CLEVELAND NATIONAL FOREST POWER LINE REPLACEMENT PROJECTS

MINOR PROJECT REFINEMENT REQUEST FORM

Date Submitted:	12-12-16	**Request #:**	002
Date Approval Required:	01-30-17	**Landowner:**	Various
APN:	XXX-XXX-XX, XXX-XXX-XX		

Refinement from (check all that apply):

☐ Mitigation Measure	☐ APM	☑ Project Description	☑ Drawing	☐ Other

Identify source (mitigation measure, project description, etc.):

San Diego Gas & Electric Company's (SDG&E's) response to Data Request #10 was submitted to the California Public Utilities Commission (CPUC) in April 2015. This data request included Attachment B.3 TL629 Route Map and Attachment B.1 TL625 Route Map for the Cleveland National Forest Power Line Replacement Projects (Project), which depicted approved facilities, temporary guard structure sites, stringing sites, access roads, and staging and fly yards for those transmission lines. Page B-44 through Page B-47 of the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) describes the Project's temporary workspace requirements for access, staging areas, stringing sites, pole work areas, fly yards, trench work areas, and guard structures.

The information in this Minor Project Refinement (MPR) request form discusses the following proposed refinements along Transmission Line (TL) 625B and TL629E:

- realignment and use of an existing access road (TL625B only);
- enlargement and addition of temporary workspaces;
- addition of construction-only access roads;
- relocation and addition of temporary guard structure work areas;
- addition of the Miller Valley Staging/Fly Yard and the Japatul Fly Yard;
- addition of an existing maintained access road (TL625B only);
- addition of existing navigation access roads;
- reconfiguration and addition of stringing sites;
- reconfiguration and change in use of the Sweetwater Staging and Fly Yard from a stringing site to a staging and fly yard;
- addition and enlargement of approved temporary work entry areas;
- realignment of the underground trench and addition of two bore pits and one vault (TL629E only);
- removal of existing distribution poles and colocation of the 12 kilovolt (kV) circuit (TL629E only); and

- addition of wood-to-steel replacement poles.

A brief description of the refinements is provided on pages 2 and 3 of this MPR request and a list of refinements and the reason for each is provided in Attachment A: Refinement Table and Project Impacts Table.

Attachments (check all that apply):

☑ Refinement Screening Form (see Attachment C: Minor Project Refinement Request Screening Form)	☐ Photos	☑ Maps (see Attachment B: Survey Area Map; Attachment D: Compare Map)	☑ Other (see Attachment A: Refinement Table and Project Impacts Table)

Under Order 2 of the Decision Granting SDG&E Permit to Construct the Cleveland National Forest Power Line Replacement Projects (D.16-05-038), the CPUC may approve minor project refinements under certain circumstances. In accordance with Order 2 of the Decision, respond "yes" or "no" to the following questions (a) through (d).

(a) Is the proposed refinement outside the geographic boundary of the EIR/EIS study area? No. The proposed refinements are located within the geographic extent of the Final EIR/EIS study area. Hydrology, biological, and cultural resources studies were conducted as described in the Final FEIR/FIES. In addition, supplemental hydrology, biological, and cultural surveys of the refinement areas were conducted as needed at various times throughout 2016. Attachment B: Survey Area Map depicts the boundaries of the areas that were previously surveyed for various resources in the Project vicinity, as well as the supplemental areas that were surveyed in 2016.

(b) Will the proposed refinement result in a new significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the EIR/EIS? No. See Attachment C: Minor Project Refinement Request Screening Form for the detailed assessment.

(c) Does the proposed refinement conflict with any mitigation measure or applicable law or policy? No.

(d) Does the proposed refinement trigger an additional permit requirement? No. No additional resources (special-status plant and/or wildlife species) other than those identified and described in the Final EIR/EIS have been identified within the requested refinement areas; therefore, no additional permits are necessary.

Describe refinement being requested (attach drawings and photos as needed):

Temporary work area requirements were described in the Project's EIR/EIS and are associated with wood-to-steel pole conversion, distribution colocation, undergrounding, and single-to-double circuit conversions along TL629 and TL625. SDG&E requests the following proposed refinements for TL625B and TL629E:

- realignment and use of an existing access road at Pole Z272867;
- reconfiguration or enlargement of nine and addition of 49 temporary workspaces to accommodate equipment and conduct pole work;
- addition of temporary workspaces for either removal or reinstallation of a guy anchor associated with a distribution pole;
- addition of 11 construction-only access roads for access to various poles and work areas (vegetation brushing will be required and minor grading may occur);
- relocation of 10 approved temporary guard structure work areas and addition of 6 temporary guard structure work areas;
- addition of the Miller Valley Staging/Fly Yard and the Japatul Fly Yard;
- addition of an existing maintained access road on TL625B and 25 existing navigation access roads for use and access to various poles and work areas (potential vegetation removal may be required at NR-16 in

Attachment A: Refinement Table and Project Impacts Table; no vegetation clearing or ground disturbance is required for the other maintained and navigation roads);

- reconfiguration of 6 approved stringing sites, reconfiguration of 1 approved stringing site into 2 separate stringing sites, and addition of 11 stringing sites, for a total of 19 stringing sites (these stringing sites will be combined with the 4 stringing sites approved in Notice to Proceed [NTP] #1). While 35 stringing sites were approved from the Data Request #10 in April 2015, only 23 stringing sites will be required as a result of this MPR;
- change in use of the Sweetwater Staging and Fly Yard from a stringing site to a staging and fly yard as well as a reduction in its size;
- addition of 13 temporary work entry areas and enlargement of one approved temporary work entry area in order to provide safe access, vehicle turnaround, and parking;
- addition of two bore pits associated with undergrounding utilities into the Crestwood Substation;
- addition of one temporary workspace for a vault associated with the replacement of an underground distribution line;
- removal of 33 existing distribution poles and colocation of the 12 kV circuit to the TL629E alignment;
- addition of four wood-to-steel replacement poles; and
- realignment of the underground trench near Crestwood Substation.

A list of the refinements and a description of the need for each refinement is included in Attachment A: Refinement Table and Project Impacts Table. Attachment D: Compare Map depicts the preliminary TL625B and TL629E alignment (as shown in the Final EIR/EIS, Data Request #10, and NTP #1) in comparison with the final design of the TL625B and TL629E alignment, as described in this MPR request. The activities associated with the construction and utilization of the refinement areas will occur in the same manner as described in the Final EIR/EIS for construction, operation, and maintenance of the Project.

Provide need for refinement (attach drawings and photos as needed):

The minor refinements described in this MPR request are a result of the final transmission line design that was developed based on the preliminary alignment presented in the Final EIR/EIS and Data Request #10. SDG&E submitted a response to Data Request #10 in April 2015 once the preliminary design contained sufficient detail to address the requested information. However, SDG&E conducted constructability reviews in 2015 and 2016 and continued to refine the engineering design in order to incorporate field verification of terrain (including features that could impact constructability), results of geotechnical investigations, specific input regarding construction methodology from SDG&E's contractors (Crux Subsurface, Inc. and PAR Electrical Contractors, Inc.), and landowner coordination. As a result, minor refinements to pole work areas, stringing sites, guard structures, access roads, and staging yards were necessary, as identified in the Final EIR/EIS. A list of the refinements and a description of the need for each refinement is included in Attachment A: Refinement Table and Project Impacts Table.

Date refinement is expected to be implemented:	01-31-17

Landowner Approval (if required)

Landowner Name	Signature or Other Consent (see attached)	Date

Resource Agency Coordination

Resource Agency	Name	Action Required	Date	Documentation (see attached if yes)	
Not Applicable (N/A)	N/A	N/A	N/A	☐ Yes	☐ No

ATTACHMENT A: REFINEMENT TABLE AND PROJECT IMPACTS TABLE

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Table 1: Project Refinement Table lists each refinement alphabetically by Transmission Line (TL) 625B and TL629E as part of the San Diego Gas & Electric Company (SDG&E) Cleveland National Forest Power Line Replacement Projects (Project). The refinements are a result of the Project's final design and a brief explanation of the need for each refinement is included. This table also includes the temporary and permanent impacts associated with the requested refinements by type and alignment.

Table 2: Project Impacts Table lists the temporary impacts of this Minor Project Refinement (MPR) request as well as temporary impacts for the Project to date by vegetation type and workspace type.

Table 1: Project Refinement Table

Workspace	Compare Map Number	Refinement	Need for Refinement
TL625B			
Access Road Realignment	14 of 39	Realignment of an existing SDG&E maintained road approximately 25 feet south of Pole Z272867	During constructability reviews conducted in 2015 and 2016, it was determined that the proposed location of fire-hardened Pole Z272867 would restrict access along the existing access road to poles farther to the east, including Poles Z272868 and Z272869. Therefore, a minor realignment of the road at Pole Z272867 is required to maintain access to the two poles located east along the existing access road. Approximately 0.02 acre of existing road and 0.10 acre of southern mixed chaparral will be temporarily impacted to realign the road around Pole Z272867.[1] In addition, approximately 0.02 of southern mixed chaparral will be permanently impacted for the road realignment.
Temporary Impacts: 0.00 acres[1]			
Permanent Impacts: 0.02 acres to native vegetation			
Anchor Workspace (AW-) 01	3 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P270592	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-02	3 of 39	Addition of a new temporary workspace for removal of a guy anchor at P273066	Anchors are no longer needed for wood-to-steel replacement poles.
AW-03	3 of 39	Addition of a new temporary workspace for removal of a guy anchor at P273066	Anchors are no longer needed for wood-to-steel replacement poles.
AW-04	6 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272850	Anchors are no longer needed for wood-to-steel replacement poles.
AW-05	6 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272850	Anchors are no longer needed for wood-to-steel replacement poles.
AW-06	8 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272854	Anchors are no longer needed for wood-to-steel replacement poles.
AW-07	8 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272854	Anchors are no longer needed for wood-to-steel replacement poles.
AW-08	11 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272859	Anchors are no longer needed for wood-to-steel replacement poles.

[1] The temporary impacts for the access road realignment are accounted for in the Temporary Workspace section under TW-08.

Workspace	Compare Map Number	Refinement	Need for Refinement
AW-09	11 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272859	Anchors are no longer needed for wood-to-steel replacement poles.
AW-10	11 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272860	Anchors are no longer needed for wood-to-steel replacement poles.
AW-11	11 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272860	Anchors are no longer needed for wood-to-steel replacement poles.
AW-12	11 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272860	Anchors are no longer needed for wood-to-steel replacement poles.
AW-13	11 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272860	Anchors are no longer needed for wood-to-steel replacement poles.
AW-14	13 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272865	Anchors are no longer needed for wood-to-steel replacement poles.
AW-15	13 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272865	Anchors are no longer needed for wood-to-steel replacement poles.
AW-16	15 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P275703	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-17	15 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P275703	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-18	20 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P776550	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-19	22 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P977012	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-20	22 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P977012	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-21	23 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P373255	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.

Workspace	Compare Map Number	Refinement	Need for Refinement
AW-22	24 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P30512	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-23	26 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P675322	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-24	30 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z135624	Anchors are no longer needed for this pole as it is being removed.
AW-25	33 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P473732	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-26	34 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P277150	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-27	34 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272892	Anchors are no longer needed for wood-to-steel replacement poles.
AW-28	34 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272893	Anchors are no longer needed for wood-to-steel replacement poles.
AW-29	34 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272893	Anchors are no longer needed for wood-to-steel replacement poles.
AW-30	34 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272893	Anchors are no longer needed for wood-to-steel replacement poles.
AW-31	34 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272893	Anchors are no longer needed for wood-to-steel replacement poles.
AW-32	35 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272894	Anchors are no longer needed for wood-to-steel replacement poles.
AW-33	35 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272894	Anchors are no longer needed for wood-to-steel replacement poles.
AW-34	35 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272894	Anchors are no longer needed for wood-to-steel replacement poles.
AW-35	35 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272894	Anchors are no longer needed for wood-to-steel replacement poles.

Workspace	Compare Map Number	Refinement	Need for Refinement
AW-36	35 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P275752	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-37	35 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P275752	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-38	37 of 39	Addition of a new temporary workspace for reinstallation of a guy anchor at P877402	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-39	39 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272901	Anchors are no longer needed for wood-to-steel replacement poles.
AW-40	39 of 39	Addition of a new temporary workspace for removal of a guy anchor at Z272901	Anchors are no longer needed for wood-to-steel replacement poles.
Temporary Impacts: 0.04 acres (0.01 acre disturbed/developed areas and 0.02 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
Construction-Only Access Road (COR-) 01	3 of 39	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment access from Pole Z272844 to P273066, which currently can only be accessed by footpaths. Construction equipment and vehicle access is required for the replacement of the Pole P273066.
COR-02	13 of 39	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to the stringing site east of Pole Z272865.
COR-03	13 of 39	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to the stringing site east of Pole Z272865.
COR-04	20 & 21 of 39	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to the stringing site northwest of Pole Z272875.
COR-05	23 of 39	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to Pole P373255.
COR-06	37 of 39	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to the temporary workspace northeast of Pole Z272897.
Temporary Impacts: 0.30 acres (0.02 acre disturbed/developed areas, 0.30 acre of native vegetation, 0.01 acre of non-native grassland, and 0.13 acre of pastureland/cultivated agriculture)			
Permanent Impacts: 0.00 acres			
Guard Structure Work Area (GS-) 01	5 of 39	Relocation and enlargement of the approved guard structure work area	Guard structure work areas have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-02	5 of 39	Relocation and enlargement of the approved guard structure work area	Guard structure work areas have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.

Workspace	Compare Map Number	Refinement	Need for Refinement
GS-03	6 of 39	Relocation and enlargement of the approved guard structure work area	Guard structure work areas have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-04	15 of 39	Relocation and enlargement of the approved guard structure work area	Guard structure work areas have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-05	15 of 39	Relocation and enlargement of the approved guard structure work area	Guard structure work areas have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-06	16 of 39	Enlargement of the approved guard structure work area	Guard structure work areas have been enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-07	16 of 39	Enlargement of the approved guard structure work area	Guard structure work areas have been enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
Temporary Impacts: 0.11 acres (0.02 acre disturbed/developed areas and 0.08 acre native vegetation)			
Permanent Impacts: 0.00 acres			
Japatul Fly Yard	25 & 26 of 39	Addition of a fly yard, measuring approximately 0.42 acre	The fly yard is needed to accommodate helicopter take-offs and landings for transporting construction materials and equipment.
Temporary Impacts: 0.42 acres (0.42 acre disturbed/developed area)			
Permanent Impacts: 0.00 acres			
Maintained Access Road-01	7 of 39	Addition of an existing maintained access road	The existing maintained road is being added to allow equipment and vehicle access to Pole Z272852.
Temporary Impacts: 0.00 acres (maintained roads are existing roads with no vegetation)			
Permanent Impacts: 0.00 acres (maintained roads are existing roads with no vegetation)			
Navigation Access Road (NR-) 01	1 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to maintained access roads west of the Loveland Substation.
NR-02	20 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P776550.
NR-03	21 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P774217.
NR-04	22 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P977012.
NR-05	22 & 23 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P373255.
NR-06	23 & 24 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P30512.
NR-07	25 & 26 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P675322.

Workspace	Compare Map Number	Refinement	Need for Refinement
NR-08	25 & 26 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to the Japatul Fly Yard.
NR-09	26 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P970798.
NR-10	24, 27, & 28 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P873422.
NR-11	33 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P275748.
NR-12	37 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P877402.
NR-13	38 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P113509.
NR-14	38 and 39 of 9	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Poles P113509, Z272899, and Z272900.
NR-15	39 of 39	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole Z571416.
Temporary Impacts: 0.00 acres (navigation roads do not require maintenance)			
Permanent Impacts: 0.00 acres (navigation roads do not require maintenance)			
Pole Z571416	39 of 39	Addition of a wood-to-steel replacement pole	Pole Z571416 is being added as a wood-to-steel replacement for fire-hardening purposes.
Temporary Impacts: 0.00 acres[2]			
Permanent Impacts: 0.00 acres			
Stringing Site (SS-) 01	1 of 39	Reconfiguration of the approved stringing site dimensions and size from approximately 0.16 acre to 0.12 acre	The stringing site was reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-02	12 & 13 of 39	Addition of a new stringing site, measuring approximately 0.07 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-03	13 of 39	Addition of a new stringing site, measuring approximately 0.14 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-04	19 & 20 of 39	Addition of a new stringing site, measuring approximately 0.16 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-05	21 of 39	Realignment and reconfiguration of the approved stringing site dimensions and size from approximately 0.25 acre to 0.07 acre	The stringing site was realigned and reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
Temporary Impacts: 0.56 acres (0.07 acre of road, 0.04 acre of non-native grassland, and 0.44 acre of native vegetation)			
Permanent Impacts: 0.00 acres			

[2] Impacts associated with temporary workspaces for installing this temporary pole are calculated in the Temporary Workspace section of this table.

Workspace	Compare Map Number	Refinement	Need for Refinement
Sweetwater Staging and Fly Yard	9 of 39	• Change in use from a stringing site to a staging and fly yard • Reconfiguration of the dimensions and size from approximately 0.70 acres to 0.36 acres	The Sweetwater Staging and Fly Yard was mislabeled as a stringing site in Data Request #10, which was submitted to the California Public Utilities Commission in April 2015. It is located more than 500 feet from the TL625B alignment, and therefore is infeasible for use as a stringing site due to the extreme angle and distance from the Project right-of-way. The yard, which is a gravel parking lot, has been reduced in size from 0.70 acre to 0.36 acre. Ingress and egress will occur at the eastern entrance to avoid recreational impacts to the Loveland Reservoir. Additionally, the yard no longer impedes the trailhead to the reservoir, and 30 parking spots will be reserved for members of the public.
Temporary Impacts: 0.36 acres (0.35 acre of disturbed/developed areas and 0.01 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
Temporary Workspace (TW-) 01	3 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P270592.
TW-02	5 & 6 of 39	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate equipment and safely conduct pole work at Pole Z30607.
TW-03	6 of 39	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and vehicle turnaround for the guard structure work area east of Pole P272849.
TW-04	6 of 39	Addition of a new temporary workspace	The temporary workspace is being added to allow for crane setup and access north of Pole Z272850.
TW-05	6 of 39	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and safely conduct pole removal at Pole Z272851.
TW-06	7 of 39	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate equipment, allow vehicle turnaround, and safely conduct pole work at Pole Z272852.
TW-07	10 of 39	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate equipment and safely conduct pole work at Pole Z272856.
TW-08	14 of 39	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and safely conduct pole work as well as the access road realignment work at Pole Z272867.
TW-09	15 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P275703.
TW-10	20 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P776550.
TW-11	21 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P774217.
TW-12	22 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P977012.
TW-13	23 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P373255.
TW-14	26 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P675322.
TW-15	26 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P970798.
TW-16	28 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P873422.
TW-17	31 of 39	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and safely conduct pole work at Pole Z272886.
TW-18	33 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P473732.
TW-19	33 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P275748.
TW-20	34 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P277150.
TW-21	35 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P275752.

Workspace	Compare Map Number	Refinement	Need for Refinement
TW-22	37 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P877402.
TW-23	37 of 39	Addition of a new temporary workspace	The temporary workspace is being added to accommodate crane setup near Pole Z272897.
TW-24	37 & 38 of 39	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate equipment and safely conduct pole work at Pole Z272898.
TW-25	38 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P876555.
TW-26	38 of 39	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P113509.
TW-27	38 & 39 of 39	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate equipment and safely conduct pole work at Pole Z272900.
TW-28	39 of 39	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and safely conduct pole work at Pole Z571416.
Temporary Impacts: 0.52 acres (0.24 acre of disturbed/developed areas, 0.27 acre of native vegetation, 0.03 acre pastureland/cultivated agriculture)			
Permanent Impacts: 0.00 acres			
Temporary Work Entry/Parking/ Turnaround (TWE-) 01	2 of 39	Enlargement of an approved temporary work entry area	The temporary work entry area is being enlarged to accommodate equipment, provide safe access, and allow vehicle turnaround to Pole Z272843.
TWE-02	4 of 39	Addition of a temporary work entry area	The temporary work entry area is being added to accommodate equipment, provide safe access, and allow vehicle turnaround to Pole P30605.
TWE-03	5 of 39	Addition of a temporary work entry area	The temporary work entry area is being added to accommodate equipment, provide safe access, and allow vehicle turnaround to Pole Z272847.
TWE-04	5 of 39	Addition of a new temporary work entry area	The temporary work entry area is being added to provide parking for equipment and vehicle at Pole Z30607.
TWE-05	6 of 39	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment and provide safe access to the temporary workspace north of Pole Z272850.
TWE-06	8 of 39	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment and provide safe access to Pole Z272855.
TWE-07	12 of 39	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment and vehicle turnaround at Pole Z272862.
TWE-08	16 of 39	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment and provide safe access to Pole Z272870.
Temporary Impacts: 0.16 acres (0.00 acre of disturbed/developed areas and 0.16 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
TL625B Total Temporary Impacts: 2.92 acres (1.30 acres of disturbed/developed areas, 0.06 acre of non-native grassland, 0.16 acre of pastureland/cultivated agriculture, and 1.14 acres of native vegetation)			
TL625B Total Permanent Impacts: 0.02 acres (0.02 acre of native vegetation)			

Workspace	Compare Map Number	Refinement	Need for Refinement
TL629E			
AW-41	6 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40631	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-42	8 of 46	Addition of a new temporary workspace for removal of a guy anchor at Z44160	Anchors are no longer needed for wood-to-steel replacement poles.
AW-43	8 of 46	Addition of a new temporary workspace for removal of a guy anchor at Z44160	Anchors are no longer needed for wood-to-steel replacement poles.
AW-44	10 of 46	Addition of a new temporary workspace for removal of a guy anchor at Z44178	Anchors are no longer needed for wood-to-steel replacement poles.
AW-45	30 of 46	Addition of a new temporary workspace for removal of a guy anchor at Z44194	Anchors are no longer needed for wood-to-steel replacement poles.
AW-46	30 of 46	Addition of a new temporary workspace for removal of a guy anchor at Z44194	Anchors are no longer needed for wood-to-steel replacement poles.
AW-47	30 of 46	Addition of a new temporary workspace for removal of a guy anchor at Z44194	Anchors are no longer needed for wood-to-steel replacement poles.
AW-48	36 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40836	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-49	37 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P209388	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-50	37 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P209388	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-51	37 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40844	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-52	37 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40844	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.

Workspace	Compare Map Number	Refinement	Need for Refinement
AW-53	37 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40844	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-54	37 of 46	Addition of a new temporary workspace for removal of a guy anchor at P222376	Anchors are no longer needed for wood-to-steel replacement poles.
AW-55	39 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40850	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-56	42 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P208956	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-57	42 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40862	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
AW-58	43 of 46	Addition of a new temporary workspace for reinstallation of a guy anchor at P40863	Reinstallation of anchors are required on various existing distribution structures that extend off the main transmission line due to minor relocation and movement of the transmission structures. The shifts in location of the transmission structures introduce new angles and tension on the existing distribution structures, which in some cases cannot adequately support the change in tension without reinstallation of the anchors.
Temporary Impacts: 0.02 acres (0.004 acre of disturbed/developed areas, 0.002 acre of non-native grassland, and 0.014 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
Bore Pit (BP-) 01	45 of 46	Addition of a bore pit associated with the undergrounding of utilities into the Crestwood Substation	The section of Old Highway 80 near the Crestwood Substation includes the original concrete; therefore, it is considered a cultural resource. As a result, bore pits on either side of Old Highway 80 are required to conduct the necessary undergrounding from TL629E to the Crestwood Substation.
BP-02	45 & 46 of 46	Addition of a bore pit associated with the undergrounding of utilities into the Crestwood Substation	The section of Old Highway 80 near the Crestwood Substation includes the original concrete; therefore, it is considered a cultural resource. As a result, bore pits on either side of Old Highway 80 are required to conduct the necessary undergrounding from TL629E to the Crestwood Substation.
Temporary Impacts: 0.02 acres (0.02 acre of disturbed/developed areas, 0.01 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
COR-07	4 of 46	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to a vault work area north of Pole Z40582.
COR-08	4 of 46	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to Pole Z40583.
COR-09	33 & 35 of 46	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to the stringing site west of Pole Z44206.
COR-10	34 of 46	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to Miller Valley Staging/Fly Yard.

Workspace	Compare Map Number	Refinement	Need for Refinement
COR-11	44 of 46	Addition of a new temporary construction-only access road	The temporary construction-only access road is being added to allow equipment and vehicle access to Pole P41028.
Temporary Impacts: 0.17 acres (0.03 acre of disturbed/developed areas, 0.14 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
Distribution Pole P40845	37 of 46	• Removal of the distribution pole • Colocation of the 12 kilovolt (kV) circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40846	37 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40847	38 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40848	38 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40849	38 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40850	39 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40851	39 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40852	39 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40853	40 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40854	40 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40855	40 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40856	41 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40857	41 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40858	41 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40859	41 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.

Workspace	Compare Map Number	Refinement	Need for Refinement
Distribution Pole P40860	41 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P165714	41 & 42 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40861	42 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P40862	42 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P190371	42 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41025	42 & 43 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41026	44 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41027	44 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41028	44 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41029	44 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P4100073	44 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41030	44 & 45 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41031	45 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P41032	45 & 46 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P190479	45 & 46 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P190480	45 & 46 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P190481	45 & 46 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.
Distribution Pole P190484S	45 & 46 of 46	• Removal of the distribution pole • Colocation of the 12 kV circuit to the TL629E alignment	Based on landowner negotiations with the Campo Tribe of Diegueno Mission Indians, SDG&E agreed to colocate parts of the 12 kV system onto the rebuilt TL629E and remove the existing distribution poles, which reduces the number of utility structures in the area.

Workspace	Compare Map Number	Refinement	Need for Refinement
Temporary Impacts: 0.00 acres[3]			
Permanent Impacts: 0.00 acres			
GS-08	8 of 46	Addition of a temporary guard structure work area	Guard structure work areas have been added throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-09	8 of 46	Addition of a temporary guard structure work area	Guard structure work areas have been added throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-10	9 of 46	Relocation and enlargement of an approved guard structure work area	Guard structure workspaces have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-11	9 of 46	Relocation and enlargement of an approved guard structure work area	Guard structure workspaces have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-12	32 of 46	Addition of a temporary guard structure work area	Guard structure work areas have been added throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-13	33 & 35 of 46	Addition of a temporary guard structure work area	Guard structure work areas have been added throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-14	33 & 35 of 46	Addition of a temporary guard structure work area	Guard structure work areas have been added throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-15	37 of 46	Addition of a temporary guard structure work area	Guard structure work areas have been added throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
GS-16	44 of 46	Relocation and enlargement of an approved guard structure work area	Guard structure workspaces have been relocated and enlarged throughout the transmission alignments to better protect existing distribution and communication lines that cross the transmission line corridor, as well as to better protect traffic during installation and removal of conductor at road crossings.
Temporary Impacts: 0.23 acres (0.11 acre disturbed/developed areas, 0.01 acre of non-native grassland, 0.10 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
Miller Valley Staging/Fly Yard	34 of 46	Addition of a staging/fly yard, measuring approximately 2.29 acres	Currently on TL629E, there are no helicopter staging yards on the east side of the 500 kV line (Sunrise Power Link Line). The location of this yard will allow for helicopter operations to avoid transporting external loads over the 500 kV line.
Temporary Impacts: 2.29 acres (2.29 acres disturbed/developed areas)			
Permanent Impacts: 0.00 acres			
NR-16	3 of 46	Addition of a navigation access road.	The navigation access road is being added to allow equipment and vehicle access to the Kitchen Creek Fly Yard.

[3] Impacts associated with temporary workspaces for distribution pole removal are calculated in the Temporary Workspace section of this table.

Workspace	Compare Map Number	Refinement	Need for Refinement
NR-17	6 & 7 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P40630.
NR-18	11 to 19 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to existing maintained and construction-only roads.
NR-19	20 to 27 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to an existing maintained road and a stringing site.
NR-20	28 to 30 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to an existing maintained road and a stringing site.
NR-21	31 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole Z44197.
NR-22	39 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P40850.
NR-23	41 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to the meter pole north of Pole P250025.
NR-24	41 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole Z44226.
NR-25	42 & 43 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow equipment and vehicle access to Pole P190371.
NR-26	42 and 43 of 46	Addition of an existing navigation access road	The existing navigation access road is being added to allow vehicle turnaround.
Temporary Impacts: 0.02 acres (0.01 acre of pastureland/cultivated agriculture, 0.01 acres of disturbed/developed)[4]			
Permanent Impacts: 0.00 acres			
Pole P40630	6 of 46	Addition of a wood-to-steel replacement pole	Pole P40630 is being added as a wood-to-steel replacement for fire-hardening purposes.
Pole P165714	41 & 42 of 46	Addition of a wood-to-steel replacement pole	Pole P165714 is being added as a wood-to-steel replacement for fire-hardening purposes.
Pole P40863	43 of 46	Addition of a wood-to-steel replacement pole	Pole P40863 is being added as a wood-to-steel replacement for fire-hardening purposes.
Temporary Impacts: 0.00 acres[5]			
Permanent Impacts: 0.00 acres			
SS-06	1 of 46	Addition of a new stringing site measuring approximately 0.12 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-07	6 of 46	Addition of a new stringing site measuring approximately 0.09 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-08	6 of 46	Reconfiguration of the approved stringing site dimensions and size from approximately 0.11 acre to 0.14 acre	The stringing site was reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.

[4] Potential vegetation removal may be required at NR-16. No vegetation clearing or ground disturbance is required at the remainder of the navigation roads.
[5] Impacts associated with temporary workspaces for wood-to-steel replacement are calculated in the Temporary Workspace section of this table.

Workspace	Compare Map Number	Refinement	Need for Refinement
SS-09	27 of 46	Reconfiguration of the approved stringing site at Pole Z44186, measuring approximately 0.11 acre, into two separate stringing sites, of which SS-09 is approximately 0.10 acre	The stringing site was realigned and reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-10	27 of 46	Reconfiguration of the approved stringing site at Pole Z44186, measuring approximately 0.11 acre, into two separate stringing sites, of which SS-10 is approximately 0.09 acre	The stringing site was realigned and reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-11	30 of 46	Reconfiguration of the approved stringing site dimensions and size from approximately 0.22 acre to 0.06 acre	The stringing site was reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-12	30 of 46	Addition of a new stringing site measuring approximately 0.08 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-84	33 of 46	Addition of a new stringing site measuring approximately 0.08 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-13	33 & 35 of 46	Addition of a new stringing site measuring approximately 0.07 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-14	35 of 46	Reconfiguration of the approved stringing site dimensions and size from approximately 0.06 acre to 0.08 acre	The stringing site was reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-15	38 of 46	Addition of a new stringing site measuring approximately 0.07 acre	The stringing site was reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operation complications and conductor damage.
SS-16	38 & 39 of 46	Addition of a new stringing site measuring approximately 0.04 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operations complications and conductor damage.
SS-17	39 of 46	Addition of a new stringing site measuring approximately 0.04 acre	The stringing site was added to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the stringing site better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operations complications and conductor damage.
SS-18	45 & 46 of 46	Reconfiguration of the approved stringing site dimensions and size from approximately 0.21 acre to 0.62 acre	The stringing site was reconfigured to better align with the final engineering of terminal dead ends and provide more adequate pulling tensions. Additionally, the realignment and reconfiguration of the stringing sites better aligns with the transmission line, which reduces pulling tensions and helps prevent potential stringing operations complications and conductor damage.
Temporary Impacts: 1.06 acres (0.32 acre of disturbed/developed areas, 0.23 acre of non-native grassland, 0.51 acre native vegetation)			
Permanent Impacts: 0.00 acres			
TW-29	1 of 46	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P192945.
TW-30	1 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and vehicle turnaround to Pole Z40572.
TW-31	1 of 46	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate crane setup and safely conduct pole work at Pole Z40572.

