



**GALLAWAY**  
CONSULTING, INC.

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**5/18/2009**

City of Chico  
Attn: Dennis Beardsley  
411 Main Street  
Chico, CA 95928

**Re: Highway 32 Disc Golf Course, Chico, Butte County, CA.**

Dear Mr. Beardlsey,

Gallaway Consulting conducted a delineation of waters of the U.S. for an approximately 76.4-acre Study Area within Bidwell Park in the City of Chico, Butte County, California (**Figure 1**). The Highway 32 Disc Golf Course (Study Area) is located in Section 11, Township 22N, Range 2E, of the Paradise West U.S. Geological Survey (USGS) 7.5 minute quadrangle map (**Figure 1**). A survey was conducted on April 21, 2009 by biologists Brooks Taylor and Gillies Robertson. The survey involved an examination of botanical resources, soils, hydrological features, and determination of wetland characteristics based on the *United States Army Corps of Engineers Wetlands Delineation Manual* (1987); the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region* (2008); and the *U.S. Army Corps of Engineers Jurisdictional Determination Form Instructional Guidebook* (2007).

This report addresses the nature, jurisdictional status, and landscape position of the wetlands in the Study Area; it does not provide information suitable for structural analysis of soils for construction purposes, flood plain delineation, or other purposes not expressly stated. Wetland acreages presented in this report should be considered preliminary, and subject to review and modification by the U.S. Army Corps of Engineers (USACE) during the wetland delineation verification process.

### **Results**

Upon a thorough pedestrian survey which encompassed the entire Study Area as depicted in **Figure 2**, no potentially jurisdictional wetlands or Other Waters of the United States were identified. The Study Area is located on a lava cap plateau with shallow surface soils and exposed bedrock. Water appears to run off of the site rapidly via surface flow during rain events. No defined stream channels were identified however two areas, which appear to convey water via sheet flow from north to south, exist within the interior of the Study Area. These areas lacked indications of channelization or erosional characteristics necessary to define them as jurisdictional Other Waters of the U.S.

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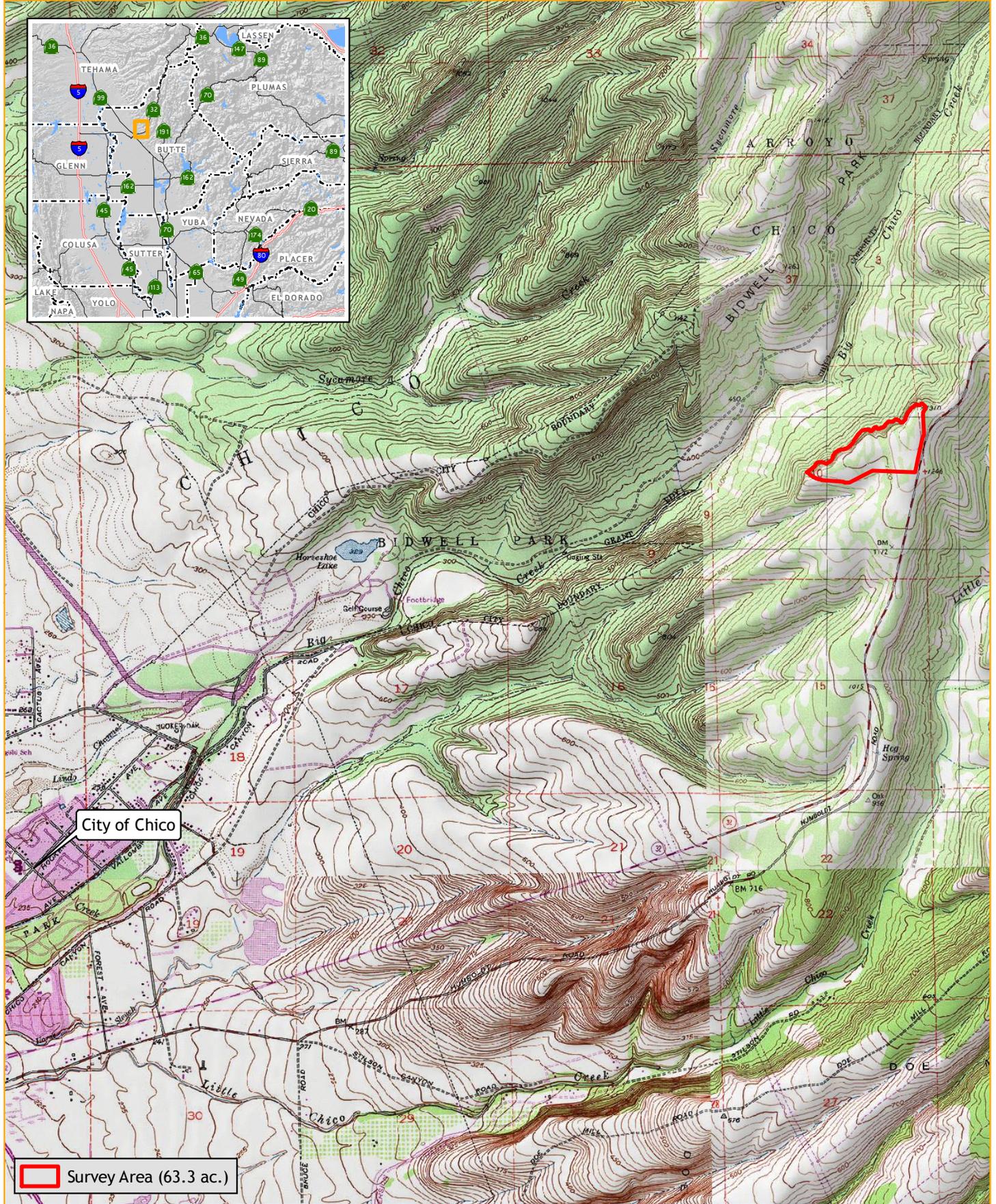
Please feel free to contact me with any questions or concerns or if you would like to schedule a site visit.

