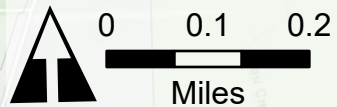


Appendix C: Assessor's Parcel Number Map Set

Lake Tahoe



Legend

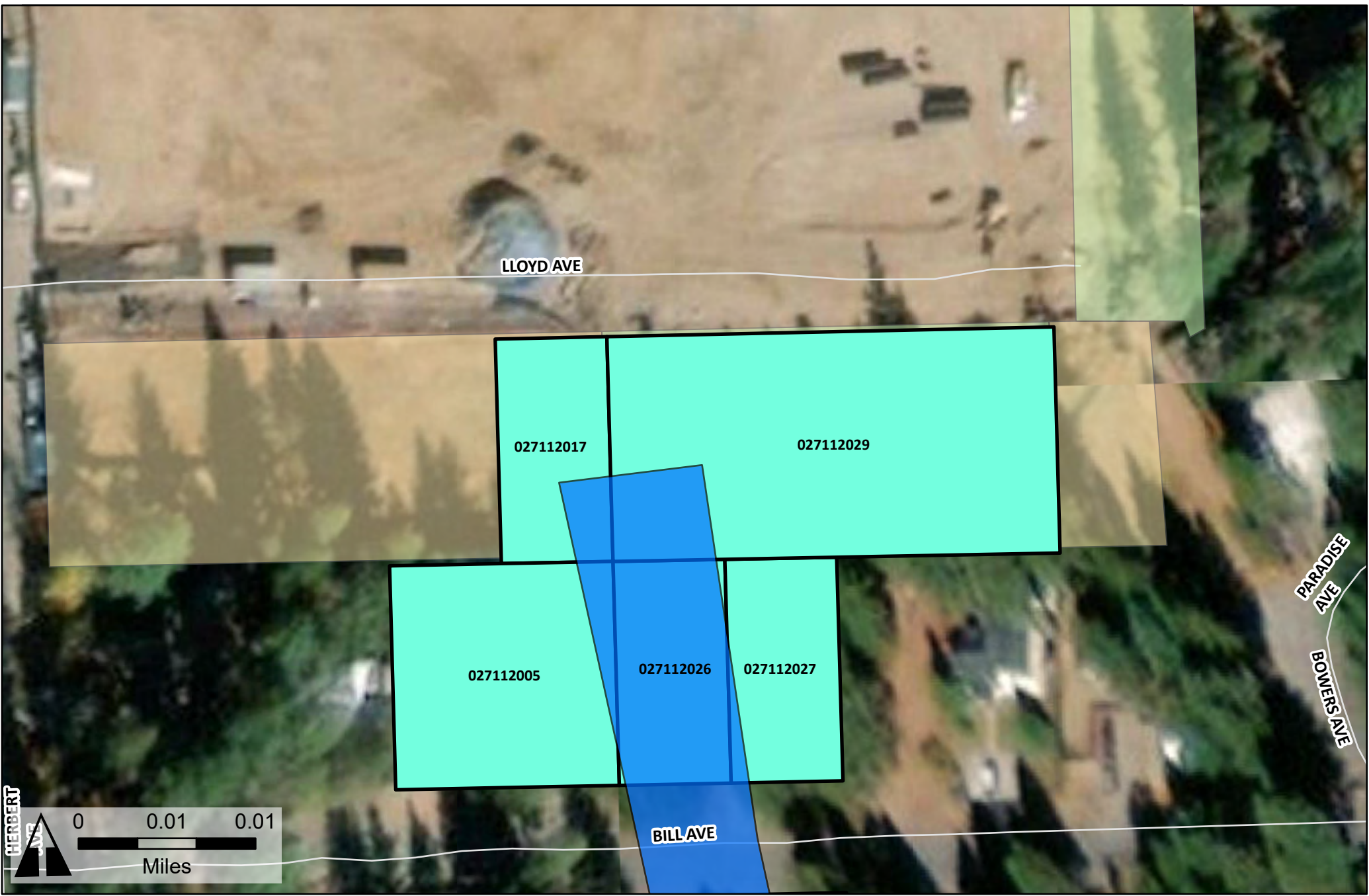
- City of South Lake Tahoe Land
- United States Forest Service Land
- California Tahoe Conservancy Land
- Ski Run Diversion
- Aloha Basin
- Bijou School Frontage Drainage Improvements
- Osgood Expansion
- Keller Canyon Bypass
- Bijou Park Creek SEZ Enhancement
- Needle Peak Localized Treatment
- Pioneer Crossing Culvert Replacement
- Shirley to Whole Foods Drainage Improvement
- Rockwood to Blackwood Drainage Improvements
- Upper Bijou Park Creek
- Parcels

PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

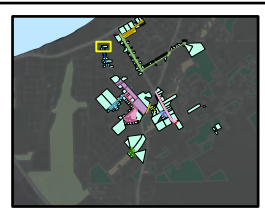


Overview
September 2020



Legend

- Parcels
- Shirley to Whole Foods Drainage Improvement
- City of South Lake Tahoe Land
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

Catalyst
ENVIRONMENTAL SOLUTIONS

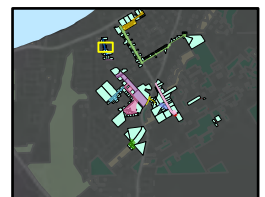
Figure 01

September 2020



Legend

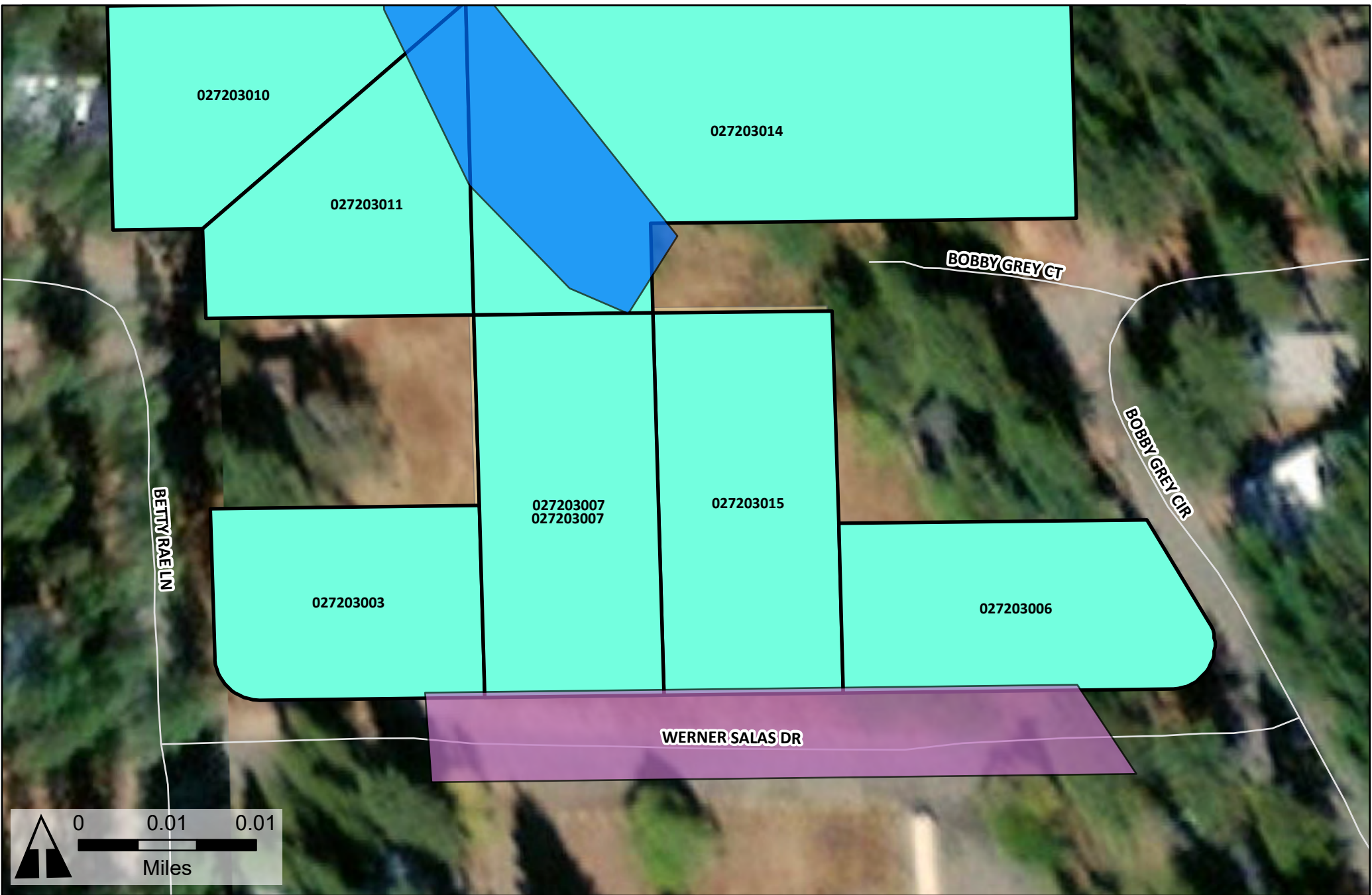
-  Parcels
-  Shirley to Whole Foods Drainage Improvement
-  California Tahoe Conservancy Land
-  Roads



PARCELS AFFECTED BY PROPOSED PROJECT

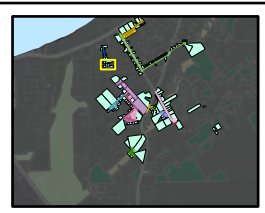
Bijou Park Creek Watershed Restoration Project





Legend

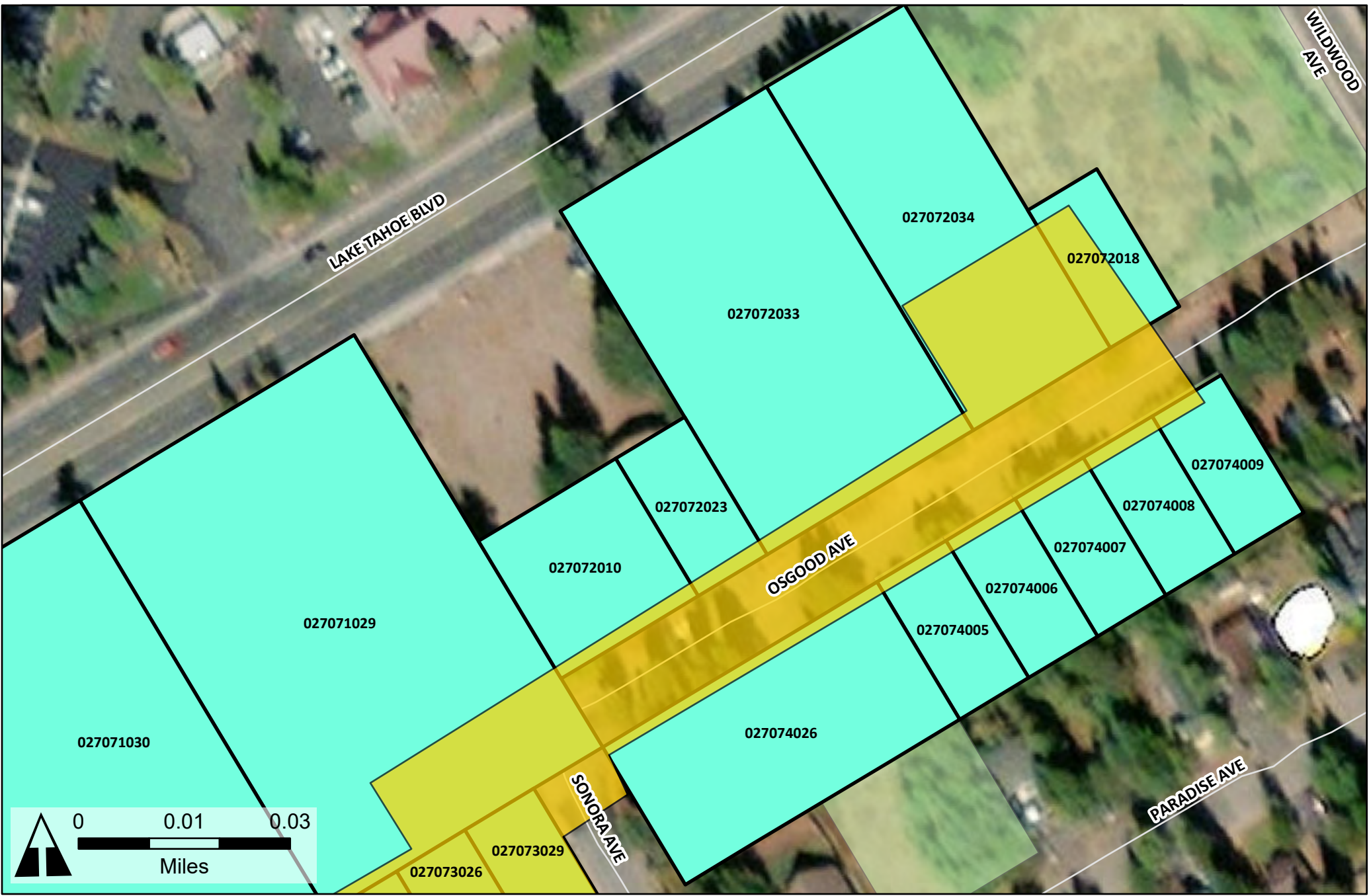
- Parcels
- Bijou Park Creek SEZ Enhancement
- Shirley to Whole Foods Drainage Improvement
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT
Bijou Park Creek Watershed Restoration Project

