

# Devil's Gate Biological Monitoring Log

Submitted By: SoCal\_Bio

Submitted Time: 03/02/2020 3:54 PM

## Date

Mar 2, 2020

## Monitor Name

Max Murray

## Are Additional Monitors Present?

No

## List Additional Monitors Present

N/A

## Start Time

06:45

## Start Temperature

54

## Start Cloud Cover

90

## Start Wind Speed

10-20

## End Time

14:49

## End Temperature

70

## End Cloud Cover

15

## **End Wind Speed**

3-5

## **Construction Activity and Personnel**

Nature's Image crew used hand tools, line trimmers and a steamer to remove weeds in the Devil's Gate Project restoration areas. Crew consisted of one foreman (Marvin) and 12 laborers.

## **What type of monitoring is being conducted?**

Restoration Monitoring

## **Covered Species Observed?**

No

## **Which species were observed?**

N/A

## **Were any least Bell's Vireo detected?**

No

## **Include details of any least Bell's Vireo detected?**

N/A

## **Other Wildlife Species Observed**

NUWP, ACWP, AMCR, RSHA, RTHA, CORA, ANHU, HOFI, LEGO, CALT, CATH, SPTO, CAQU, CASJ, MODO, WEBL, MODO, BEWR, OATI, YRWA, WCSP,

## **Were Any Non-compliance Issues Observed?**

No

## **Please State What Non-compliance Issues Occurred:**

N/A

## **Did work activities occur outside predesignated work areas?**

No

## **Include details of the work activities that occurred outside of the predesignated work areas.**

N/A

## Log Entry

0645 - arrive on site and conduct pre-construction survey 0700 - coordinate with Marvin 0715 - begin monitoring 0900 - observed HOWR building nest in a willow tree cavity (HOWR-2020-1) 1445 - end restoration monitoring

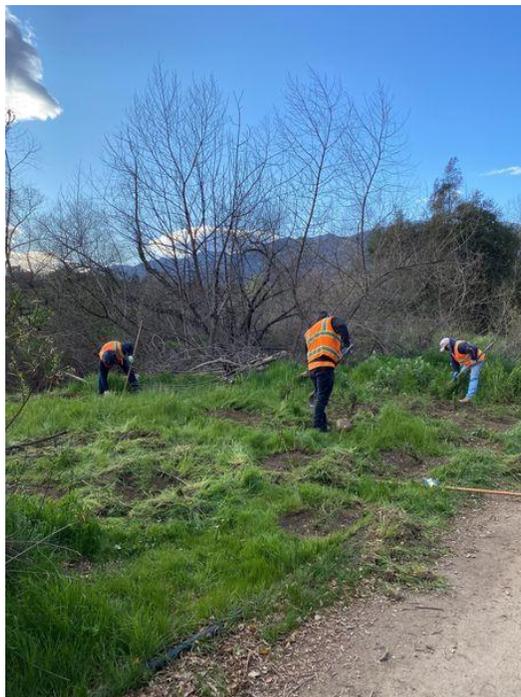
## Log Entry - Photos taken?

Yes

## Log Entry Photo A



## Log Entry Photo B



**Log Entry Photo C**



**Log Entry Photo D**



**Were ESA (Endangered Species Act) permits adhered to during the monitoring activities?**

Yes

**Log Completed?**

Yes

**Signature**

A handwritten signature in black ink, consisting of several stylized, overlapping loops and lines, positioned below the 'Signature' label.

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 3, 2020**

	<b>Time</b>	<b>Temperature (°F)</b>	<b>Wind Range (MPH)</b>	<b>Cloud Cover (%)</b>
<b>Start of Day</b>	07:00	43 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	82 °F	0-3 MPH	6 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

9 persons clearing non-native species (weeds) from planted areas; 2 Persians eradicating weeds With steam.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow,