Workspace	Compare Map Number	Refinement	Need for Refinement
TW-32	1 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate equipment and vehicle turnaround to Pole Z40572.
TW-33	6 of 46	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work, accommodate equipment, and replace the pole at Pole P40630.
TW-34	6 of 46	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P40631.
TW-35	35 of 46	Addition of a new temporary workspace	The temporary workspace is being added to conduct pole top work at Pole P165951.
TW-36	37 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40845.
TW-37	37 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40846.
TW-38	38 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40847.
TW-39	38 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40848.
TW-40	38 & 39 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40849.
TW-41	39 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40850.
TW-42	39 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40851.
TW-43	39 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40852.
TW-44	40 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40853.
TW-45	40 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40854.
TW-46	40 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40855.
TW-47	41 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40856.
TW-48	41 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40857.
TW-49	41 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40858.
TW-50	41 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P40859.
TW-51	41 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate pole top work on the meter pole.
TW-52	41 of 46	Reconfiguration of a temporary workspace	The reconfiguration of the temporary workspace is due to new discovery constraints at Pole Z44226 and will follow the approved work plan upon completion of cultural eligibility testing at this site.
TW-53	41 & 42 of 46	Addition of a new temporary workspace	The temporary workspace is being added to wood-to-steel replacement of Pole P165714.
TW-54	42 & 43 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P41025.
TW-55	43 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate wood-to-steel replacement of Pole P40863.
TW-56	44 of 46	Addition of a new temporary workspace	The temporary workspace is being added to accommodate removal of the distribution Pole P4100073.
TW-57	45 of 46	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate undergrounding work to the Crestwood Substation.
TW-58	45 & 46 of 46	Enlargement of an approved temporary workspace	The temporary workspace is being enlarged to accommodate undergrounding work to the Crestwood Substation.
Temporary Impacts: 0.60 acres (0.27 disturbed/developed areas, 0.05 acre of non-native grassland, 0.28 acre of native vegetation)			

Workspace	Compare Map Number	Refinement	Need for Refinement
Permanent Impacts: 0.00 acres			
TWE-09	3 of 46	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment and provide safe access to the Kitchen Creek Staging Yard.
TWE-10	5 of 46	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate vehicle and equipment parking for Pole Z40585.
TWE-11	9 of 46	Addition of a new temporary work entry area	The temporary work entry area is being added to provide access to an existing navigation access road.
TWE-12	27 of 46	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment and vehicle turnaround near Pole Z44185.
TWE-13	33 of 46	Addition of a new temporary work entry area	The temporary work entry area is being added to accommodate equipment as well as provide vehicle turnaround and access to stringing sites near Pole Z44205.
TWE-14	45 of 46	Addition of a new temporary work entry area	The temporary work entry area is being added to minimize potential traffic flow impacts into the Golden Acorn Casino during undergrounding activities at the Crestwood Substation.
Temporary Impacts: 0.66 acres (0.34 acre of disturbed/developed areas, 0.30 acre of native vegetation, and 0.02 acre of pastureland/agriculture)			
Permanent Impacts: 0.00 acres			
Undergrounding-01	45 of 46	Realignment of underground trench	The underground trench was realigned to facilitate undergrounding distribution cable to the Crestwood Substation.
Temporary Impacts: 0.00 acres[6]			
Permanent Impacts: 0.00 acres			
Vault-01	4 of 46	Addition of a new temporary vault workspace	The temporary vault workspace is being added to accommodate equipment and replace underground distribution cable.
Temporary Impacts: 0.02 acres (0.02 acre of native vegetation)			
Permanent Impacts: 0.00 acres			
TL629E Total Temporary Impacts: 5.05 acres (3.36 acres of disturbed/developed areas, 0.31 acre of non-native grassland, 0.02 acre of pastureland/cultivated agriculture, and 1.67 acres of native vegetation)			
TL629E Total Permanent Impacts: 0.00 acres			

[6] Impacts associated with temporary workspaces for undergrounding are calculated in the Temporary Workspace section of this table.

Table 2: Project Impacts Table

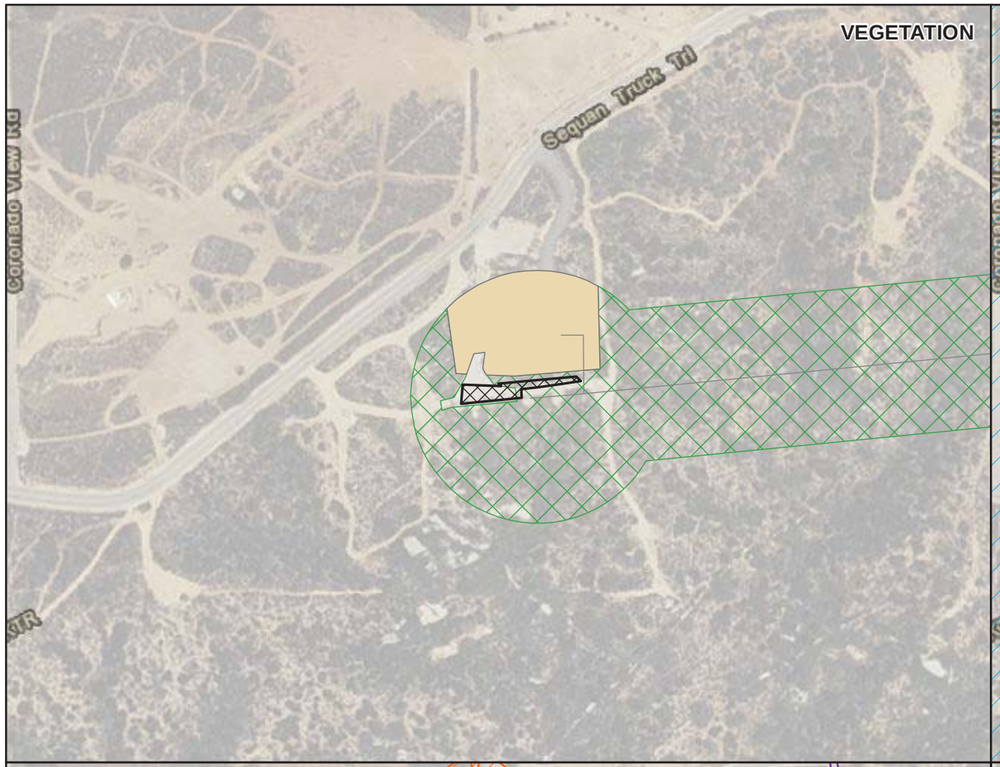
Temporary Impact Location	Native Vegetation (Acres)		Non-Native Grassland (Acres)		Agricultural/Disturbed/ Developed/Bare Ground (Acres)	
	TL625B	TL629E	TL625B	TL629E	TL625B	TL629E
Pole Work Areas	0.27	0.28	0.00	0.05	0.25	0.27
Temporary Work Entry	0.16	0.30	0.00	0.02	0.002	0.36
Stringing Sites	0.44	0.51	0.04	0.23	0.07	0.32
Guard Structures	0.08	0.10	0.00	0.01	0.02	0.11
Guy Anchors	0.02	0.01	0.00	0.00	0.01	0.004
Access Roads[7]	0.30	0.14	0.01	0.00	0.13	0.03
Construction Yards						
Miller Valley	0.00		0.00		2.29	
Sweetwater	0.01		0.00		0.35	
Japatul	0.00		0.00		0.42	
Project Total to Date[8]	10.95		6.96		35.13	

[7] SDG&E uses three types of access roads: maintained, navigation, construction only. Construction only access roads can sometimes require improvements and maintenance, which creates temporary impacts to vegetation.

[8] The total temporary acreage for the Project includes this MPR as well as Revised NTP #1, the Work Space Update for TL629E submitted on October 14, 2016, MPR #1, and pending NTP #2.

ATTACHMENT B: SURVEY AREA MAP

VEGETATION



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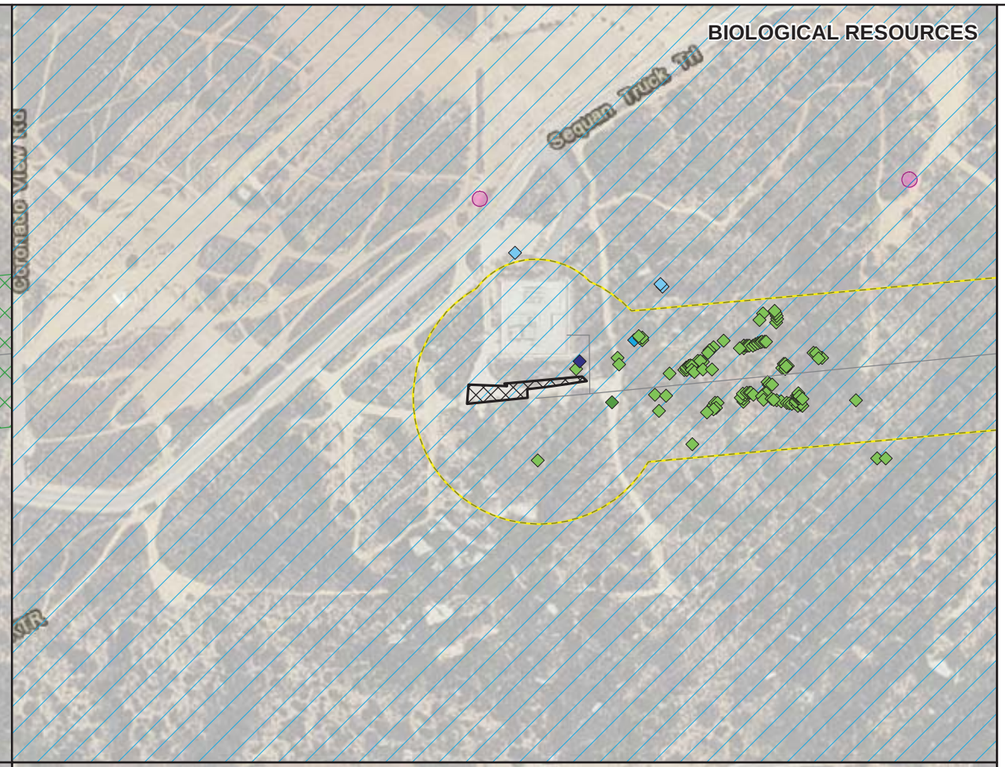
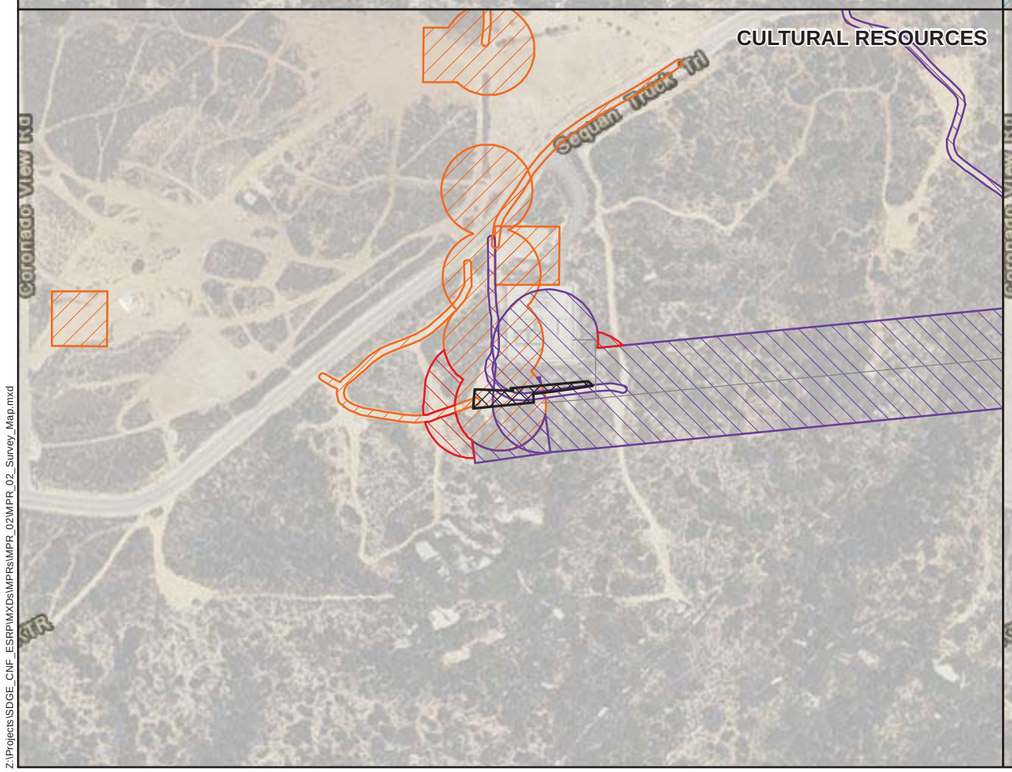
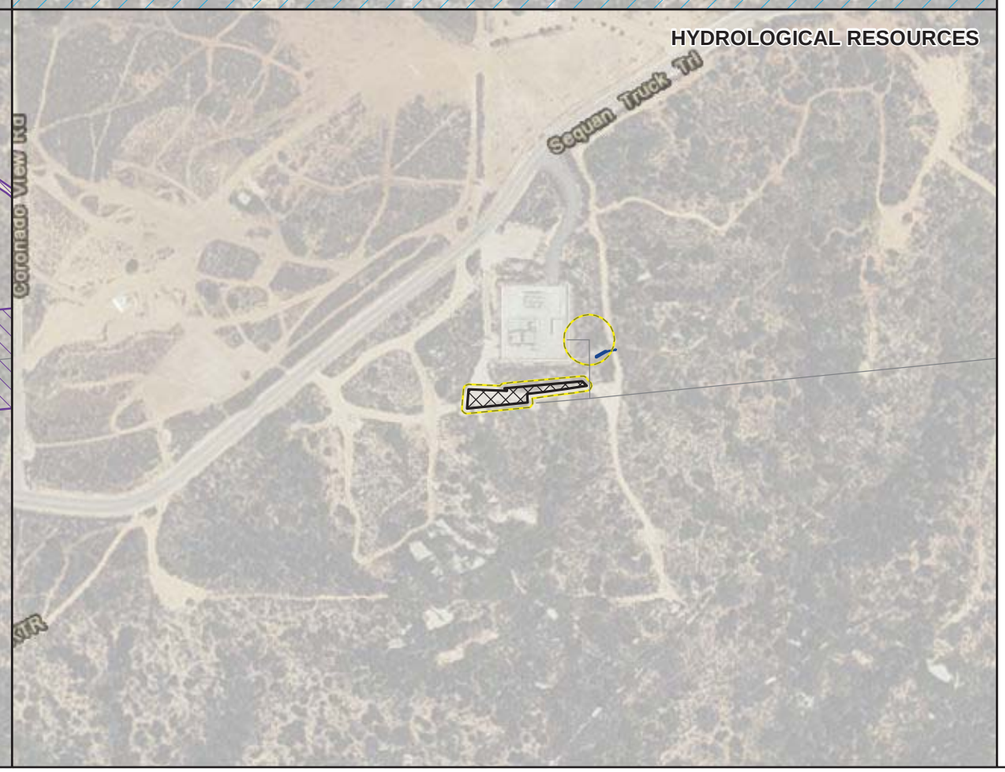


CULTURAL RESOURCES



HYDROLOGICAL RESOURCES



Attachment B: Survey Area Map
TL625B Map 1 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2009

2011

2016

Vegetation

Diegan Coastal Sage Scrub

Urban and Developed/Ornamental Landscaping

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

Bahiopsis laciniata

Brodiaea orcuttii

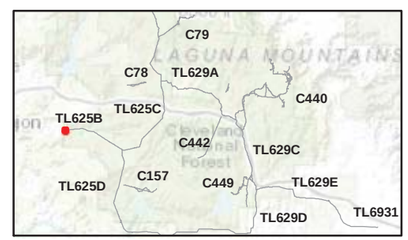
Calandrinia breweri

Piperia cooperi

Plantago erecta

Hydrological Resources

Drainage Feature



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Attachment B: Survey Area Map
TL625B Map 2 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Diegan Coastal Sage Scrub

Mixed Oak Woodland

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

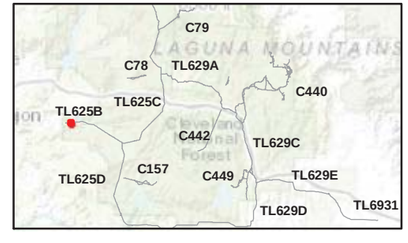
Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

Piperia cooperi

Hydrological Resources

Drainage Feature



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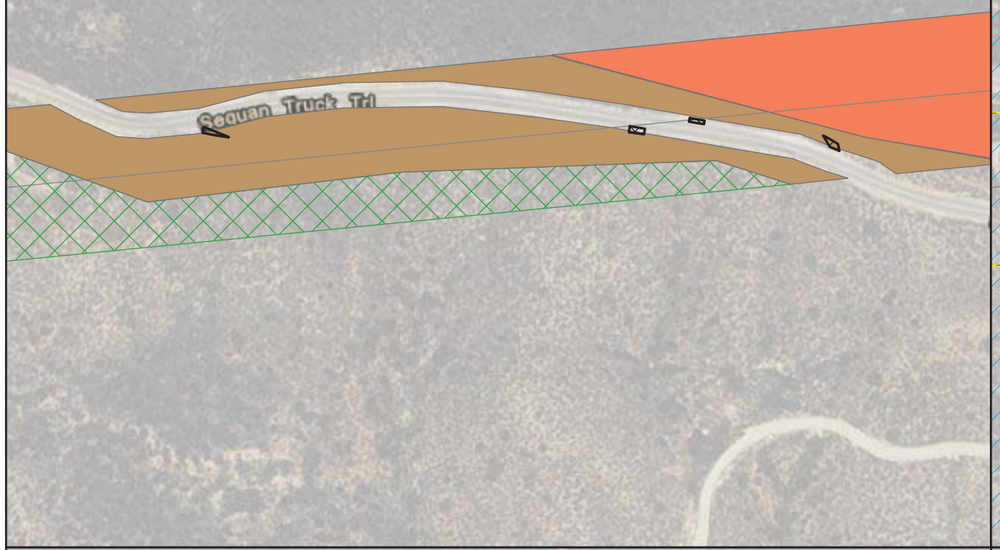
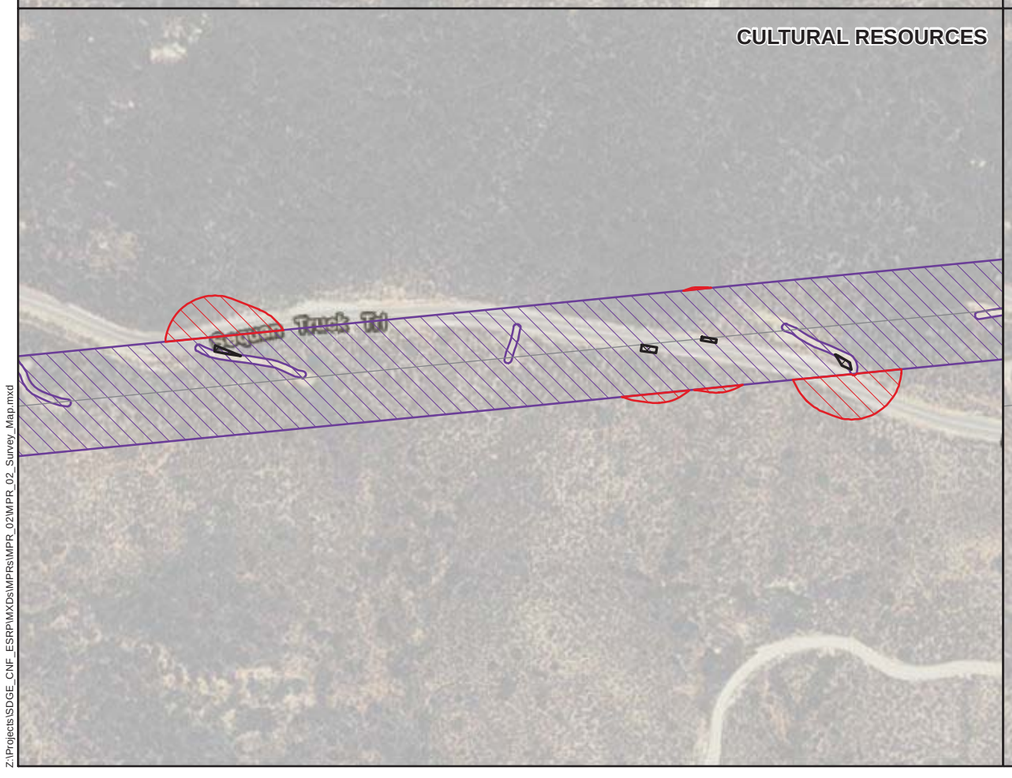
VEGETATION



BIOLOGICAL RESOURCES

CULTURAL RESOURCES



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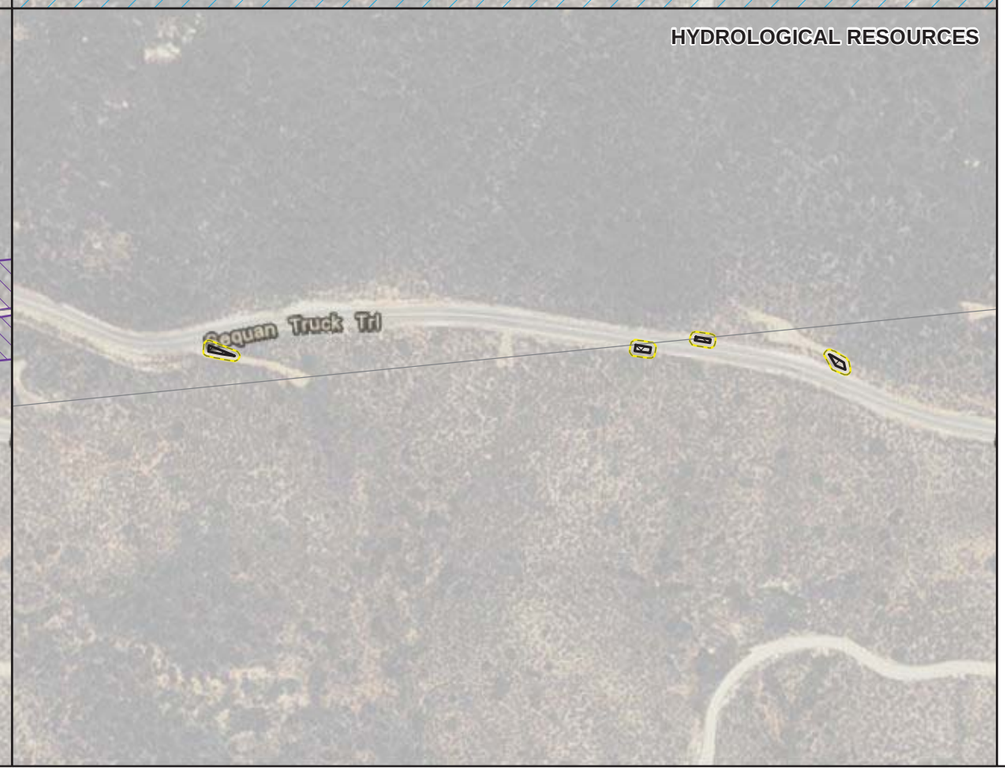


Attachment B: Survey Area Map
TL625B Map 3 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Diegan Coastal Sage Scrub

Mixed Oak Woodland

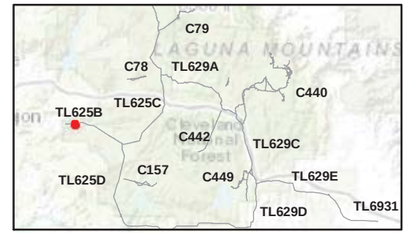
Southern Mixed Chaparral

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (points)

Piperia cooperi



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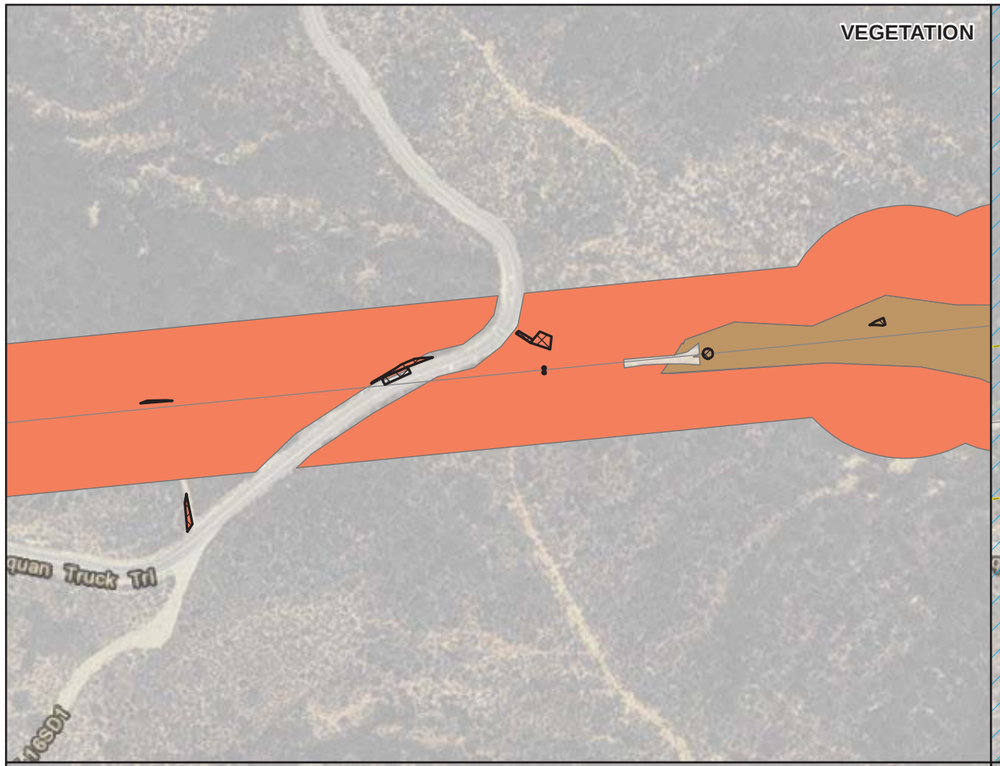
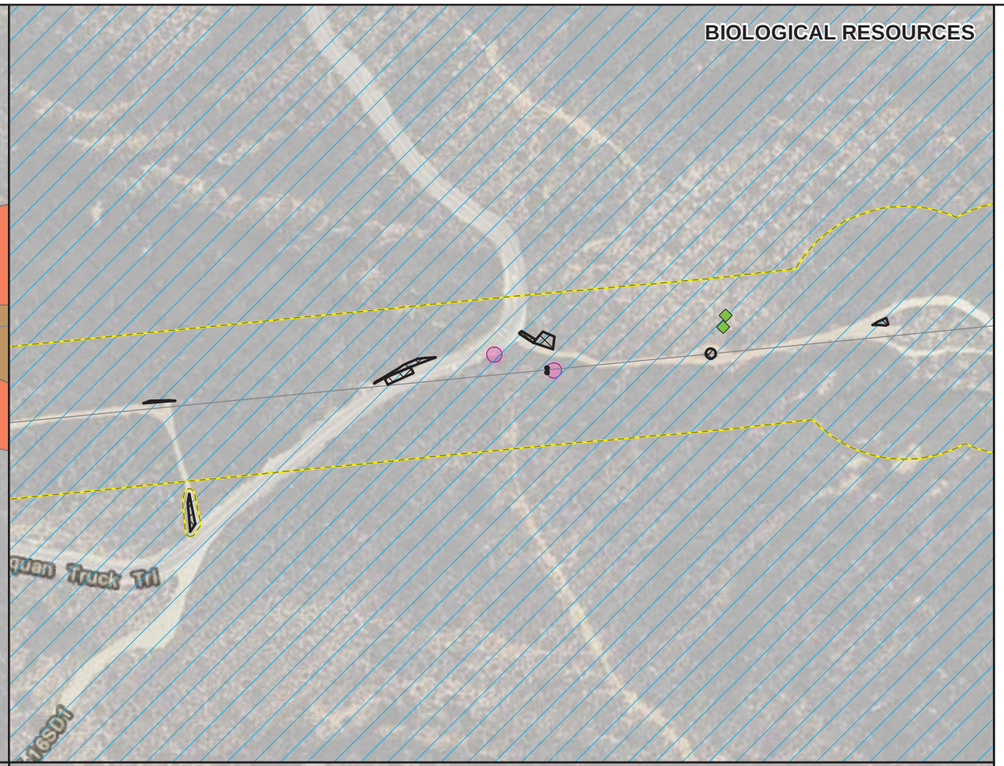
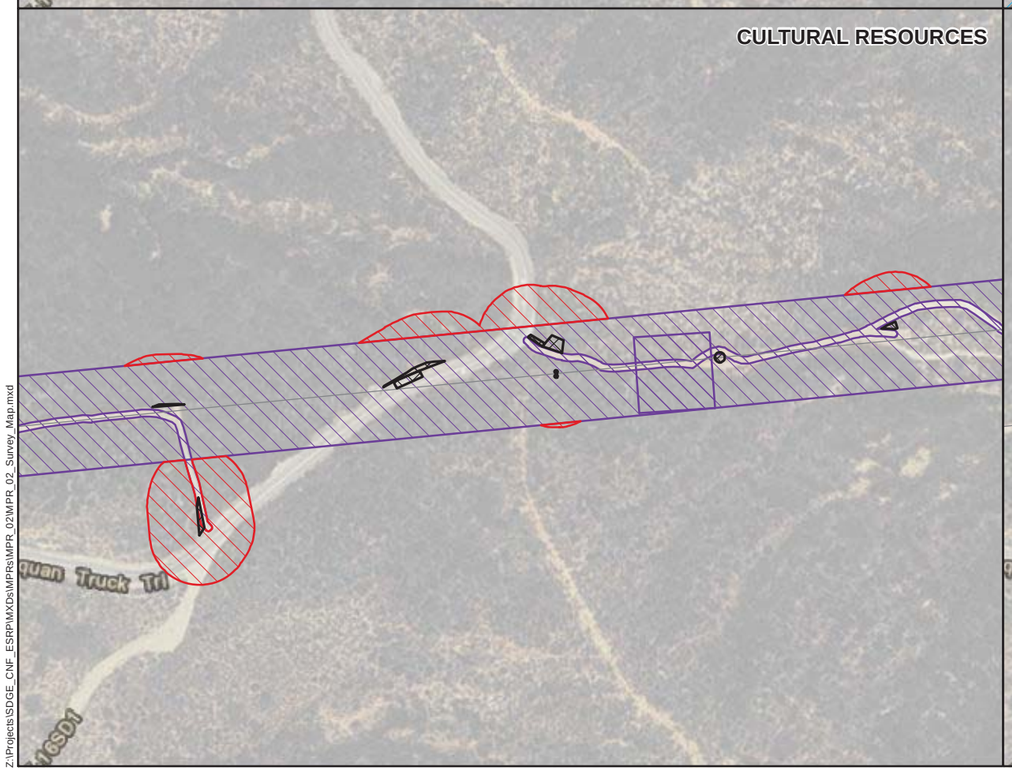
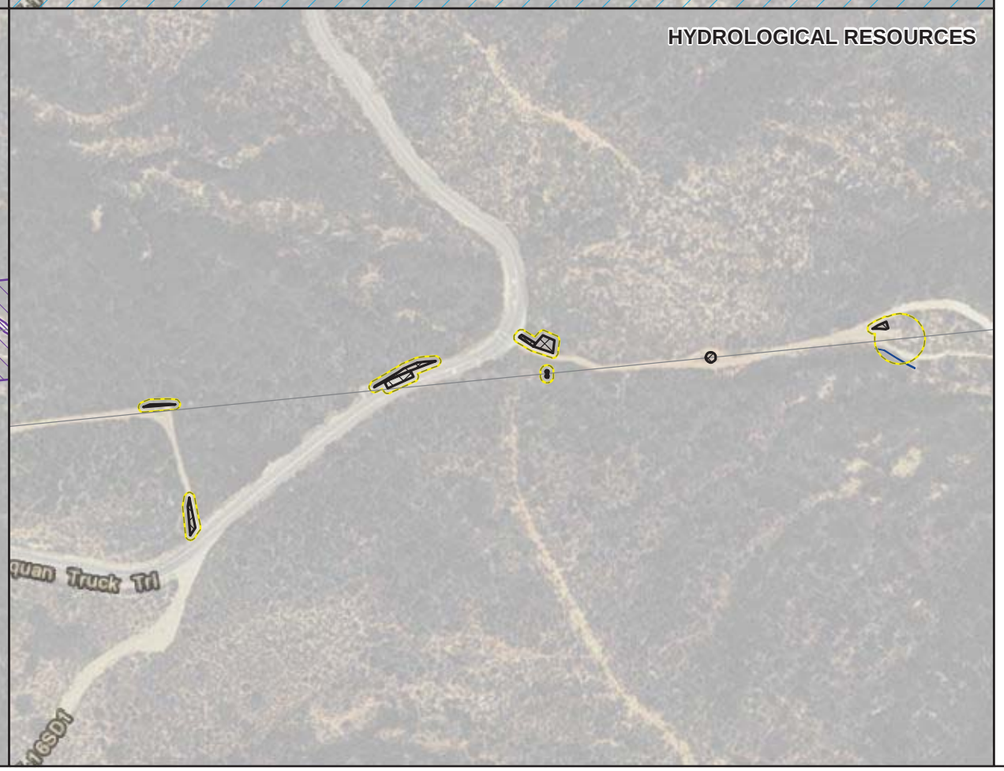








Attachment B: Survey Area Map
TL625B Map 4 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Mixed Oak Woodland

Southern Mixed Chaparral

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

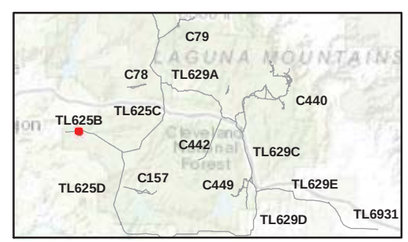
Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