Sincerely,

Brooks Taylor  
Gallaway Consulting  
(530) 343-8327  
btaylor@gallawayconsulting.net

# Bidwell Park - Highway 32 Disc Golf Course

# Location



 Survey Area (63.3 ac.)



Survey Area exists within City of Chico owned parcels  
 in Sections 10, 11 of T22N & R2E of  
 Paradise West USGS 7.5' Quad.  
 Map shows Richardson Springs, Paradise West,  
 Chico, and Hamlin Canyon USGS 7.5' Quad only.  
 Map Date: April 28, 2009

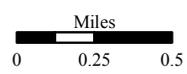
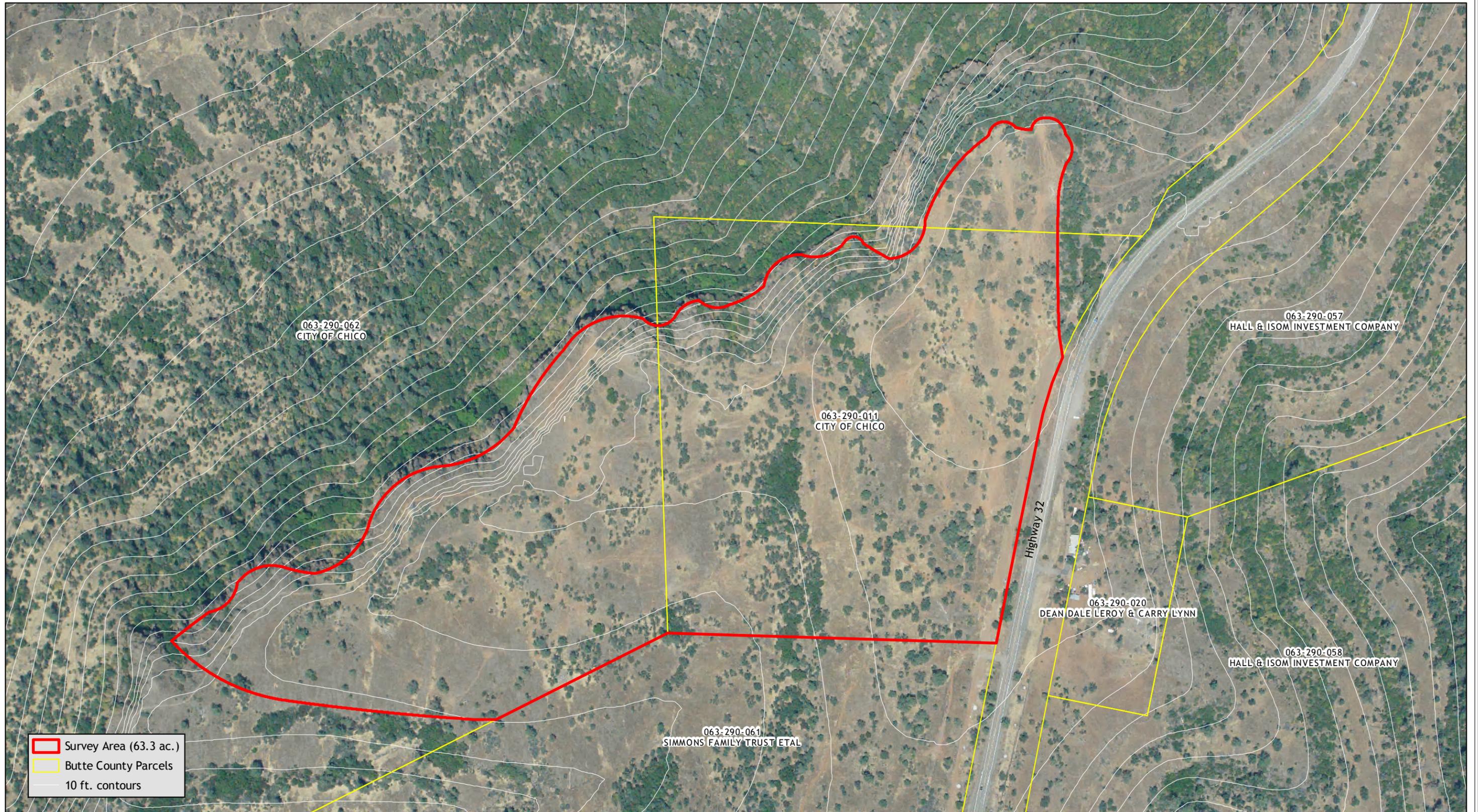


Figure 1



Parcel data from Butte County Assessor  
Aerial: 2006 (BCAG)  
Map Date: April 15, 2009

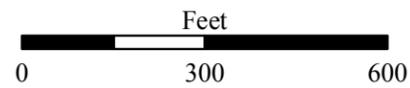


Figure 2