

*Southern California Edison*  
**WODUP A.13-10-020**

**DATA REQUEST SET A.13-10-020 WODUP ED-SCE-02**

**To:** ENERGY DIVISION  
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**Dated:** 04/02/2014

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**Question BIO-06b:**

**Biological Resources**

**BIO-6** Botanical Resources survey report (BRC 2013).

b. Please provide more detailed information on the CNDDDB occurrences of Nevin's barberry on and adjacent to the ROW to support the determination that these occurrences are all extirpated and this species is not expected to be found on the project alignment.

**Response to Question BIO-06b:**

Seventeen CNDDDB records for Nevin's barberry occur within Riverside and San Bernardino Counties. Of these 17 occurrences, five are located within the Redlands, Redlands East, and Harrison Mountain, California USGS 7.5-minute quadrangles, which the West of Devers Upgrade Project alignment traverses. Three of these occurrences are located within the 500-ft vegetation mapping buffer and two polygon records also overlap the 100-ft focused special-status plant species survey area (see Figure 2 Nevin's Barberry Locations, attached). The remaining two records occur outside the Project area (including external access roads) and are not discussed.

Of the three CNDDDB occurrence records that fall within the Project area, Occurrence No. 4 is located on a side canyon of San Timoteo Canyon and includes two polygons: one north of and extending into the Project ROW; and one south, outside the Project ROW. The species is a perennial evergreen identifiable during all seasons. The portion of the northern polygon within the study area was surveyed as part of the 2012 and 2013 surveys and Nevin's barberry was not observed during the focused special-status plant species surveys or vegetation mapping. The southern location was not surveyed as it is outside of the Project ROW, survey buffer, and access road alignments. Individual plants that may occur within the southern polygon will not be affected as the location is outside the Project area.

Occurrence No. 4 is listed as extant, with an unknown population trend. The original observations in 1982 and 1985 consisted of five plants. Seven plants were observed in 1987 and an unknown number (not listed) was observed in 1988. Only one individual was seen with an observation listed in 2003. In the northern polygon associated with this record, the area is highly disturbed from grazing and off-road vehicles. Due to the lack of observations in this polygon

during the 2012 and 2013 surveys and the disturbed nature of the habitat, it is unlikely that this species is present at this location and, therefore, will not be affected by the Project.

Occurrence No. 5 is located near the mouth of Scott Canyon, southwest of Redlands and is within the Project ROW. The location was visited as part of the 2012 and 2013 focused special-status plant species surveys and vegetation mapping and the species was not observed. The original record identifies this occurrence as one very old, non-reproducing individual surrounded by weeds. The plant was seen at this location in 1982, 1985, 1986, and 1987. The plant was observed during the 1990s as well, but no exact date was given. The comments for this occurrence also state that the plant was burned recently by fire. As noted above, the species is a perennial evergreen identifiable during all seasons. Given the lack of observation in 2012 and 2013, coupled with a record of the individual being burned in a fire, it is unlikely that the species currently exists at this location. Therefore, no impact on Nevin's barberry is expected at this location from Project activities.

Occurrence No. 40 is located south of Redlands and 2.3 miles southwest of McKinley School, just off Pilgrim Road under power lines. The mapping for this occurrence is unclear, as no exact coordinates were provided to the CNDDDB; only township, section, and range were given. The site is based on a 1988 collection and a specific number of individuals or population size is not given. No additional observations of Nevin's barberry have been recorded at this location. The general location was visited during the 2012 and 2013 surveys, and the species was not observed within the Project ROW or along surveyed portions of Pilgrim Road. Therefore, due to the lack of observations and lack of more recent records of this site, it is unlikely individuals of this species exist at this location or at least any locations within the Project ROW and survey buffer. No impact on Nevin's barberry is expected at this location from Project activities.