Machaeranthera juncea

Hydrological Resources

Drainage Feature



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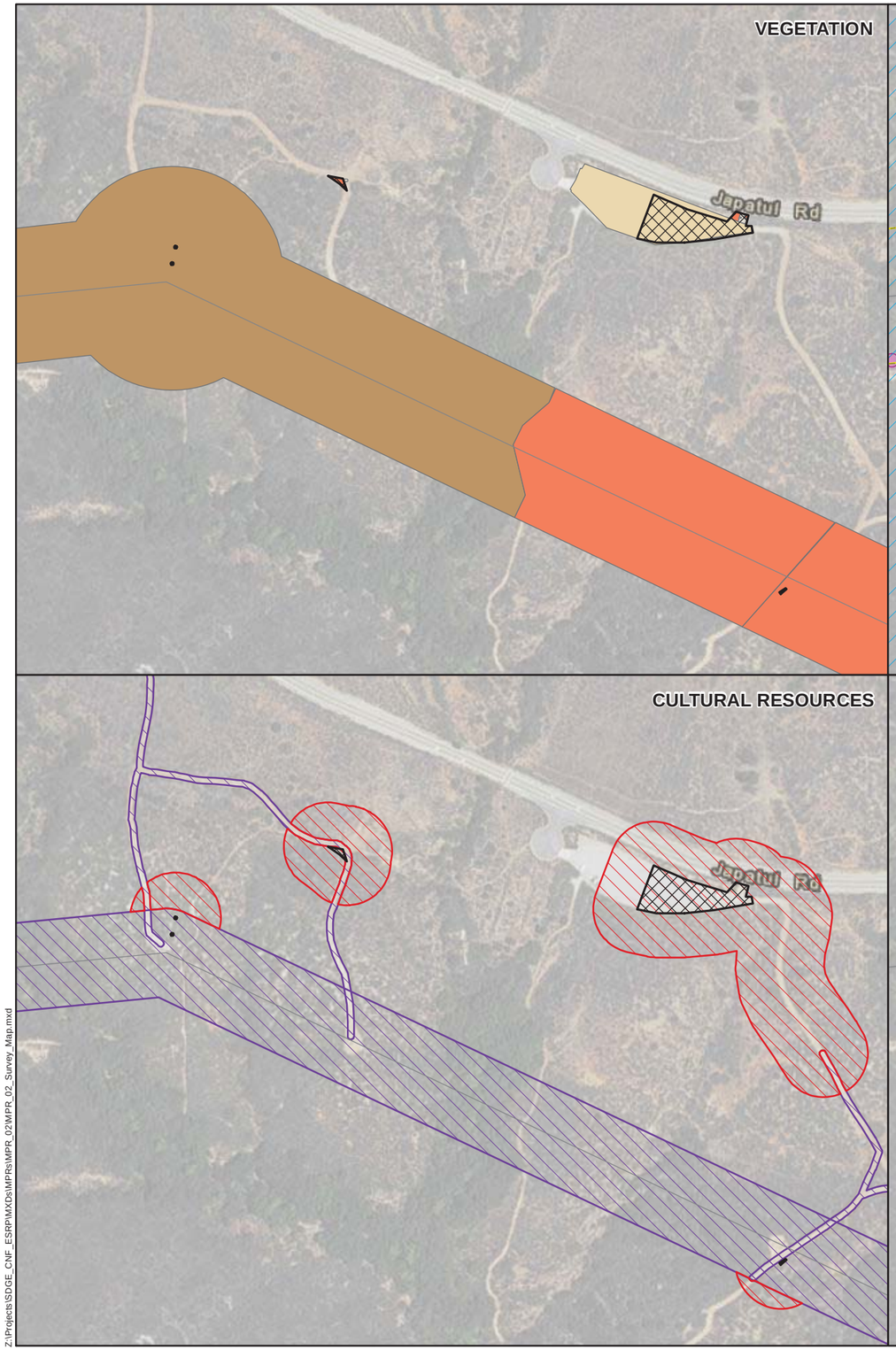
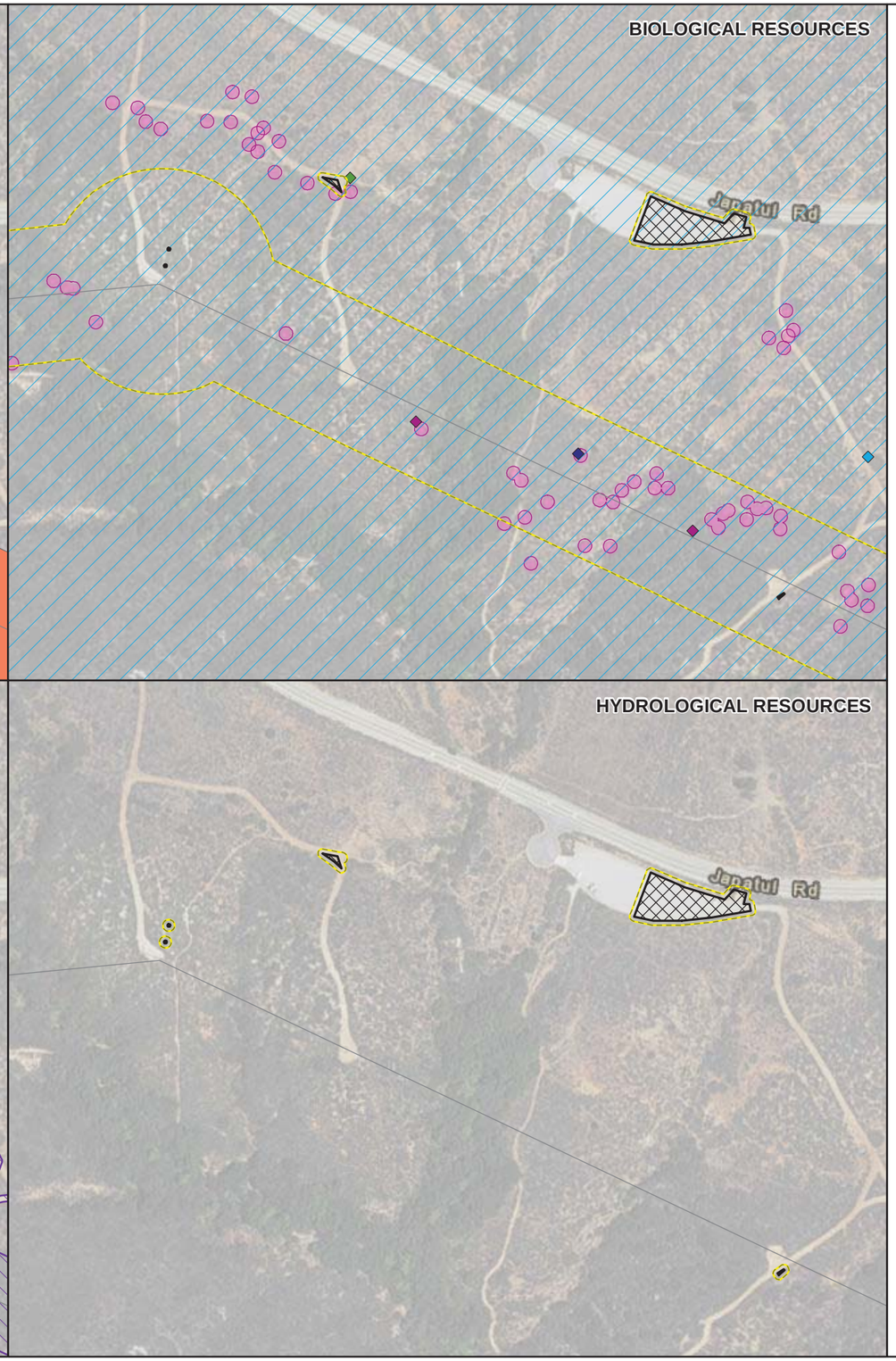
Attachment B: Survey Area Map
TL625B Map 5 of 14

Cleveland National Forest
Power Line Replacement Projects





MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Mixed Oak Woodland

Southern Mixed Chaparral

Urban and Developed/Ornamental Landscaping

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Rhamnus crocea

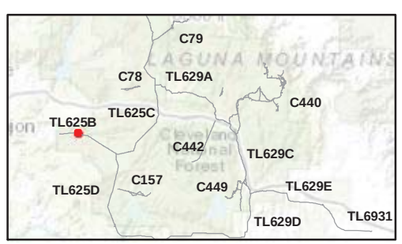
Rare Plants/Sensitive Butterfly Host Plants (points)

Bahiopsis laciniata

Piperia cooperi

Plantago erecta

Rhamnus crocea



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Attachment B: Survey Area Map
TL625B Map 6 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Diegan Coastal Sage Scrub

Freshwater Seep/Open Water

Mixed Oak Woodland

Native Grassland

Southern Mixed Chaparral

Southern Riparian Forest

Critical Habitat

Arroyo Toad Critical Habitat

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

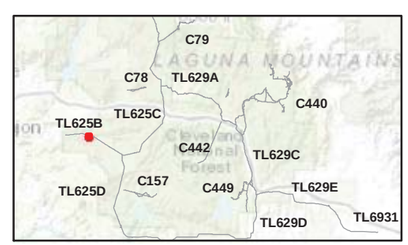
Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

Bahiopsis laciniata

Clarkia delicata

Hulsea californica



SDGE A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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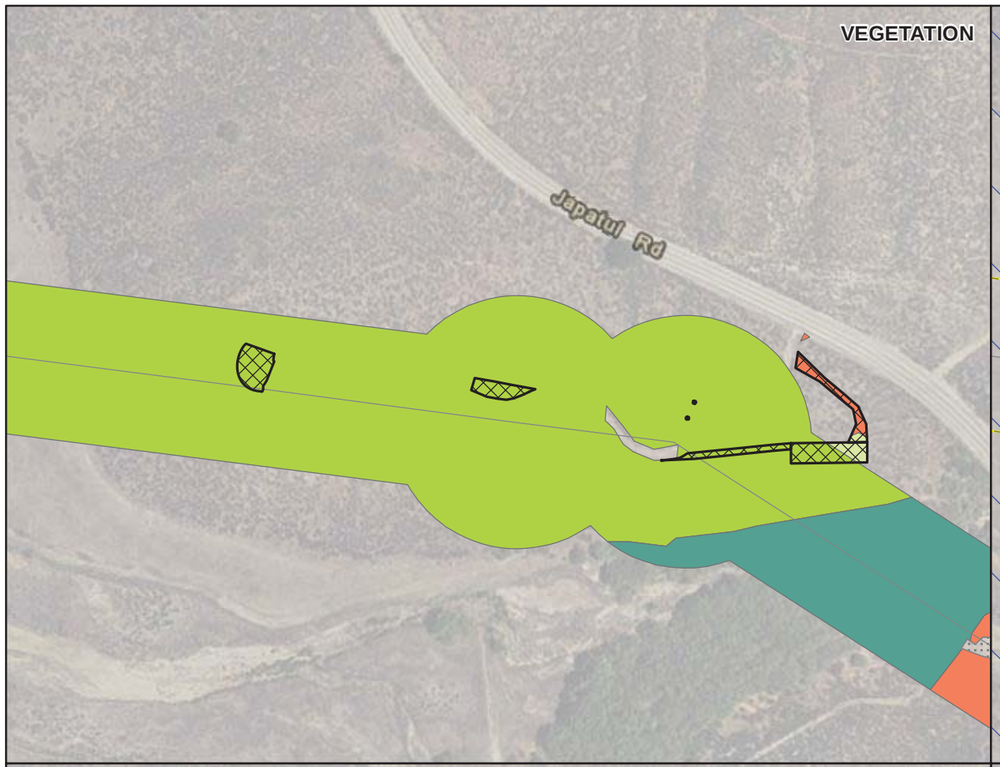
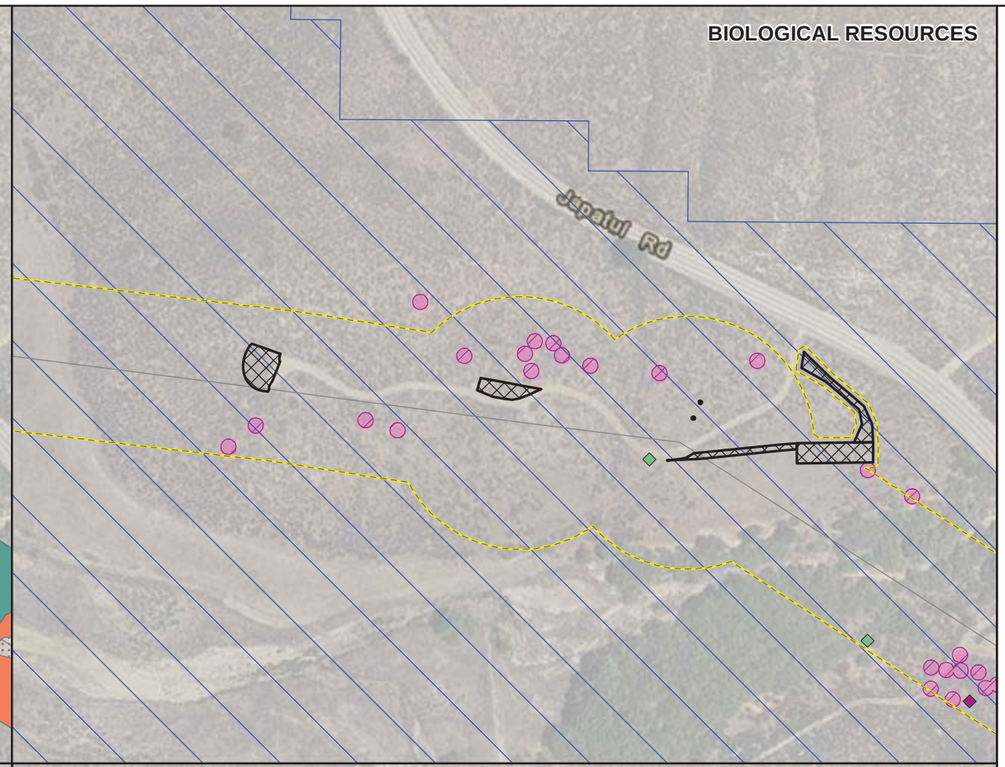
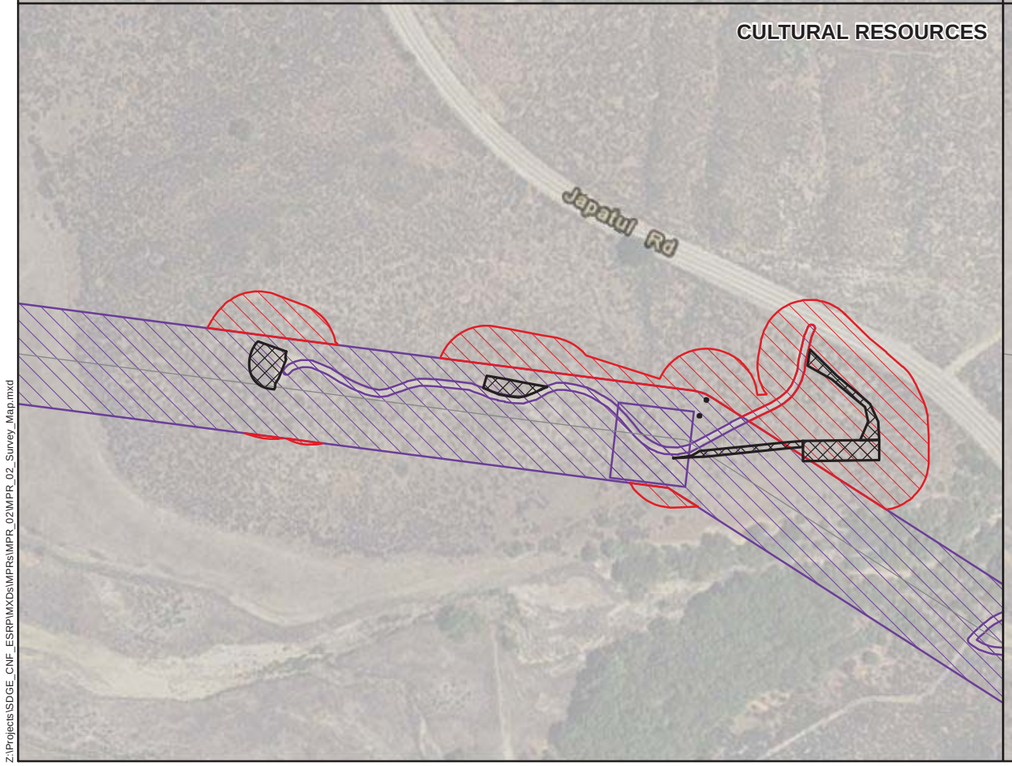
VEGETATION



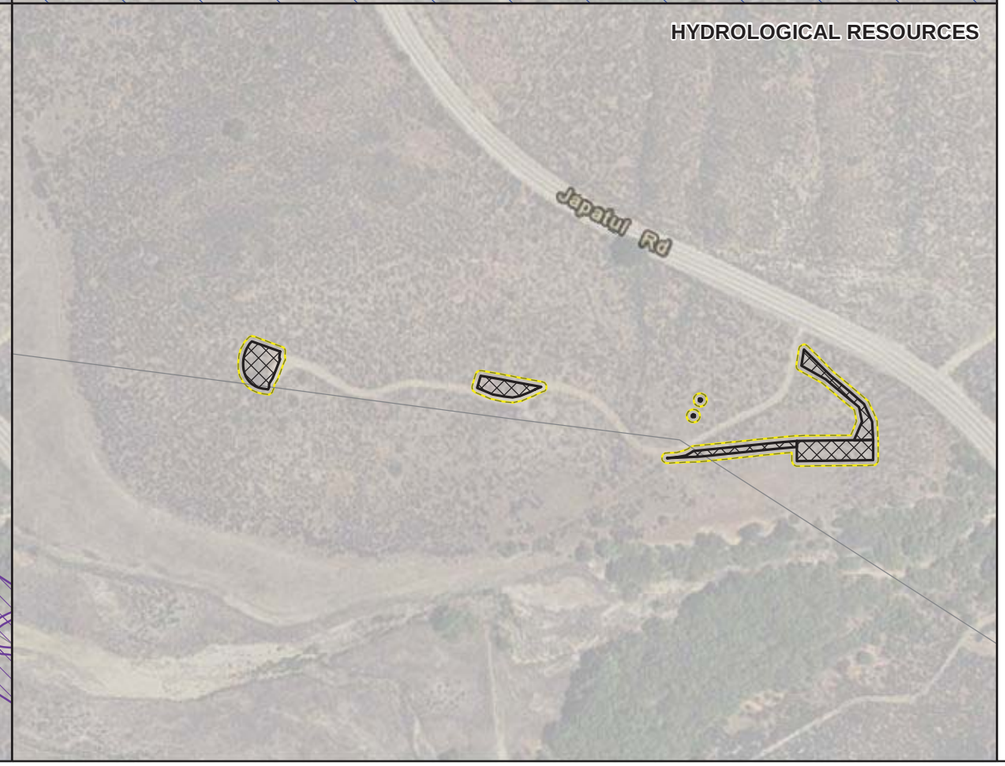
BIOLOGICAL RESOURCES



CULTURAL RESOURCES



HYDROLOGICAL RESOURCES



Attachment B: Survey Area Map
TL625B Map 7 of 14

Cleveland National Forest
Power Line Replacement Projects

- MPR #2 Work Area
- Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year
- 2011
- 2016

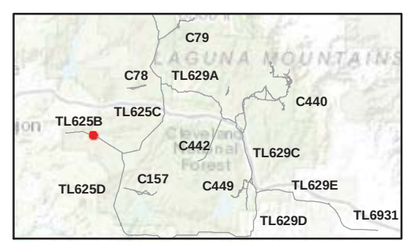
Vegetation
- Native Grassland
- Non-Native Grassland
- Southern Mixed Chaparral
- Southern Riparian Forest
- Disturbed (Ruderal/Barren)

Critical Habitat
- Arroyo Toad Critical Habitat

Suitable Butterfly Habitat
- Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)
- Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)
- Clarkia delicata
- Rhamnus crocea



SDGE A Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Japatul Rd

Attachment B: Survey Area Map
TL625B Map 8 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Mixed Oak Woodland

Southern Mixed Chaparral

Disturbed (Ruderal/Barren)

Critical Habitat

Arroyo Toad Critical Habitat

Suitable Butterfly Habitat

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

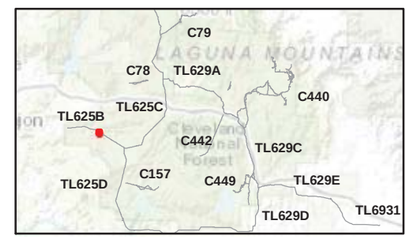
Bahiopsis laciniata

Hulsea californica

Opuntia engelmannii var. engelmannii

Piperia cooperi

Rhamnus crocea



SDGE A Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Abrams Ridge Rd

Attachment B: Survey Area Map
TL625B Map 9 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Chamise Chaparral

Mixed Oak Woodland

Oak Savanna

Southern Mixed Chaparral

Urban and Developed/Ornamental Landscaping

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

Bahiopsis laciniata

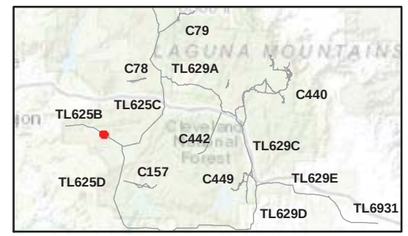
Calochortus dunnii

Clarkia delicata

Hulsea californica

Hydrological Resources

Drainage Feature



SDGE A Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Attachment B: Survey Area Map
TL625B Map 10 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Chamise Chaparral

Mixed Oak Woodland

Oak Savanna

Pastureland/Cultivated Agriculture

Southern Mixed Chaparral

Urban and Developed/Ornamental Landscaping

Disturbed (Ruderal/Barren)

Rare Plants/Sensitive Butterfly Host Plants (points)

Bahiopsis laciniata

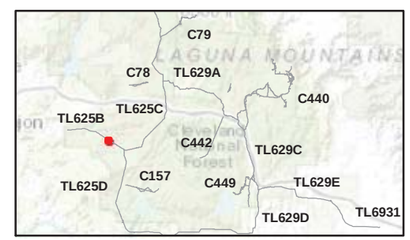
Calochortus dunnii

Clarkia delicata

Rhamnus crocea

Hydrological Resources

Drainage Feature



SDGE A Sempra Energy utility

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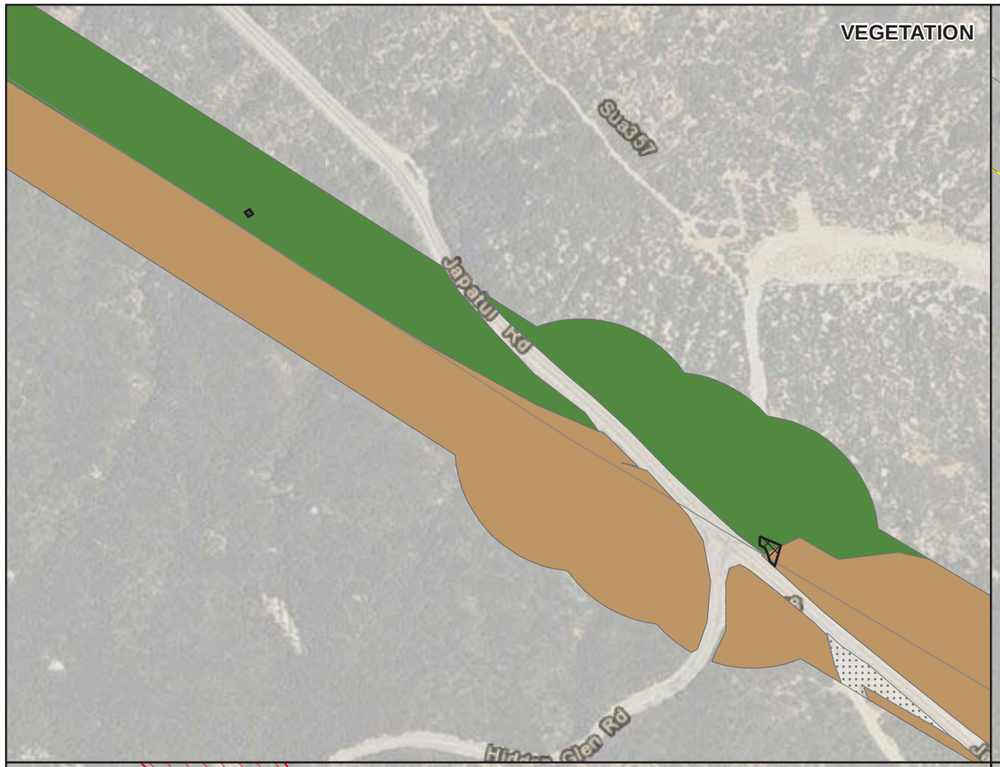
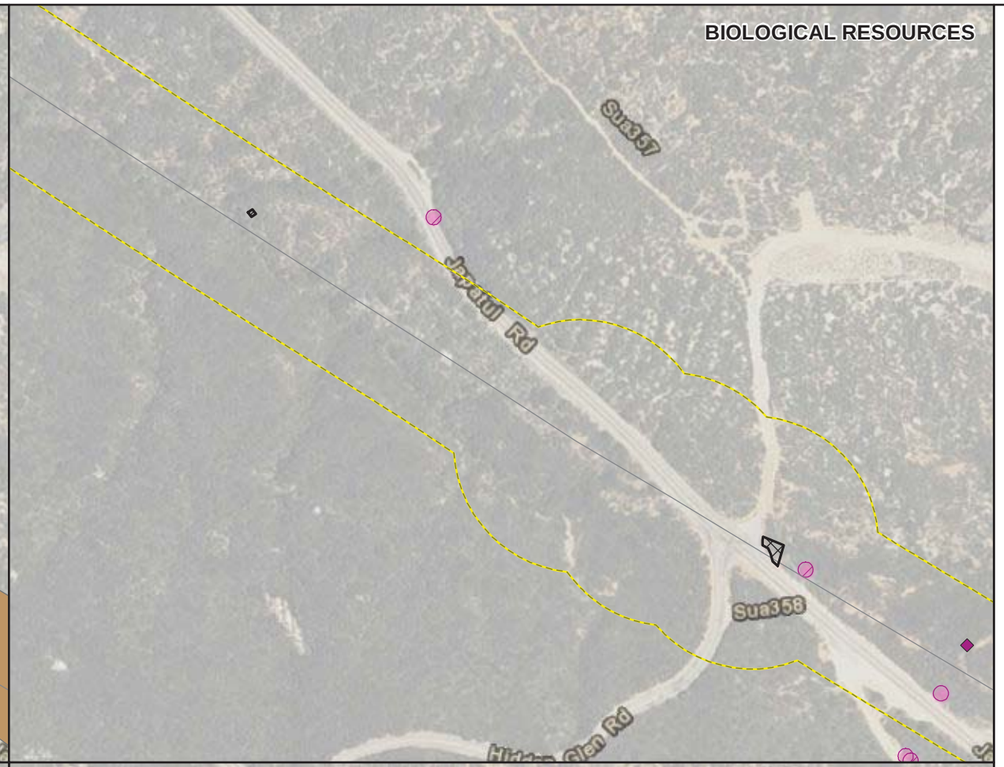
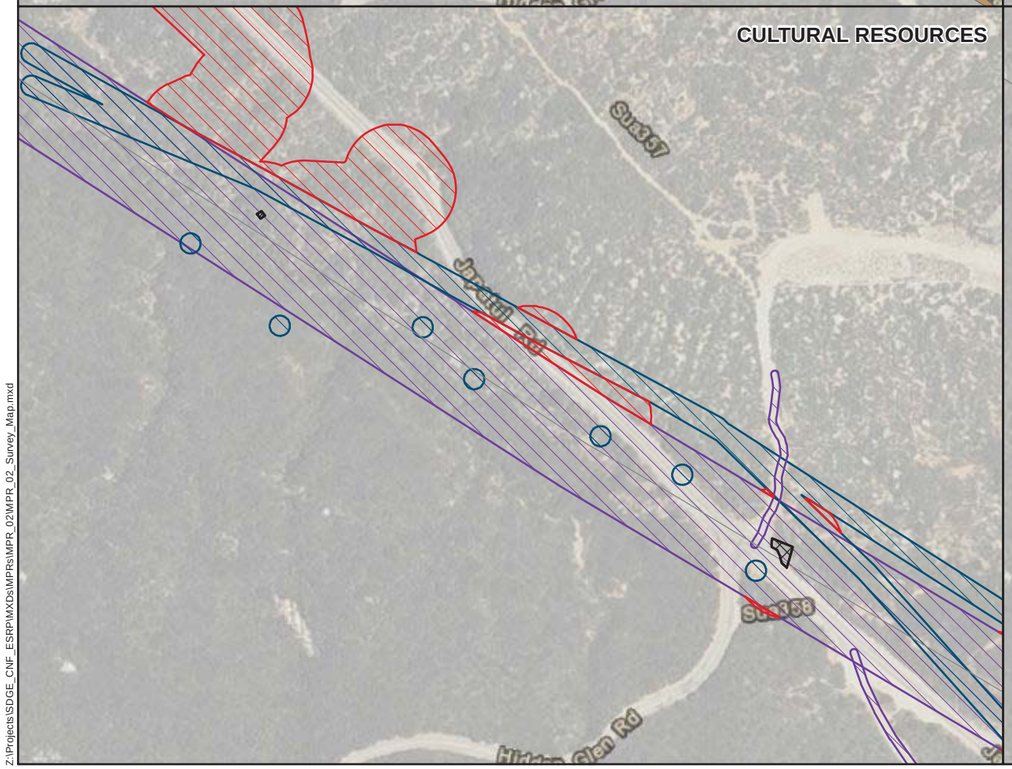
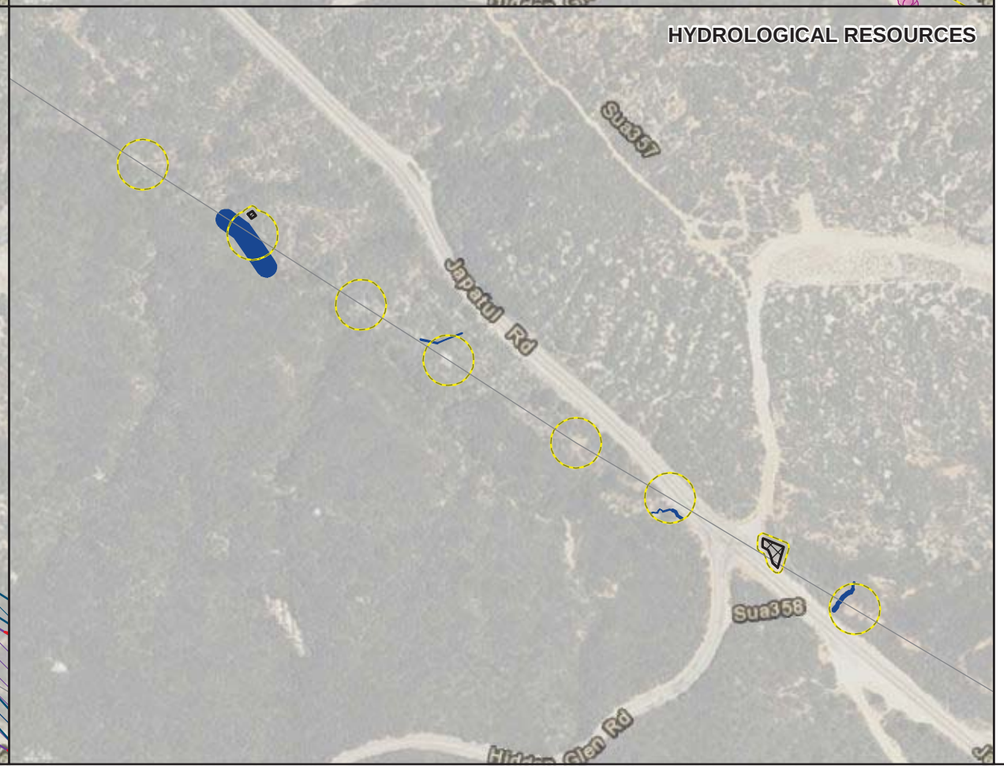








Attachment B: Survey Area Map
TL625B Map 11 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2011

2016

Vegetation

Chamise Chaparral

Mixed Oak Woodland

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Hermes Copper Butterfly Suitable Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

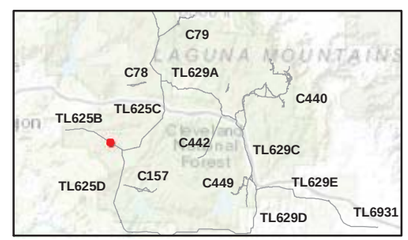
Rhamnus crocea

Rare Plants/Sensitive Butterfly Host Plants (points)

Rhamnus crocea

Hydrological Resources

Drainage Feature



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Attachment B: Survey Area Map
TL625B Map 12 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2011

2016

Vegetation

Chamise Chaparral

Mixed Oak Woodland

Pastureland/Cultivated Agriculture

Southern Mixed Chaparral

Urban and Developed/Ornamental Landscaping

Disturbed (Ruderal/Barren)

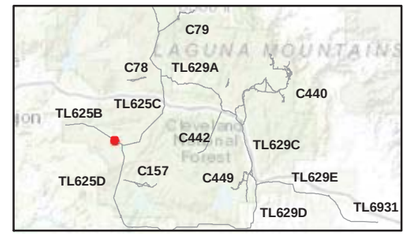
Rare Plants/Sensitive Butterfly Host Plants (points)

