



Wildlife Research Associates

Trish and Greg Tatarian

1119 Burbank Avenue

Santa Rosa, CA 95407

Ph: 707.544.6273 Fax: 707.544.6317

www.wildliferesearchassoc.com

trish@wildliferesearchassoc.com

gregbat@wildliferesearchassoc.com

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Matt O'Connor, PhD, Certified Engineering Geologist
Principal Hydrologist/Geomorphologist
O'Connor Environmental, Inc.
707- 431-2810

RE: Addendum to Habitat Assessment– Babu Vineyards, Napa, CA

Dear Matt,

This letter report is an Addendum to the July 28, 2016 Habitat Assessment of the Babu Vineyard CA (Wildlife Research Associates and Jane Valerius Environmental Consulting 2016), located at 3600 White Sulphur Springs Road, Saint Helena. This addendum addresses the concerns raised by Napa County Planning, Building and Environmental Services Conservation Staff, Don Barella, regarding the significance of nesting bird habitat within the parcels, as stated in an email with Matt O'Connor on June 22, 2017.

Specifically, it was requested that the addendum clarify the following:

“An assessment and impact analysis associated with the loss of potentially suitable special-status passerine and raptor species habitat that may be located within the property and project area. The Habitat Assessment indicated potential habitat for several special-status bird species, some of which were observed on site. The assessment should include a qualitative analysis of potential special-status habitat within the subject parcel and how much is affected by the project and if the loss is potentially significant.”

Methods

Trish Tatarian requested that Matt O'Connor of O'Connor Environmental, Inc. map the wildlife habitats that were identified in the Habitat Assessment of the Babu Vineyards (Wildlife Research Associates and Jane Valerius Environmental Consulting 2016). No surveys were conducted for this addendum.

Results

Figure 1 presents the acreages of habitat on the Babu parcel. A total of 0.62 acres of Douglas fir forest (Block B) and 1.18 acres of coastal oak woodland and 0.25 acres of brush (Block A) will be removed for the proposed planting blocks, resulting in a total of 2.05 acres being converted.

Table 1: Vegetation Community and Acreages Removed and Preserved as a Percentage of the Total Acreage of Each Vegetation Type on the Parcel

Vegetation Community	Acreages			Percentage of Total Acreage	
	Total on Parcel	Removed by Vineyard Development	Preserved	Removed	Retained
Douglas fir forest	41.2	0.62	40.58	1.5	98.5
Coast live oak woodland	5.9	1.18	4.72	20	80
Mixed Chaparral	2.3	0.25	2.05	10.86	89.1
Coast live oak forest	7.8	0	7.8	0	100
	57.2	2.05	55.15		

Overall, 55.15 acres, or 96.4%, of the vegetation on the parcel would be preserved with a conversion of 2.05 acres, or 3.58%, into vineyard. Of the 2.05 acres that will be developed for vineyard, 0.62 acres, or 30.2 %, is Douglas fir forest (conifer dominated forest) in Block B. Of the total parcel acreage, Douglas fir forest comprises 41.2 acres, or 72%. Development of the 0.62 acres in Block B will result in the loss of 1.5% of the Douglas fir habitat on the entire parcel.

With the mitigation measures to prevent take of individual nesting birds, loss of 1.5% of the Douglas fir habitat on the entire parcel is not a significant impact.

Within the 2.05 acres developed for vineyard, 1.18 acres, or 57.5%, is coast live oak woodland (oak woodland/ brush) in Block A. Of the total parcel acreage, oak woodland/ brush comprises 5.9 acres, or 10%. Development of the 1.18 acres in Block A will result in the loss of 20% of oak woodland on the entire parcel.

With the mitigation measures to prevent take of individual nesting birds, loss of 20% of oak woodland/ brush on the entire parcel is not a significant impact.

Within the 2.05 acres developed for vineyard, 0.25 acres, or 12%, is mixed chaparral (brush/grass) in Block A. Of the total parcel acreage, chaparral comprises 2.3 acres, or 4%. Development of the 0.25 acres in Block A will result in the loss of 10.86% of mixed chaparral on the entire parcel.

With the mitigation measures to prevent take of individual nesting birds, loss of 10.86% of chaparral on the entire parcel is not a significant impact.

If you have any questions regarding this report please call me.

Sincerely,



Trish Tatarian

References

NAPA COUNTY. 2005. NAPA COUNTY BASELINE DATA REPORT. AVAILABLE ONLINE AT:
[HTTP://WWW.CO.NAPA.CA.US/GOV/DEPARTMENTS/29000/BDR/INDEX.HTML](http://www.co.napa.ca.us/gov/departments/29000/bdr/index.html). NOVEMBER

WILDLIFE RESEARCH ASSOCIATES AND JANE VALERIUS ENVIRONMENTAL CONSULTING. 2016. HABITAT ASSESSMENT: BABU VINEYARD, 3600 WHITE SULPHUR SPRINGS ROAD, SAINT HELENA, CA 94574 (APN 027-010-033). TECHNICAL REPORT PREPARED FOR O'CONNOR ENVIRONMENTAL, INC. JULY 28.