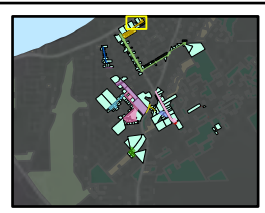
Figure 03
September 2020

 Catalyst
ENVIRONMENTAL SOLUTIONS



Legend

- Parcels
- Osgood Expansion
- City of South Lake Tahoe Land
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

Figure 04

September 2020





Legend

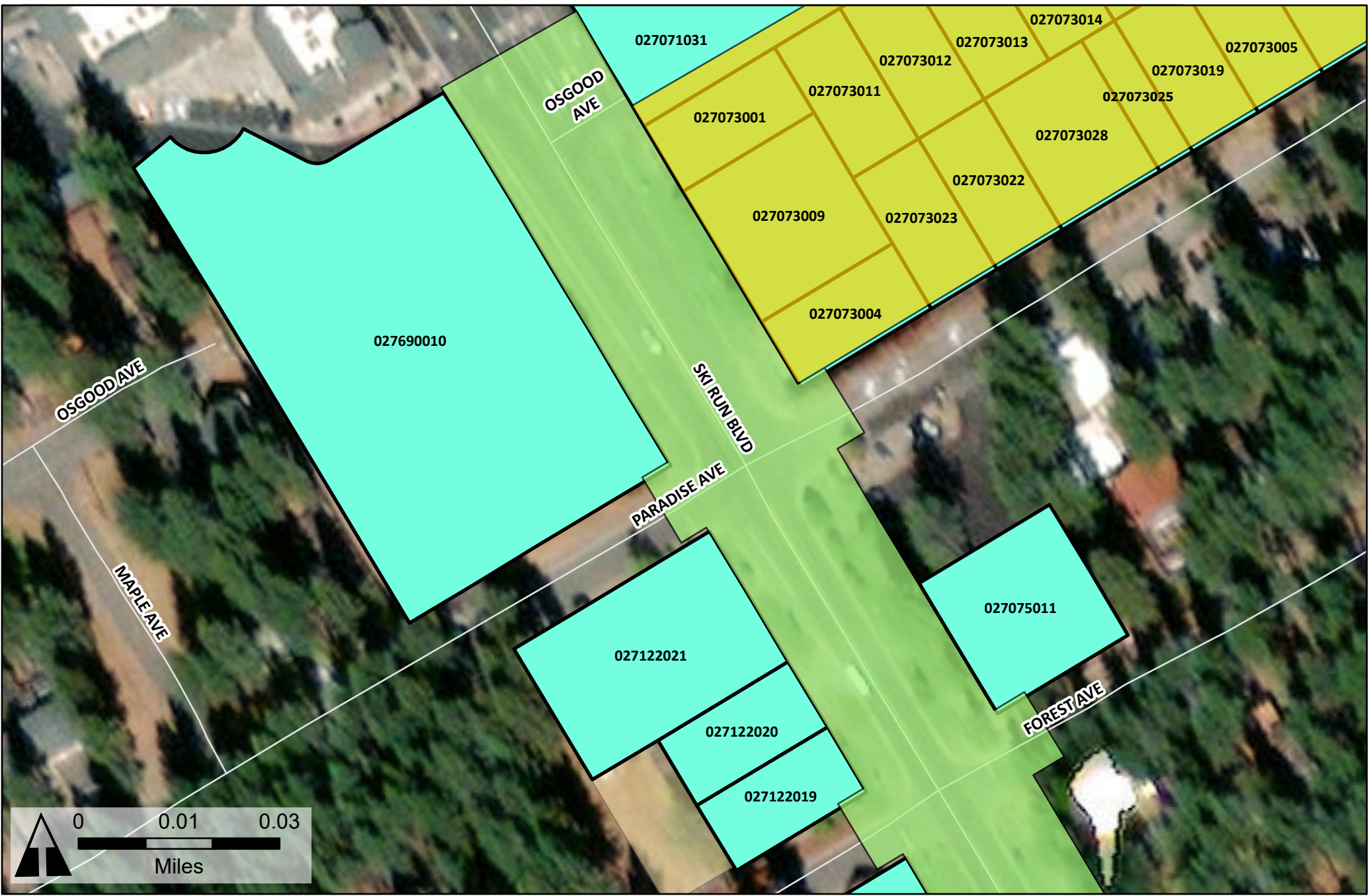
- Parcels
- Osgood Expansion
- Keller Canyon Bypass
- City of South Lake Tahoe Land
- California Tahoe Conservancy Land
- Roads

PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

Catalyst
ENVIRONMENTAL SOLUTIONS

Figure 05
September 2020



Legend

- Parcels
- Osgood Expansion
- Keller Canyon Bypass
- City of South Lake Tahoe Land
- California Tahoe Conservancy Land
- Roads

PARCELS AFFECTED BY PROPOSED PROJECT

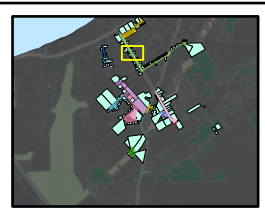
Bijou Park Creek Watershed Restoration Project

Figure 06
September 2020



Legend

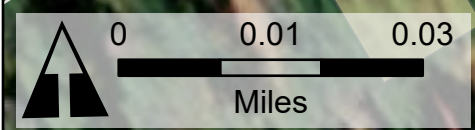
- Parcels
- Keller Canyon Bypass
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project





- Legend**
- Parcels
 - Keller Canyon Bypass
 - City of South Lake Tahoe Land
 - California Tahoe Conservancy Land
 - Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

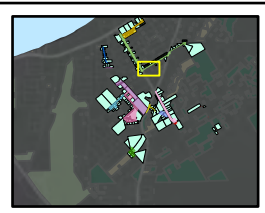


Figure 08
September 2020



Legend

- Parcels
- Keller Canyon Bypass
- City of South Lake Tahoe Land
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project



Figure 09

September 2020



Legend

- Parcels
- Keller Canyon Bypass
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads

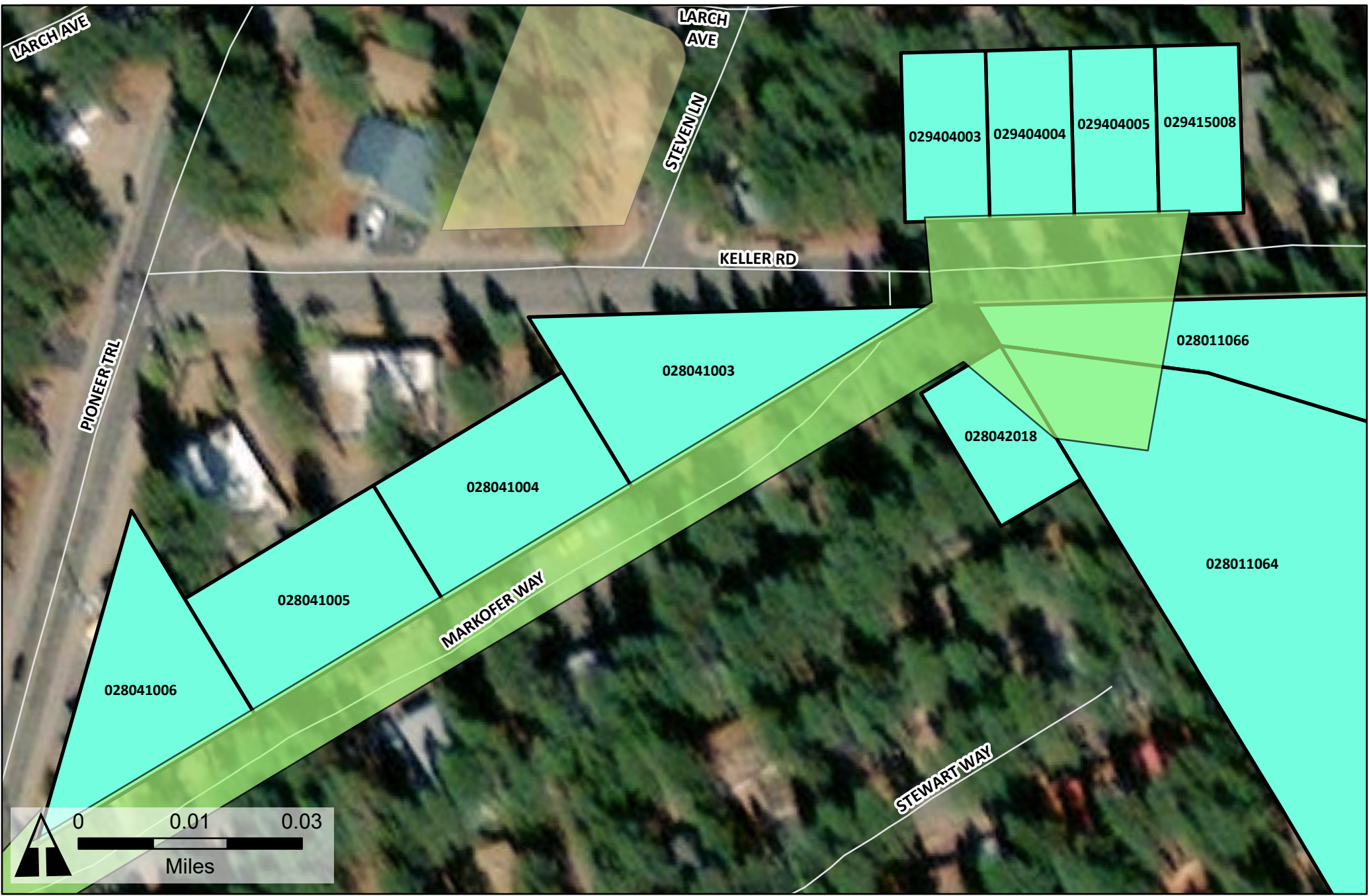


PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

Figure 10

September 2020



Legend

- Parcels
- Keller Canyon Bypass
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT
Bijou Park Creek Watershed Restoration Project

 **Figure 11**
September 2020



Legend

- Parcels
- Keller Canyon Bypass
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads

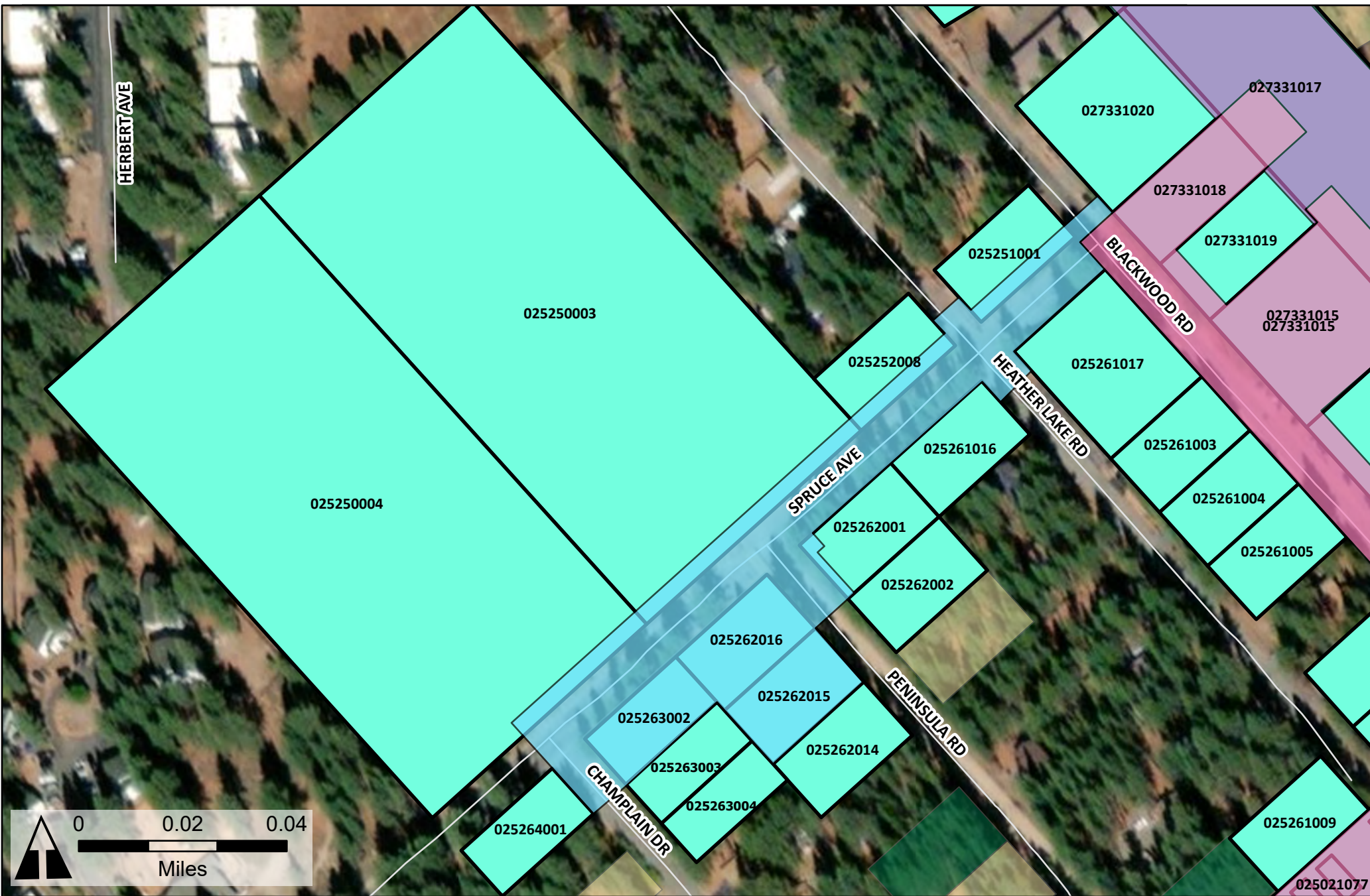


PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

 **Figure 12**

September 2020



Legend

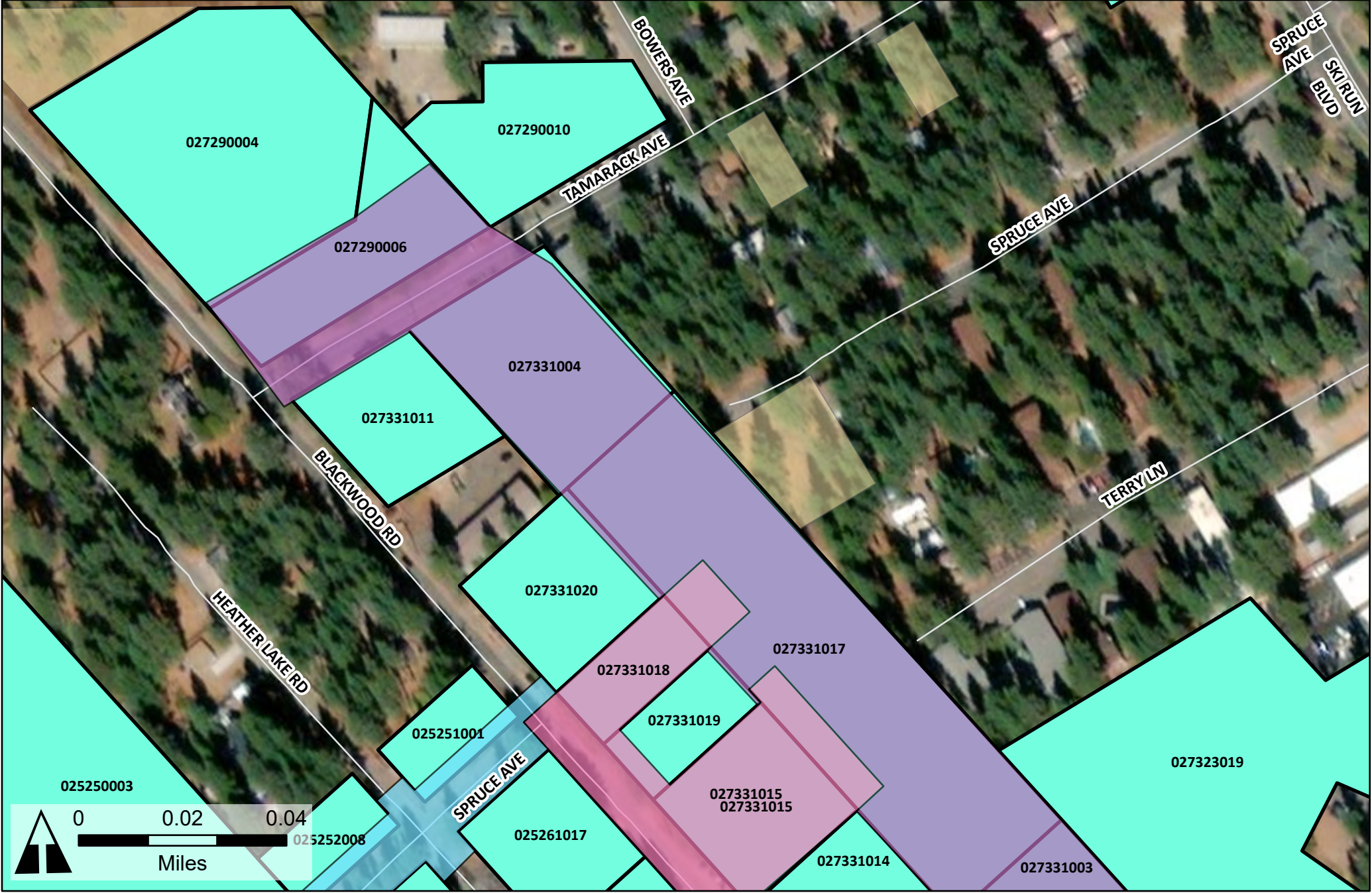
- Parcels
- Bijou School Frontage Drainage Improvements
- Bijou Park Creek SEZ Enhancement
- Rockwood to Blackwood Drainage Improvements
- City of South Lake Tahoe Land
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads

PARCELS AFFECTED BY PROPOSED PROJECT

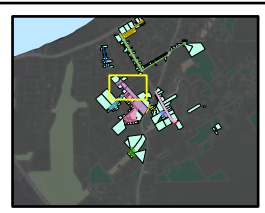
Bijou Park Creek Watershed Restoration Project

Figure 13

September 2020



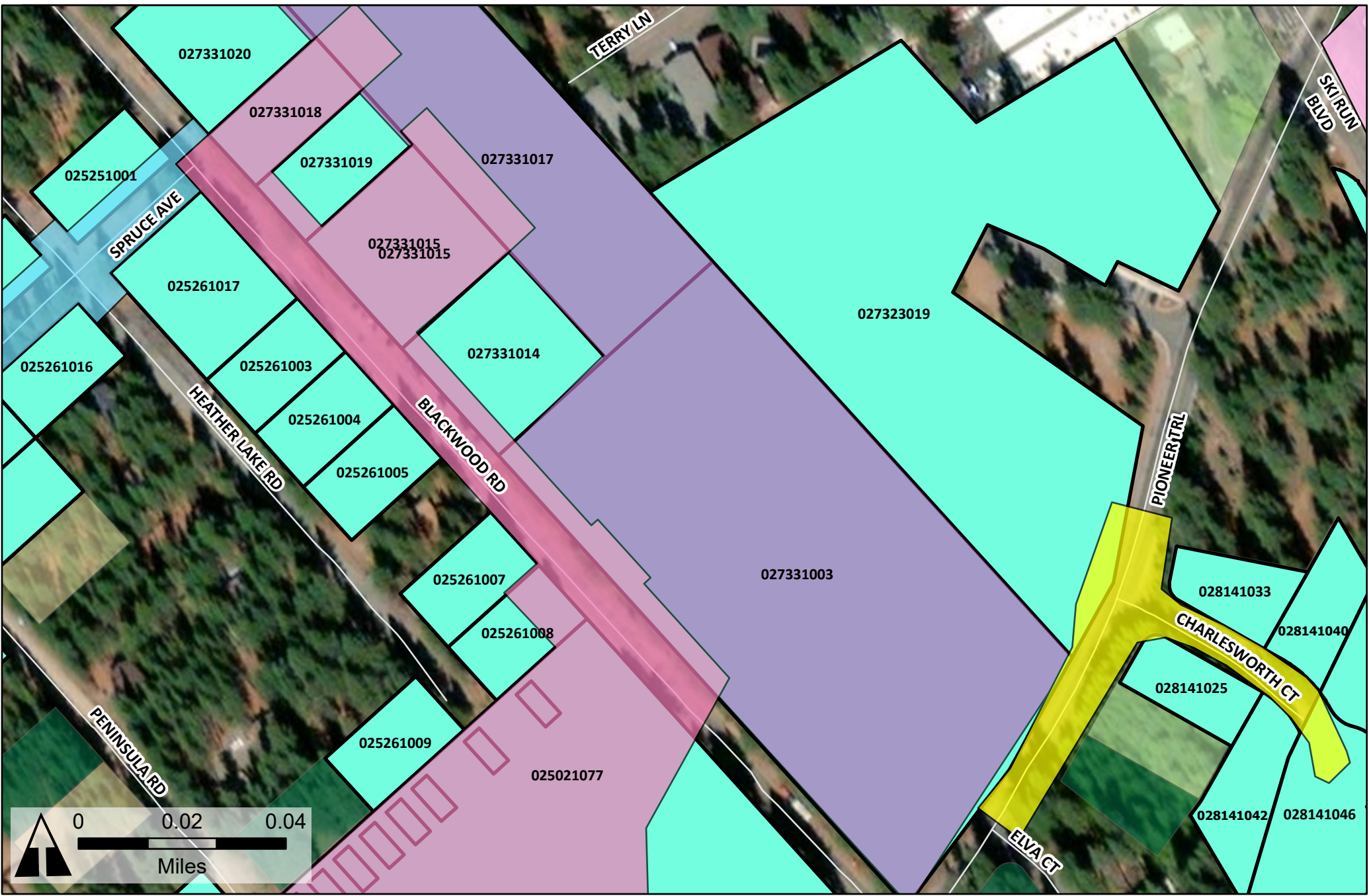
- Legend**
- Parcels
 - Bijou School Frontage Drainage Improvements
 - Bijou Park Creek SEZ Enhancement
 - Rockwood to Blackwood Drainage Improvements
 - City of South Lake Tahoe Land
 - United States Forest Service Land
 - California Tahoe Conservancy Land
 - Roads



PARCELS AFFECTED BY PROPOSED PROJECT

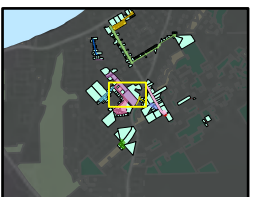
Bijou Park Creek Watershed Restoration Project