Clarkia delicata

Rhamnus crocea

Hydrological Resources

Drainage Feature



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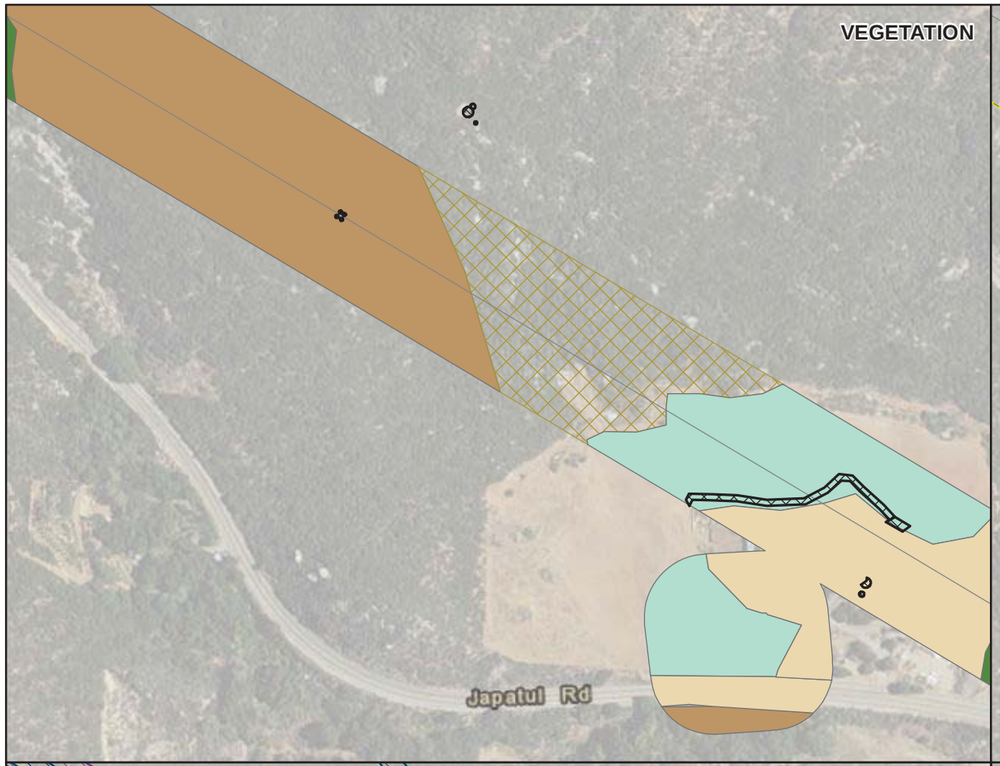
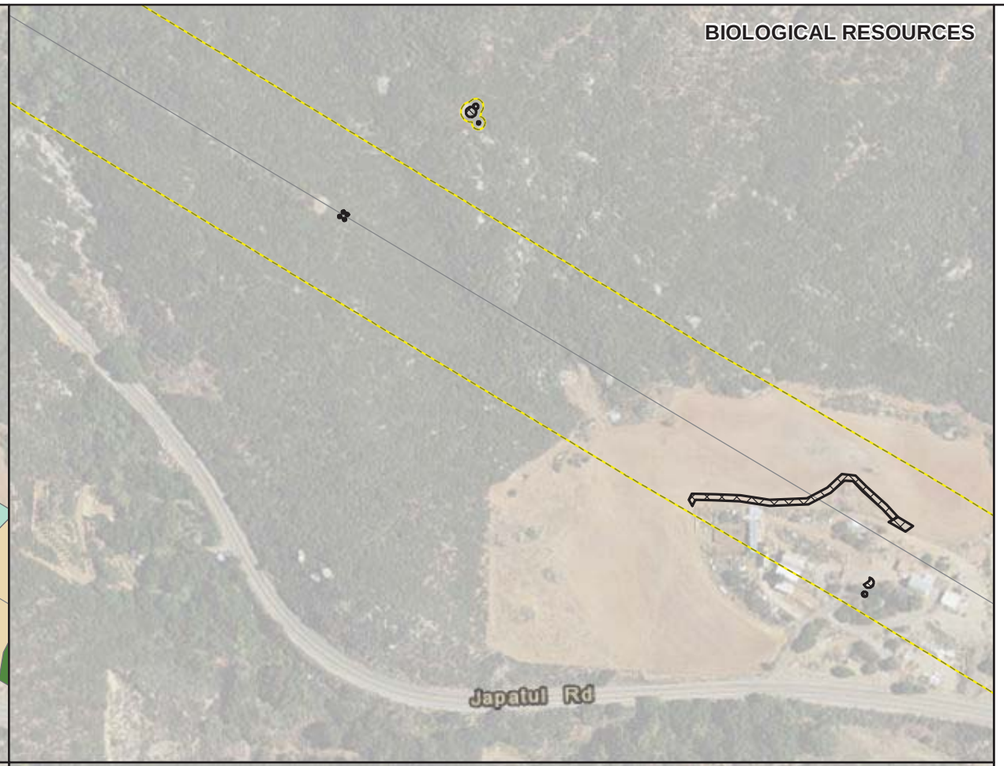
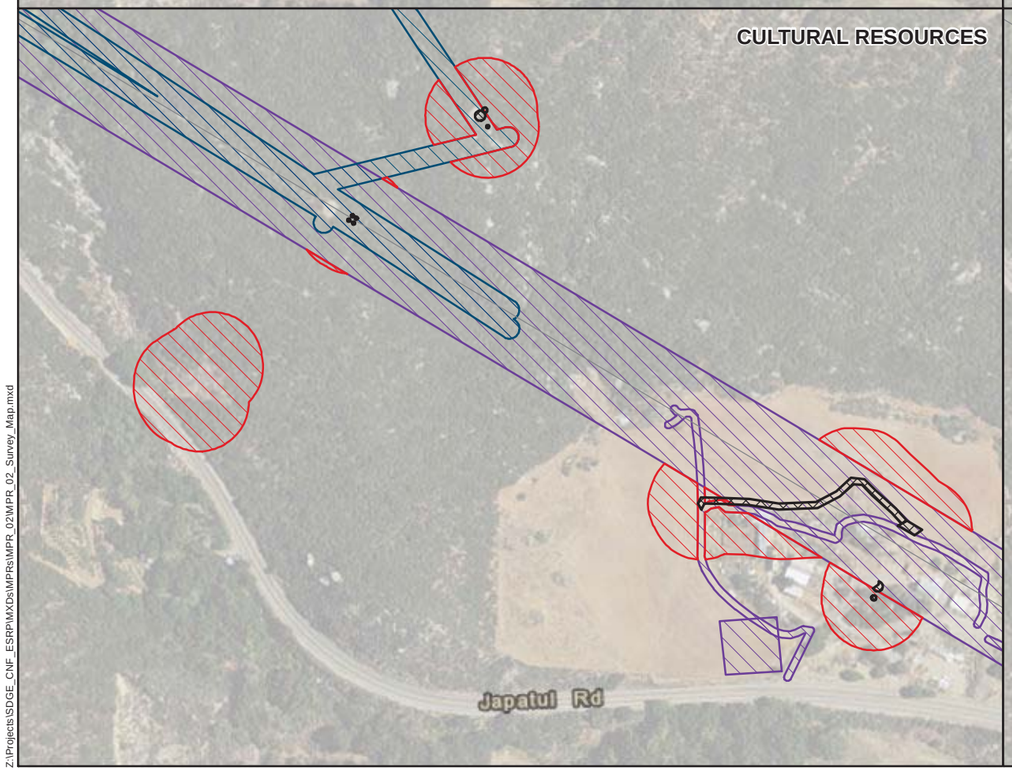
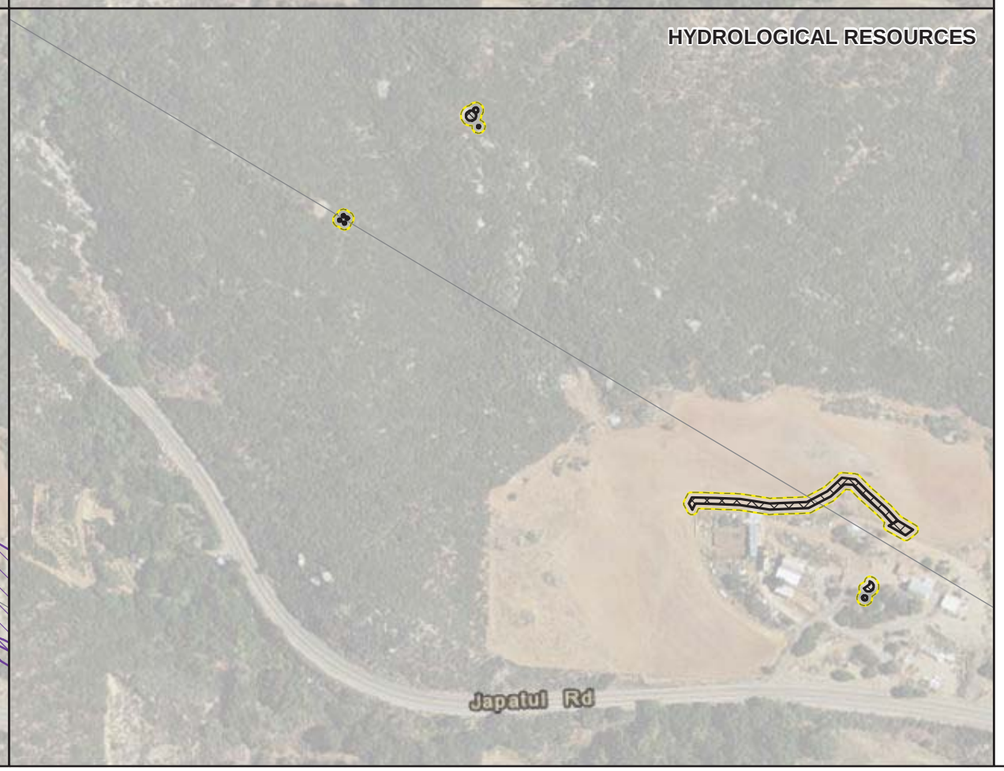








Attachment B: Survey Area Map
TL625B Map 13 of 14

Cleveland National Forest
Power Line Replacement Projects

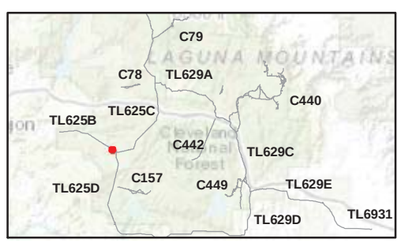
- MPR #2 Work Area
- Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

- 2008
- 2011
- 2016

Vegetation

- Chamise Chaparral
- Mixed Oak Woodland
- Oak Savanna
- Pastureland/Cultivated Agriculture
- Southern Mixed Chaparral
- Urban and Developed/Ornamental Landscaping
- Disturbed (Ruderal/Barren)



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Japatul Rd

Old Japatul Rd

Attachment B: Survey Area Map
TL625B Map 14 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2009

2011

2016

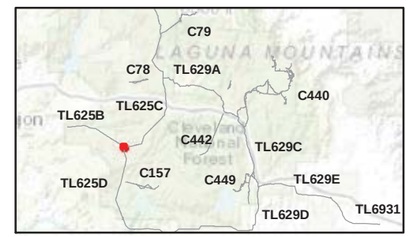
Vegetation

Chamise Chaparral

Diegan Coastal Sage Scrub

Pastureland/Cultivated Agriculture

Urban and Developed/Ornamental Landscaping



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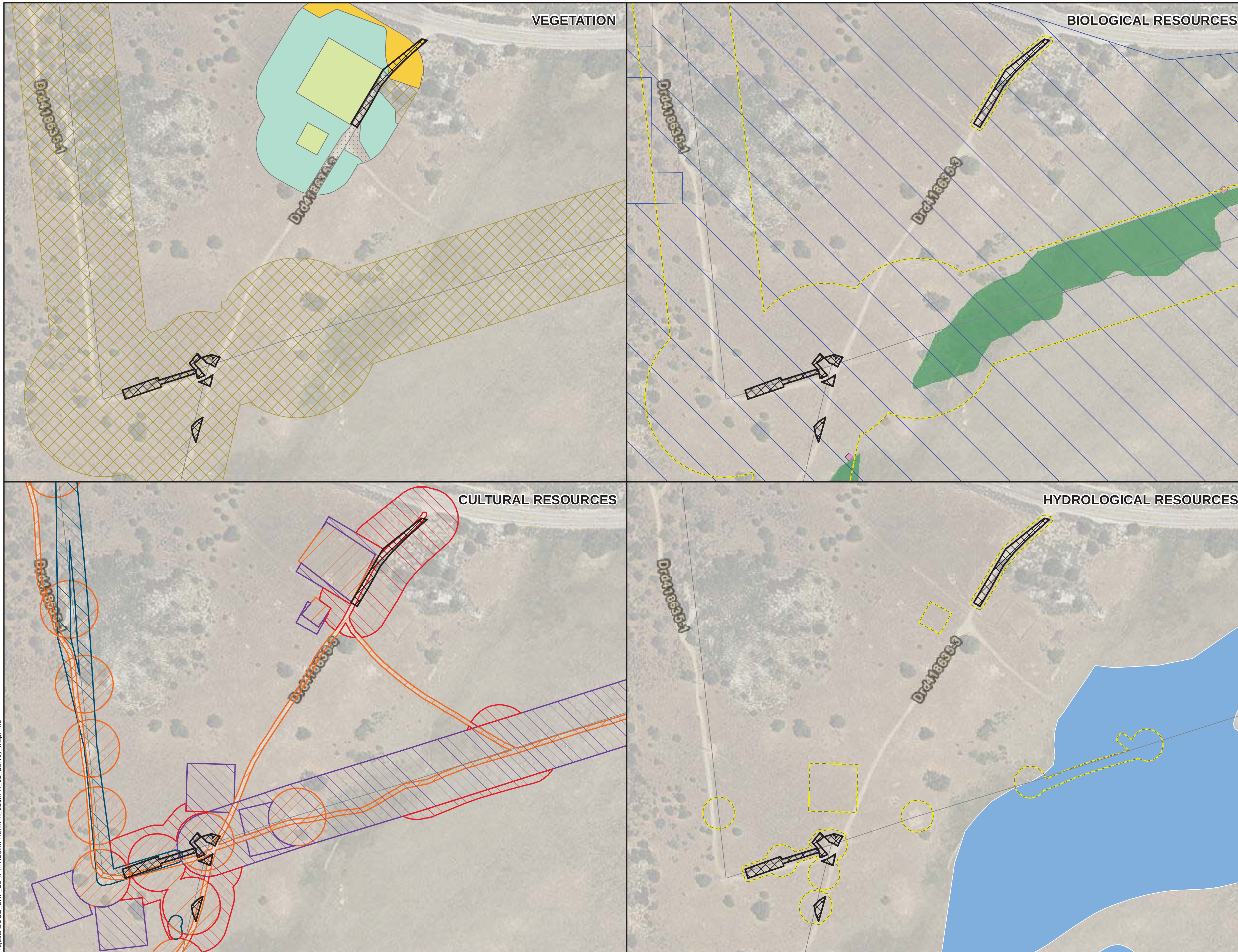


Attachment B: Survey Area Map
TL629E Map 1 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2009

2011

2016

Vegetation

Non-Native Grassland

Oak Savanna

Pastureland/Cultivated Agriculture

Semi-Desert Chaparral

Disturbed (Ruderal/Barren)

Critical Habitat

Arroyo Toad Critical Habitat

Rare Plants/Sensitive Butterfly Host Plants (polygons)

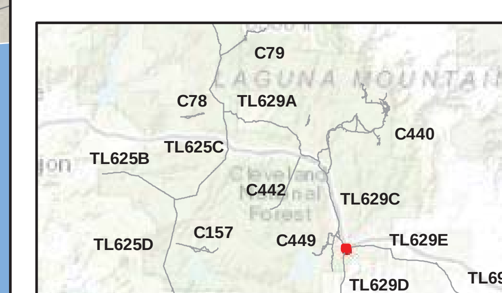
Symphyotrichum defoliatum

Rare Plants/Sensitive Butterfly Host Plants (points)

Symphyotrichum defoliatum

Hydrological Resources

Wetland



SDG&E
A Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Old Highway 80

Attachment B: Survey Area Map
TL629E Map 2 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2009

2011

2016

Vegetation

Oak Savanna

Southern Riparian Forest

Critical Habitat

Arroyo Toad Critical Habitat

Suitable Butterfly Habitat

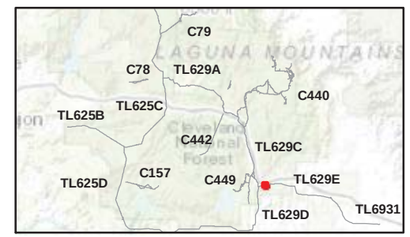
Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Symphyotrichum defoliatum

Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus



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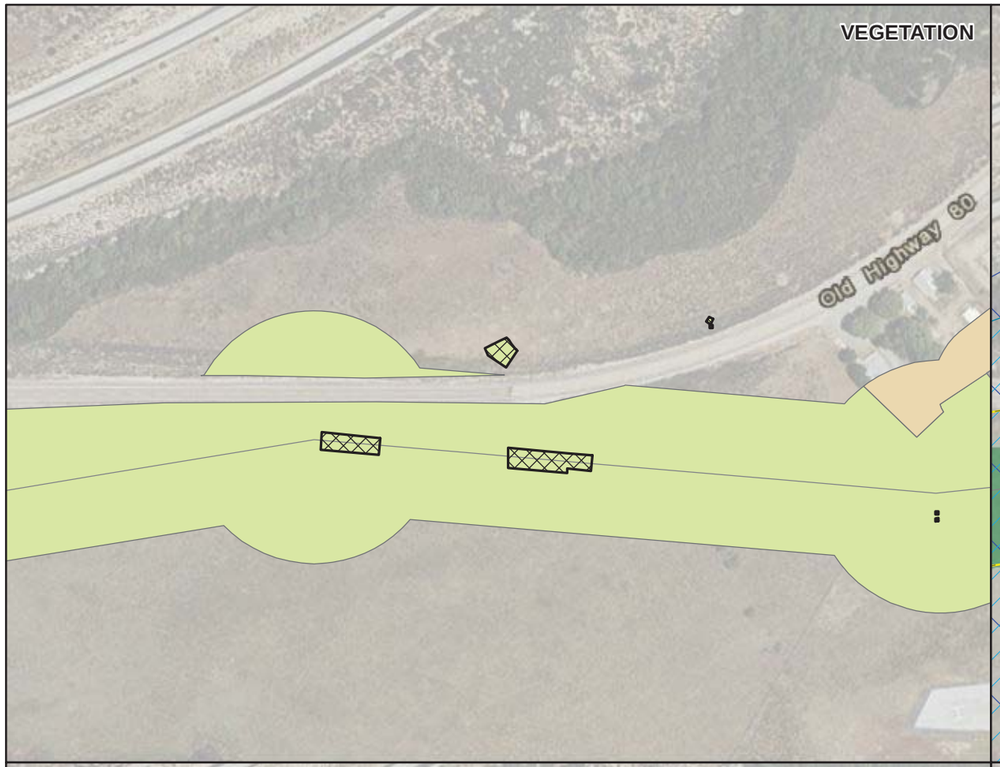
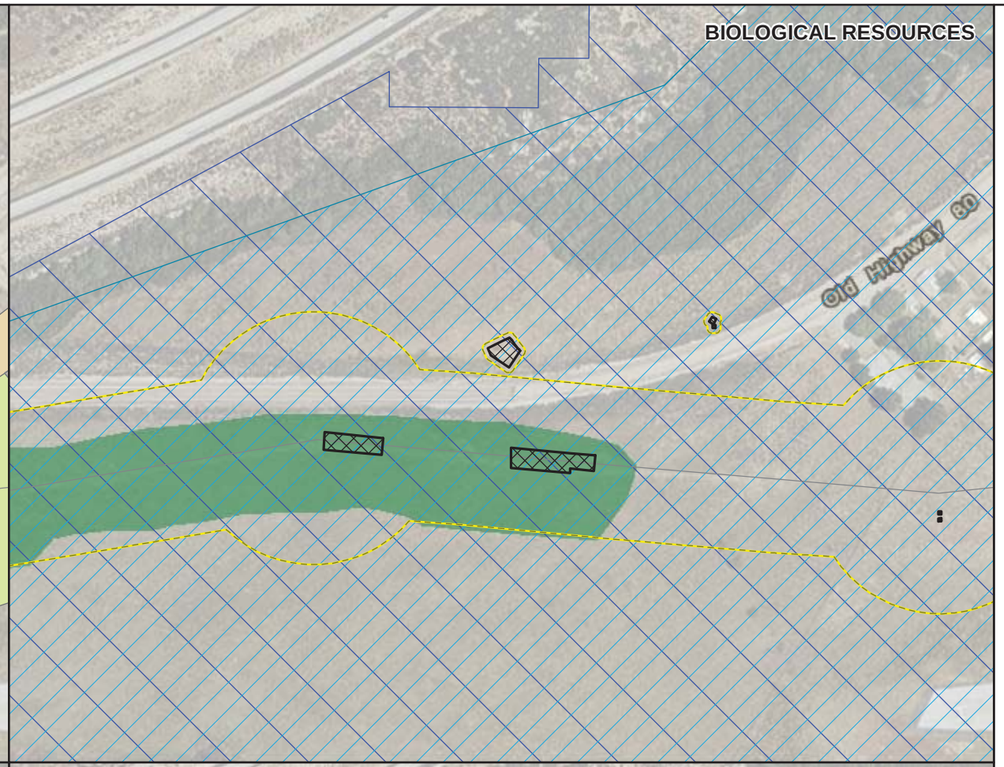
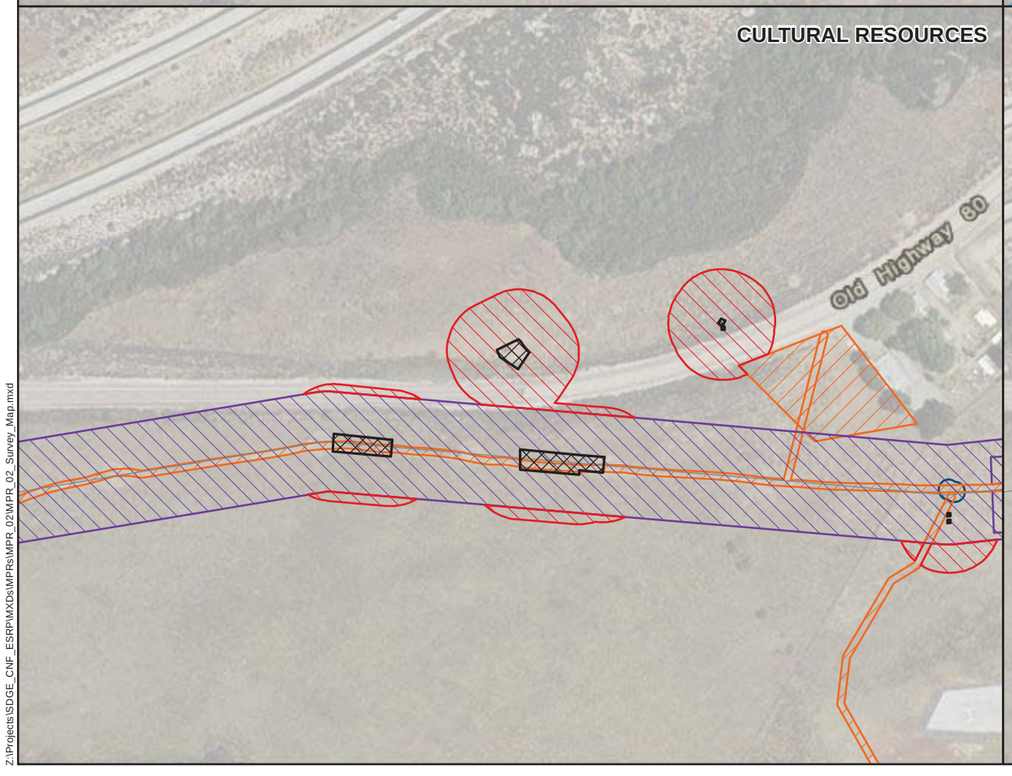
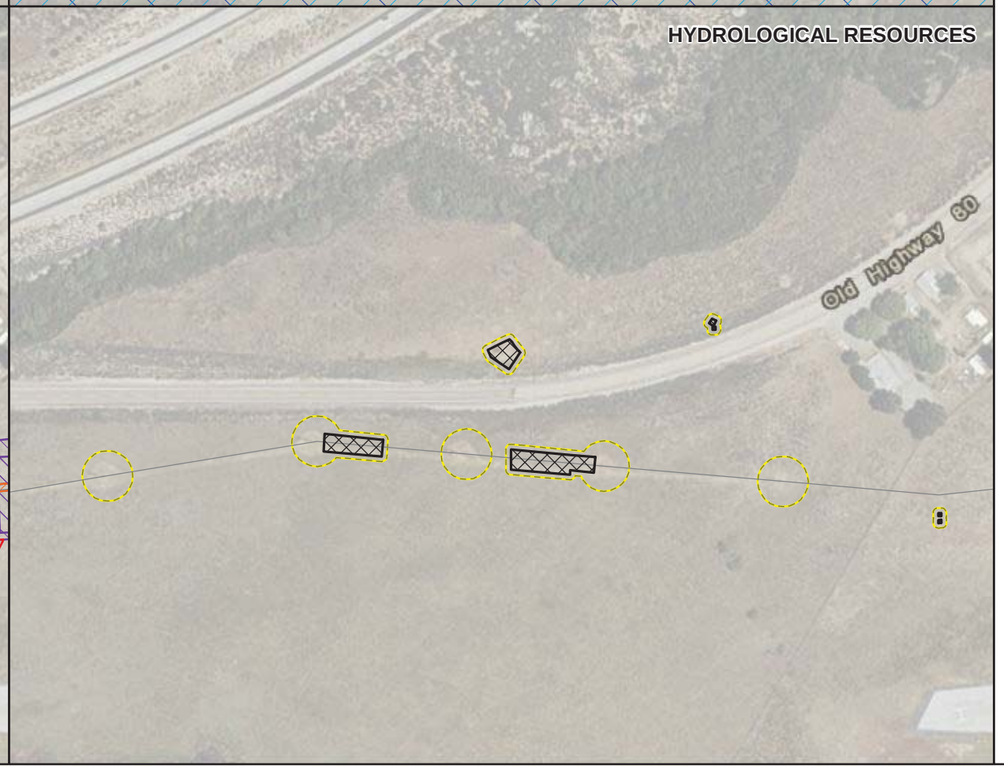








Attachment B: Survey Area Map
TL629E Map 3 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2009

2011

2016

Vegetation

Non-Native Grassland

Urban and Developed/Ornamental Landscaping

Disturbed (Ruderal/Barren)

Critical Habitat

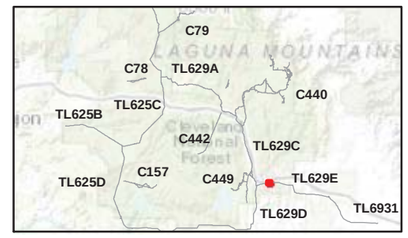
Arroyo Toad Critical Habitat

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Symphyotrichum defoliatum



SDGE A Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Cameron Truck Trl

Highway 80

Attachment B: Survey Area Map
TL629E Map 4 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2009

2011

2016

Vegetation

Non-Native Grassland

Semi-Desert Chaparral

Urban and Developed/Ornamental Landscaping

Disturbed (Ruderal/Barren)

Critical Habitat

Arroyo Toad Critical Habitat

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Astragalus douglasii var. perstrictus

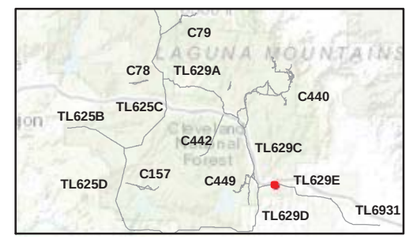
Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus

Hydrological Resources

Drainage Feature

Wetland



SDGE A Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

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Attachment B: Survey Area Map
TL629E Map 5 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2008

2011

2016

Vegetation

Non-Native Grassland

Semi-Desert Chaparral

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

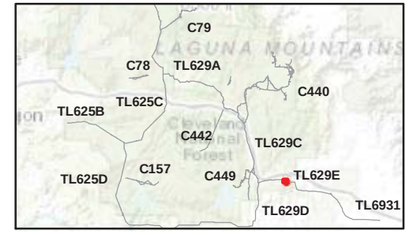
Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus

Caulanthus simulans

Hydrological Resources

Drainage Feature



SDGE A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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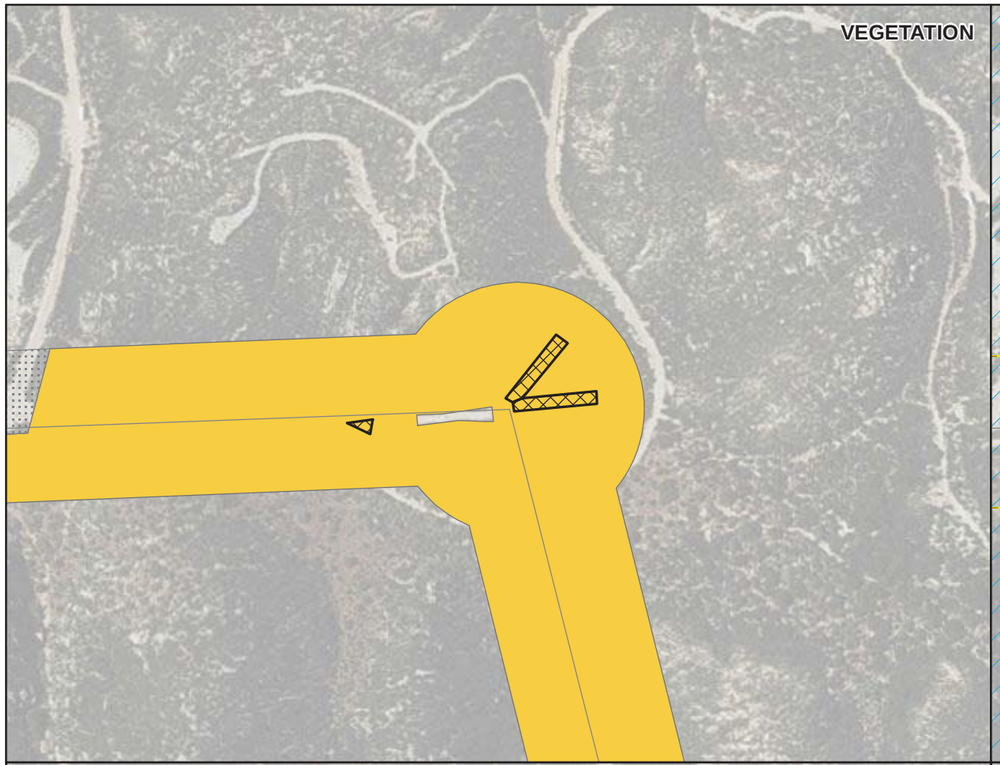
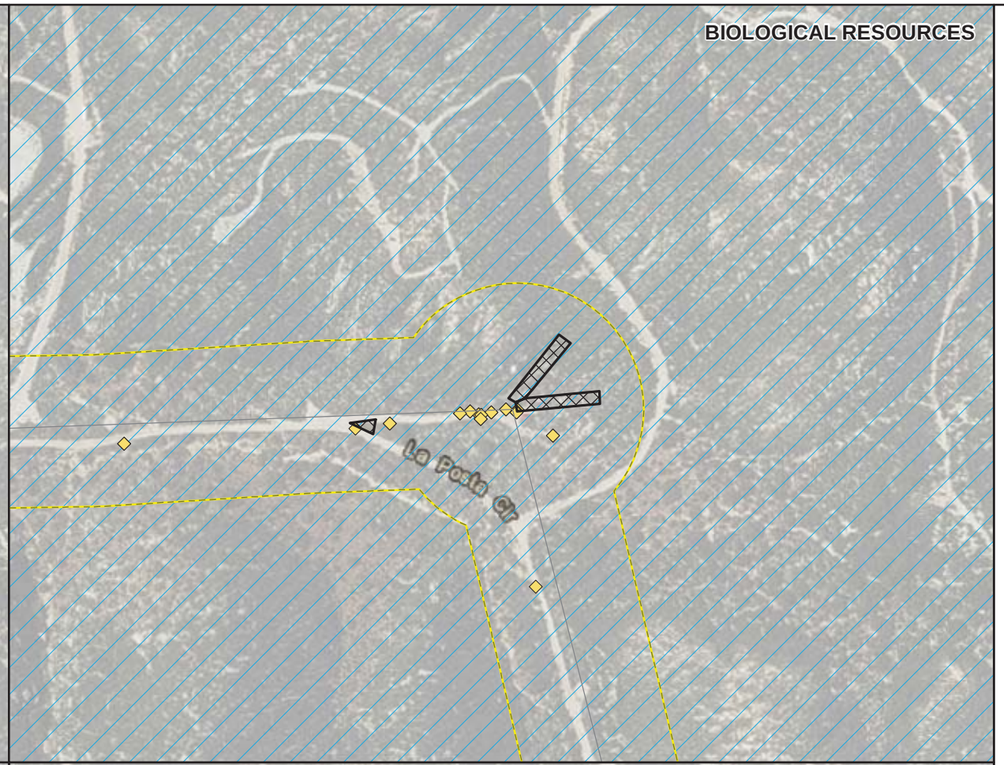
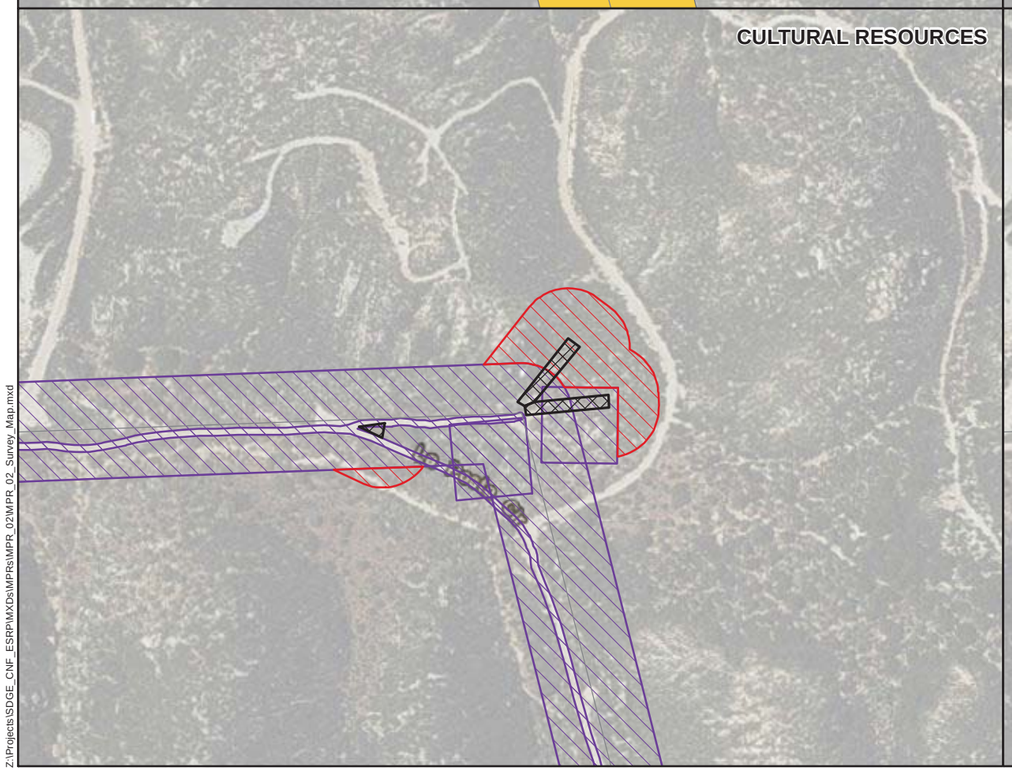






