



ENVIRONMENTAL CONSULTANTS

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TECHNICAL MEMORANDUM

To: Bronson Tatton
Flagship Development, Inc.
1250 East 200 South, Suite 1D
Lehi, Utah 84043

From: Chad Incorvia, Project Manager

Date: March 2, 2022

Re: **Tickville Wash Biological Monitoring / SWCA Project No. 72500**

BACKGROUND

SWCA Environmental Consultants (SWCA) was contacted by Flagship Development, Inc. (Flagship) to assist with construction planning and mitigation for the Tickville Wash Stream Alteration Project (project). Flagship requested that SWCA assist with a plan to minimize and avoid impacts to wildlife, primarily raptors, associated with the project. During a raptor nest survey of the project area in July of 2021, an active barn owl (*Tyto alba*) nest was observed. With construction activities set to commence, precautions were needed to assure the avoidance of potential nesting raptors within the project area.

Methods

An SWCA biologist conducted a site visit with Flagship staff, representatives from Eagle Mountain City, and concerned citizens on January 15, 2022. Concerns were brought up that the barn owls identified during the previous survey were continuing to use the project area for roosting activities. Based on project plans and resource concerns identified during the site visit, SWCA recommended that a preconstruction survey and construction monitoring take place to minimize the potential impacts to wildlife.

Preconstruction Clearance Survey

An SWCA biologist visited the project area on February 18, 2022, and was given a brief site orientation by the site manager. The biologist traversed the site and observed the nesting substrate within the Tickville Wash. The biologist searched for signs of actively nesting raptors using binoculars and a digital camera. The biologist also monitored for raptors exhibiting alarm behaviors such as distressed calling or flight patterns.

Construction Monitoring Survey

An SWCA biologist was on-site during all construction activities from February 22 through 25, 2022. The biologist actively surveyed the project area for raptors, specifically barn owls. The biologist also monitored for raptors exhibiting alarm behaviors such as distressed calling or flight patterns.

Results

During the preconstruction clearance survey, no raptors or evidence of actively nesting raptors were observed. Fresh whitewash and owl pellets were observed within Tickville Wash; however, no adult birds, eggs, or young were observed. The biologist was notified that two birds were observed leaving the project area prior to his arrival, but a positive species identification was not made. These birds were likely using Tickville Wash as a roost site as no evidence of active nests were observed. Additionally, there were no raptors exhibiting alarm behaviors while the biologist was present at the construction site.

No raptors were observed during the subsequent construction monitoring efforts. No evidence of nesting raptors including; adults, eggs, or young were observed. Additionally, there were no raptors exhibiting alarm behaviors while the biologist was present at the construction site.

APPENDIX A

Photographs



Figure A-1. Tickville Wash within the project area.



Figure A-2. Nesting substrate within Tickville Wash.



Figure A-3. Inactive nest.