



JACOBSZOOM & ASSOCIATES, INC.

natural resource planning & management

April 27, 2021

Department of Community Development
255 N. Forbes Street
Lakeport, CA 95453

Re: Nesting Bird and Roosting Bat Surveys for High Valley Ranch

To Whom it may concern,

Nesting bird and roosting bat surveys were conducted for High Valley Ranch on April 16, 23, and 27 within anticipated construction work areas including an additional 100 foot buffer. Below are the survey results:

16 April 2021

Survey Start: 0744; Survey End: 1145

Surveyors: Becca Cosmero & Lucas Lochner-Bravo

A nesting bird survey was conducted on six locations across High Valley Ranch within anticipated construction work areas. A total of eight (8) active nests were discovered. A wild turkey nest was found amongst the *Brassica spp.* in a shallow depression containing eight eggs within a section slated for construction work at the northern end of the property. A European starling cavity nest was observed along the access road approximately 400 feet southwest of the turkey nest. Six (6) red-winged blackbird nests were discovered adjacent to the access road leading north within the *Brassica spp.*. Red-wing blackbird nests were typically found under the drip line of oak trees. Several woodpecker granaries were observed among the oaks located along the margins of each anticipated construction area. No roosting bats were observed.

A total of nineteen (19) avian species were detected, via audible and visual encounter, during our survey. These comprise:

- American crow (*Corvus brachyrhynchos*)
- Acorn woodpecker (*Melanerpes formicivorus*)
- Barn Swallows (*Hirundo rustica*)
- Brewer's blackbird (*Euphagus cyanocephalus*)
- Bullock's oriole (*Icterus bullockii*)
- California scrub jay (*Aphelocoma californica*)
- Canada goose (*Branta canadensis*)
- European starling (*Sturnus vulgaris*)
- House finch (*Haemorhous mexicanus*)
- Mourning Dove (*Zenaida macroura*)

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- Northern Flicker (*Colaptes auratus*)
- Raven (*Corvus corax*)
- Red-tail hawk (*Buteo lineatus*)
- Red-winged blackbird (*Agelaius phoeniceus*)
- Turkey (*Meleagris gallopavo*)
- Western Kingbird (*Tyrannus verticalis*)
- Western Meadowlark (*Sturnella neglecta*)
- White-crowned sparrow (*Sitta carolinensis*)
- Yellow-rumped warbler (*Setophaga coronate*)

Other observation from the survey include:

- 2 partially built cup nests
- Woodpecker granary
- Roost trees

23 April 2021

Survey Start: 0919; Survey End: 1100

Surveyors: Becca Cosmero & Evan Carlson

A nesting bird survey was conducted on six locations across High Valley Ranch within anticipated construction work areas. Previously observed nests were revisited for signs of activity. All previously observed nests remained active, except for one red-winged blackbird nest located at (39.052644, -122.692043). There were no signs of predation on this nest. No roosting bats were observed. One new red-wing blackbird nest was observed at (39.053541, -122.692008).

A total of twelve (12) avian species were detected, via audible and visual encounter, during our survey. These comprise:

- Acorn woodpecker (*Hirundo rustica*)
- Barn Swallows (*Hirundo rustica*)
- Brewer's blackbird (*Euphagus cyanocephalus*)
- California scrub jay (*Aphelocoma californica*)
- Canada goose (*Branta canadensis*)
- European starling (*Sturnus vulgaris*)
- Mourning Dove (*Zenaida macroura*)
- Red-winged blackbird (*Agelaius phoeniceus*)
- Turkey (*Meleagris gallopavo*)
- Western Kingbird (*Tyrannus verticalis*)
- Western Meadowlark (*Sturnella neglecta*)
- White-crowned sparrow (*Sitta carolinensis*)