Attachment B: Survey Area Map
TL629E Map 6 of 14

Cleveland National Forest
Power Line Replacement Projects

- MPR #2 Work Area
- Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year
- 2011
- 2016

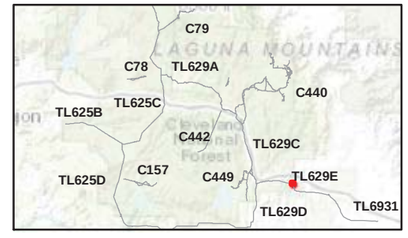
Vegetation
- Semi-Desert Chaparral
- Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat
- Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (polygons)
- Astragalus douglasii var. perstrictus

Rare Plants/Sensitive Butterfly Host Plants (points)
- Astragalus douglasii var. perstrictus

Hydrological Resources
- Drainage Feature



SDGE a Sempra Energy utility

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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Attachment B: Survey Area Map
TL629E Map 7 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

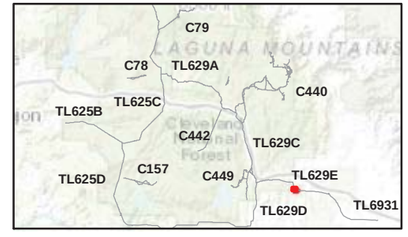
Semi-Desert Chaparral

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Hydrological Resources

Drainage Feature



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Miller Valley Rd

Attachment B: Survey Area Map
TL629E Map 8 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

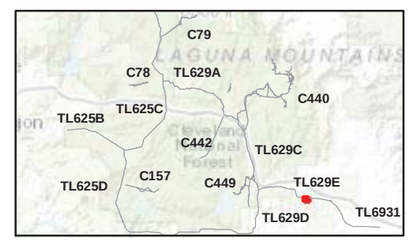
Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (polygons)

Astragalus douglasii var. perstrictus

Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Miller Valley Rd

Caminito

Attachment B: Survey Area Map
TL629E Map 9 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

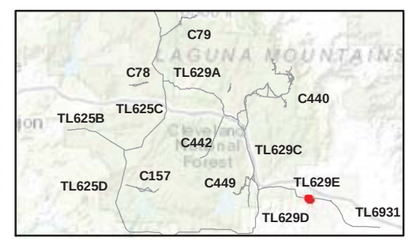
Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Great Blue Heron Way

Attachment B: Survey Area Map
TL629E Map 10 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

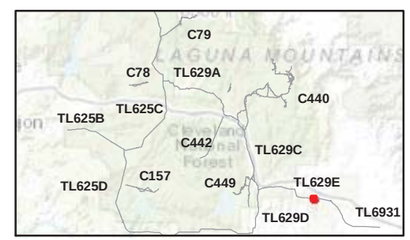
Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus

Caulanthus simulans

Streptanthus campestris



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Stagecoach Springs Rd

Attachment B: Survey Area Map
TL629E Map 11 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

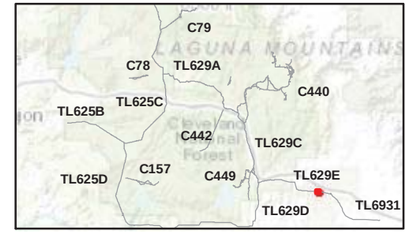
Rare Plants/Sensitive Butterfly Host Plants (polygons)

Caulanthus simulanas

Rare Plants/Sensitive Butterfly Host Plants (points)

Astragalus douglasii var. perstrictus

Caulanthus simulans



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

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Attachment B: Survey Area Map
TL629E Map 12 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

Urban and Developed/Ornamental Landscaping

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (polygons)

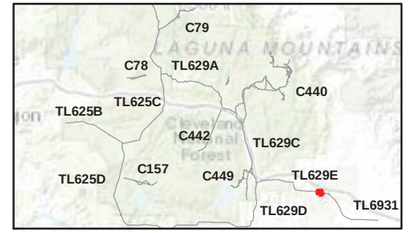
Caulanthus simulanas

Streptanthus campestris

Rare Plants/Sensitive Butterfly Host Plants (points)

Caulanthus simulans

Streptanthus campestris



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VEGETATION

BIOLOGICAL RESOURCES

CULTURAL RESOURCES

HYDROLOGICAL RESOURCES

Attachment B: Survey Area Map
TL629E Map 13 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

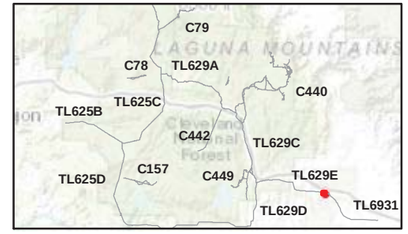
Rare Plants/Sensitive Butterfly Host Plants (points)

Caulanthus simulans

Geraea viscida

Linanthus bellus

Mimulus johnstonii



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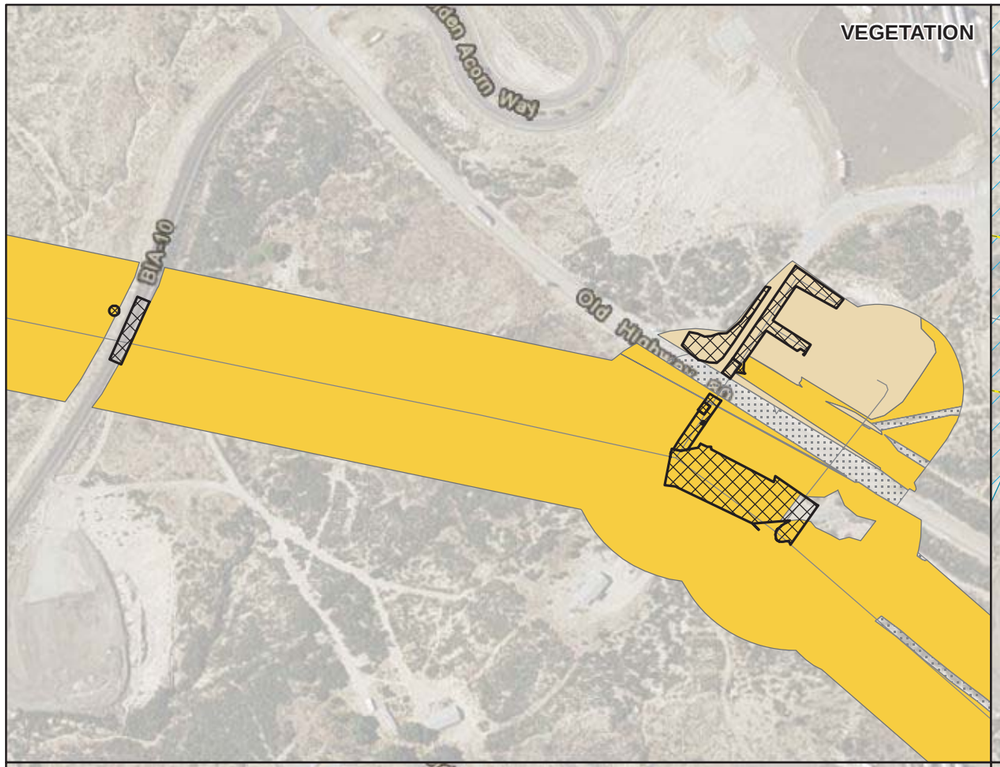
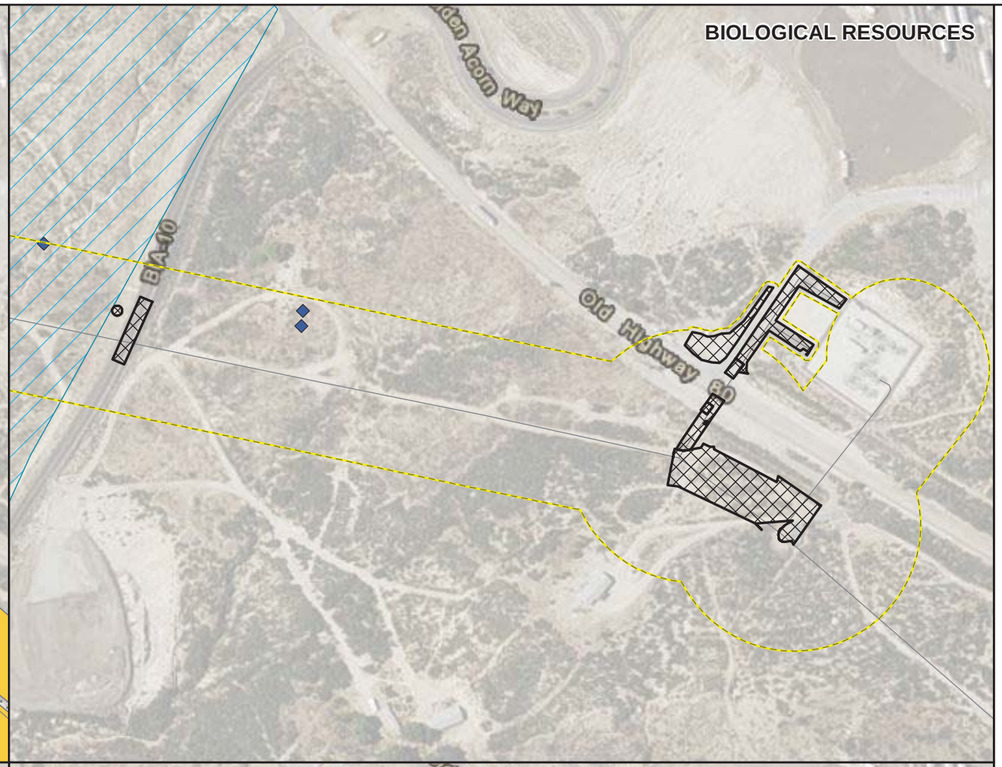
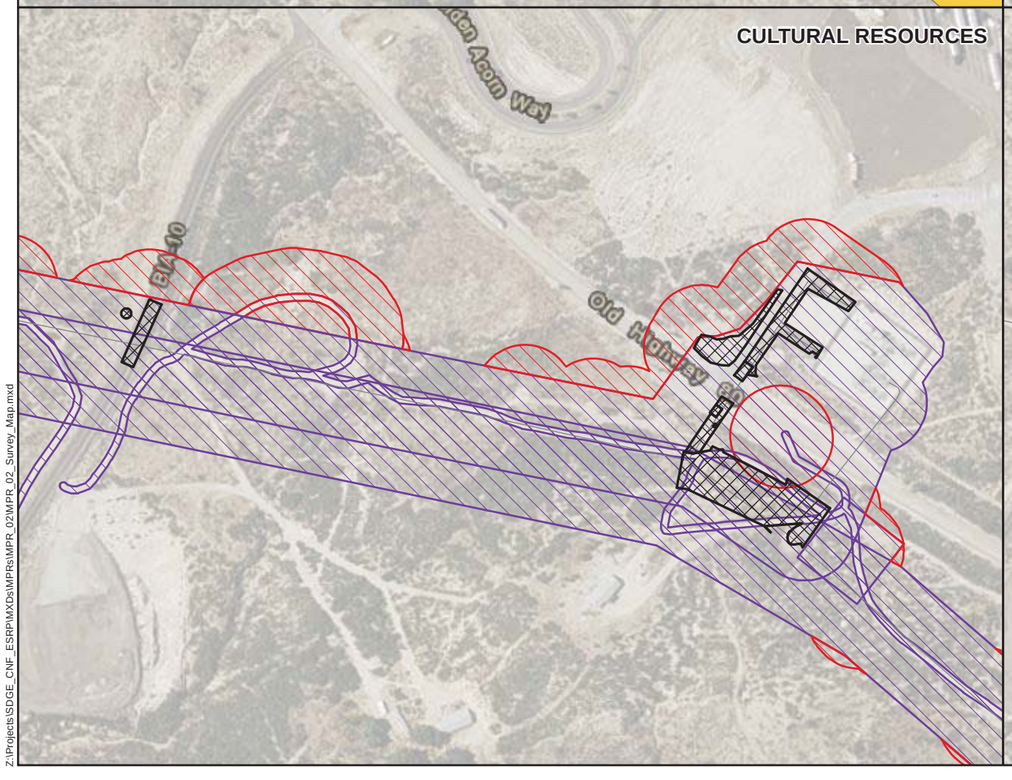
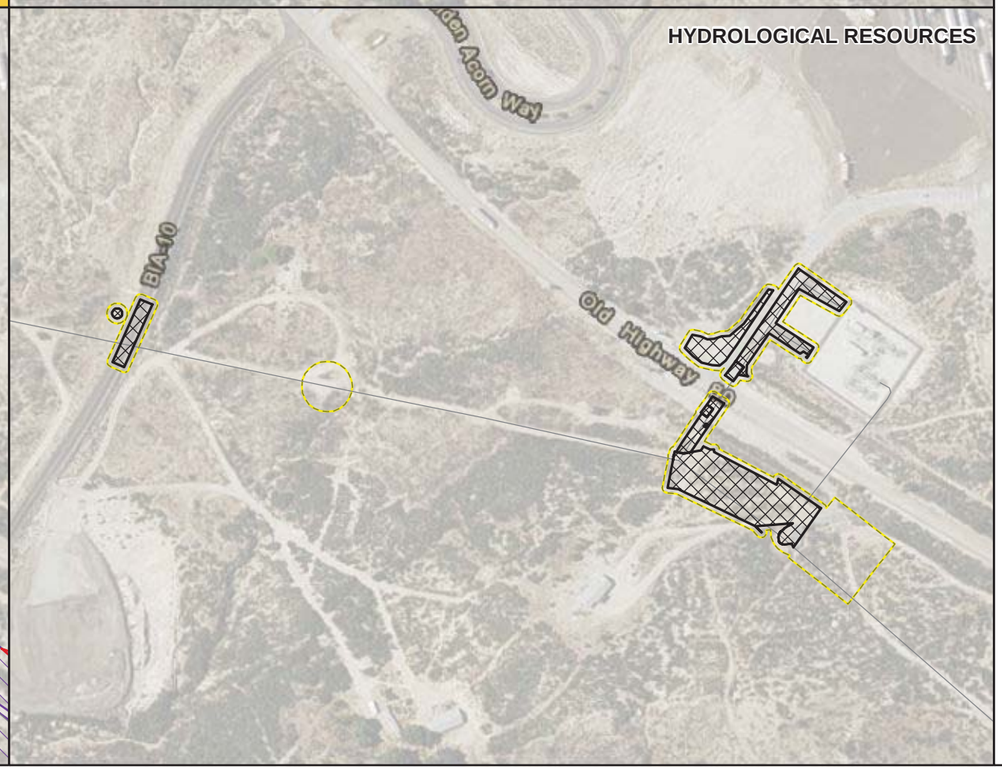








Attachment B: Survey Area Map
TL629E Map 14 of 14

Cleveland National Forest
Power Line Replacement Projects

MPR #2 Work Area

Baseline Biological/Hydrological Survey Area

Cultural Survey Areas by Year

2011

2016

Vegetation

Semi-Desert Chaparral

Urban and Developed/Ornamental Landscaping

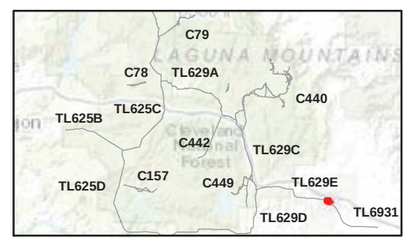
Disturbed (Ruderal/Barren)

Suitable Butterfly Habitat

Mapped Quino Checkerspot Butterfly Suitable Habitat, SDG&E 2008 Habitat Conservation Plan

Rare Plants/Sensitive Butterfly Host Plants (points)

Linanthus bellus



SDGE A Sempra Energy utility

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ATTACHMENT C: MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

MINOR PROJECT REFINEMENT REQUEST SCREENING FORM

RESOURCE EVALUATION

The proposed refinements were evaluated to verify that they will not result in a new significant impact or a substantial increase in the severity of a previously identified significant impact based on the criteria used in the Final Environmental Impact Report/Environmental Impact Statement (EIR/EIS) for the San Diego Gas & Electric Company (SDG&E) Cleveland National Forest Power Line Replacement Projects (Project). The following table provides a brief summary of the potential impact for each resource area analyzed in the Final EIR/EIS and whether the refinements will not change (no change), slightly increase, or slightly decrease the significance level of the impact as identified in the Final EIR/EIS.

EIR/EIS Section	Summary of Potential Impacts
Visual Resources	*No Change*. The Final EIR/EIS found that with mitigation, impacts to visual resources will be less than significant (Class III). The refinements associated with this request (as defined on page 2 of the Minor Project Refinement Request Form) will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact. As discussed in the Impact VIS-3 analysis of the Final EIR/EIS, "the establishment of temporary work areas and stringing sites may create impacts as a result of necessary vegetation removal and site preparation activities." The refinements associated with this request will result in approximately 2.44 acres of vegetation clearing and minor grading. Approximately 1.30 acres of previously approved vegetation clearing and minor grading will no longer be required due to the removal of several previously approved stringing sites; therefore, there will be a net increase of approximately 1.14 acres. Use of these areas will be temporary in nature and all areas will be restored to near pre-construction conditions in accordance with Applicant Proposed Measure (APM) VIS-01. As these refinements are consistent with the analysis of the Final EIR/EIS and with implementation of APM VIS-01, construction impacts to existing visual character and quality of the site and surroundings will not be adverse under the National Environmental Policy Act (NEPA), and under California Environmental Quality Act (CEQA), impacts will continue to be less than significant. The Miller Valley Staging and Fly Yard and the Japatul Fly Yard occur within previously disturbed areas. The reconfiguration and change in use of the Sweetwater Staging and Fly Yard occurs within a previously disturbed area, and will only impact approximately 0.01 acre of native vegetation. Therefore, impacts to the existing visual character of the yards will less than significant and use of the yards will be consistent with the analysis of impacts to visual character in the Final EIR/EIS. With implementation of APM VIS-02, which includes screening staging yards with opaque fencing, impacts to existing visual character and quality of the site and surroundings will not be adverse under NEPA, and impacts will continue to be less than significant under CEQA (Class III). An existing SDG&E-maintained access road will be realigned, increasing its permanent footprint by 0.02 acre. This minor realignment will increase the removal of vegetation by a small amount, which will not affect the visual character of the area due to the small change in size and the fact that the road exists. The proposed addition of construction only roads will result in 0.46 acre of additional temporary impacts. As these roads are temporary in nature, they will be restored to pre-construction conditions in accordance with APM VIS-01. Therefore, the construction only roads will be consistent with the analysis described in Impact VIS-3 of the Final EIR/EIS and will not result in a new significant impact.

EIR/EIS Section	Summary of Potential Impacts
	The removal of distribution poles will not result in new impacts or an increase in the severity of a previously identified significant impact. The removal of existing poles will be beneficial to the visual character of the area. Realignment of the underground portion of TL629E into the Crestwood Substation will result in additional temporary construction impacts from the establishment of additional work areas (e.g., bore pits and temporary work areas). These temporary impacts are consistent with what was described in the Final EIR/EIS, and the temporary disturbance areas will be restored following their use. Because the refinements occur along or are in close proximity to the alignments, impacts to scenic vistas and highways will be consistent with what was described in the Final EIR/EIS. In conclusion, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified impact to visual resources.
Agriculture and Forestry Resources	*No Change.* The Final EIR/EIS found that with mitigation, impacts to Agriculture and Forestry resources will be less than significant (Class III). SDG&E's Project and alternatives considered will not have a significant effect upon agriculture and forestry resources, as no land use changes are proposed with the replacement and fire hardening of the existing transmission and distribution lines. The refinements will not change land uses and will not convert existing agriculture or forestry lands to non-agricultural or non-forest uses; therefore, the requested refinements will not result in a new significant impact nor result in a substantial increase in the severity of a previously identified impact to agriculture and forestry resources.
Air Quality	*No Change*. As described in Impact AIR-1 in the Final EIR/EIS, construction of the Project will "result in a temporary addition of pollutants to the local airshed caused by soil disturbance, fugitive dust emissions, and combustion pollutants from on-site construction equipment, as well as from off-site trucks hauling construction materials" and impacts associated with volatile organic compounds, nitrogen oxides, carbon monoxide, and fine particulate matter emissions are considered significant and unavoidable under the California Environmental Quality Act (Class I). Activities associated with construction and utilization of the refinement areas are consistent with those discussed in the Final EIR/EIS. The use of the refinement areas is integrated into the uses and activities occurring in adjacent work areas; accordingly, the refinements will not increase the number of trips needed to construct TL625B and TL629E. As a result, the refinements are not anticipated to increase air emissions beyond what was analyzed in the Final EIR/EIS. Use of the Sweetwater Staging and Fly Yard as a staging and fly yard instead of a stringing site will change the activities that occur on the site. As both stringing sites and staging yards involve equipment and material storage, the uses will be similar; however, the staging yard will have a higher level of activity and will be used for a longer duration. While the localized use will be different, the total number of vehicles and equipment and their operating hours for the overall Project will not change as a whole; thus, the emissions will not increase as a result. Minor grading and leveling may be required for the temporary workspaces based on the specific site conditions, which are approved and discussed in Table B-7 of the Final EIR/EIS. Additionally, minor grading will occur at the eastern entrance to the Sweetwater Staging and

EIR/EIS Section	Summary of Potential Impacts
	Fly Yard, and approximately 0.02 acre of grading will be required to realign the access road at Pole Z272867. Because the additional grading for the refinement areas is minor, construction emissions and fugitive dust will not result in a new significant impact nor a substantial increase beyond what was analyzed in the Final EIR/EIS. As discussed in the Final EIR/EIS, both TL625B and TL629 have sensitive receptors adjacent to the right-of-way and construction work areas. The refinement areas are within the existing right-of-way or immediately adjacent to it and are consistent with the analysis in the Final EIR/EIS. The Final EIR/EIS determined that, "since construction activities at any given location will be short-term and will move along the various alignments linearly, construction activities will not expose sensitive receptors to substantial pollutant concentrations as construction activities and emissions will not occur in any one place for an extended period of time. Accordingly, identified impacts will not be adverse under NEPA. Under CEQA, impacts will be considered less than significant (Class III)." The addition of the Miller Valley Yard is not within 1,000 feet of a sensitive receptor; therefore, no additional impacts are expected to occur from the use of this staging yard. However, the Japatul Fly Yard is within 300 feet of a sensitive receptor and may result in a potentially minor increase in air quality impacts in this localized area. Helicopter use at the fly yard will occur briefly throughout the day (hovering time is estimated to be between two and five minutes in the Final EIR/EIS). With implementation of APM AIR-01 through APM AIR-04, which minimize idling time, control fugitive dust, limit traffic speeds on unpaved roads, and require the use of low-emission equipment, the use of Japatul Fly Yard will not be adverse under NEPA, and under CEQA impacts will continue to be less than significant. In conclusion, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified impact to air quality, which was determined to be significant and unmitigable (Class I) in the Final EIR/EIS.
Biological Resources	*No Change*. The Final EIR/EIS found that impacts to biological resources will be less than significant with mitigation (Class II). The approved TL625B and TL629E alignments were surveyed for sensitive vegetation communities, and special-status plant and wildlife species during initial surveys that were conducted for the Project, and were assessed for impacts in the Final EIR/EIS. Supplemental focused surveys were conducted for sensitive vegetation communities, and special-status plant and wildlife species in 2016. Results of all biological surveys conducted for the Project are depicted in Attachment B: Survey Area Map. In addition, all requested refinement areas will be incorporated in to the Pre-activity Study Report in accordance with SDG&E's Subregional Natural Community Conservation Plan (NCCP). No new sensitive plant or wildlife species were identified during supplemental surveys conducted in 2016 or pre-activity biological surveys of the proposed refinement areas. All changes that were made after the Pre-activity Study Report were documented in a verification memo based on subsequent surveys. The proposed refinements will result in an increase in temporary impacts and permanent impacts by approximately 7.97 acres and 0.02 acre, respectively. This includes temporary and permanent impacts to the following vegetation communities: • approximately 0.48 acre of chamise chaparral, • approximately 0.13 acre of Diegan coastal sage scrub,

EIR/EIS Section	Summary of Potential Impacts
	• approximately 0.04 acre of mixed oak woodland, • approximately 0.34 acre of native grassland, • approximately 0.37 acre of non-native grassland, • approximately 0.51 acre of oak savanna, • approximately 0.85 acre of semi-desert chaparral, and • approximately 0.40 acre of southern mixed chaparral. Attachment B: Survey Area Map depicts the locations of the proposed refinement areas and biological survey results. All areas temporarily impacted will be restored following construction in accordance with Mitigation Measure (MM) BIO-4 and the Project's Habitat Restoration Plan. In addition, SDG&E will provide habitat compensation or restoration for permanent impacts to native vegetation communities in accordance with the requirements of the Project's Mitigation Monitoring, Compliance and Reporting Program (MMCRP). As shown in Attachment B: Survey Area Map, a number of special-status plant species were identified in the refinement areas during the rare plant surveys. The refinements will potentially impact Dunn's Mariposa lily (*Calochortus dunnii*), San Diego County sunflower (*Bahiopsis laciniate*), San Bernardino aster (*Symphyotrichum defoliatum*), and Jacumba milkvetch (*Astragalus douglasii* var. *perstrictus*), depending on the plants' locations within or adjacent to the refinement areas. Impacts to special-status plant species will be avoided to the maximum extent possible by installing fencing or flagging marking areas to be avoided in the construction areas. Where impacts to special-status plant species are unavoidable, the impact will be quantified and compensated in accordance with MM BIO-15 and the Project's Special Status Plant Species Salvage and Relocation Plan. Special-status butterfly host plants, including spiny redberry (*Rhamnus crocea*), are located within or adjacent to the proposed refinement areas. Impacts to special-status butterfly host plants will be avoided to the maximum extent possible by installing fencing or flagging to mark areas to be avoided within or adjacent to the construction areas. Approximately 0.002 acres of minor refinements will be located within suitable habitat for Hermes copper butterfly (California buckwheat [*Eriogonum fasciculatum*] with spiny redberry) along the TL625B alignment. However, no impacts to Hermes copper butterfly occupied habitat will occur. Two federally listed wildlife species, arroyo toad (*Anaxyrus californicus*) and Quino checkerspot butterfly (*Euphydryas editha quino*), have the potential to occur within the refinement areas; however, these species were previously identified and analyzed in wildlife studies conducted for the Project. As shown in Attachment B: Survey Area Map, approximately 1.64 acres of refinement areas are located within United States (U.S.) Fish and Wildlife Service- (USFWS-) designated critical habitat for arroyo toad. Potential impacts to arroyo toad and critical habitat for this species will be mitigated in accordance with the requirements of SDG&E's NCCP and the Project's Section 1602 Streambed Alteration Agreement. Approximately 4.54 acres of the minor refinements will be located within suitable habitat for Quino checkerspot butterfly along the TL625B and TL629E alignments. However, focused surveys for Quino checkerspot butterfly were conducted in 2010 and 2016, and Quino checkerspot butterfly was not observed during the surveys for TL625B or TL629E. Additionally, USFWS and U.S. Forest Service records do not show Quino checkerspot butterfly occupying suitable habitat along TL625B or TL629E. Therefore, it is not anticipated that Quino checkerspot butterfly will occur within the proposed refinement areas. No USFWS-designated

EIR/EIS Section	Summary of Potential Impacts
	critical or occupied Quino checkerspot butterfly habitat occurs within the refinement areas, and potential impacts to suitable unoccupied habitat will be mitigated in accordance with the Quino checkerspot butterfly Low-Effect Habitat Conservation Plan. There is potential for minor temporary impacts to other NCCP-covered species; however, with the implementation of NCCP operational protocols and the MMCRP, there will be no significant change in impacts to these species. In conclusion, the requested refinements will not result in a new significant impact nor result in a substantial increase in the severity of a previously identified impact to biological resources.
Cultural and Paleontological Resources	*No Change*. The Final EIR/EIS found that impacts to archaeological resources will be less than significant with mitigation (Class II). TL625B and TL629E were previously surveyed for cultural resources during pre-construction and cultural resources inventory work, as described in the *Inventory, Evaluation and Treatment of Cultural Resources in the Cleveland National Forest Transmission and Distribution Line Increased Fire Safety Project in support of the Proponent's Environmental Assessment.* Supplemental intensive pedestrian surveys were conducted by ASM Affiliates, Inc. in October, November, and December 2016 for refinement areas that were identified as being outside of the previous cultural survey coverage to assess the presence or absence of any unknown cultural resources within the footprint of these refinement areas. No new cultural resources were recorded, and no change in the significance of known cultural resources will occur on the Project as a result of the requested refinements. Along TL625B and TL629E, refinements to stringing sites, access roads, and work areas are proposed within and adjacent to mapped boundaries of archaeological sites. Each refinement area has been micro-sited by a qualified archaeologist in the field and recommendations for avoidance are included in a supplemental confidential cultural resources letter report, which will be submitted to the USFS in support of this MPR (Williams 2016). In accordance with the Historic Properties Management Plan, MM CUL-1, and MM CUL-3, methods for avoidance within known site boundaries will include utilizing existing disturbed areas, overland travel (no grading or blading), cutting poles/anchors and leaving the stubs in place, installing Environmentally Sensitive Area Exclusionary fencing along the edges of the proposed refinements that are within 50 feet of known resource sites, and conducting archaeological monitoring. Therefore, with the implementation of this mitigation, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified impact to archaeological resources. The Final EIR/EIS found that impacts to paleontological resources would be less than significant (Class III). Although the proposed refinements will increase the disturbance acreage by 1.14 acres, the proposed refinements are located within the same geological formations along TL625B and TL629E as analyzed in the Final EIR/EIS. None of the refinement areas are underlain by sedimentary rock units with a Potential Fossil Yield Classification Class 3 ranking; thus, paleontological monitoring requirements at the refinement areas identified in the Final EIR/EIS will not be required. Therefore, with the implementation of APM CUL-01, requiring cultural and archaeological resources training for all personnel, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified potential impact to paleontological resources.