Legend

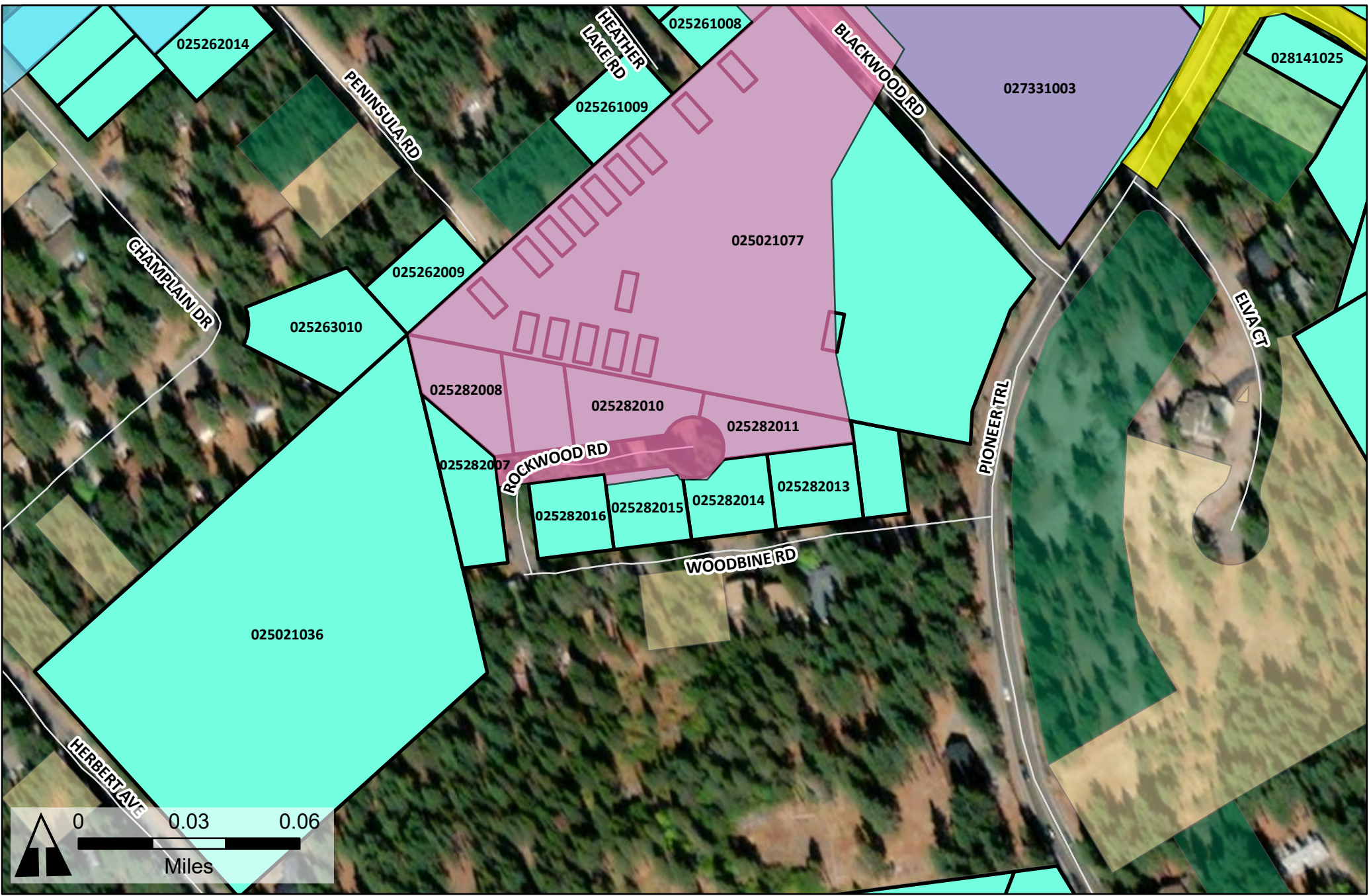
- Parcels
- Bijou School Frontage Drainage Improvements
- Bijou Park Creek SEZ Enhancement
- Pioneer Crossing Culvert Replacement
- Rockwood to Blackwood Drainage Improvements
- Ski Run Diversion
- City of South Lake Tahoe Land
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project





- Legend**
- Parcels
 - Bijou School Frontage Drainage Improvements
 - Bijou Park Creek SEZ Enhancement
 - Pioneer Crossing Culvert Replacement
 - Rockwood to Blackwood Drainage Improvements
 - City of South Lake Tahoe Land
 - United States Forest Service Land
 - California Tahoe Conservancy Land
 - Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project



Figure 16
September 2020



Legend

- Parcels
- Rockwood to Blackwood Drainage Improvements
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads



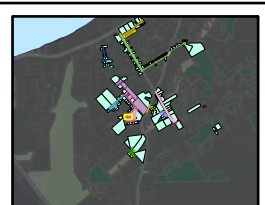
PARCELS AFFECTED BY PROPOSED PROJECT
Bijou Park Creek Watershed Restoration Project

Figure 17
September 2020

Catalyst
ENVIRONMENTAL SOLUTIONS



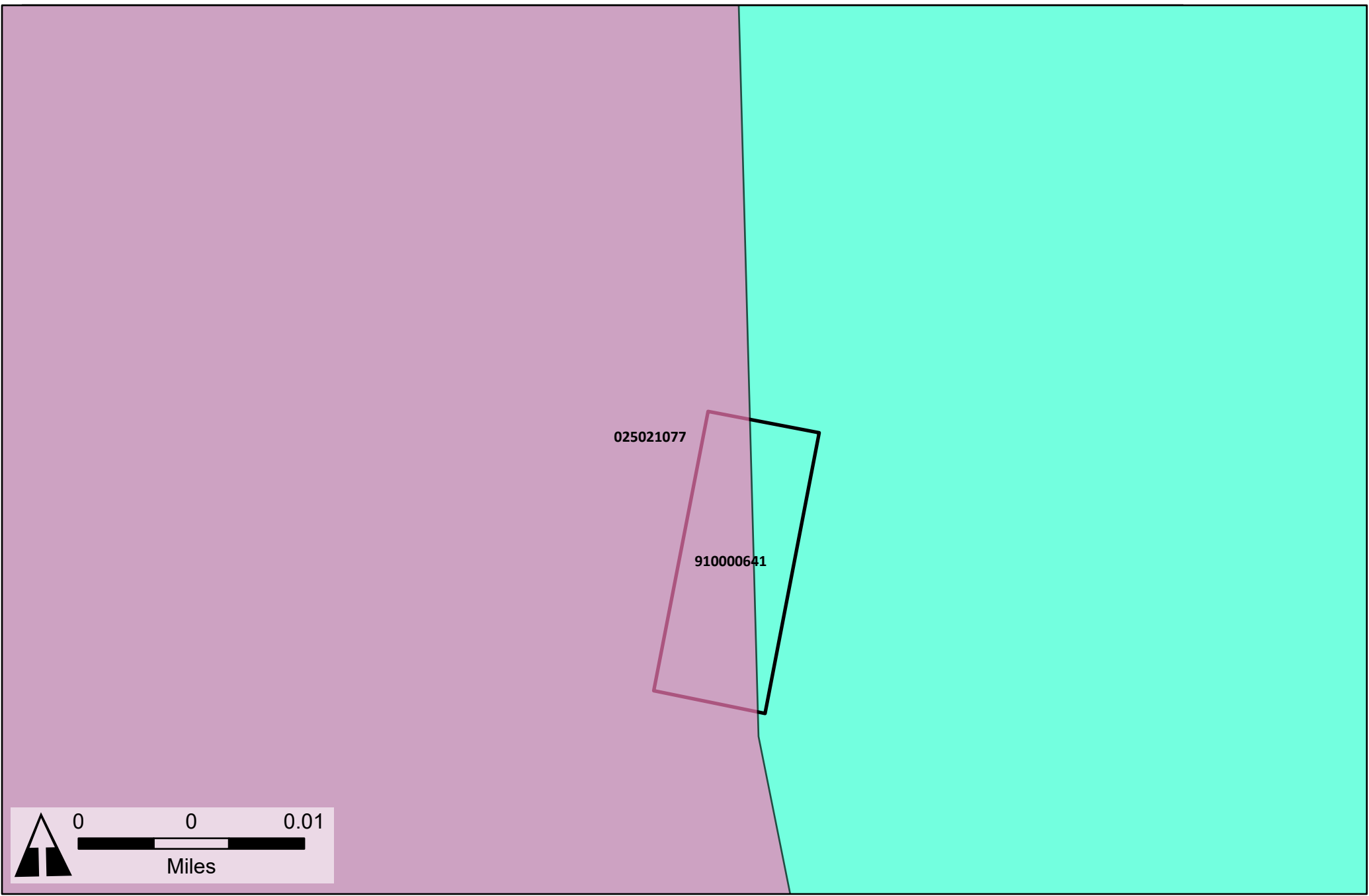
- Legend**
- Parcels
 - Rockwood to Blackwood Drainage Improvements
 - United States Forest Service Land
 - California Tahoe Conservancy Land
 - Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project





Legend

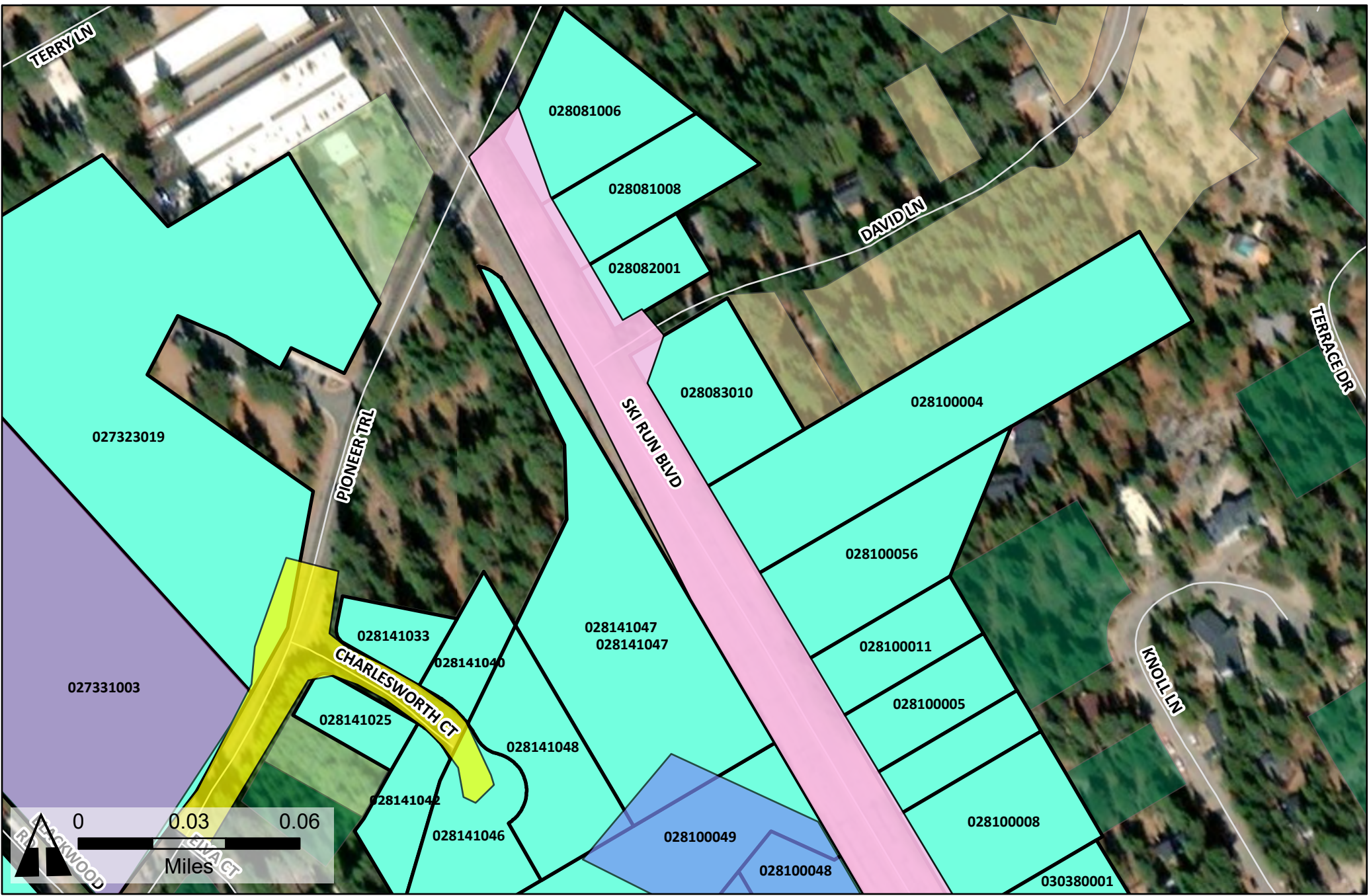
- Parcels
- Rockwood to Blackwood Drainage Improvements



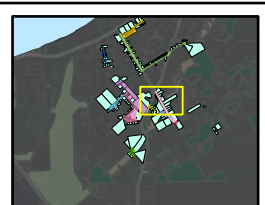
PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project





- Legend**
- Parcels
 - Bijou Park Creek SEZ Enhancement
 - Pioneer Crossing Culvert Replacement
 - Upper Bijou Park Creek
 - Ski Run Diversion
 - City of South Lake Tahoe Land
 - United States Forest Service Land
 - California Tahoe Conservancy Land
 - Roads

