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**KJELDSSEN BIOLOGICAL CONSULTING**

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**To: Daniel Zador**

Conservation Div., Napa Co. CDPD  
1195 Third St., Suite 210  
176 Main Street Suite B  
St. Helena, CA 94574

**Re: Pre-construction Biological Mitigation Monitoring  
Bird Nesting Survey**

Edward P. Fitts Lake Ridge Vineyard  
New Vineyard Development  
Final Vineyard Blocks  
APN:032-010-068

**Date: July 24, 2008**

**Introduction**

At the request of Drew L. Aspegren, PE, Napa Valley Vineyard Engineering, Inc., Kjeldsen Biological Consulting has completed the pre-construction bird nesting survey for the Fitts vineyard expansion at 90 Long Ranch Road. The proposed project consists of the conversion of oak woodland and mixed chaparral to vineyards. The project site is in Napa County, south of Lake Hennessey with access from State Highway 128 and thence Long Ranch Road. The project site is within the Yountville Quadrangle. The project proposes the development of approximately 5.6 gross acres (4.2 net acres of new vineyard) and expansion along one side of an existing vineyard as it is replanted. The project is within a 40-acre parcel that contains 3 acres of existing vineyard, residence and infrastructure.

Mitigation measures require pre-construction surveys for earth-disturbing activities. The following mitigation measures were addressed by our pre-construction survey.

1) For ground disturbing activities occurring during the breeding season (March 1 through July 31), a qualified wildlife biologist would conduct pre-construction surveys of all potential nesting habitat for birds within 500 feet of earthmoving activities. If active bird nests are found during preconstruction surveys, a 500-foot no-disturbance buffer will be created around active raptor nests during the breeding season or until it is determined that all young have fledged.

Raptor nesting surveys are required where there is the potential to disturb nesting and fledging of raptors. Nesting raptors are protected by state and federal regulations and raptor surveys prior to

**KJELDSSEN BIOLOGICAL CONSULTING**  
**Chris K. Kjeldsen Ph.D., Botany**  
**Daniel T. Kjeldsen, Natural Resource Management**  
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544-3091 Fax: 575-8030

**Date:** 9/20/06

**TO:** Drew L. Aspegren  
Napa Valley Vineyard Engineering  
176 Main Street Suite B  
St. Helena, CA 94574

**FOR:** Napa County Conservation, Development and Planning Department  
1195 Third Street, Room 201  
Napa, CA 94559-3092

**PROJECT:** Detailed *Ceanothus purpureus* Study  
Lake Ridge Vineyard  
Proposed Vineyard Block 06 +/-5.5 Ac.  
Napa County, California



*Ceanothus purpureus* Holly Leaved Ceanothus

**KJELDSSEN BIOLOGICAL CONSULTING**  
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**Date:**           **September 27, 2007**

**Project:**       Lake Ridge Vineyard  
New Vineyard Development  
APN:032-010-068  
Edward P. Fitts

**ECP:**           Napa Valley Vineyard Engineering, Inc.  
Drew L. Aspegren, PE  
176 Main Street Suite B  
St. Helena, CA 94574

**Re:**           **Spring 2007 Floristic Survey Results**  
**Adjusted Vineyard Blocks Avoiding Special-status Species**

**Introduction**

At the request of Drew L. Aspegren, Napa Valley Vineyard Engineering, Inc., and the property owner a spring floristic survey for special-status plants was conducted on the area proposed for development. The project proposes the development of new vineyard within a 40-acre parcel that contains 3 acres of existing vineyard, a residence, and infrastructure. The study areas consist of oak woodlands that interface with chaparral. The study site is in Napa County, south of Lake Hennessey with access from State Highway 128 at 90 Long Ranch Road. The study site is within the Yountville Quadrangle.

A spring floristic survey was conducted following the recommendations from the Biological Resource Reconnaissance Survey, Lake Ridge Vineyard 90 Long Ranch Road, February 2007, regarding Special-status species.

**Field Survey Dates**

Our field methods are described in the Biological Resource Reconnaissance Survey. Our follow-up survey dates are the following: March 5, April 16, May 7, June 13, and August 23, 2007.

**Special-status Species Found**

One special-status species was identified in the Biological Resource Reconnaissance Survey and potential habitat was identified for other Special-status plant species. Two additional special-status species were found on the property during our spring floristic surveys. The special-status species found on the project site are mapped on the attached Plate I. The information below provides a

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**A Cultural Resources Survey of  
Portions of the Property at 90 Long Ridge Road  
St. Helena, Napa County, California**

Eileen Barrow, B.A.  
and  
Thomas M. Origer, M.A./RPA

October 8, 2007  
Revised  
December 23, 2008

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