27 April 2021

Survey Start: 0820; Survey End: 1005

Surveyors: Becca Cosmero

A nesting bird survey was conducted on six locations across High Valley Ranch within anticipated construction work areas. Several previously noted active red-wing blackbird nests were found to be empty while two of the nests remain active with one containing nestlings. One new nest was observed at (39.055519, -122.691404). this nest contained one egg. A failed nesting attempt was observed at (39.053824, -122.692048) with signs of predation. The nest was observed to be hanging from the *Brassica spp.* at an angle with several cracked eggs surrounding the nest. The nest located on 23 April 2021 at (39.053541, -122.692008) was observed to be empty. There was no evidence of eggshells or signs of predation. The active nest located at (39.053281, -122.692143) was observed with nestlings. The active nest observed on 23 April 2021 at (39.051349, -122.692815) was observed to be empty. There were no signs of predation. Brewer's blackbirds were observed collecting nesting material and bringing this to a barn located at (39.055010, -122.692330) outside of construction work areas but within 150 feet. The wild turkey nest remains active. The European starling nest remains active with nestlings. No roosting bats were observed.

A total of thirteen (13) avian species were detected, via audible and visual encounter, during the survey. These comprise:

- Acorn woodpecker (*Hirundo rustica*)
- Barn Swallows (*Hirundo rustica*)
- Brewer's blackbird (*Euphagus cyanocephalus*)
- California scrub jay (*Aphelocoma californica*)
- Canada goose (*Branta canadensis*)
- European starling (*Sturnus vulgaris*)
- Mourning Dove (*Zenaida macroura*)
- Red-tail hawk (*Buteo lineatus*)
- Red-winged blackbird (*Agelaius phoeniceus*)
- Turkey (*Meleagris gallopavo*)
- Western Kingbird (*Tyrannus verticalis*)
- Western Meadowlark (*Sturnella neglecta*)
- White-crowned sparrow (*Sitta carolinensis*)

Other observation from the survey include:

- House cat hunting birds



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Monitoring surveys will continue until all nests have fledged.

Sincerely,

 Type text here

Becca Cosmero

Environmental Technician

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Photo 1:

Red-winged blackbird
nest among *Brassica*
spp.

April 27, 2021





Photo 2:

Turkey ground nest
containing eight eggs.

April 23, 2021





Photo 3:

Oak tree with various cavities suitable for roosting and an acorn granary.

April 23, 2021



High Valley Ranch: Nesting Birds

High Valley Ranch
 11650 High Valley Road
 Clearlake Oaks, CA 95423
 APN(s): 006-002-060, 006-004-250,
 006-004-240, 006-002-040,
 006-002-090, 006-009-360, 006-004-070
 1643.53 Acres



0 265 530 Feet
 1 inch equals 530 feet



Wild Turkey Nest
 (39.057701, -122.694719)

European Starling Nest
 (39.057393, -122.693292)

(39.055372, -122.691888)

(39.055637, -122.691224)

(39.053986, -122.691972)

(39.053541, -122.692008)

(39.052635, -122.692047)

(39.051349, -122.692815)

- Red-Wing Blackbird Nest
- European Starling Nest
- Wild Turkey Nest
- Watercourse
- Roads
- 50 foot Buffer
- 100 foot Buffer
- Proposed Buildings
- Proposed Nursery
- Proposed Cultivation Areas
- Parcel Boundaries

Updated as of 4/17/2021

High Valley Ranch: Nesting Birds

High Valley Ranch
 11650 High Valley Road
 Clearlake Oaks, CA 95423
 APN(s): 006-002-060, 006-004-250,
 006-004-240, 006-002-040,
 006-002-090, 006-009-360, 006-004-070
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Wild Turkey Nest
 (39.057701, -122.694719)

European Starling Nest
 (39.057393, -122.693292)

(39.055637, -122.691224)

(39.055637, -122.691224)

(39.055519, -122.691404)

(39.054019, -122.692184)

(39.053541, -122.692008)

(39.053481, -122.692040)

(39.053281, -122.692143)

(39.051349, -122.692815)

European Starling Nest	100 foot Buffer
Wild Turkey Nest	Proposed Buildings
Red-Winged Blackbird Nest	Proposed Nursery
Watercourse	Proposed Cultivation Areas
Roads	Parcel Boundaries
50 foot Buffer	

Updated as of 4/27/2021