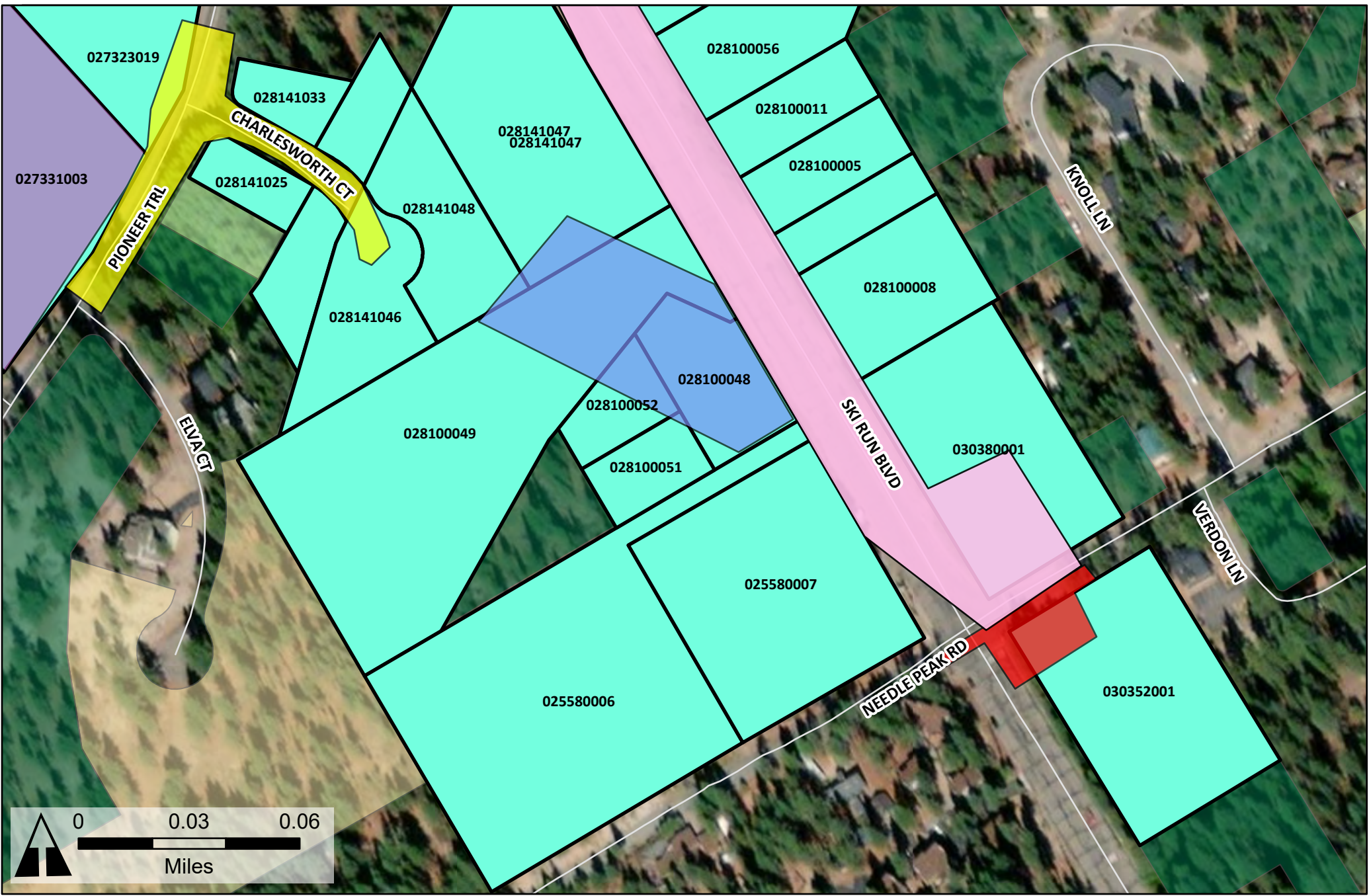


PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project



Figure 20
September 2020



Legend

Parcels	Ski Run Diversion
Bijou Park Creek SEZ Enhancement	City of South Lake Tahoe Land
Needle Peak Localized Treatment	United States Forest Service Land
Pioneer Crossing Culvert Replacement	California Tahoe Conservancy Land
Upper Bijou Park Creek	Roads

PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

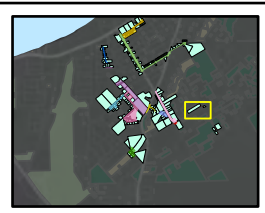
Catalyst
ENVIRONMENTAL SOLUTIONS

Figure 21
September 2020



Legend

- Parcels
- Needle Peak Localized Treatment
- City of South Lake Tahoe Land
- United States Forest Service Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

 **Catalyst**
ENVIRONMENTAL SOLUTIONS

Figure 22

September 2020



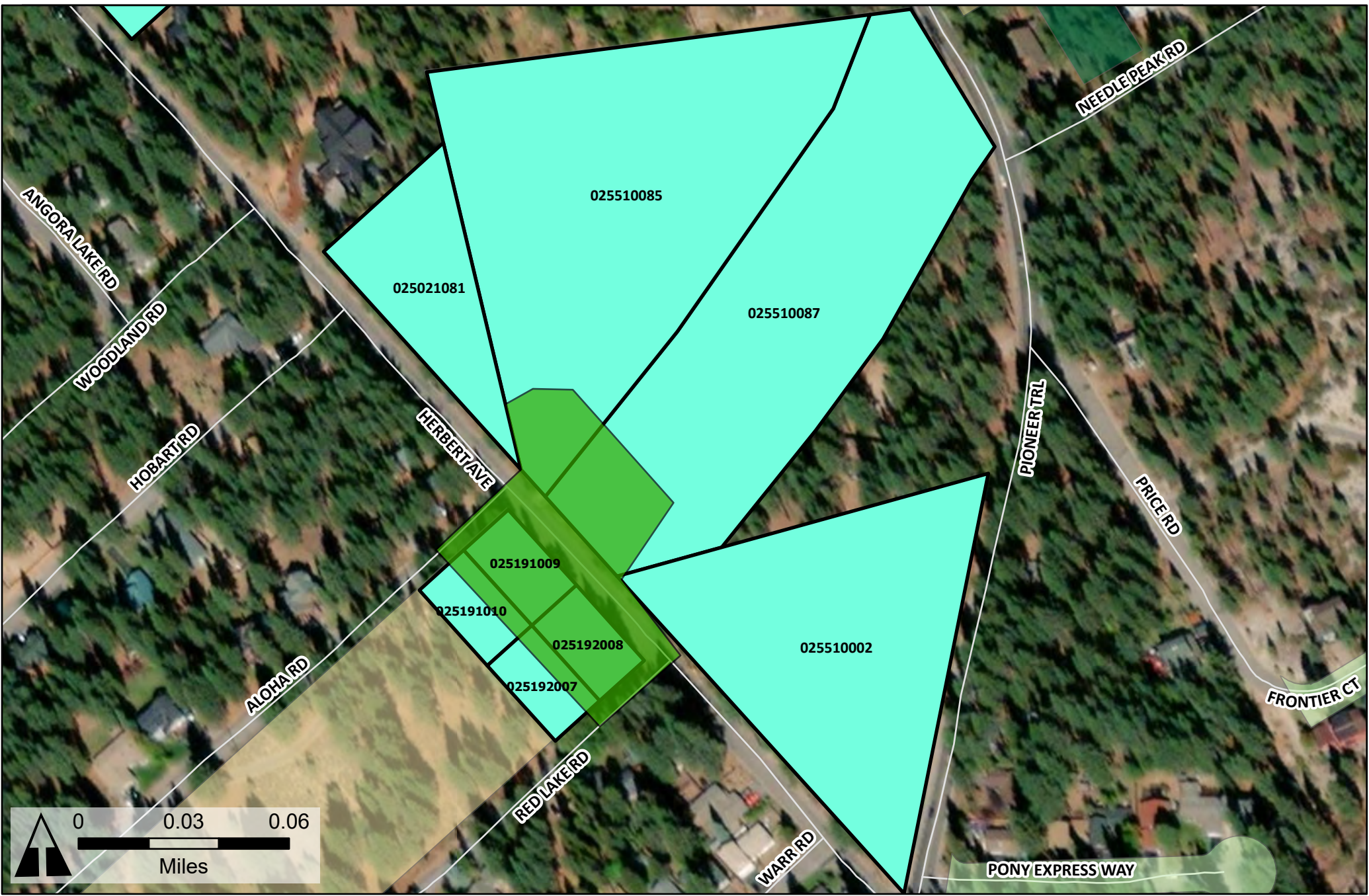
Legend

- Parcels
- Needle Peak Localized Treatment
- United States Forest Service Land
- Roads



PARCELS AFFECTED BY PROPOSED PROJECT
Bijou Park Creek Watershed Restoration Project

 **Figure 23**
September 2020



Legend

- Parcels
- Aloha Basin
- City of South Lake Tahoe Land
- United States Forest Service Land
- California Tahoe Conservancy Land
- Roads

PARCELS AFFECTED BY PROPOSED PROJECT

Bijou Park Creek Watershed Restoration Project

Catalyst
ENVIRONMENTAL SOLUTIONS

Figure 24
September 2020

Appendix D: Air Quality Model Results

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

Bijou Park Creek IS
El Dorado-Lake Tahoe County, Annual**1.0 Project Characteristics**

1.1 Land Usage

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
	0.00		0.00	0.00	0

1.2 Other Project Characteristics

Urbanization	Urban	Wind Speed (m/s)	2.7	Precipitation Freq (Days)	70
Climate Zone	1			Operational Year	2022
Utility Company	Statewide Average				
CO2 Intensity (lb/MWhr)	1001.57	CH4 Intensity (lb/MWhr)	0.029	N2O Intensity (lb/MWhr)	0.006

1.3 User Entered Comments & Non-Default Data

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

Project Characteristics -

Land Use -

Construction Phase - Assumed construction schedule per site.

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment -

Off-road Equipment - No Architectural Coating

Demolition -

Grading - Project Description

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	0.00	88.00
tblConstructionPhase	NumDays	0.00	88.00
tblConstructionPhase	NumDays	0.00	86.00
tblConstructionPhase	NumDays	0.00	87.00
tblConstructionPhase	NumDays	0.00	87.00
tblConstructionPhase	PhaseEndDate	5/30/2021	9/30/2022
tblConstructionPhase	PhaseEndDate	5/30/2021	9/30/2021
tblConstructionPhase	PhaseEndDate	5/30/2021	5/31/2022
tblConstructionPhase	PhaseEndDate	5/30/2021	1/31/2023
tblConstructionPhase	PhaseEndDate	5/30/2021	1/31/2022
tblConstructionPhase	PhaseStartDate	5/31/2021	6/1/2022
tblConstructionPhase	PhaseStartDate	5/31/2021	6/1/2021
tblConstructionPhase	PhaseStartDate	5/31/2021	2/1/2022
tblConstructionPhase	PhaseStartDate	5/31/2021	10/3/2022
tblConstructionPhase	PhaseStartDate	5/31/2021	10/1/2021
tblGrading	AcresOfGrading	43.50	50.60
tblOffRoadEquipment	HorsePower	97.00	158.00
tblOffRoadEquipment	LoadFactor	0.37	0.37
tblOffRoadEquipment	LoadFactor	0.37	0.38
tblOffRoadEquipment	OffRoadEquipmentUnitAmount	1.00	0.00
tblTripsAndVMT	WorkerTripNumber	15.00	13.00

2.0 Emissions Summary

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

2.1 Overall Construction**Unmitigated Construction**

	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
Year	tons/yr										MT/yr					
2021	0.0751	0.7236	0.7046	1.2400e-003	0.0327	0.0351	0.0678	4.4500e-003	0.0329	0.0374	0.0000	108.7556	108.7556	0.0274	0.0000	109.4412
2022	0.0925	0.8527	0.9354	1.5600e-003	0.0676	0.0433	0.1109	0.0229	0.0404	0.0634	0.0000	135.3724	135.3724	0.0345	0.0000	136.2352
2023	7.5500e-003	0.0610	0.0822	1.4000e-004	1.5600e-003	2.9200e-003	4.4800e-003	4.1000e-004	2.7200e-003	3.1400e-003	0.0000	11.5914	11.5914	3.0400e-003	0.0000	11.6675
Maximum	0.0925	0.8527	0.9354	1.5600e-003	0.0676	0.0433	0.1109	0.0229	0.0404	0.0634	0.0000	135.3724	135.3724	0.0345	0.0000	136.2352

Mitigated Construction

	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
Year	tons/yr										MT/yr					
2021	0.0751	0.7236	0.7046	1.2400e-003	0.0327	0.0351	0.0678	4.4500e-003	0.0329	0.0374	0.0000	108.7555	108.7555	0.0274	0.0000	109.4410
2022	0.0925	0.8527	0.9354	1.5600e-003	0.0676	0.0433	0.1109	0.0229	0.0404	0.0634	0.0000	135.3723	135.3723	0.0345	0.0000	136.2350
2023	7.5500e-003	0.0610	0.0822	1.4000e-004	1.5600e-003	2.9200e-003	4.4800e-003	4.1000e-004	2.7200e-003	3.1400e-003	0.0000	11.5914	11.5914	3.0400e-003	0.0000	11.6675
Maximum	0.0925	0.8527	0.9354	1.5600e-003	0.0676	0.0433	0.1109	0.0229	0.0404	0.0634	0.0000	135.3723	135.3723	0.0345	0.0000	136.2350

Bijou Park Creek IS - El Dorado-Lake Tahoe 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
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

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	5-31-2021	8-30-2021	0.3828	0.3828
2	8-31-2021	11-29-2021	0.3126	0.3126
3	11-30-2021	2-27-2022	0.2502	0.2502
4	2-28-2022	5-30-2022	0.2364	0.2364
5	5-31-2022	8-30-2022	0.2532	0.2532
6	8-31-2022	11-29-2022	0.2242	0.2242
7	11-30-2022	2-27-2023	0.1457	0.1457
		Highest	0.3828	0.3828

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

2.2 Overall Operational

Unmitigated Operational

[illegible]

Mitigated Operational

[illegible][illegible]