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

**Signature**





**photo\_1- Weeds eradicated by steam..jpg**  
-118.1724 34.19368



**photo\_2- Crew weeding..jpg**  
-118.17621 34.19179

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 4, 2020**

	<b>Time</b>	<b>Temperature (°F)</b>	<b>Wind Range (MPH)</b>	<b>Cloud Cover (%)</b>
<b>Start of Day</b>	07:00	38 °F	0-3 MPH	8 %
<b>End of Day</b>	15:30	82 °F	0-3 MPH	6 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons eradicating weeds with steam.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, spotted towhee

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

N/A

**Signature**





**photo\_1. Before.jpg**  
-118.17444 34.19146



**photo\_2- After..jpg**  
-118.17444 34.19147

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 5, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	39 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	78 °F	0-3 MPH	21 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons eradicating weeds with steam;  
Foreman: Marvin Sanchez

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, common yellowthroat, Anna's hummingbird

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

No photos.

Signature





**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 6, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	39 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	78 °F	0-3 MPH	21 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons eradicating weeds with steam;  
Foreman: Marvin Sanchez

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, common yellowthroat, Anna's hummingbird

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

N/A

**Additional Comments**

N/A

Signature





**photo\_1-20200306-162144.jpg**  
-118.17739 34.18872



**photo\_2-20200306-171315.jpg**  
-118.17724 34.18773

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 11, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
Start of Day	09:00	55 °F	0-3 MPH	100 %
End of Day	15:30	67 °F	0-3 MPH	5 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; Foreman: Ron Crawford

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, California thrasher, white-crowned sparrow, common yellowthroat.

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Monitored vegetation clearing; 0900 - observed a pair of scrub jays collecting nesting material and carrying it to a mulefat/cottonwood thicket. They continued this activity throughout the day.

**Additional Comments**

N/A

Signature





**photo\_1 Crew clearing weeds..jpg**  
-118.17428 34.19387



**photo\_2-Crew clearing weeds again..jpg**  
-118.17405 34.19408

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 12, 2020**

	<b>Time</b>	<b>Temperature (°F)</b>	<b>Wind Range (MPH)</b>	<b>Cloud Cover (%)</b>
<b>Start of Day</b>	07:00	55 °F	0-3 MPH	33 %
<b>End of Day</b>	03:30	67 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons streaming weeds. Foreman: Ron Crawford

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, white crowned sparrow, California thrasher.

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored vegetation clearing; 0900 - observed a pair of scrub jays collecting nesting material and carrying it to a mulefat/cottonwood thicket. They continued this activity throughout the day.

**Additional Comments**

N/A

**Signature**





**photo\_ Weeding..jpg**  
-118.17416 34.19399



**photo\_2 More weeding.jpg**  
-118.17214 34.19369



photo\_3- Contrast between area "steamed" (left) and area left untouched by any weeding method (right).jpg  
-118.17223 34.19358

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 17, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	47 °F	0-3 MPH	50 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	40 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, common yellowthroat, Say's phoebe, red-tailed hawk

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





Photo crew weeding.JPG  
-118.17323 34.19346

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 18, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	41 °F	0-3 MPH	0 %
<b>End of Day</b>	03:30	67 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

8 persons clearing non-native species (weeds) from planted areas; 2 persons steaming weeds. Foreman: Ron Crawford

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, California ground squirrel, California thrasher.

**Did You Observe any Non-Compliance Issues?**  Yes  No

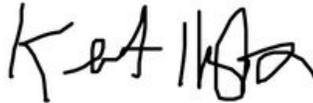
**Log Entry**

Monitored vegetation clearing, weed steaming.

**Additional Comments**

N/A

**Signature**





**Photo 1: Crew Removing Weeds**  
-118.17318 34.19393



**Photo 2: Weed Steaming Equipment**  
-118.17294 34.19395

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 19, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	39 °F	0-3 MPH	17%
<b>End of Day</b>	15:30	78 °F	0-3 MPH	100%

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

19 persons clearing non-native species (weeds) from planted areas (7 forepersons); 2 persons eradicating weeds with steam

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, white-crowned sparrow, common yellowthroat, Anna's hummingbird, Say's phoebe, red-tailed hawk

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**





photo\_1-crew at work.jpg  
-118.17331 34.1935



photo\_2-weed steamers at work.jpg  
-118.17227 34.19384

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Max Murray**  
**Date of Log: March 24, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	06:30	48 °F	0-1 MPH	80%
<b>End of Day</b>	12:51	63 °F	1-3 MPH	90%

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Natures Image crew using hand tools to remove pepper weed in DG-4. Crew consisted of 9 laborers and one foreman (Ron).

