural Resources Coordinator  
P.O. Box 1160  
Thermal, CA 92274

RE: AB-52 Notification for the Rutter School and Park Project

Dear Mr. Mirelez:

Please consider this letter as formal notification of a proposed project under Assembly Bill 52 (AB-52), codified as Section 21080.3.1 of the California Environmental Quality Act (CEQA). The purpose of this letter is to share preliminary project information and invite you to consult on the Rutter School and Park Renovation Plan.

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Sincerely,

*Robert A. Gerry*

Consulting Archeologist

Attachments

**PEAK & ASSOCIATES, INC.**  
CONSULTING ARCHEOLOGY



August 13, 2019

Wilton Rancheria  
Steven Hutchason, Executive Director  
Environmental Resources Department  
9728 Kent Street  
Elk Grove, CA 95624

RE: AB-52 Notification for the Rutter School and Park Project

Dear Mr. Hutchason:

Please consider this letter as formal notification of a proposed project under Assembly Bill 52 (AB-52), codified as Section 21080.3.1 of the California Environmental Quality Act (CEQA). The purpose of this letter is to share preliminary project information and invite you to consult on the Rutter School and Park Renovation Plan.

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Sincerely,

*Robert A. Gerry*  
Consulting Archeologist

Attachments



# Rutter Swim Center & Park Renovation



## New Amenities & Features

- Lights
- Trees
- Bike/Ped Path
- Path
- Drainage Swales

Feet  
 150  
 1 inch = 150 Feet

(N) Denotes New

BUILDING	APPROX S.F.
Aquatic Center	3,000 sf
Locker Rooms - 1,300 sf	
Storage - 300 sf	
Restrooms - 500 sf	
Cashier area- 270 sf	
Office - 480 sf	
Snack Bar - 150 sf	
Pool Eq. Bldg	1,600
Project Indoor Space = <1% of overall project 8% of Swim Center	

\*No trees will be removed by the proposed project  
 Page formatted for 11" x 17" Size

# FIGURE 1





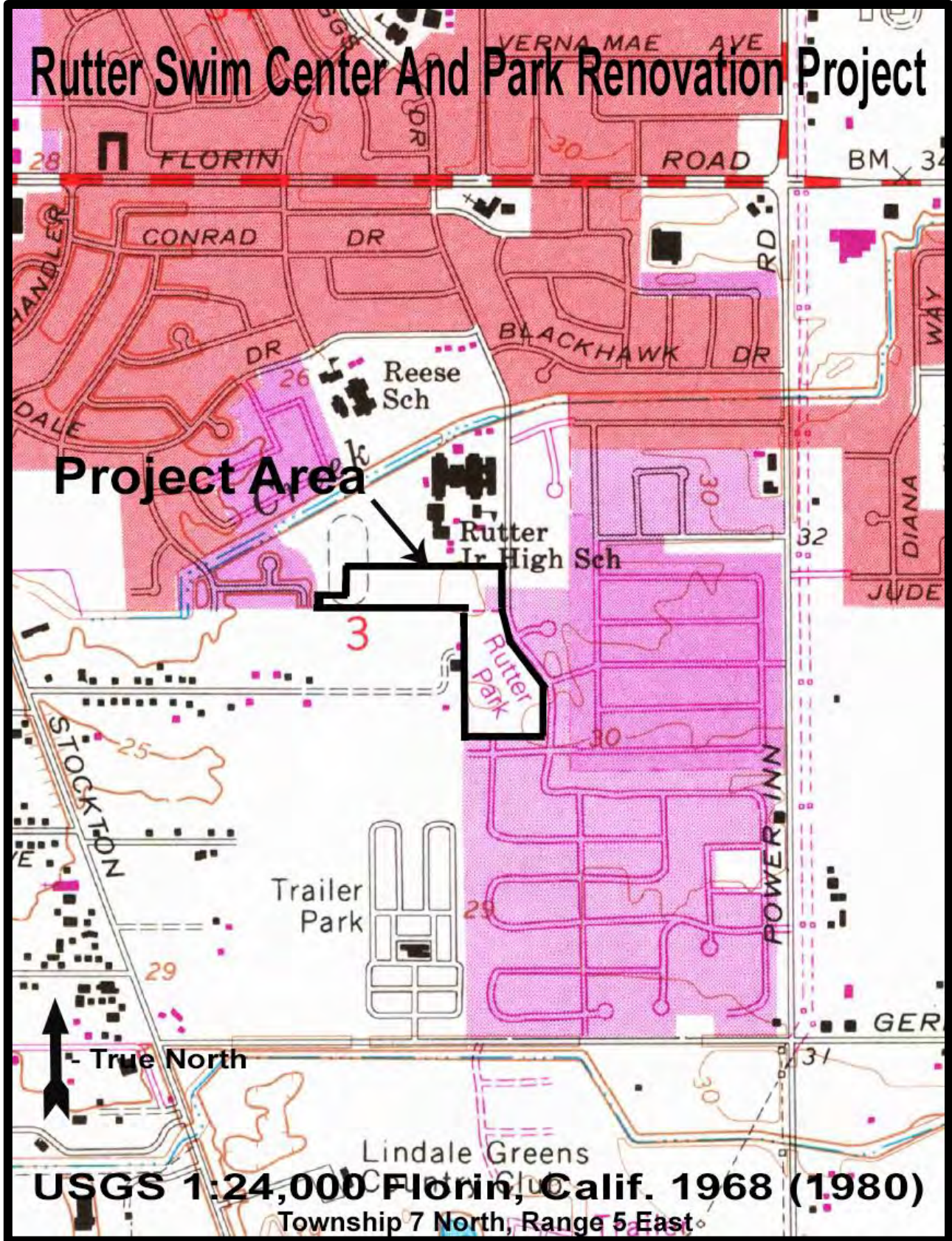


Figure 2