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.0 Construction Detail**Construction Phase**

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Demolition	Demolition	6/1/2021	9/30/2021	5	88	
2	Architectural Coating	Architectural Coating	5/31/2021	5/30/2021	5	0	
3	Site Preparation	Site Preparation	10/1/2021	1/31/2022	5	87	
4	Grading	Grading	2/1/2022	5/31/2022	5	86	
5	Building Construction	Building Construction	6/1/2022	9/30/2022	5	88	
6	Paving	Paving	10/3/2022	1/31/2023	5	87	

Acres of Grading (Site Preparation Phase): 50.6**Acres of Grading (Grading Phase): 0****Acres of Paving: 0****Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 0 (Architectural Coating – sqft)****OffRoad Equipment**

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Architectural Coating	Air Compressors	0	6.00	78	0.48
Paving	Cement and Mortar Mixers	4	6.00	9	0.56
Demolition	Concrete/Industrial Saws	1	8.00	81	0.73
Grading	Concrete/Industrial Saws	1	8.00	81	0.73
Building Construction	Cranes	1	4.00	231	0.29
Building Construction	Forklifts	2	6.00	89	0.20
Site Preparation	Graders	1	8.00	187	0.41
Paving	Pavers	1	7.00	130	0.42
Paving	Rollers	1	7.00	80	0.38
Demolition	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Grading	Rubber Tired Dozers	1	1.00	247	0.40
Building Construction	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Demolition	Tractors/Loaders/Backhoes	2	6.00	158	0.38
Grading	Tractors/Loaders/Backhoes	2	6.00	97	0.37
Paving	Tractors/Loaders/Backhoes	1	7.00	97	0.37
Site Preparation	Tractors/Loaders/Backhoes	1	8.00	97	0.37
Demolition				203	0.36
Demolition				8	0.43
Demolition				16	0.38
Demolition				402	0.38
Demolition				80	0.38
Demolition				132	0.36
Demolition				172	0.42
Demolition	Rubber Tired Dozers	1	1.00	247	0.40

Trips and VMT

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

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	13.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	2	5.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Grading	4	10.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	5	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Paving	7	18.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	0	0.00	0.00	0.00	10.80	7.30	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Demolition - 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					
Fugitive Dust					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0505	0.4635	0.5495	8.7000e-004		0.0252	0.0252		0.0238	0.0238	0.0000	75.5186	75.5186	0.0182	0.0000	75.9723
Total	0.0505	0.4635	0.5495	8.7000e-004	4.0000e-005	0.0252	0.0252	1.0000e-005	0.0238	0.0238	0.0000	75.5186	75.5186	0.0182	0.0000	75.9723

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.2 Demolition - 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	2.6800e-003	1.5800e-003	0.0172	4.0000e-005	4.5000e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.8951	3.8951	1.2000e-004	0.0000	3.8980
Total	2.6800e-003	1.5800e-003	0.0172	4.0000e-005	4.5000e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.8951	3.8951	1.2000e-004	0.0000	3.8980

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					4.0000e-005	0.0000	4.0000e-005	1.0000e-005	0.0000	1.0000e-005	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0505	0.4635	0.5495	8.7000e-004		0.0252	0.0252		0.0238	0.0238	0.0000	75.5186	75.5186	0.0182	0.0000	75.9722
Total	0.0505	0.4635	0.5495	8.7000e-004	4.0000e-005	0.0252	0.0252	1.0000e-005	0.0238	0.0238	0.0000	75.5186	75.5186	0.0182	0.0000	75.9722

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.2 Demolition - 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	2.6800e-003	1.5800e-003	0.0172	4.0000e-005	4.5000e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.8951	3.8951	1.2000e-004	0.0000	3.8980
Total	2.6800e-003	1.5800e-003	0.0172	4.0000e-005	4.5000e-003	3.0000e-005	4.5400e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	3.8951	3.8951	1.2000e-004	0.0000	3.8980

3.3 Architectural Coating - 2021

Unmitigated Construction On-Site

[illegible]

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.3 Architectural Coating - 2021

Unmitigated Construction Off-Site

[illegible]

Mitigated Construction On-Site

[illegible]

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.3 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	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
Total	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

3.4 Site Preparation - 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					
Fugitive Dust					0.0268	0.0000	0.0268	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2581	0.1329	3.2000e-004		9.8800e-003	9.8800e-003		9.0900e-003	9.0900e-003	0.0000	28.2182	28.2182	9.1300e-003	0.0000	28.4464
Total	0.0211	0.2581	0.1329	3.2000e-004	0.0268	9.8800e-003	0.0367	2.9000e-003	9.0900e-003	0.0120	0.0000	28.2182	28.2182	9.1300e-003	0.0000	28.4464

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.4 Site Preparation - 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	7.7000e-004	4.6000e-004	4.9600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.1236	1.1236	3.0000e-005	0.0000	1.1244
Total	7.7000e-004	4.6000e-004	4.9600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.1236	1.1236	3.0000e-005	0.0000	1.1244

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					0.0268	0.0000	0.0268	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0211	0.2581	0.1329	3.2000e-004		9.8800e-003	9.8800e-003		9.0900e-003	9.0900e-003	0.0000	28.2182	28.2182	9.1300e-003	0.0000	28.4464
Total	0.0211	0.2581	0.1329	3.2000e-004	0.0268	9.8800e-003	0.0367	2.9000e-003	9.0900e-003	0.0120	0.0000	28.2182	28.2182	9.1300e-003	0.0000	28.4464

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.4 Site Preparation - 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	7.7000e-004	4.6000e-004	4.9600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.1236	1.1236	3.0000e-005	0.0000	1.1244
Total	7.7000e-004	4.6000e-004	4.9600e-003	1.0000e-005	1.3000e-003	1.0000e-005	1.3100e-003	3.5000e-004	1.0000e-005	3.5000e-004	0.0000	1.1236	1.1236	3.0000e-005	0.0000	1.1244

3.4 Site Preparation - 2022**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					0.0268	0.0000	0.0268	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0900e-003	0.0728	0.0416	1.0000e-004		2.7000e-003	2.7000e-003		2.4900e-003	2.4900e-003	0.0000	8.9779	8.9779	2.9000e-003	0.0000	9.0505
Total	6.0900e-003	0.0728	0.0416	1.0000e-004	0.0268	2.7000e-003	0.0295	2.9000e-003	2.4900e-003	5.3900e-003	0.0000	8.9779	8.9779	2.9000e-003	0.0000	9.0505

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.4 Site Preparation - 2022**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	2.3000e-004	1.3000e-004	1.4400e-003	0.0000	4.1000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3448	0.3448	1.0000e-005	0.0000	0.3451
Total	2.3000e-004	1.3000e-004	1.4400e-003	0.0000	4.1000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3448	0.3448	1.0000e-005	0.0000	0.3451

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					0.0268	0.0000	0.0268	2.9000e-003	0.0000	2.9000e-003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	6.0900e-003	0.0728	0.0416	1.0000e-004		2.7000e-003	2.7000e-003		2.4900e-003	2.4900e-003	0.0000	8.9779	8.9779	2.9000e-003	0.0000	9.0505
Total	6.0900e-003	0.0728	0.0416	1.0000e-004	0.0268	2.7000e-003	0.0295	2.9000e-003	2.4900e-003	5.3900e-003	0.0000	8.9779	8.9779	2.9000e-003	0.0000	9.0505

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.4 Site Preparation - 2022**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	2.3000e-004	1.3000e-004	1.4400e-003	0.0000	4.1000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3448	0.3448	1.0000e-005	0.0000	0.3451
Total	2.3000e-004	1.3000e-004	1.4400e-003	0.0000	4.1000e-004	0.0000	4.2000e-004	1.1000e-004	0.0000	1.1000e-004	0.0000	0.3448	0.3448	1.0000e-005	0.0000	0.3451

3.5 Grading - 2022**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					0.0324	0.0000	0.0324	0.0178	0.0000	0.0178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.2758	0.3212	5.2000e-004		0.0145	0.0145		0.0139	0.0139	0.0000	44.7785	44.7785	8.2700e-003	0.0000	44.9851
Total	0.0305	0.2758	0.3212	5.2000e-004	0.0324	0.0145	0.0469	0.0178	0.0139	0.0317	0.0000	44.7785	44.7785	8.2700e-003	0.0000	44.9851

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.5 Grading - 2022**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	1.9000e-003	1.0700e-003	0.0118	3.0000e-005	3.3900e-003	2.0000e-005	3.4100e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.8242	2.8242	8.0000e-005	0.0000	2.8262
Total	1.9000e-003	1.0700e-003	0.0118	3.0000e-005	3.3900e-003	2.0000e-005	3.4100e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.8242	2.8242	8.0000e-005	0.0000	2.8262

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					0.0324	0.0000	0.0324	0.0178	0.0000	0.0178	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0305	0.2758	0.3212	5.2000e-004		0.0145	0.0145		0.0139	0.0139	0.0000	44.7784	44.7784	8.2700e-003	0.0000	44.9851
Total	0.0305	0.2758	0.3212	5.2000e-004	0.0324	0.0145	0.0469	0.0178	0.0139	0.0317	0.0000	44.7784	44.7784	8.2700e-003	0.0000	44.9851

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.5 Grading - 2022**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	1.9000e-003	1.0700e-003	0.0118	3.0000e-005	3.3900e-003	2.0000e-005	3.4100e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.8242	2.8242	8.0000e-005	0.0000	2.8262
Total	1.9000e-003	1.0700e-003	0.0118	3.0000e-005	3.3900e-003	2.0000e-005	3.4100e-003	9.0000e-004	2.0000e-005	9.2000e-004	0.0000	2.8242	2.8242	8.0000e-005	0.0000	2.8262

3.6 Building Construction - 2022**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	0.0302	0.3091	0.3147	5.0000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	44.0650	44.0650	0.0143	0.0000	44.4213
Total	0.0302	0.3091	0.3147	5.0000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	44.0650	44.0650	0.0143	0.0000	44.4213

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.6 Building Construction - 2022**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	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
Total	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

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	0.0302	0.3091	0.3147	5.0000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	44.0649	44.0649	0.0143	0.0000	44.4212
Total	0.0302	0.3091	0.3147	5.0000e-004		0.0164	0.0164		0.0151	0.0151	0.0000	44.0649	44.0649	0.0143	0.0000	44.4212

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.6 Building Construction - 2022**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	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
Total	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

3.7 Paving - 2022**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	0.0210	0.1923	0.2286	3.7000e-004		9.6200e-003	9.6200e-003		8.9600e-003	8.9600e-003	0.0000	30.5397	30.5397	8.9000e-003	0.0000	30.7621
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0210	0.1923	0.2286	3.7000e-004		9.6200e-003	9.6200e-003		8.9600e-003	8.9600e-003	0.0000	30.5397	30.5397	8.9000e-003	0.0000	30.7621

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.7 Paving - 2022**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	2.5900e-003	1.4600e-003	0.0161	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.8423	3.8423	1.1000e-004	0.0000	3.8449
Total	2.5900e-003	1.4600e-003	0.0161	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.8423	3.8423	1.1000e-004	0.0000	3.8449

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	0.0210	0.1923	0.2286	3.7000e-004		9.6200e-003	9.6200e-003		8.9600e-003	8.9600e-003	0.0000	30.5397	30.5397	8.9000e-003	0.0000	30.7621
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	0.0210	0.1923	0.2286	3.7000e-004		9.6200e-003	9.6200e-003		8.9600e-003	8.9600e-003	0.0000	30.5397	30.5397	8.9000e-003	0.0000	30.7621

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.7 Paving - 2022**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	2.5900e-003	1.4600e-003	0.0161	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.8423	3.8423	1.1000e-004	0.0000	3.8449
Total	2.5900e-003	1.4600e-003	0.0161	4.0000e-005	4.6100e-003	3.0000e-005	4.6400e-003	1.2300e-003	3.0000e-005	1.2600e-003	0.0000	3.8423	3.8423	1.1000e-004	0.0000	3.8449

3.7 Paving - 2023**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	6.7200e-003	0.0606	0.0772	1.2000e-004		2.9100e-003	2.9100e-003		2.7100e-003	2.7100e-003	0.0000	10.3392	10.3392	3.0100e-003	0.0000	10.4145
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7200e-003	0.0606	0.0772	1.2000e-004		2.9100e-003	2.9100e-003		2.7100e-003	2.7100e-003	0.0000	10.3392	10.3392	3.0100e-003	0.0000	10.4145

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.7 Paving - 2023**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	8.3000e-004	4.5000e-004	4.9700e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.2523	1.2523	3.0000e-005	0.0000	1.2531
Total	8.3000e-004	4.5000e-004	4.9700e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.2523	1.2523	3.0000e-005	0.0000	1.2531