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

SPTO, CATH, desert cottontail, CASJ, ACWO, ANHU, red-crowned parrot, CALT, coyote, HOFI, CANG, BEWR, SOSPO, COYE, WCSP, YRWA, LEGO, NUWO, RCKI, OATI, BUSH, WEBL, MODO, AMCR, CORA, EUST, Dryobates sp., AMCO, HOWR, RTHA, RSHA

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

0630 - arrive on site, coordinate with Alexandra Dorough (shadow)  
0645 - coordinate with Ron (Natures Image) about planned work for the day. Begin pre-construction clearance  
0700 - begin restoration monitoring  
0830 - Recorded CALT-1 nest  
1000 - update BUSH-2 and BUSH-1  
1250 - end monitoring

**Additional Comments**

**Signature**





**Photo\_1- Pepper weed clearance**  
34.1904095, -118.1750121



**Photo\_2- Pepper weed haul out**  
34.1903047, -118.1747788

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 25, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	47 °F	0-3 MPH	50 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, white-crowned sparrow, common yellowthroat, Say's phoebe, red-tailed hawk

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Crew weeding.jpg**  
-118.17506 34.19035



**photo\_2- Crew weeding again.jpg**  
-118.17502 34.19064

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 26, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	35 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	33 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, parrots, white-crowned sparrow, Say's phoebe, California thrasher,

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Weeding activities.jpg**  
-118.17527 34.19105



**photo\_2- Weeding activities.jpg**  
-118.1753 34.19095



**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 27, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	35 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	47 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

13 persons clearing non-native species (weeds) from planted areas

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, raven, yellow-rumped warbler, Say's phoebe, California thrasher, California scrub jay, turkey vulture

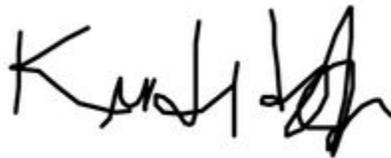
**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

**Signature**





**photo\_1- Current day's work site.jpg**  
-118.17332 34.19358



**photo\_2- Crew and equipment preparing to begin day's work.jpg**  
-118.17332 34.19358

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 30, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	37 °F	0-3 MPH	0 %
<b>End of Day</b>	15:30	64 °F	0-3 MPH	47 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

3 persons clearing non-native species (weeds) from Area DG-3; 2 persons steaming weeds.

**Did you observe any special-status species?**  Yes  No

**Were any least Bell's Vireo detected?**  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, red-tailed hawk, California scrub jay

**Did You Observe any Non-Compliance Issues?**  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Weeding crew at work.jpg**



**photo\_2- Steaming weeds.jpg**  
-118.17326 34.19334

**Devil's Gate Biological Monitoring Log**  
**Biologist/Monitor: Kent Hughes**  
**Date of Log: Mar 31, 2020**

	Time	Temperature (°F)	Wind Range (MPH)	Cloud Cover (%)
<b>Start of Day</b>	07:00	42 °F	0-3 MPH	15 %
<b>End of Day</b>	15:30	60 °F	0-3 MPH	100 %

**What Type of Monitoring is Being Conducted?**

Restoration Monitoring

**Construction Activity:**

Vegetation clearing

Did you observe any special-status species?  Yes  No

Were any least Bell's Vireo detected?  Yes  No

**List of species observed while monitoring:**

California towhee, common raven, Say's phoebe, California thrasher, California scrub jay, parrots, house finch, California quail, song sparrow

Did You Observe any Non-Compliance Issues?  Yes  No

**Log Entry**

Monitored weed clearance, no corrective actions needed

**Additional Comments**

Signature





**photo\_1- Weed clearance.jpg**  
-118.17261 34.1943



**photo\_2- More weed clearance.jpg**  
-118.17255 34.19429