EIR/EIS Section	Summary of Potential Impacts
Greenhouse Gas Emissions	*No Change*. The Final EIR/EIS found impacts associated with greenhouse gas emissions will be less than significant (Class III). The proposed refinements will not change the amount of heavy equipment utilized nor the number of trips needed to complete construction as contemplated in the Final EIR/EIS. The minor grading associated with some of the refinements will not trigger an exceedance of the greenhouse gas (GHG) threshold of 10,000 metric tons of carbon dioxide equivalent ($MTCO_2e$) per year nor the County of San Diego Climate Action Plan (CAP) criteria for annual grading and land clearing. The CAP criteria includes grading and clearing of no more than 1,285 acres of land per year with no soil hauling and no other aspect of construction or site preparation, and grading and clearing of no more than 100 acres of land per year, assuming up to 3,100 cubic yards per day of soil hauling. Therefore, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified impact to GHG emissions, which was determined to be less than significant (Class III) in the Final EIR/EIS.
Public Health and Safety	*No Change*. The Final EIR/EIS found that impacts associated with public health and safety will be less than significant with mitigation (Class II). Minor refinements to pole work areas, stringing sites, guard structures, access roads, and staging yards will be consistent with the use of Project pole work areas, stringing sites, guard structures, access roads, and staging yards as analyzed in the Final EIR/EIS. There are no known hazardous materials sites located in the refinement areas according to the Final EIR/EIS and the *Report on ASTM Phase I Environmental Site Assessment Cleveland National Forest Electric Safety and Reliability Project San Diego County, California*. In accordance with MM PHS-1 and MM PHS-2, construction personnel will receive Worker Environmental Awareness Program (WEAP) training, which will include appropriate work practices and hazardous materials protocol, and best management practices will be implemented in accordance with the Spill Response and Notification Plan to prevent impacts from the release of hazardous materials. Therefore, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified impact to public health and safety.
Fire and Fuels Management	*No Change*. The Final EIR/EIS found that impacts associated with fire and fuels management will be less than significant with mitigation (Class II). Minor refinements to pole work areas, stringing sites, guard structures, access roads, and staging yards will be located primarily within Very High and High Fire Hazard Severity Zones, which were analyzed in the Final EIR/EIS. The minor refinements will also be consistent with the use of Project pole work areas, stringing sites, guard structures, access roads, and staging yards as analyzed in the Final EIR/EIS, and the potential risk of wildfire ignition and spread associated with the minor refinements will be managed in compliance with the Project's Construction Fire Prevention Plan. Therefore, the refinements will not result in a new significant impact nor a substantial increase in the severity of a previously identified impact to fire and fuels management.
Hydrology and Water Quality	*No Change*. The Final EIR/EIS found that impacts associated with hydrology and water quality will be less than significant with mitigation (Class II). Activities associated with construction and utilization of the refinement areas are consistent with those discussed in the Final EIR/EIS. Although the refinement areas will increase the amount of ground disturbance by approximately 1.14 acres; with implementation of mitigation as defined in the Final EIR/EIS, such as the development of an Erosion Control Plan and Storm Water Pollution Prevention Plan, off-site sedimentation due to storm water and non-storm water sources will be minimized and will not significantly increase impact to surface water. The amount of water that may be required for dust control and fire suppression for the refinement areas will result in a negligible increase to the total amount of water required, and is not anticipated to significantly increase impacts groundwater supply in the Project area.

EIR/EIS Section	Summary of Potential Impacts
	Hydrology surveys for the Project focused on the presence of potentially jurisdictional wetlands or waters of the U.S. were conducted in support of the Final EIR/EIS over multiple years. A Preliminary Jurisdictional Delineation Report for the Project was completed in August 2015. Supplemental jurisdictional water surveys of the refinement areas were conducted in October 2016. The Project for TL629E will impact jurisdictional waters and the Project has been issued a Clean Water Act Section 401 Water Quality Certification by the Regional Water Quality Control Board, a Clean Water Act Section 404 Nationwide Permit Number 12 by the U.S. Army Corps of Engineers, and California Department of Fish and Wildlife Section 1602 Streambed Alteration Agreement. One new jurisdictional water was identified near a refinement area along TL629; however, impacts will be avoided and no additional wetland and water permitting will be required. In conclusion, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to hydrology and water quality.
Land Use and Planning	*No Change*. The Final EIR/EIS found that impacts associated with land use and planning will be less than significant with mitigation (Class II). In accordance with the Construction Notification Plan and MM LU-1, property owners within 1,000 feet of TL625B and TL629E were notified of construction activities, and the property owners within 1,000 feet of the requested refinements were already included in that notification process. The requested refinements will not introduce a new land use, establish a permanent barrier or obstacle between uses, nor create a physical division or separation of use. The requested refinements will be located in County of San Diego land use and zoning designations and Cleveland National Forest (CNF) Land Management Plan land uses that were analyzed in the Final EIR/EIS. In addition, the requested refinements will not conflict with applicable land use plans, policies, or regulations of an agency with jurisdiction over the Project, as their uses were already contemplated in the Final EIR/EIS. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to land use and planning.
Noise	*No Change*. The Final EIR/EIS found that impacts associated with noise will be less than significant with mitigation (Class II). Additional construction-related noise will be generated within the refinement areas due to pole removal, vegetation removal, helicopter use, minor grading, stringing conductor, equipment staging, undergrounding, and large equipment operation. However, noise impacts will be the same as those analyzed for construction of the Project in the Final EIR/EIS, and there will be no change in the types of heavy equipment listed in the Final EIR/EIS as a result of these refinements. Additionally, the overall construction schedule will not be affected by the refinements. The majority of the refinements areas are not located substantially closer to any sensitive receptors than was analyzed in the Final EIR/EIS. Minor pole top and anchor work, as well as use of the Japatul Fly Yard, will occur slightly closer to some sensitive receptors when compared to the original alignments. The pole top and anchor work will result in temporary increases in noise levels, but the work will be short term at any given location. In addition, implementation of MM NOI-1, APM NOI-02, and APM NOI-03 will reduce noise impacts by utilizing temporary noise barriers, positioning equipment away from the residences to the extent possible, and ensuring equipment is maintained in accordance with manufacturer's recommendations. Helicopter use will only occur at the Japatul Fly yard and Sweetwater Staging and Fly Yard for short periods of time throughout the day, the typical hovering time is estimated to be between two and five minutes, and approximately 11 round-trip flights will occur on the average day. Due to the intermittent and temporary nature of helicopter use, it is unlikely that noise levels will exceed the County of San

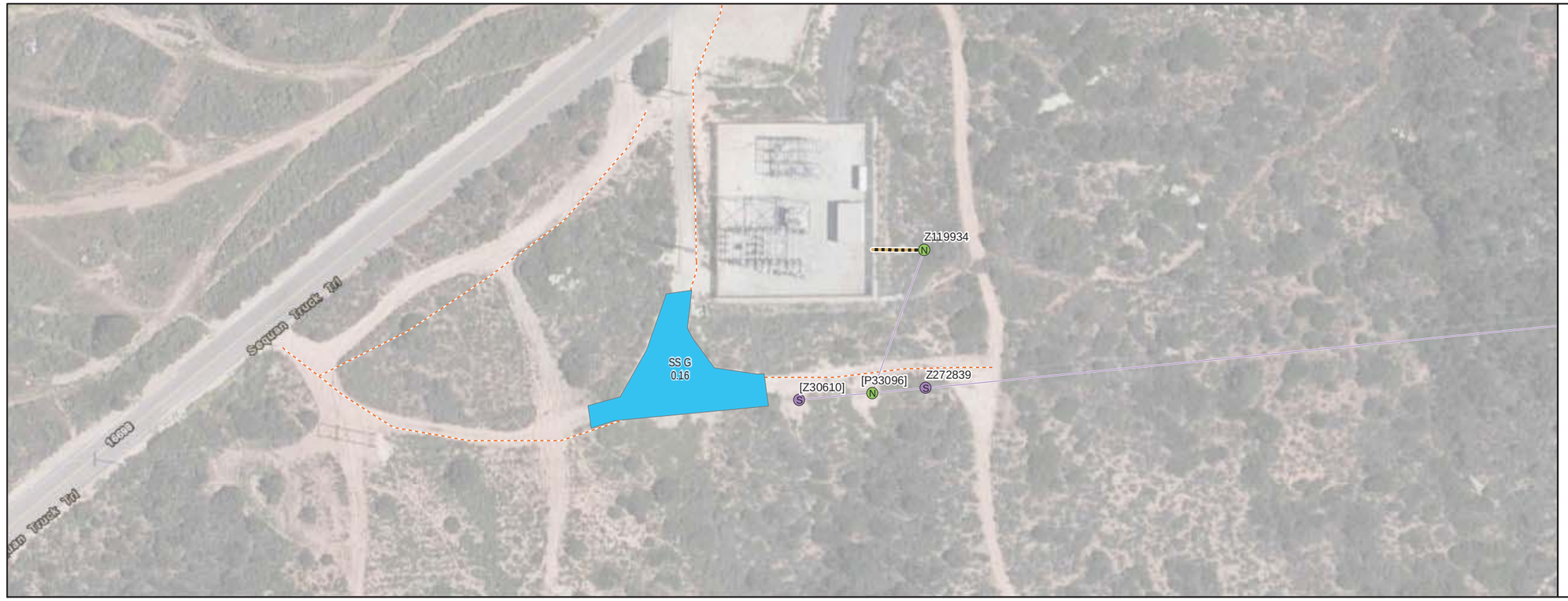
EIR/EIS Section	Summary of Potential Impacts
	Diego threshold of 75 decibels over an eight-hour period. Further, as described in the Final EIR/EIS, the following MMs and APMs will be implemented to minimize disturbance to sensitive receptors: MM NOI-2, which will notify sensitive receptors of scheduled helicopter use prior to flight operations; APM NOI-06, which requires helicopters to maintain a height of at least 500 feet when passing over residential areas, except when at temporary construction areas or actively assisting with conductor stringing; and APM NOI-09, which will ensure that SDG&E coordinates with San Diego County regarding flights occurring between 6:30 a.m. and 7:00 a.m. to avoid conflicts with the County noise ordinance. The nearest sensitive receptor to the Japatul Fly Yard is approximately 250 feet northwest, which is within the parameters of MM NOI-02 notification. The implementation of APMs and MMs would ensure that the short-term and impact analysis of noise generated by helicopters would be consistent with the Final EIR/EIS and remain less than significant with mitigation under CEQA (Class II) and under NEPA. In conclusion, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to noise.
Public Services and Utilities	*No Change.* The Final EIR/EIS found that impacts associated with public services and utilities will be less than significant with mitigation (Class II). With the implementation of the Construction Fire Protection/Prevention Plan and APM HAZ-01 through APM HAZ-06 (which include construction restrictions during Red Flag Warnings, WEAP training, removal of dead and decaying vegetation, and fire tool requirements), any fire hazards resulting from the refinement areas will be mitigated, and demand for increased fire protection services will be avoided. A negligible amount of water will be required for activities at the requested refinement areas (i.e., dust control); however, it will not exceed the amount of construction water available from the City of San Diego Public Utilities Department, which totals 50 million gallons. Consequently, the refinements will not require new or expanded municipal water facilities or services. Before any distribution poles are removed as part of this MPR, coordination with AT&T will occur to prevent interruptions of telecommunications services. As a result, the requested refinement areas are consistent with the Final EIR/EIS analysis and will not increase or add new impacts to public services and utilities, such as fire protection, municipal water supplies, or telecommunications infrastructure. Therefore, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to public services and utilities.
Recreation	*No Change*. The Final EIR/EIS found that impacts associated with recreation will be less than significant with mitigation (Class II). The refinement areas associated with the Sweetwater Staging and Fly Yard (originally a stringing site) are located within the parking lot that provides trail access to the Loveland Reservoir. However, the yard is positioned to allow for unrestricted public use of the parking lot and the trail head. Therefore, use of this area as a construction yard will not reduce or preclude access to recreational areas. In addition, the yard fencing and a new gate on the eastern side of the parking lot will not allow unauthorized vehicle access in to specially designated or restricted areas. Refinement areas associated with temporary work areas along TL625B will incrementally increase work areas by approximately 1.20 acres within the Loveland Reservoir boundary as well as approximately 0.05 acre within the CNF-owned lands along TL625B and approximately 0.18 acre along TL629E. Potential impacts to CNF and Loveland Reservoir, including impacts to Loveland Reservoir Trail, are analyzed in the Final EIR/EIS, and impacts as a result of the refinement areas will be consistent with that analysis. Work at these refinement areas will not reduce or preclude access to recreation facilities, nor increase the possibility of unauthorized access to

EIR/EIS Section	Summary of Potential Impacts
	specially designated or restricted areas. As described in the Final EIR/EIS, construction activities would not require the temporary closure of any portion of the publicly accessible fishing areas of Loveland Reservoir. Rather, construction activities associated with the refinement areas occurring along Japatul Valley Road, such as Sweetwater Staging and Fly Yard, could simply hinder opportunities to access wilderness and recreation sites in a timely manner. However, implementation of a Traffic Control Plan (APM TRANS-04) and additional traffic control considerations as described in the Transportation and Traffic section of the Final EIR/EIS would minimize the potential for adverse and significant conflicts between motorists and construction activities that would in turn reduce impacts associated with impaired access to recreation areas. In conclusion, the requested refinements areas are consistent with the Final EIR/EIS analysis and will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to recreation.
Transportation and Traffic	*No Change*. The Final EIR/EIS found that impacts associated with transportation and traffic will be less than significant with mitigation (Class III). The only construction vehicles and heavy equipment that will be used for the addition of the refinements are those that were already required for construction of the approved Project. In addition, the total number of truck trips associated with construction of the Project will not change. The location of the refinement areas will be within or in close proximity to the approved TL625B and TL629E alignments. Therefore, the refinement areas will affect the same roadways that were analyzed in the Final EIR/EIS, such as Japatul Road on TL625 and Old Highway 80 and La Posta Circle on TL629E. As described previously, the use of the refinement areas is integrated into the uses and activities occurring in adjacent work areas. Accordingly, the refinements will not increase the number of trips needed to construct TL625B and TL629E. Therefore, the existing levels of service, which are between A and C, and between A and D for portions of Old Highway 80, will not be impacted. Use of the Sweetwater Staging and Fly Yard as a staging and fly yard instead of a stringing site will increase the number of vehicles that access this specific location, as well as increase the duration of use of that yard; however, overall vehicle trips contemplated in the Final EIR/EIS analysis will not increase and the daily amount of traffic in the vicinity of the Miller Valley Staging and Fly Yard, Sweetwater Staging and Fly Yard, and Japatul Fly Yard is generally light and is not anticipated to increase. As a result, no adverse impacts on traffic flow are anticipated due to the use of the staging and fly yards, which is consistent with the determination provided in the Final EIR/EIS. In conclusion, the requested refinements will not result in new significant impacts or a substantial increase in the severity of a previously identified significant impact to transportation and traffic.

ATTACHMENT D: COMPARE MAP

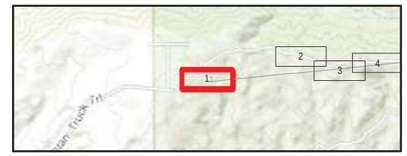
Attachment D:
Compare Map
TL625B Map 1 of 39

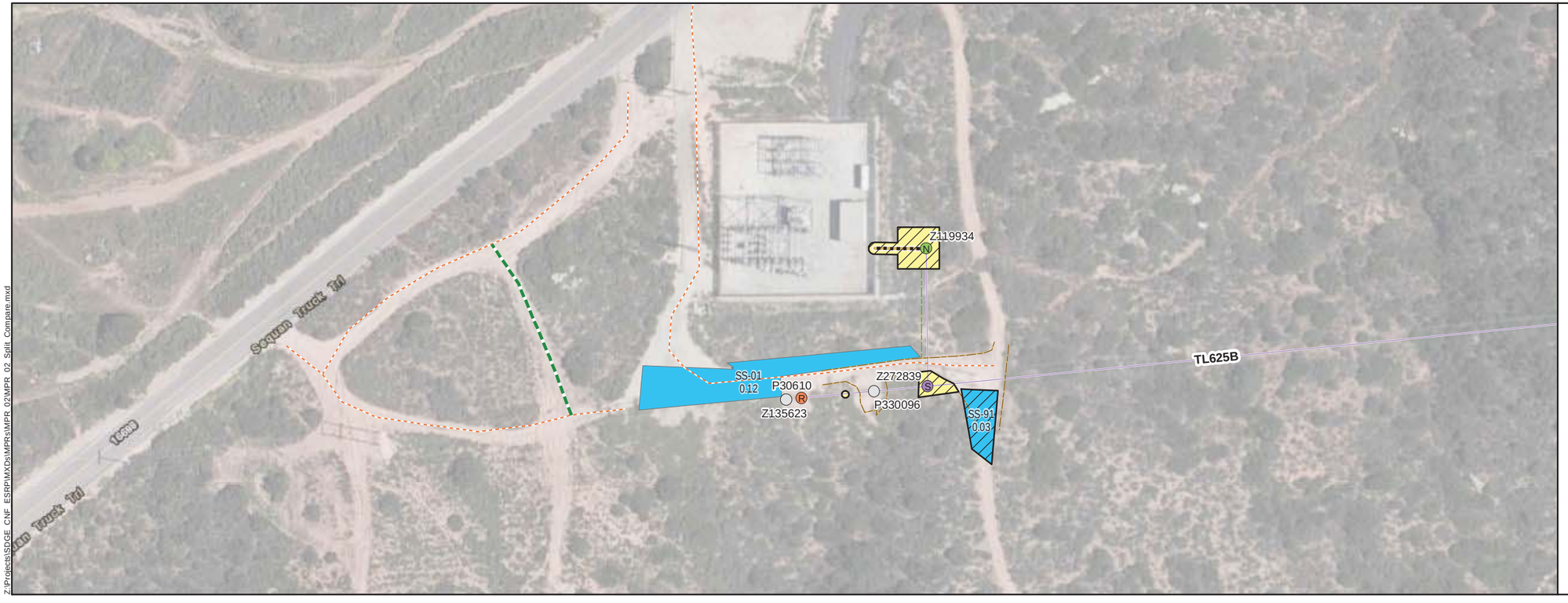
Cleveland National Forest
Power Line Replacement Projects



2015 Preliminary Design

- New Steel Pole
- Wood-to-Steel Replacement
- Undergrounding
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site





NTP #1

- New Steel Pole
- Pole Top Work Only
- Removal
- Wood-to-Steel Replacement
- Undergrounding
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Stringing Site
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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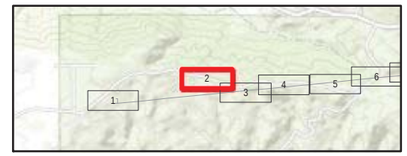
Attachment D:
Compare Map
TL625B Map 2 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Maintained Access Road
- Navigation Access Road
- Stringing Site



NTP #1

- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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12/20/2016

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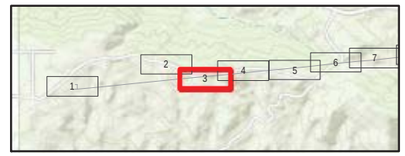
Attachment D:
Compare Map
TL625B Map 3 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- New Steel Pole
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Maintained Access Road
- Navigation Access Road



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement 12 kV Only
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Construction Only Access Road
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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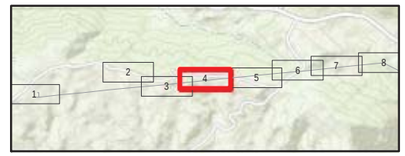
Attachment D:
Compare Map
TL625B Map 4 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road



NTP #1

- Pole Top Work Only
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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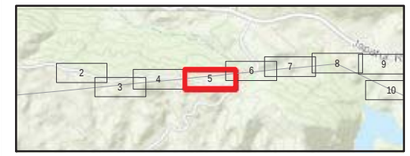
Attachment D:
Compare Map
TL625B Map 5 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Guard Structure Work Area
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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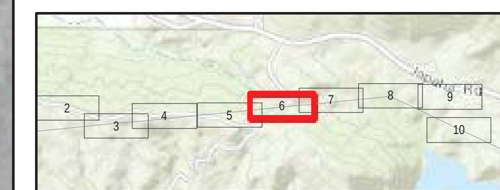
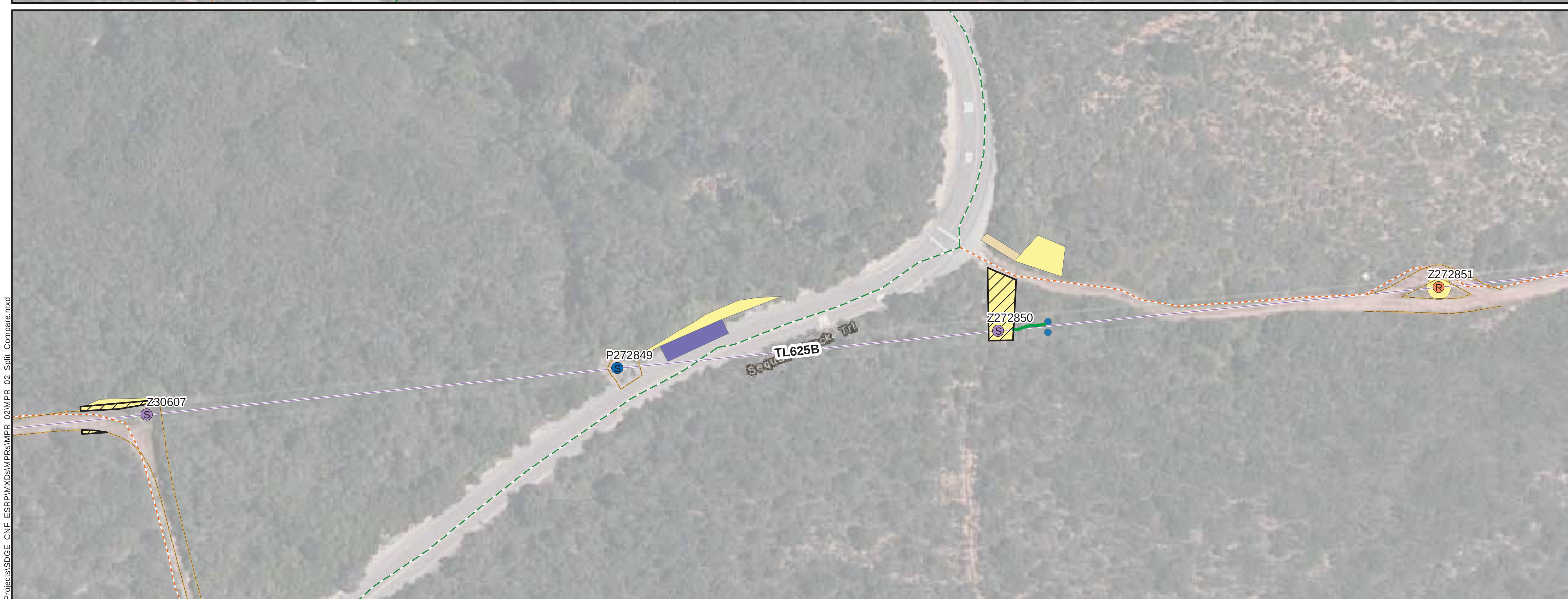
Attachment D:
Compare Map
TL625B Map 6 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road
- Stringing Site





NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement 12 kV Only
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Guard Structure Work Area
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

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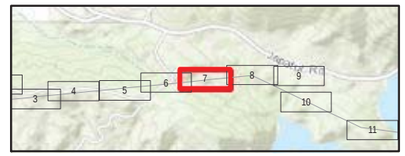
Attachment D:
Compare Map
TL625B Map 7 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Maintained Access Road
- Stringing Site



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Maintained Access Road
- Temporary Workspace

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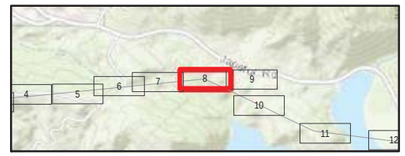
Attachment D:
Compare Map
TL625B Map 8 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



Z272854

Z272855

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

TL625B

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INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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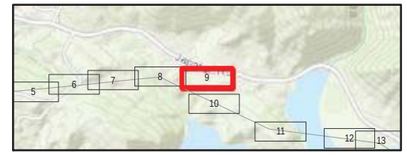
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Maintained Access Road

Stringing Site



NTP #1

Maintained Access Road

Navigation Access Road

MPR #2

Maintained Access Road

Staging Area

SDGE
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INSIGNIA ENVIRONMENTAL

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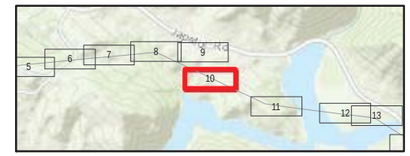
Attachment D:
Compare Map
TL625B Map 10 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



Z272856

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Temporary Workspace

Z272856

TL625B

SDGE
a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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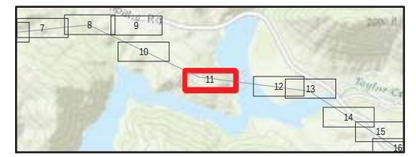
Attachment D:
Compare Map
TL625B Map 11 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Temporary Workspace

Z272858
Z272859
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TL625B

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a Sempra Energy utility
INSIGNIA ENVIRONMENTAL

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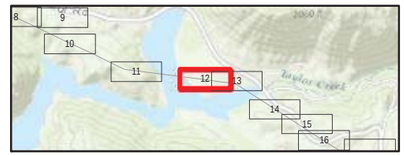
Attachment D:
Compare Map
TL625B Map 12 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Approved Area

MPR #2

- Footpath
- Stringing Site
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
TL625B Map 13 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

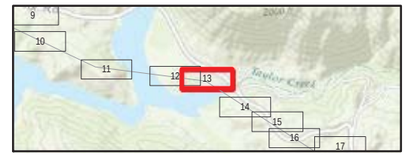
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site

NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Construction Only Access Road
- Stringing Site
- Temporary Workspace



SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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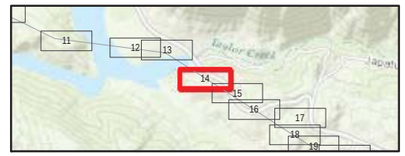
Attachment D:
Compare Map
TL625B Map 14 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Access Road Work - Permanent Disturbance
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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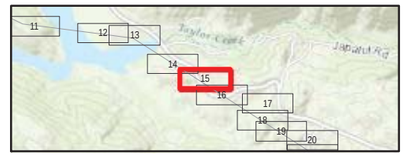
Attachment D:
Compare Map
TL625B Map 15 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



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NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Approved Area

MPR #2

- Anchor Workspace
- Guard Structure Work Area
- Temporary Workspace

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INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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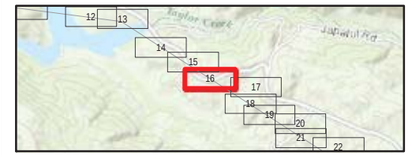
Attachment D:
Compare Map
TL625B Map 16 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Approved Area

MPR #2

- Guard Structure Work Area
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

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INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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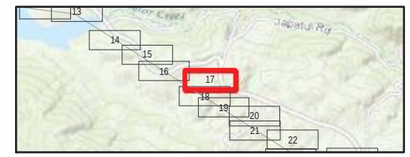
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Wood-to-Steel Replacement



NTP #1

Pole Top Work Only

Wood-to-Steel Replacement Overhead

Footpath

Approved Area

MPR #2

Footpath

Temporary Workspace

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TL625B

1327

Japatul Rd

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INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement

NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Approved Area

MPR #2

- Footpath
- Temporary Workspace

Z272872

272873

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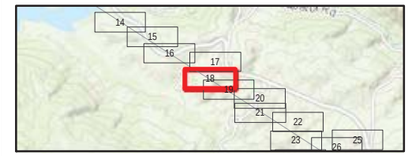
Z272872

Z272873



SDGE
A Sempra Energy utility
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Attachment D:
Compare Map
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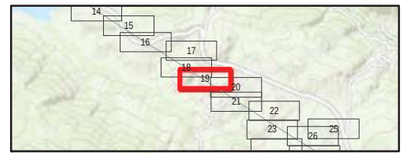
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



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TL625B

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016

NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Footpath
- Maintained Access Road
- Approved Area

MPR #2

- Footpath
- Maintained Access Road
- Stringing Site
- Temporary Workspace

SDGE
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INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

12/20/2016

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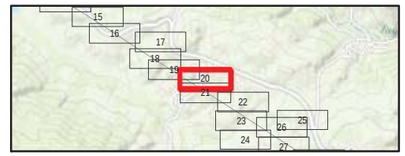
Attachment D:
Compare Map
TL625B Map 20 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Approved Area

MPR #2

- Footpath
- Maintained Access Road
- Navigation Access Road
- Anchor Workspace
- Construction Only Access Road
- Stringing Site
- Temporary Workspace

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INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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Attachment D:
Compare Map
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Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

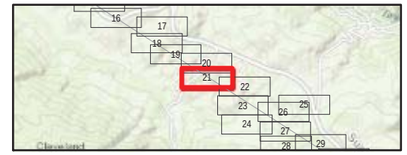
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Maintained Access Road
- Stringing Site

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Construction Only Access Road
- Stringing Site
- Temporary Workspace



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INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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Attachment D:
Compare Map
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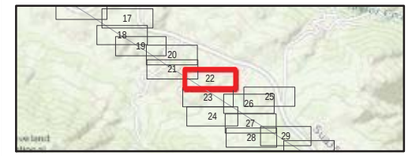
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road
- Stringing Site



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P977012

TL625B

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Bare Ground
- Temporary Workspace

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INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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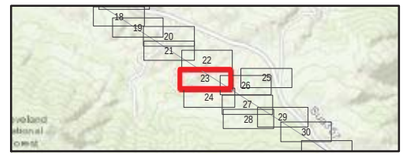
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road
- Stringing Site



Z272877

SS A
0.08

Z272878

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Construction Only Access Road
- Temporary Workspace

Z272877

P373255

TL625B

Z272878

SDGE
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INSIGNIA ENVIRONMENTAL

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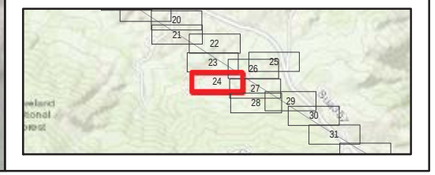
Attachment D:
Compare Map
TL625B Map 24 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- New Steel Pole
- Wood-to-Steel Replacement



P675321

TL625B

P30512

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement 12 kV Only
- Wood-to-Steel Replacement Overhead
- Footpath
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Bare Ground
- Temporary Workspace

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a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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Attachment D:
Compare Map
TL625B Map 25 of 39

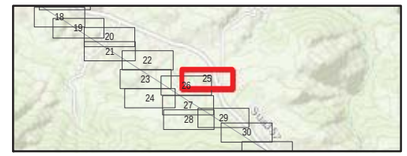
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Maintained Access Road

Navigation Access Road

United States Forest Service



NTP #1

Navigation Access Road

MPR #2

Navigation Access Road

Fly Yard

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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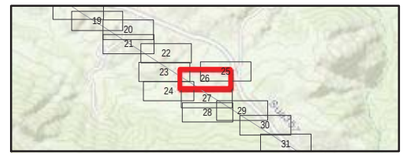
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- New Steel Pole
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road



Z272878

P675321

P675322

Japatul
Fly Yard
0.42

P970798

TL625B

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement 12 kV Only
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Fly Yard
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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Attachment D:
Compare Map
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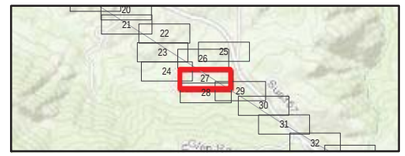
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Navigation Access Road



Z272879

Z272880

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Navigation Access Road
- Temporary Workspace

TL625B

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INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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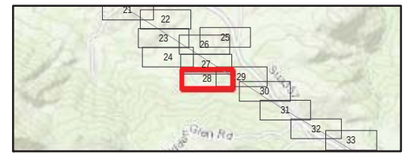
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- United States Forest Service



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Footpath
- Approved Area

MPR #2

- Footpath
- Navigation Access Road
- Anchor Workspace
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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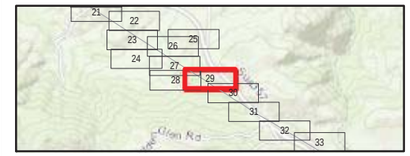
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access

United States Forest Service



Z272880

272881

TL625B

Z272881

NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Approved Area

MPR #2

- Footpath
- Temporary Workspace

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Attachment D:
Compare Map
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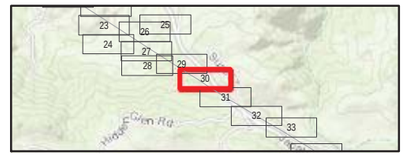
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access

United States Forest Service



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Temporary Workspace

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INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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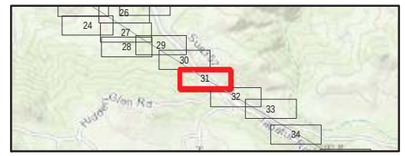
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Navigation Access Road

United States Forest Service



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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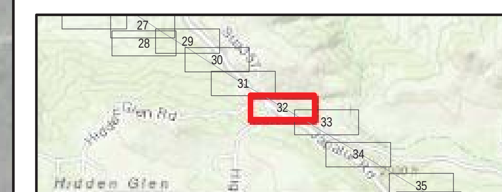
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Navigation Access Road
- United States Forest Service



NTP #1

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Temporary Workspace

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INSIGNIA ENVIRONMENTAL

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Attachment D:
Compare Map
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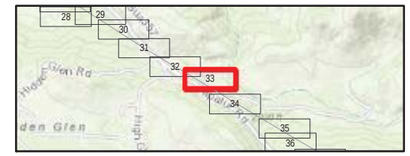
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Navigation Access Road
- Staging Area