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	6.7200e-003	0.0606	0.0772	1.2000e-004		2.9100e-003	2.9100e-003		2.7100e-003	2.7100e-003	0.0000	10.3391	10.3391	3.0100e-003	0.0000	10.4144
Paving	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total	6.7200e-003	0.0606	0.0772	1.2000e-004		2.9100e-003	2.9100e-003		2.7100e-003	2.7100e-003	0.0000	10.3391	10.3391	3.0100e-003	0.0000	10.4144

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

3.7 Paving - 2023**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	8.3000e-004	4.5000e-004	4.9700e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.2523	1.2523	3.0000e-005	0.0000	1.2531
Total	8.3000e-004	4.5000e-004	4.9700e-003	1.0000e-005	1.5600e-003	1.0000e-005	1.5700e-003	4.1000e-004	1.0000e-005	4.3000e-004	0.0000	1.2523	1.2523	3.0000e-005	0.0000	1.2531

4.0 Operational Detail - Mobile**4.1 Mitigation Measures Mobile****4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Total					

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

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
	0.529528	0.038650	0.225199	0.133619	0.030041	0.006237	0.016842	0.009530	0.001608	0.001127	0.005339	0.000802	0.001479

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

6.0 Area Detail

6.1 Mitigation Measures Area

[illegible]

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	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
Total	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

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	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.0000					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	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
Total	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

7.0 Water Detail

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

7.1 Mitigation Measures Water**8.0 Waste Detail**

8.1 Mitigation Measures Waste**Category/Year**

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	0.0000	0.0000	0.0000	0.0000
Unmitigated	0.0000	0.0000	0.0000	0.0000

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

8.2 Waste by Land Use**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
	0	0.0000	0.0000	0.0000	0.0000
Total		0.0000	0.0000	0.0000	0.0000

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

Bijou Park Creek IS - El Dorado-Lake Tahoe County, Annual

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

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

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

User Defined Equipment

Equipment Type	Number
----------------	--------

11.0 Vegetation

Appendix E: Special Status Species Table

Table E-1. CNDDDB Special Status Species Recorded within Five Miles of the Project Area

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
Plants and Fungi								
Blandow's bog moss	<i>Helodium blandowii</i>	2011	None	None	2B.3	FSS	Hydric soil in open or wooded fens, muskegs, wet habitats, along streams, edges of swamp forests, wet base of trees in hummocks in peat bogs and cedar bogs, tundra benches and gravel bars of creeks, calciphile; moderate to high elevations (eFlora 2020). Blooms in April.	Not Expected No suitable habitat is present in the Project Area.
Bolander's candle moss	<i>Bruchia bolanderi</i>	2009	None	None	4.2	FSS	Damp soil, lower montane coniferous forest, meadows and seeps, upper montane coniferous forest (CNPS 2019c). Blooms in June.	Moderate Potential to Occur Wet meadow habitat is present in the Project Area and could potentially support this species. The nearest recorded observation of the species is approximately 4 miles southeast of the Project along Cold Creek.
Branched collybia (fungi)	<i>Dendrocollybia racemosa</i>	NA	None	NA	NA	FSS	Deep coniferous duff, in groups or small clusters. Requires decaying host agaric. Widely distributed in temperate regions of the Northern Hemisphere. Fruit bodies are found in the late summer to autumn, often after a heavy fruiting period for other mushrooms is over (iNaturalist 2020).	Low Potential to Occur Species is quite rare and has not been recorded in the Project vicinity. The Project Area is mostly disturbed uplands and wetlands that are unsuitable.
Broad-nerved hump moss	<i>Meesia uliginosa</i>	2014	None	None	2B.2	FSS	Fens, peat bogs, boreal-low alpine areas (Dillingham 2005). Blooms July through October.	Not Expected No suitable low pH wetland habitat is present in the Project Area.
Common moonwort	<i>Botrychium lunaria</i>	No CNDDDB Record within 10 mile radius	None	None	2B.3	FSS	Wetland-riparian, meadows. Equally likely to occur in wetlands and non-wetlands. Blooms in August (CalFlora 2019).	Low Potential to Occur Species is rare and has never been recorded in the Project vicinity.
Cup Lake draba	<i>Draba asterophora</i> var. <i>macrocarpa</i>	2014	None	None	1B.1	FSS	Subalpine coniferous forest, rocky soils, shade tolerant and low water tolerant. Blooms July to August (CNPS 2019c).	Not Expected No suitable habitat is present in the Project Area.

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
Donner Pass buckwheat	<i>Eriogonum umbellatum</i> var. <i>torreyanum</i>	No CNDDDB Record within 10 mile radius	None	None	None	FSS	Meadows, sandy to gravelly granitic slopes, buckbrush and manzanita communities, montane conifer woodlands. Blooms July to September (eFlora 2020)	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Galena Creek rockcress	<i>Arabis rigidissima</i> var. <i>demota</i>	2015	None	None	1B.2	FSS	Sandy to rocky soils or outcrops derived from granitic or volcanic materials. Can occur in drainageways, near meadow edges, or in other moisture accumulating microsites, generally in dry openings in fir, pine, or aspen communities (NDCNR 2019). Blooms in April.	Low Potential to Occur Jeffrey Pine Forest and aspen groves in the Project Area may support this species; however, records of this species within 5 miles of the Project Area occur above 8,500 feet elevation.
Hutchison's lewisia	<i>Lewisia kelloggii</i> spp. <i>hutchisonii</i>	No CNDDDB Record within 10 mile radius	None	None	3.2	FSS	Openings, ridge tops, often slate, sometimes rhyolite tuff. Upper montane coniferous forest. Blooms May to August (CNPS 2019c).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Kellogg's lewisia	<i>Lewisia kelloggii</i> spp. <i>kelloggii</i>	No CNDDDB Record within 10 mile radius	None	None	3.2	FSS	Granitic gravel on ridge tops and flats between 5,100 and 7,000 feet elevation, sparsely vegetated by spindly Jeffrey pine and lodgepole pine woodlands, with patches of upland sedge and rock garden wildflowers. Blooms June to August (USFS 2020b).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Long-petaled lewisia	<i>Lewisia longipetala</i>	2013	None	None	1B.3	FSS	Subalpine and alpine climates in moist areas in rocky habitat, such as talus that retains patches of snow year-round. Most specimens grow on north-facing slopes with little surrounding vegetation. Thrives in snow, growing largest and most densely in areas of high snowpack and becoming easily water-stressed when far away from areas with snow (CNPS 2019b). Blooms July to August.	Not Expected No suitable habitat is present in the Project Area.
Long-stalked hump-moss	<i>Meesia longiseta</i>	No CNDDDB Record	None	None	2B.3	SOI	Calcareous soil banks, rich fens, boreal, alpine, and arctic habitats; low to high elevations (eFlora 2020).	Not Expected No suitable habitat is present in the Project

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
		within 10 mile radius						Area and species not recorded within 10 miles of Project.
Marsh skullcap	<i>Scutellaria galericulata</i>	2016	None	None	2B.2	None	Wetlands and meadows (CNPS 2019b). Blooms June to September.	Low Potential to Occur Portions of the Project Area consist of open wet meadows; however, all local observations of this species are associated with Tallac and Taylor creek marshes or Emerald Bay near Lake Tahoe.
Mingan moonwort	<i>Botrychium minganense</i>	2017	None	None	2B.2	FSS	Coniferous forests and marshy areas such as swamps (CalFlora 2019). Blooms July to September.	Low Potential to Occur Although suitable habitat may be present, this species is very uncommon throughout most of its range.
Myurella moss	<i>Myurella julacea</i>	No CNDDDB Record within 10 mile radius	None	None	2B.3	SOI	Calcareous habitats, seepages, rock crevices, fens, boreal and arctic areas, montane areas with calcareous rock; low to high elevations (eFlora 2020).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Orthotrichum moss	<i>Orthotrichum praemorsum</i>	No CNDDDB Record within 10 mile radius	None	None	None	SOI	Rock, lava, dry montane areas (eFlora 2020).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Scalloped moonwort	<i>Botrychium crenulatum</i>	2016	None	None	2B.2	FSS	Freshwater wetlands and meadows (CalFlora 2019). Blooms June to September.	Low Potential to Occur Species is very uncommon throughout most of its range.
Shevock's moss	<i>Orthotrichum shevockii</i>	No CNDDDB Record within 10 mile radius	None	None	None	SOI	Dry granitic rocks (eFlora 2020).	Low Potential to Occur Although suitable habitat may be present, this species is uncommon throughout most of its range and has not been recorded within 10 miles of the Project Area.
Short-leaved hulsea	<i>Hulsea brevifolia</i>	No CNDDDB Record within 10	None	None	1B.2	FSS	Common after fires, open sites in coniferous forests, mostly coarse-grained	Not Expected No suitable habitat is present in the Project Area.

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
		mile radius					volcanic or granitic soils. Blooms May to August (eFlora 2020)	
Slender moonwort	<i>Botrychium lineare</i>	No CNDDDB Record within 10 mile radius	None	None	1B.1	FSS	Meadows and seeps, subalpine coniferous forests, upper montane coniferous forest. Often disturbed areas (CNPS 2019c).	Not Expected Species is sensitive to habitat disturbance and fire suppression and has not been recorded within 10 miles of the Project Area.
Sphagnum moss	<i>Sphagnum</i> spp.	1985	None	None	None	SOI	Found in wet and boggy areas, prefers acidic (low pH) soil. (Brandeis University 2004).	Not Expected No suitable low pH wetland habitat is present in the Project Area.
Spjut's bristlemoss	<i>Orthotrichum spjutii</i>	No CNDDDB Record within 10 mile radius	None	None	1B.3	SOI	Shaded forests near stream beds, canyons, mountains, deciduous trees, shaded rock; high elevations (eFlora 2020).	Not Expected Species is very rare and has not been recorded within 10 miles of the Project Area.
Starved daisy	<i>Erigeron miser</i>	1913	None	None	1B.3	FSS	Taluses, rock crevices, montane coniferous forests. Blooms July to October (eFlora 2020).	Not Expected No suitable habitat is present in the Project Area and existing records within 10 miles are >100 years old.
Subalpine fireweed	<i>Epilobium howellii</i>	2007	None	None	4.3	FSS	Grows in wet mountain habitat such as meadows, often in the presence of mosses and willows, subalpine forests, wetland-riparian areas. Blooms July to August (CNPS 2019b).	Low Potential to Occur Habitat potentially adequate in the Project Area; however, the nearest observations are approximately 6 miles south along Trout Creek.
Tahoe draba	<i>Draba asterophora</i> var. <i>asterophora</i>	2015	None	None	1B.2	FSS	Rocky habitat in Lodgepole Forest and Subalpine Forest (CNPS 2019b). Blooms July to August.	Not Expected No suitable rocky, alpine habitat is present in the Project Area.
Tahoe yellow cress	<i>Rorippa subumellata</i>	2016	None	Endangered	1B.1	FSS	Sandy beach shorelines of Lake Tahoe (CDFW 2013). Blooms May to September.	Not Expected No suitable beach habitat is present in the Project Area.
Three-ranked hump moss	<i>Meesia triquetra</i>	2004	None	None	4.2	FSS	Fens, peat bogs, boreal-low alpine areas (Dillingham 2005). Blooms in July.	Not Expected No suitable low pH wetland habitat is present in the Project Area.