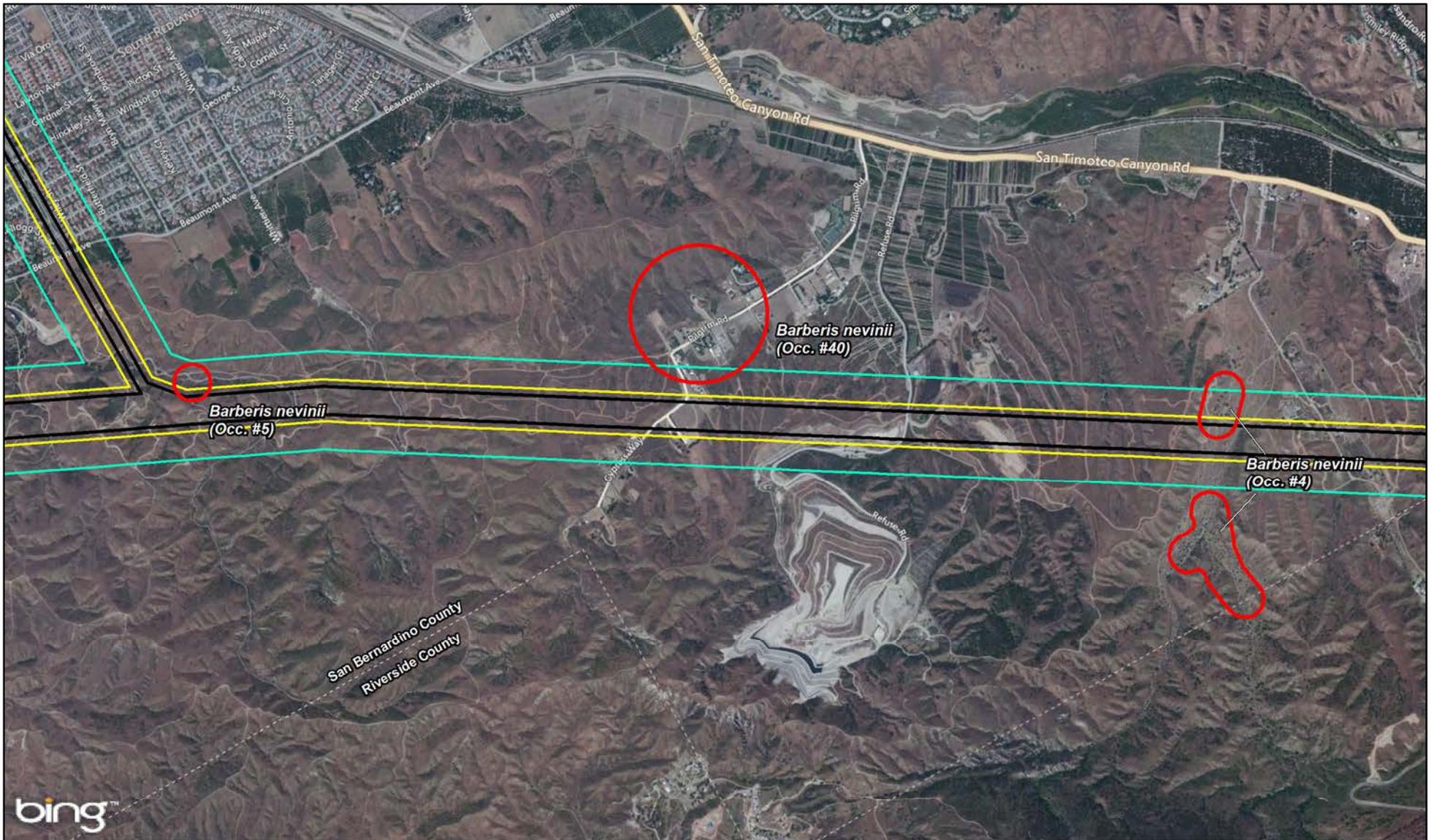
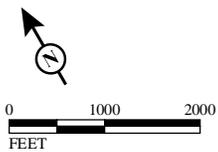


FIGURE 2



LEGEND

-  Transmission Line Right of Way
-  100' from Transmission Line Right-of-Way
-  500' from Transmission Line Right-of-Way
-  CNDDB Occurrences (Nevin's Barberrry)



SOURCE: Bing Maps (2013); CNDDB (2014); SCE (5/2013)  
 I:\SCE1110\GIS\MXD\Biology\NevinsBarberry.mxd (4/1/2014)

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*West of Devers Upgrade Project*  
 CNDDB Nevin's Barberrry Locations