United States Forest Service



[Z272889]
R
S 272889

Z272890
S

Snyder
Staging Yard
0.92

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Temporary Workspace

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S

TL625B

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S

P473732

P275748

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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Attachment D:
Compare Map
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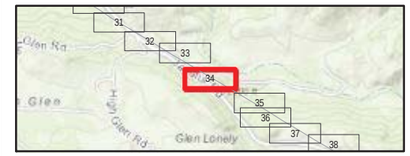
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Navigation Access Road

United States Forest Service



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Anchor Workspace
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

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Attachment D:
Compare Map
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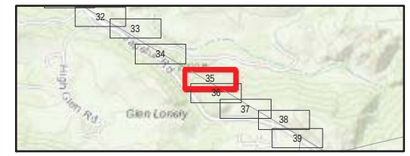
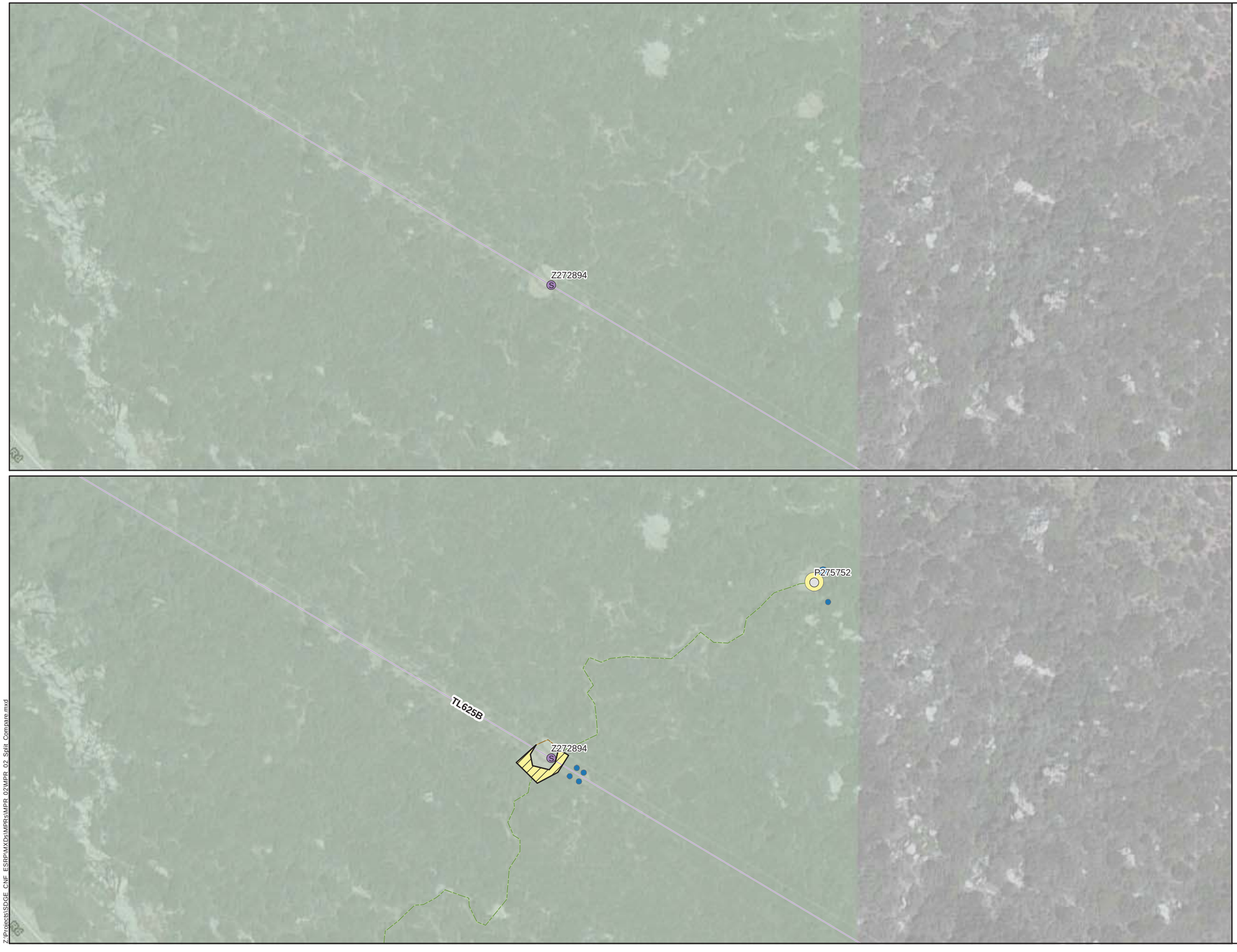
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- United States Forest Service





NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Approved Area

MPR #2

- Anchor Workspace
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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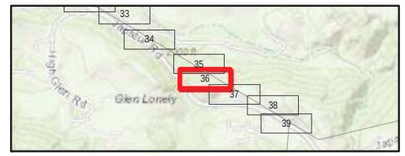
Attachment D:
Compare Map
TL625B Map 36 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access

United States Forest Service



Z272895

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Construction Only Access Road
- Temporary Workspace

TL625B

Z272895

Sempra Energy utility

1:1,200

0 100 200 Feet

12/20/2016

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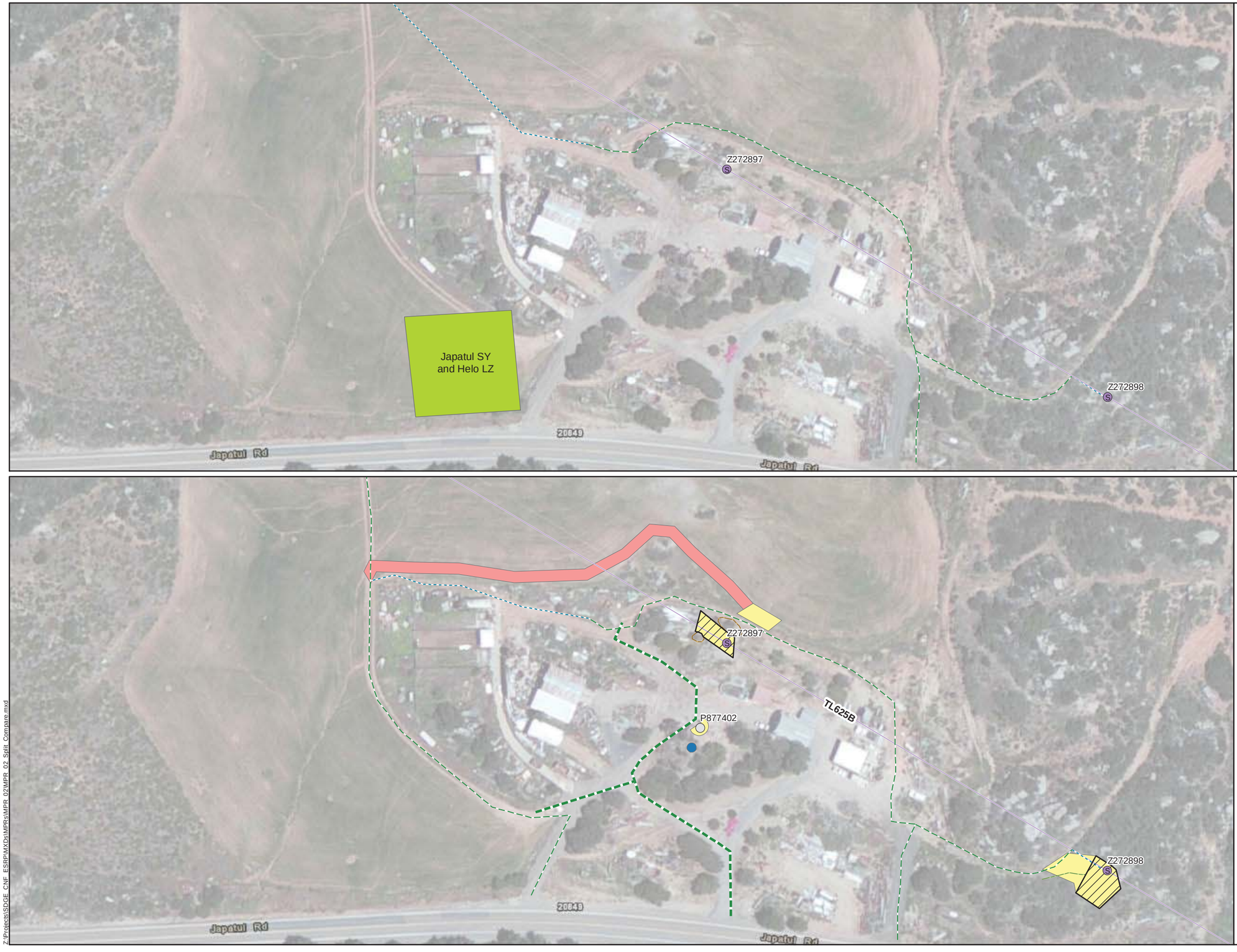
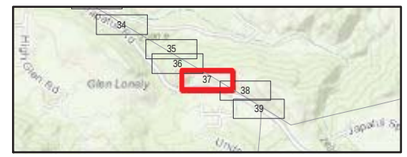
Attachment D:
Compare Map
TL625B Map 37 of 39

Cleveland National Forest
Power Line Replacement Projects



2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Navigation Access Road
- Fly Yard and Staging Area



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Construction Only Access Road
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

N

1:1,200

0 100 200 Feet

12/20/2016

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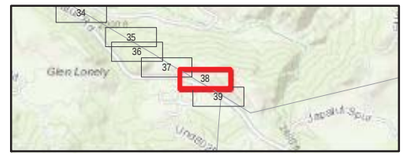
Attachment D:
Compare Map
TL625B Map 38 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Navigation Access Road



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Bare Ground
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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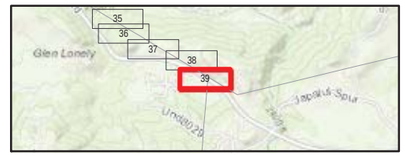
Attachment D:
Compare Map
TL625B Map 39 of 39

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Navigation Access Road
- Staging Area
- Stringing Site



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Navigation Access Road
- Approved Area

MPR #2

- Wood-to-Steel Replacement
- Footpath
- Navigation Access Road
- Anchor Workspace
- Stringing Site
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
TL629E Map 1 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road
- Stringing Site

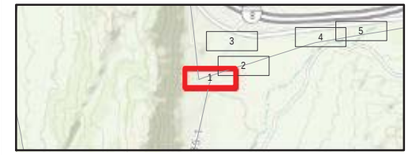
United States Forest Service

NTP #1

- Pole Top Work Only
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Stringing Site
- Temporary Workspace



SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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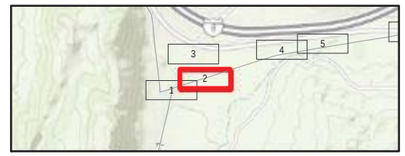
Attachment D:
Compare Map
TL629E Map 2 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Navigation Access Road
- Stringing Site



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Navigation Access Road
- Approved Area

MPR #2

- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
TL629E Map 3 of 46

Cleveland National Forest
Power Line Replacement Projects

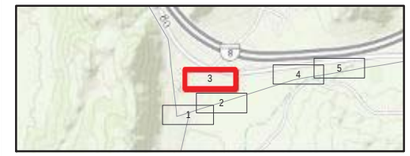
2015 Preliminary Design

Navigation Access Road

Fly Yard

Staging Area

United States Forest Service



Old Highway 80

Dirt Road

Kitchen Creek Staging Yard 0.92

Kitchen Creek Helo Site 0.13

NTP #1

Navigation Access Road

Approved Area

MPR #2

Navigation Access Road

Fly Yard

Staging Area

Temporary Work Entry/Parking/Turnaround

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INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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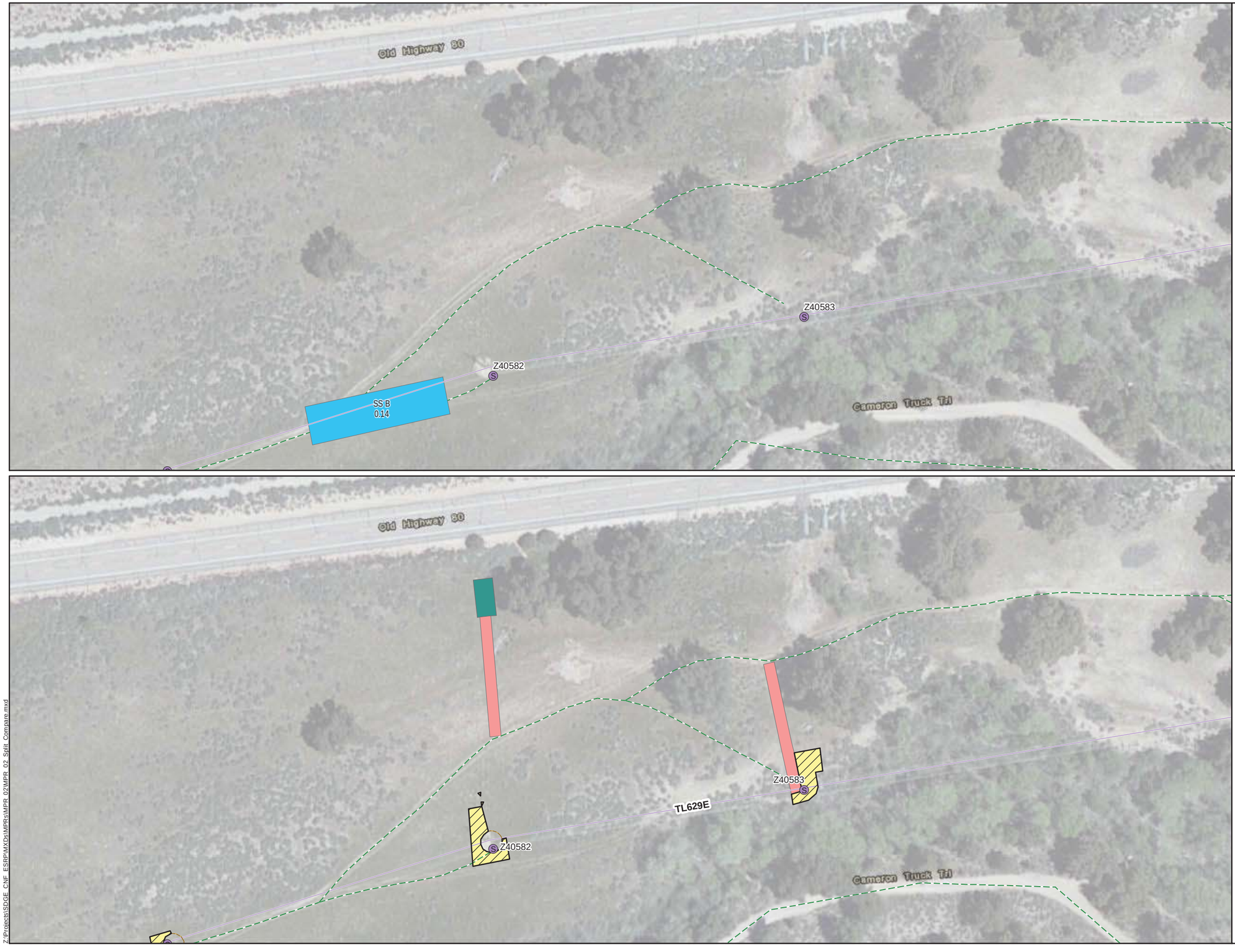
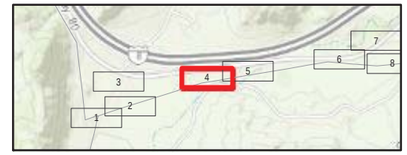
Attachment D:
Compare Map
TL629E Map 4 of 46

Cleveland National Forest
Power Line Replacement Projects



2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Navigation Access Road
- Stringing Site



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Navigation Access Road
- Approved Area

MPR #2

- Construction Only Access Road
- Temporary Workspace
- Vault

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INSIGNIA ENVIRONMENTAL

N

1:1,200

0 100 200 Feet

12/20/2016

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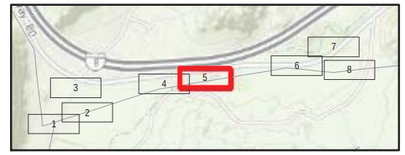
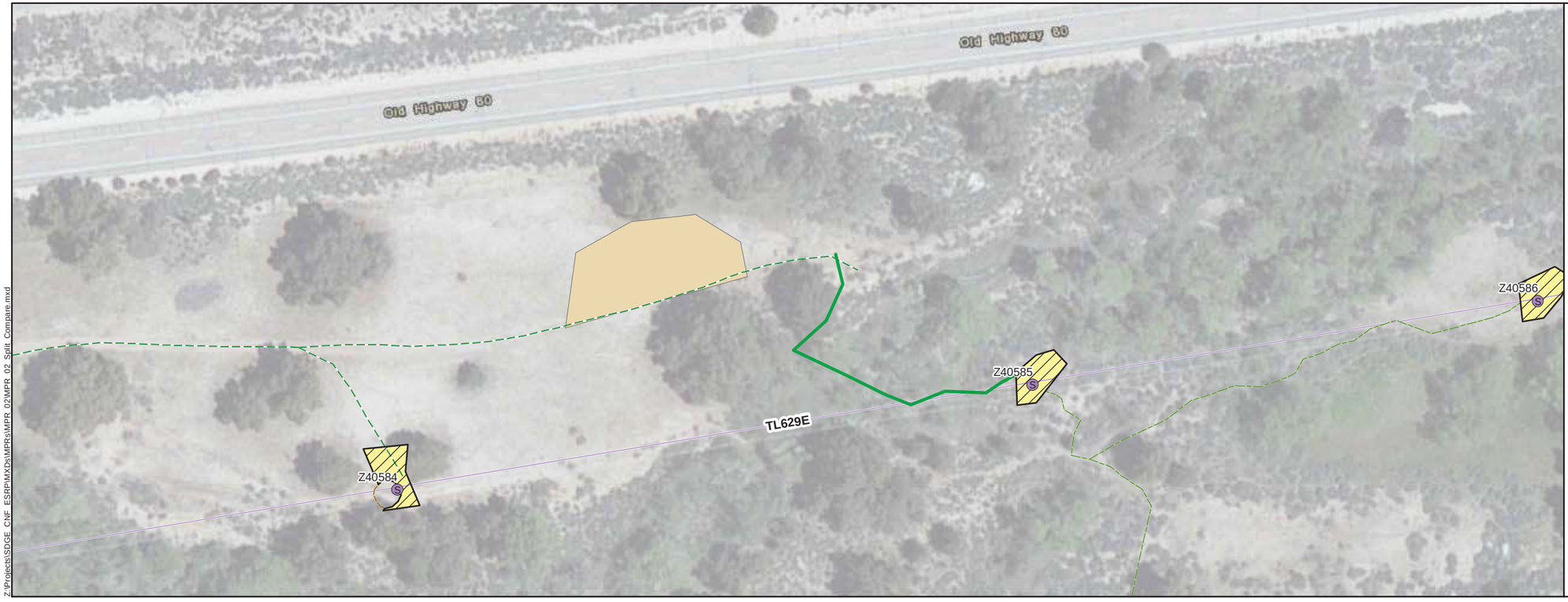
Attachment D:
Compare Map
TL629E Map 5 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Navigation Access Road





NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

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INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

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Attachment D:
Compare Map
TL629E Map 6 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Navigation Access Road
- Stringing Site

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Navigation Access Road
- Approved Area

MPR #2

- Pole Top Work Only
- Wood-to-Steel Replacement
- Navigation Access Road
- Anchor Workspace
- Stringing Site
- Temporary Workspace

Old Highway 80

Z40589

Z40590

SS X441
0.11

Z44158

Z44159

P40631

P40630

SS-07
0.09

TL629E

SS-08
0.14

1:1,200
0 100 200 Feet

12/20/2016

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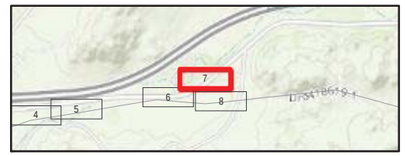
Attachment D:
Compare Map
TL629E Map 7 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design



Old Highway 80

NTP #1

MPR #2

Navigation Access Road

SDGE
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INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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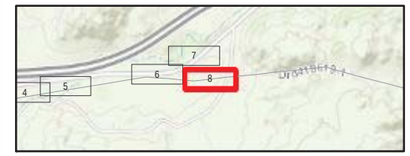
Attachment D:
Compare Map
TL629E Map 8 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road
- Staging Area
- Stringing Site

United States Forest Service



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Anchor Workspace
- Guard Structure Work Area
- Temporary Workspace

SDGE
a Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200
0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
TL629E Map 9 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Navigation Access Road
- Stringing Site

United States Forest Service

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Guard Structure Work Area
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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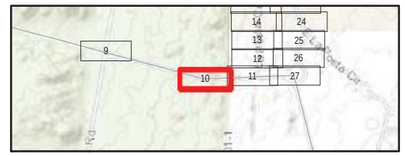
Attachment D:
Compare Map
TL629E Map 10 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road

United States Forest Service



Z44177

Z44178-79

Z44180-81

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Maintained Access Road
- Approved Area

MPR #2

- Anchor Workspace
- Temporary Workspace

Z44177

TL629E

Z44178

Z44180

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

N

1:1,200

0 100 200 Feet

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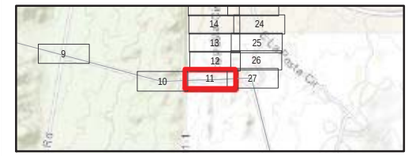
Attachment D:
Compare Map
TL629E Map 11 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site
- United States Forest Service



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

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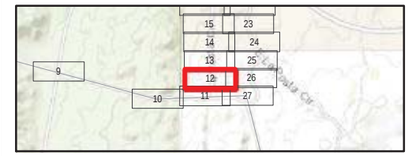
Attachment D:
Compare Map
TL629E Map 12 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design



NTP #1

Construction Only Access

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

ENSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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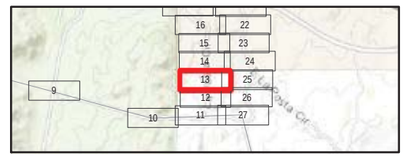
Attachment D:
Compare Map
TL629E Map 13 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design



NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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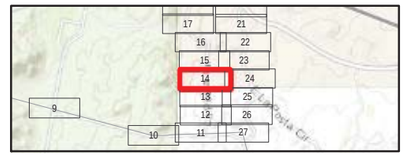
Attachment D:
Compare Map
TL629E Map 14 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design



NTP #1

MPR #2

Navigation Access Road

1:1,200

0 100 200 Feet

12/20/2016

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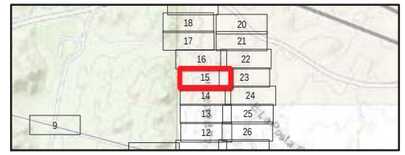
Attachment D:
Compare Map
TL629E Map 15 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design



NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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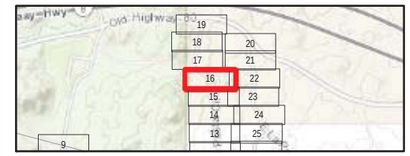
Attachment D:
Compare Map
TL629E Map 16 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Construction Only Access

United States Forest Service



NTP #1

MPR #2

Navigation Access Road

1:1,200

0 100 200 Feet

12/20/2016

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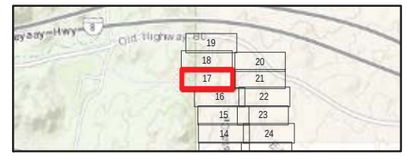
Attachment D:
Compare Map
TL629E Map 17 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Construction Only Access

United States Forest Service



NTP #1

MPR #2

Navigation Access Road

1:1,200

0 100 200 Feet

12/20/2016

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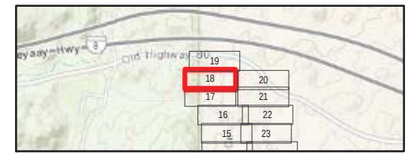
Attachment D:
Compare Map
TL629E Map 18 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

United States Forest Service



La Posta Cir

NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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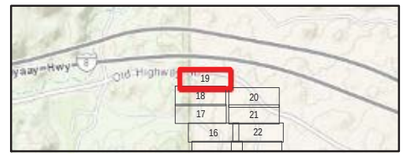
Attachment D:
Compare Map
TL629E Map 19 of 46

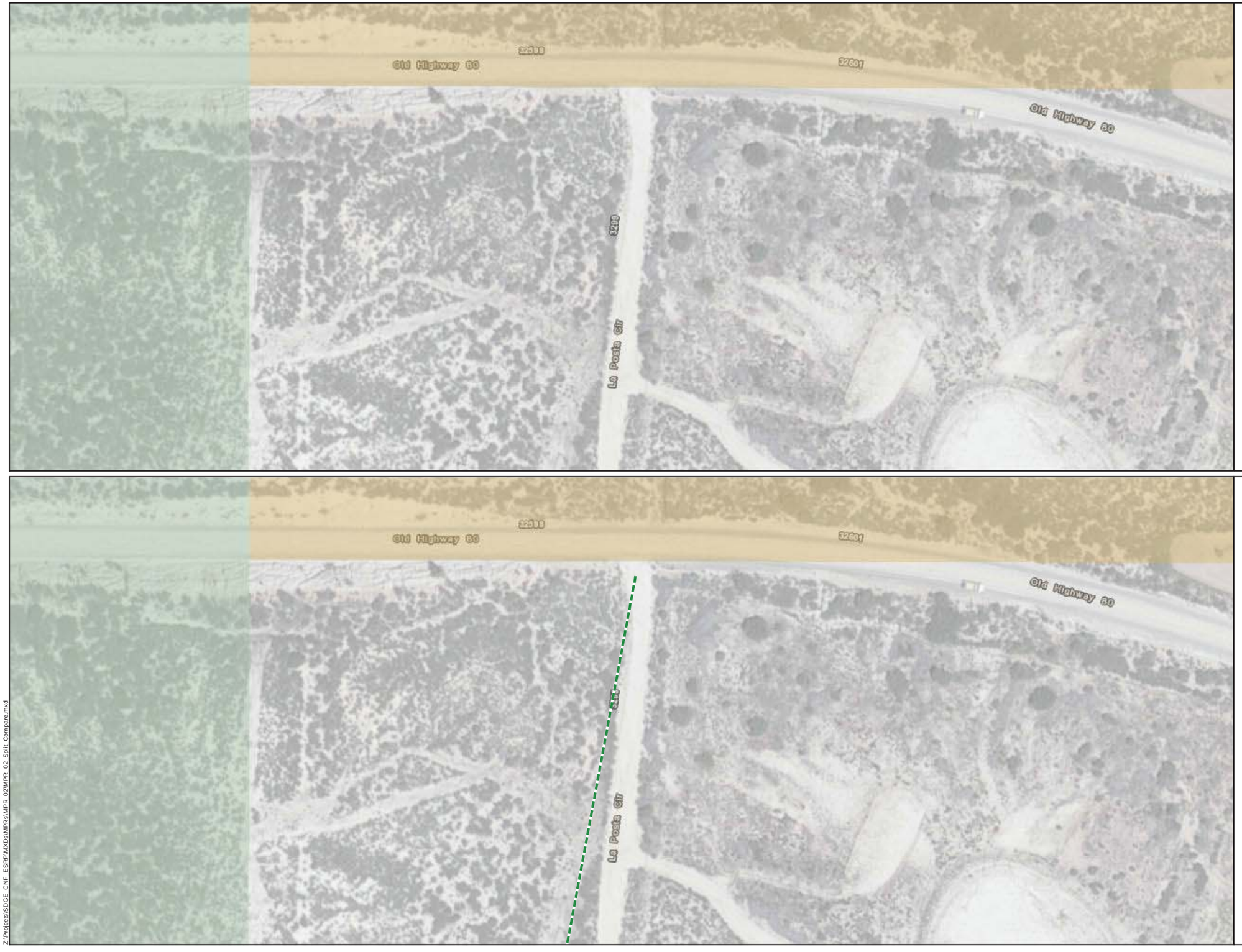
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

United States Forest Service

Bureau of Indian Affairs Land





NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

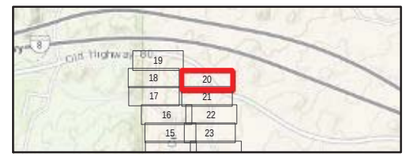
Z:\Projects\SDGE_CNF_ESRI\MXDs\MPRs\MPR 02\MPR 02 Split Compare.mxd

Attachment D:
Compare Map
TL629E Map 20 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Bureau of Indian Affairs Land



NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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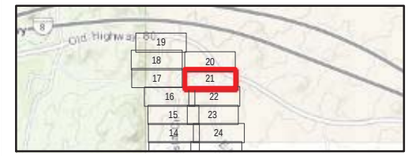
Attachment D:
Compare Map
TL629E Map 21 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Bureau of Indian Affairs Land



NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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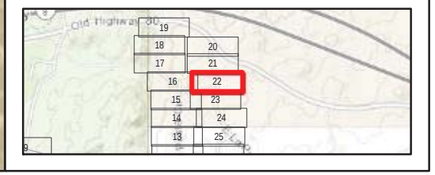
Attachment D:
Compare Map
TL629E Map 22 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Bureau of Indian Affairs Land



NTP #1

MPR #2

Navigation Access Road

1:1,200

0 100 200 Feet

12/20/2016

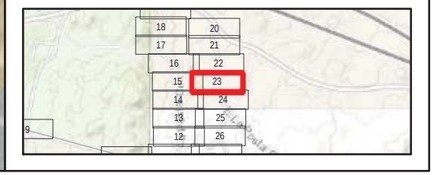
Z:\Projects\SDGE_CNF_ESRI\MXDs\MPRs\MPR 02\MPR_02_Split_Compare.mxd

Attachment D:
Compare Map
TL629E Map 23 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Bureau of Indian Affairs Land



NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

N

1:1,200

0 100 200 Feet

12/20/2016

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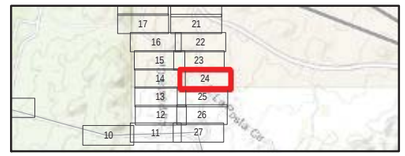
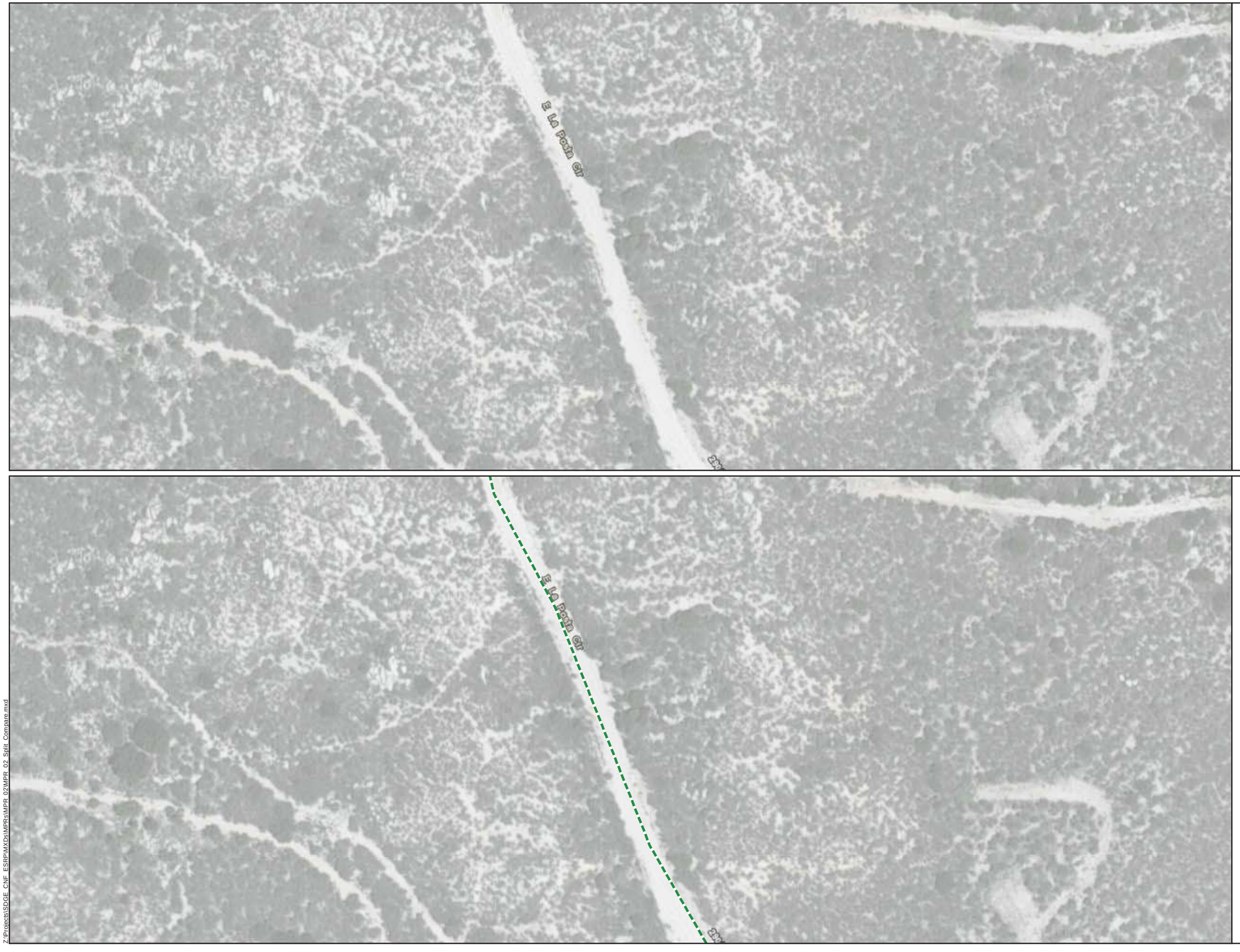
Attachment D:
Compare Map
TL629E Map 24 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design





NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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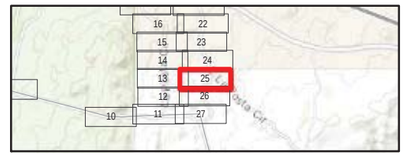
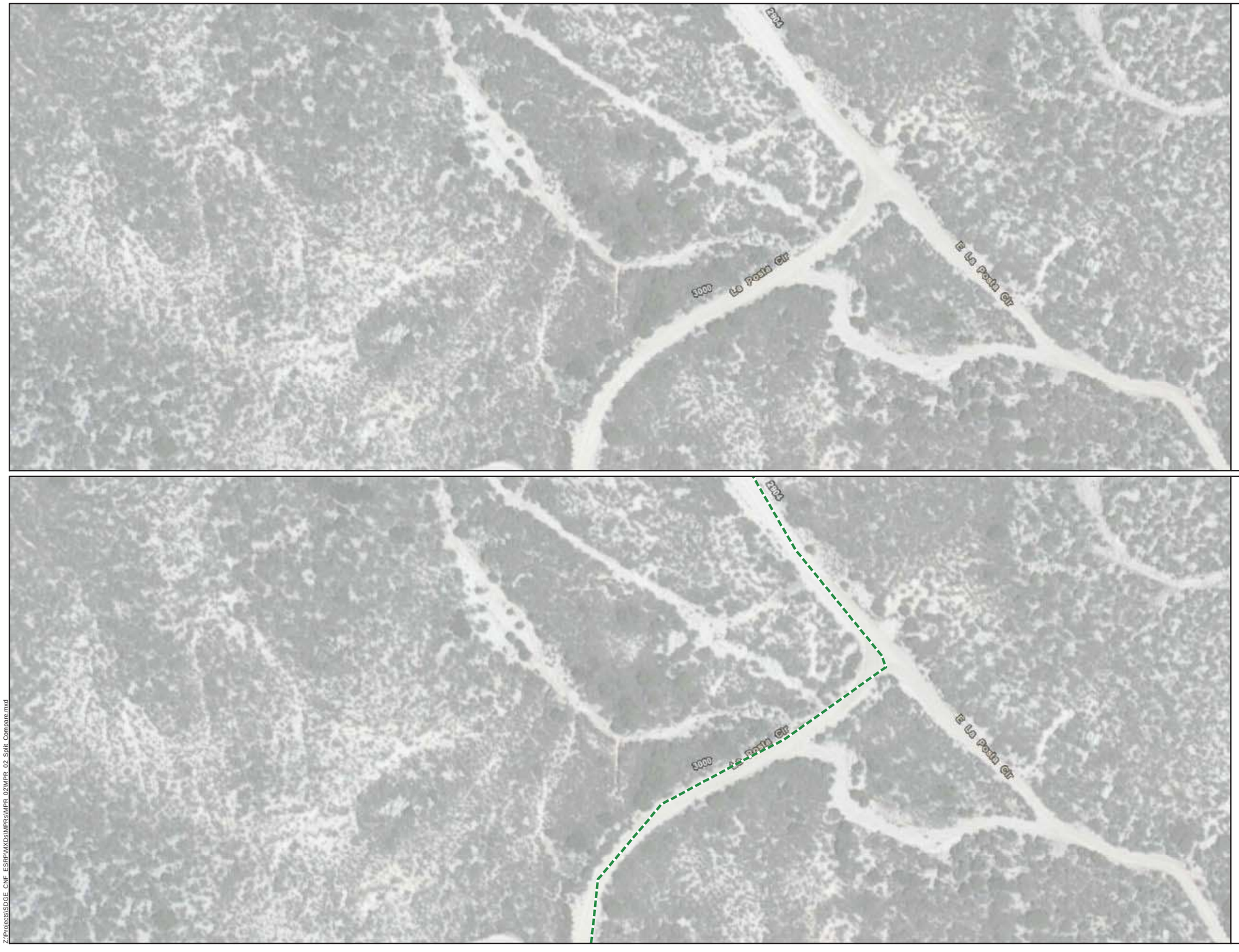
Attachment D:
Compare Map
TL629E Map 25 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design





NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200
0 100 200 Feet

12/20/2016

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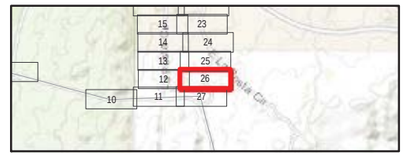
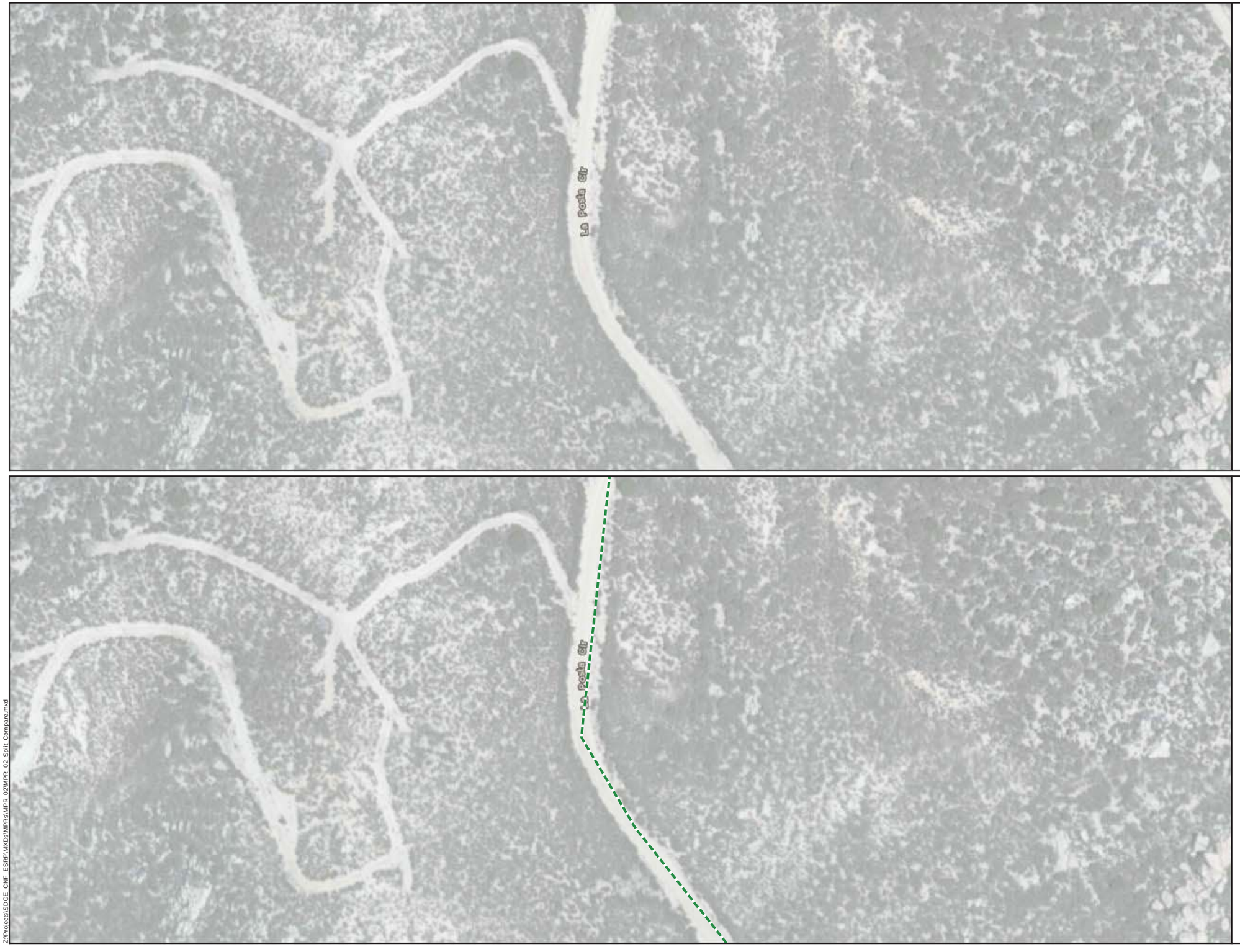
Attachment D:
Compare Map
TL629E Map 26 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design





NTP #1

MPR #2

Navigation Access Road

SDGE
A Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200
0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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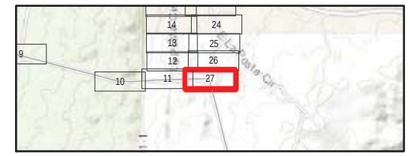
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Stringing Site



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Stringing Site
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

N

1:1,200

0 100 200 Feet

12/20/2016

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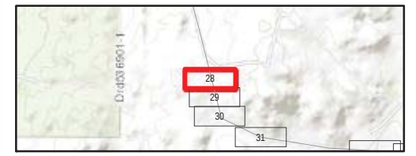
Attachment D:
Compare Map
TL629E Map 28 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



Z44191

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Temporary Workspace

TL629E

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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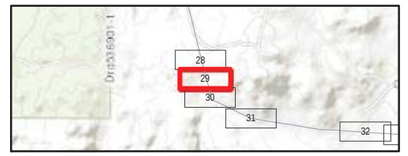
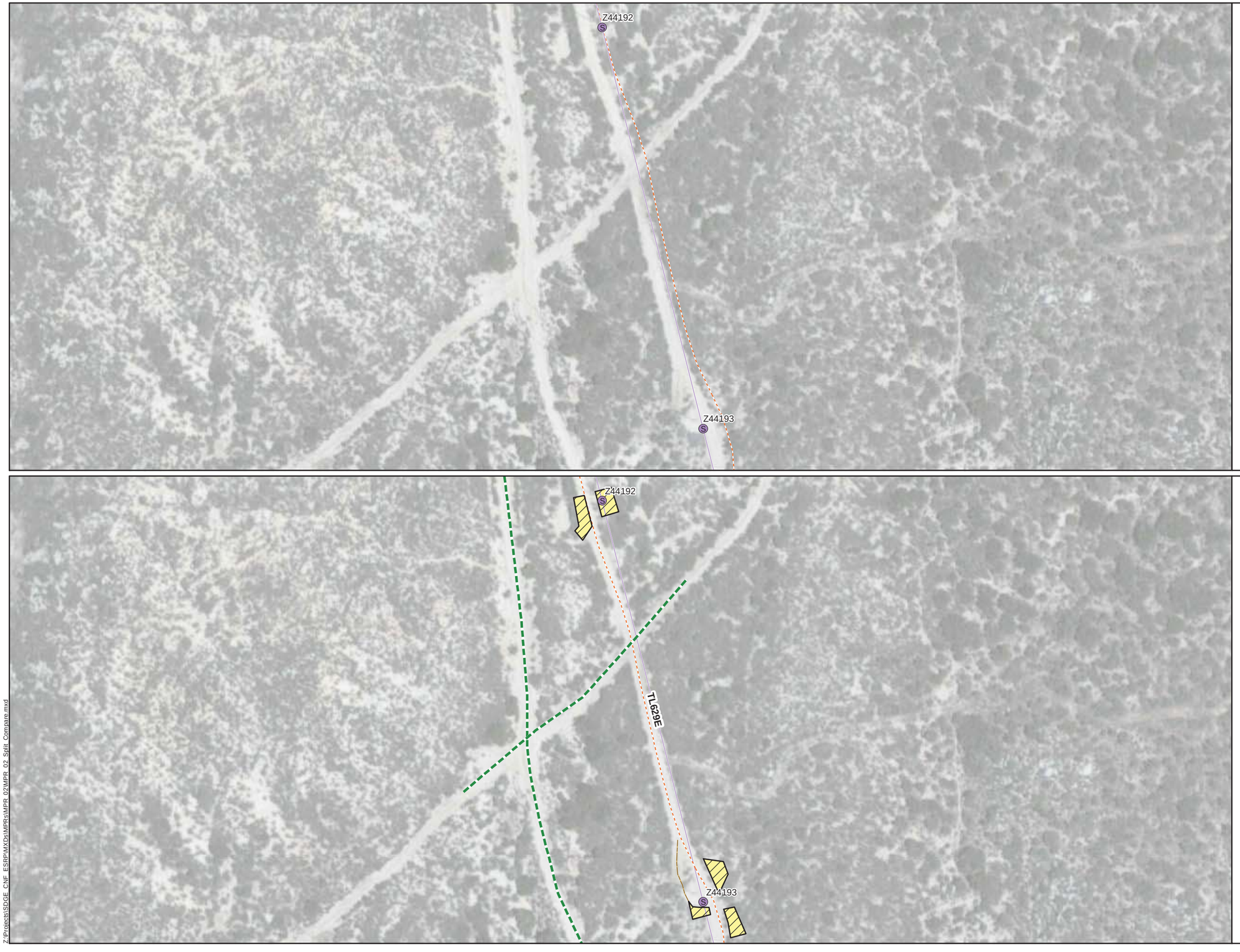
Attachment D:
Compare Map
TL629E Map 29 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road





NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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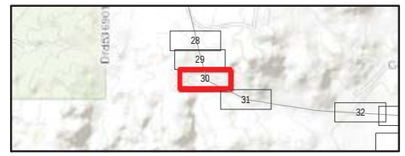
Attachment D:
Compare Map
TL629E Map 30 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Anchor Workspace
- Stringing Site
- Temporary Workspace

SS H
0.13

SS H
0.09

SS I
0.08

Z44194

Z44195

SS 11
0.06

SS 12
0.08

TL629E

SDGE
A Sempra Energy utility

INSIGNIA ENVIRONMENTAL

N

1:1,200

0 100 200 Feet

12/20/2016

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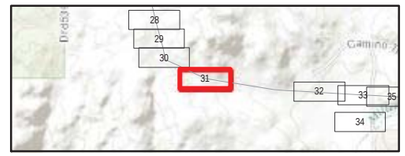
Attachment D:
Compare Map
TL629E Map 31 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road

U.S. Bureau of Land Management



Z44196

Z44197

Z44198

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Approved Area

MPR #2

- Navigation Access Road
- Temporary Workspace

TL629E

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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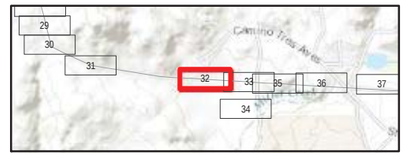
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Approved Area

MPR #2

- Guard Structure Work Area
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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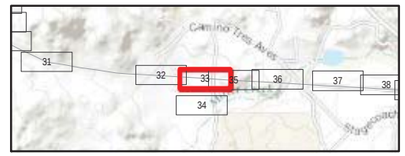
Attachment D:
Compare Map
TL629E Map 33 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



Z44205

Z44206

Miller Valley Rd

SS-84
0.08

TL629E

SS-13
0.07

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Construction Only Access Road
- Guard Structure Work Area
- Stringing Site
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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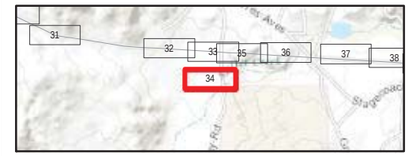
Attachment D:
Compare Map
TL629E Map 34 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

Maintained Access Road

Bureau of Indian Affairs Land



NTP #1

Maintained Access Road

Navigation Access Road

MPR #2

Construction Only Access Road

Staging Area

Miller Valley
Staging Yard
2.29

SDGE
a Sempra Energy utility

ENSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

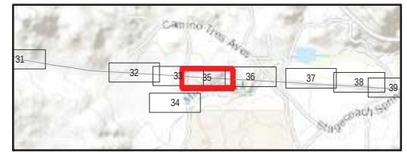
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site

NTP #1

- Pole Top Work Only
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Footpath
- Construction Only Access Road
- Guard Structure Work Area
- Stringing Site
- Temporary Workspace



1:1,200
0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site

NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Anchor Workspace
- Temporary Workspace

SS X443
0.05

SS J
0.25

Z44208

Z44209

Z44210-11

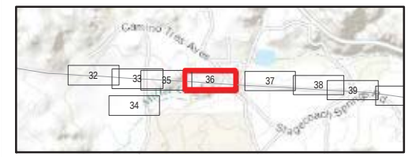
P40836

P199313S

TL629E

Z44210

Camino Tres Arco



1:1,200
0
100
200
Feet

12/20/2016

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Attachment D:
Compare Map
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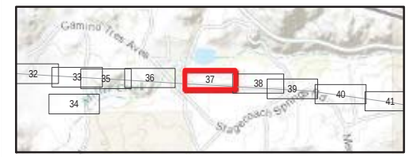
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



NTP #1

- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Pole Top Work Only
- Removal
- Footpath
- Anchor Workspace
- Guard Structure Work Area
- Temporary Workspace

SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

1:1,200

0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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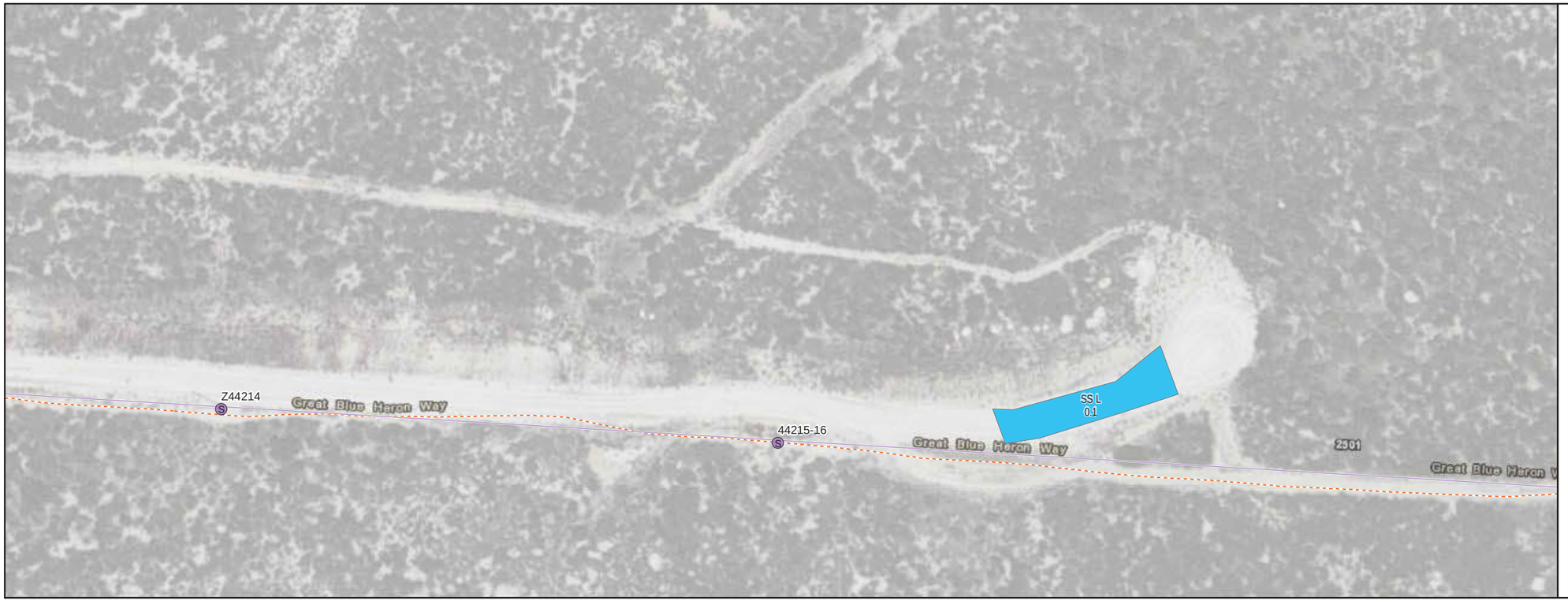
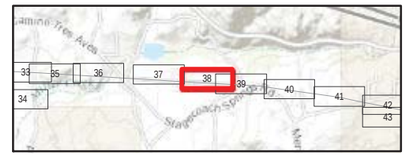
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site



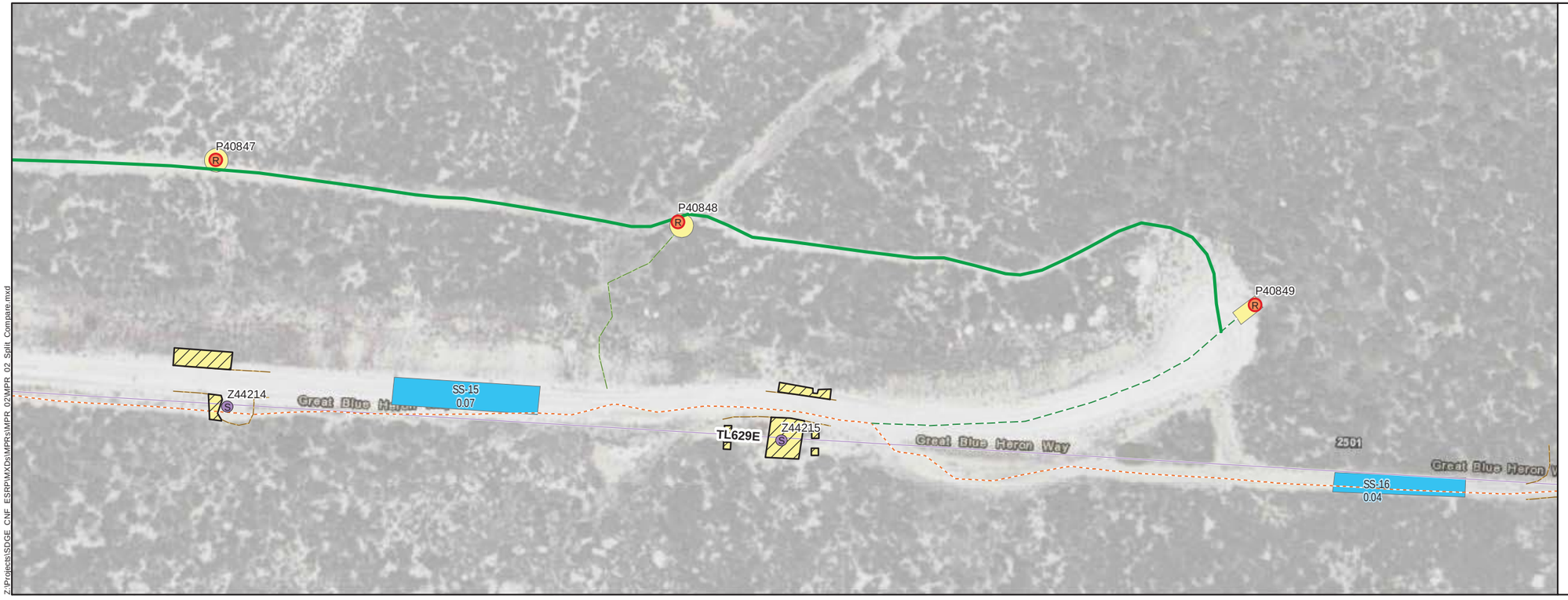


NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Footpath
- Stringing Site
- Temporary Workspace



SDGE a Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200
0 100 200 Feet

12/20/2016

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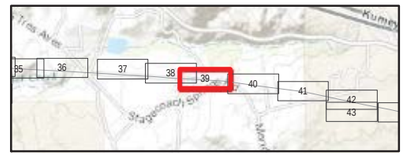
Attachment D:
Compare Map
TL629E Map 39 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- New Steel Pole
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site



P40850
SS L
0.1
2501
Great Blue Heron Way
P250026
P-4 NEW
[P40851]
P40852
44217-18
Z44219
Stagecoach Springs Rd

P40849
P40850
2501
Great Blue Heron Way
SS-16
0.04
P250026
TL629E
P40851
Z44217
P40852
SS-17
0.04
Z44219
Springs Rd
Stagecoach Springs Rd

NTP #1

- New Steel Pole
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Footpath
- Navigation Access Road
- Anchor Workspace
- Stringing Site
- Temporary Workspace

SDGE a Sempra Energy utility
INSIGNIA ENVIRONMENTAL

1:1,200
0 100 200 Feet

12/20/2016

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Attachment D:
Compare Map
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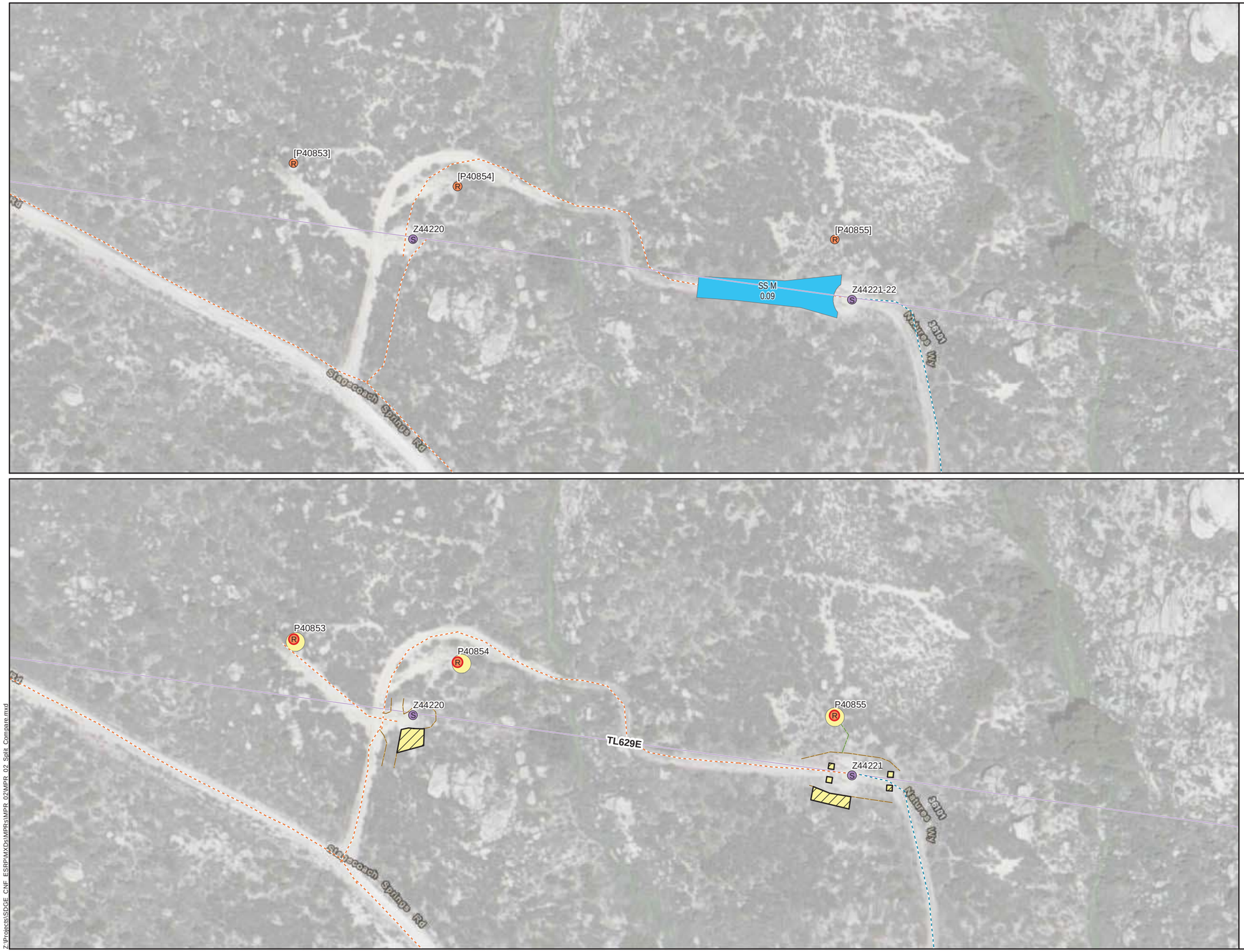
Cleveland National Forest
Power Line Replacement Projects



2015 Preliminary Design

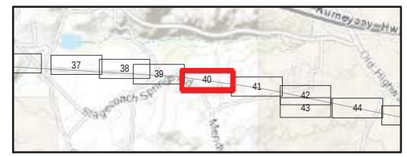
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Construction Only Access
- Maintained Access Road
- Stringing Site

NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Construction Only Access
- Maintained Access Road
- Approved Area

MPR #2

- Removal
- Temporary Workspace



SDGE a Sempra Energy utility

INSIGNIA ENVIRONMENTAL

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0 100 200 Feet

12/20/2016

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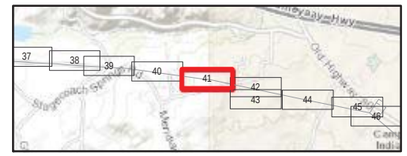
Attachment D:
Compare Map
TL629E Map 41 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- New Steel Pole
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road



NTP #1

- New Steel Pole
- Pole Top Work Only
- Removal
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Footpath
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Wood-to-Steel Replacement
- Footpath
- Navigation Access Road
- Temporary Workspace

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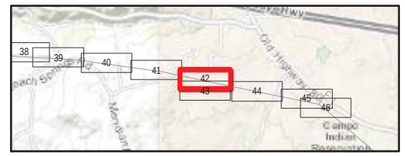
Attachment D:
Compare Map
TL629E Map 42 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- New Steel Pole
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road

- Bureau of Indian Affairs Land



P250024
P-2 NEW

Z44227

Z44228

P165714
P165714

P208956

P40861

P250024

P40862

P190371

Z44227

TL629E

P41025

Z44228

NTP #1

- New Steel Pole
- Pole Top Work Only
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Wood-to-Steel Replacement
- Navigation Access Road
- Anchor Workspace
- Temporary Workspace

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Attachment D:
Compare Map
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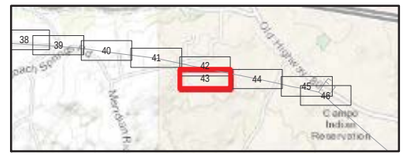
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road

- Bureau of Indian Affairs Land



NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Wood-to-Steel Replacement
- Navigation Access Road
- Anchor Workspace
- Temporary Workspace

Z44228

P41025

TL629E

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Attachment D:
Compare Map
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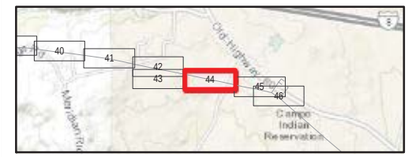
Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Guard Structure
- Wood-to-Steel Replacement
- Wood-to-Steel Replacement
- Maintained Access Road

- Bureau of Indian Affairs Land



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NTP #1

- Wood-to-Steel Replacement
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Construction Only Access
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Footpath
- Anchor Workspace
- Construction Only Access Road
- Guard Structure Work Area
- Temporary Workspace

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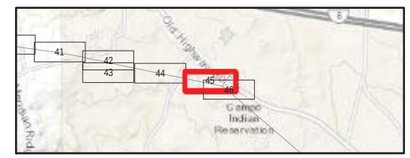
Attachment D:
Compare Map
TL629E Map 45 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Undergrounding
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site
- Bureau of Indian Affairs Land



NTP #1

- New Steel Pole
- Wood-to-Steel Replacement
- Undergrounding
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Undergrounding
- Anchor Workspace
- Bore Pit
- Stringing Site
- Temporary Workspace
- Temporary Work Entry/Parking/Turnaround

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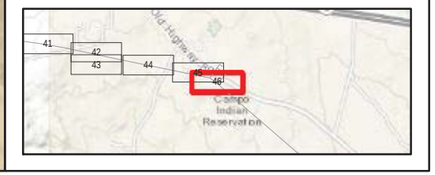
Attachment D:
Compare Map
TL629E Map 46 of 46

Cleveland National Forest
Power Line Replacement Projects

2015 Preliminary Design

- Wood-to-Steel Replacement
- Undergrounding
- Wood-to-Steel Replacement
- Maintained Access Road
- Stringing Site
- Bureau of Indian Affairs Land



Z100145
P41033
Z44234
SS X540
0.12
SS O
0.21
Old Highway 80
Old Highway 80

P41032
P190481
P190480
P190479
P257767
P257768
Z100145
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P41033
P174084S
Z100035
SS-18
0.62
Old Highway 80
Old Highway 80

NTP #1

- New Steel Pole
- Wood-to-Steel Replacement
- Undergrounding
- Wood-to-Steel Replacement Overhead
- Existing Bare Ground
- Maintained Access Road
- Navigation Access Road
- Approved Area

MPR #2

- Removal
- Anchor Workspace
- Bore Pit
- Stringing Site
- Temporary Workspace

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INSIGNIA ENVIRONMENTAL

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