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
Tiehm's rockcress	<i>Arabis tiehmii</i>	No CNDDDB Record within 10 mile radius	None	None	None	FSS	Alpine boulder and rock field (granitic). Blooms July to August (CNPS 2019c).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Tundra pholia moss	<i>Pohlia tundrae</i>	No CNDDDB Record within 10 mile radius	None	None	None	SOI	Alpine boulder and rock field (gravelly, damp soil), stream banks. Blooms June to August (eFlora 2020).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Upswept moonwort	<i>Botrychium ascendens</i>	2010	None	None	2B.3	FSS	Yellow pine forests, seeps, roadsides, disturbed sites (CalFlora 2019). Blooms July to August.	Moderate Potential to Occur Jeffrey Pine Forest adjacent to the Upper Bijou Park Creek improvement Project area may provide suitable habitat. Species has been mapped within 0.5 miles of the Project Area.
Veined water lichen	<i>Peltigera hydrothyria</i>	No CNDDDB Record within 10 mile radius	None	None	None	FSS	Slow moving, relatively small, cold mountain streams with high water quality and low turbidity (GFRLI 2020).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Washoe tall rockcress	<i>Arabis rectissima</i> var. <i>simulans</i>	No CNDDDB Record within 10 mile radius	None	None	None	SOI	Dry, sandy, granitic or andesitic soil on mostly gentle slopes of all aspects, in full or filtered sunlight of thinly littered openings in mature, open Jeffrey pine/white fir forests. Densities highest on very light and recovered disturbances, excluded from areas of bare ground, deep litter, dense tree or shrub cover, or intense disturbance. Blooms June to July (NRPA 2001)	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Watershield	<i>Brasenia schreberi</i>	2017	None	None	2B.3	None	Wetlands, ponds, lakes, slow-moving streams (CalFlora 2019). Blooms June to September.	Moderate Potential to Occur Some permanent or semi-permanent ponding water is present in the Project Area within the Bijou Park Creek SEZ near

Common Name	Scientific name	Most Recent CNDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
								Blackwood Road where water backs up behind a berm.
Western goblin	<i>Botrychium montanum</i>	No CNDDB Record within 10 mile radius	None	None	2B.1	FSS	Grows in the dark understory of coniferous forests and other moist wooded areas, usually near swamps, streams, meadows, and seeps. Blooms July to September (CNPS 2019b, eFlora 2020).	Not Expected No suitable habitat is present in the Project Area and species not recorded within 10 miles of Project.
Invertebrates								
Great Basin rams-horn (snail)	<i>Helisoma newberryi newberryi</i>	NA	None	None	NA	FSS	Larger lakes and slow rivers, including larger spring sources and spring-fed creeks burrowing in soft mud just beneath the surface. Shallow, freshwater (NatureServe 2020)	Not Expected No suitable dense forest habitat is present in the Project Area.
Western bumblebee	<i>Bombus occidentalis</i>	1975	None	Candidate Endangered	NA	FSS	Meadows with flowering plants present in spring, summer, and fall. Overwinter in underground burrows.	Moderate Potential to Occur Wet meadow and upland habitat is present in the Project Area and likely provides the necessary floral abundance for this species.
Fish								
Lahontan cutthroat trout	<i>Oncorhynchus clarkii henshawi</i>	1939	Threatened	None	NA	None	Wide range of habitats, including lakes and streams (UC Davis 2019).	Not Expected Permanent, flowing streams are not present in the Project Area. Bijou Park Creek was dry throughout much of the Project Area and undersized culverts create fish passage barriers upstream and downstream (CalFish 2019).
Lahontan Lake tui chub	<i>Gila bicolor pectinifer</i>	2007	None	None	NA	FSS, SOC	Springs, ponds, lakes, large sluggish streams, and in the shelter of small swiftwater streams. Habitat is characterized by slow water and abundant aquatic vegetation. Can survive in highly alkaline waters. Spawns in shallow water areas with adequate gravel substrate and aquatic vegetation (UC Davis 2019).	Not Expected Permanent, flowing streams are not present in the Project Area. Bijou Park Creek was dry throughout much of the Project Area and undersized culverts create fish passage barriers upstream and downstream (CalFish 2019).

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
Lahontan mountain sucker	<i>Catostomus platyrhynchus</i>	2014	None	None	NA	SOC	Clear mountain streams with a moderate gradient and a stream substrate composed of boulders, sand, or rubble. May also live in large rivers, turbid streams, and lakes (UC Davis 2019).	Not Expected Permanent, clear, flowing streams are not present in the Project Area. Bijou Park Creek was dry throughout much of the Project Area and undersized culverts create fish passage barriers upstream and downstream (CalFish 2019).
Amphibians								
Northern leopard frog	<i>Lithobates pipiens</i>	1970	None	None	NA	SOC	Grasslands, wet meadows, potholes, forests, woodland, brushlands, springs, canals, bogs, marshes, reservoirs. Generally prefers permanent water with abundant aquatic vegetation (Nafis 2016).	Low Potential to Occur Wet meadows and flowing water associated with Bijou Park Creek may provide suitable habitat; however, CNDDDB records are >40 years old and associated with Fallen Leaf Lake approximately 4 miles west of the Project Area.
Sierra Nevada yellow-legged frog	<i>Rana sierrae</i>	2011	Endangered	Threatened	NA	WL FSS	Montane riparian habitats in pine forests and wet meadows above 6,000 feet elevation (Nafis 2016).	Moderate Potential to Occur No CNDDDB records of the species within 5 miles of the Project Area since 1913 when the species was identified at Fallen Leaf Lake and 1935 when it was identified at Cold Creek/Star Lake area. Several research-grade iNaturalist observations of the species have been made within 5 miles of the Project Area (iNaturalist 2020).
Southern long-toed salamander	<i>Ambystoma macrodactylum sigillatum</i>	2014	None	None	NA	SOC	Alpine meadows, high mountain ponds and lakes (Nafis 2016).	Low Potential to Occur Large bodies of standing water that would support breeding and foraging for this species are not present in the Project Area. Last recorded observation of the species within 5 miles of the Project Area was at Fallen Leaf Lake.
Birds								
Bald Eagle	<i>Haliaeetus leucocephalus</i>	2005	None	Endangered	NA	FP FSS	Breeding habitat includes mountain and foothill forests and woodlands near reservoirs, lakes, rivers, and some rangelands (CDFW 2020).	Moderate Potential to Occur Bald eagles in the Lake Tahoe area are monitored annually by the Tahoe Institute for Natural Science (TINS) (2020). They are unlikely to roost or hunt in the Project Area

Common Name	Scientific name	Most Recent CNDDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
								because more suitable habitat is abundant along the shoreline.
Bank Swallow	<i>Riparia riparia</i>	1976	None	Threatened	NA	None	Nests in colonies in vertical banks of dirt or sand, usually along rivers or ponds (Audubon 2019).	Not Expected No suitable nesting habitat is present for this species in the Project Area.
California Spotted Owl	<i>Strix occidentalis occidentalis</i>	2016	Candidate	None	NA	SOC FSS	Breeds and roosts in old-growth forests with large old trees and snags, high basal areas of trees, dense canopies (>70% canopy closure), multiple canopy layers, and downed, woody debris (Shuford and Gardali 2008).	Low Potential to Occur The Project Area lacks old-growth forest and forest of appropriate density and complexity. Nests, breeding pairs, and individual observations have been frequently recorded in the vicinity, but at higher elevations (e.g., Tahoe Mountain and north of Trimmer Peak) and outside of the urban area.
Great Gray Owl	<i>Strix nebulosi</i>	No CNDDDB Record within 10 mile radius	None	Endangered	NA	FSS	Forages in wet meadows and nests and roosts in nearby dense coniferous forest. Both old-growth and second-growth forest used if suitable nest-sites are available. Uses trees in dense forest stands for roosting cover. Small trees and snags in, or on edge of, meadows used for hunting perches (Gaines 1990)	Not Expected Very rare in the Sierra Nevada. Occasionally reported in northwestern California in winter, and in Warner Mountains in summer. Studies suggest a population decline (Gaines 1990).
Long-eared Owl	<i>Asio otus</i>	2015	None	None	NA	SOC	Nests in conifer, oak, riparian, pinyon-juniper, and desert woodlands that are either open or are adjacent to grasslands, meadows, or shrublands (Shuford and Gardali 2008).	Moderate Potential to Occur Suitable nesting and foraging habitat is present in the vicinity of the Project. Species is considered uncommon during spring, summer, and winter but common in fall (TINS 2016).
Northern Goshawk	<i>Accipiter gentilis</i>	1981	None	None	NA	SOC FSS	Old-growth forests consisting of ponderosa pine, Jeffrey pine, white fir, and lodgepole. Large snags and downed	Low Potential to Occur The Project Area lies within a mixed residential and commercial area that likely

Common Name	Scientific name	Most Recent CNDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
							logs that provide habitat for prey. Sensitive to urbanization (Shuford and Gardali 2008).	deters this species. The Project Area also lacks extensive old-growth forest.
Osprey	<i>Pandion haliaetus</i>	1993	None	None	NA	WL	Nests near clear, open water. Preys mostly on fish (Audubon 2019).	Moderate Potential to Occur No suitable nesting or foraging habitat is present for this species in the Project Area. Large trees in the Project Area may provide perching and resting areas.
Sharp-shinned Hawk	<i>Accipiter striatus</i>	2004	None	None	NA	WL	Mixed or coniferous forests, open deciduous woodlands, thickets, edges. Feeds mostly on small birds in dense cover (Audubon 2019).	Moderate Potential to Occur Suitable nesting and foraging habitat is present. Species is considered uncommon during spring, summer, and winter but common in fall (TINS 2016).
Willow Flycatcher	<i>Empidonax trailii</i>	2004	None	Endangered	NA	FSS	Shrubby vegetation in meadow and riparian communities with high water tables, standing water, and willow trees between 6.5 and 13 feet in height. Prefer stands greater than 1 acre in size (USDA 2019).	Moderate Potential to Occur Willow thickets of adequate size and density to support breeding pairs are present in some portions of the Project Area. Species is considered rare (TINS 2016); however, has historically occurred approximately 0.5 miles west in the riparian zone of Trout Creek. Although that record is old (1935), more recent records (2004) of the species are available for Tallac and Taylor Creek, approximately 5 miles west of the Project Area.
Yellow-headed Blackbird	<i>Xanthocephalus xanthocephalus</i>	1935	None	None	NA	SOC	Cattail and tule marshes near relatively deep water (Shuford and Gardali 2008).	Not Expected No cattail or tule marshes are present in the Project Area to support breeding or foraging.
Mammals								
American marten	<i>Martes caurina</i>	2013	None	None	NA	FSS	Various mixed evergreen forests with more than 40% crown closure, with large trees and snags. Important habitats include red fir, lodgepole pine, subalpine conifer, mixed conifer, Jeffrey pine, and eastside pine. Small clearings, meadows, and riparian areas provide foraging habitats, particularly during snow-free periods (Ahlborn 1990)	Not Expected Inadequate forested habitat and significant human disturbance in the Project Area.

Common Name	Scientific name	Most Recent CNDDB Record	Federal Status	State Status	Rare Plant Rank ^A	Other Status ^{B,C}	Habitat Requirements	Likelihood of occurrence in the Project Area
California wolverine	<i>Gulo gulo luteus</i>	1941	Proposed Threatened	Threatened	NA	FSS FP	Uses mixed conifer, red fir, lodgepole, wet meadow, and montane riparian habitats. Forage in open to sparse tree habitats on ground, in trees, burrows, among rocks, in or under snow, and sometimes in shallow water (Johnson 1990).	Not Expected Very rare. Inadequate forested habitat and significant human disturbance in the Project Area.
Fringed myotis	<i>Myotis thysanodes</i>	2001	None	None	NA	FSS	Optimal habitats are pinyon-juniper, valley foothill hardwood and hardwood-conifer. Uses open habitats, early successional stages, streams, lakes, and ponds as foraging areas (Harris 1990a)	High Potential to Occur Widespread occurrence in California. May feed in riparian habitat and roost in pine trees of Project Area.
Pallid bat	<i>Antrozous pallidus</i>	No CNDDB Record within 10 mile radius	None	None	NA	FSS	Locally common species of low elevations in California. A wide variety of habitats is occupied, including grasslands, shrublands, woodlands, and forests from sea level up through mixed conifer forests. The species is most common in open, dry habitats with rocky areas for roosting. A yearlong resident in most of the range. (Harris 1990b)	High Potential to Occur Widespread occurrence in California. May feed in riparian habitat and roost in pine trees of Project Area.
Townsend's big-eared bat	<i>Corynorhinus townsenii</i>	No CNDDB Record within 10 mile radius	None	None	NA	FSS	This species is found in all but subalpine and alpine habitats and may be found at any season throughout its range. It is most abundant in mesic habitats (Harris 1990c).	Moderate Potential to Occur Increasingly rare in California, but if present may forage in riparian and forested habitats of the Project Area.

Footnotes

NA: Not Applicable

^A California Rare Plant Rank (CNPS 2019)

1A and 2A – presumed extirpated in California

1B – rare, threatened, or endangered in California or elsewhere

2B – rare, threatened, or endangered in California but more common elsewhere

3 – Information lacking to assign threat rank accurately

4 – Watch List Plants of limited distribution

Threat Ranks

0.1 – Seriously threatened in California (over 80% of occurrences threatened/high degree and immediacy of threat)

0.2 – Moderately threatened in California (20-80% of occurrences threatened/moderate degree and immediacy of threat)

0.3 – Not very threatened in California (less than 20% of occurrences threatened/low degree and immediacy of threat or no current threats known)

^B CDFW

FP: Fully Protected – This classification is for species that were rare or faced possible extinction.

WL: Watch List – This classification is for taxa that were previously SSCs but no longer merit SSC status or which do not meet SSC criteria but for which there is concern and a need for additional information to clarify status.

SOC: Species of Special Concern – This classification is for a species, subspecies, or distinct population of an animal native to California that is extirpated from the State, or is listed as Federally-, but not State-, threatened or endangered, or meets the State definition of threatened or endangered but has not formally been listed, or is experiencing serious (noncyclical) population declines or range retractions, or has naturally small populations exhibiting high susceptibility to risk from any factor(s) that could lead to declines that would qualify it for State threatened or endangered status.

^C U.S. Forest Service Lake Tahoe Basin Management Unit

FSS: Forest Service Sensitive Species

SOI: Species of Interest

