

October 31, 2012

Mr. Brandon Liddell  
Sr. Land Planner  
Pacific Gas and Electric Company  
77 Beale Street  
Post Office Box 7442, B30A  
San Francisco, CA 94120-7442

**RE: Data Request #3 for the Pacific Gas and Electric Company's Application for a Permit to Construct the Santa Cruz 115 Kilovolt Reinforcement Project (A. 12-01-012)**

Dear Brandon:

The California Public Utilities Commission (CPUC) requests additional data related to the Santa Cruz 115 kV Reinforcement Project (A.12-01-012). The CPUC seeks confirmation of several project details discussed with PG&E since July 2012. The CPUC also seeks confirmation of changes submitted by PG&E as a result of a detailed evaluation of project components on project maps.

Panorama, on behalf of the CPUC, has prepared this data request to capture all changes not addressed in previous data requests.

Panorama also requests additional data for analysis of environmental impacts.

**Project Layout**

1. Please confirm that the attached figures accurately represent all project elements and their locations based on the changes that have been made since July 2012. Please note that the project study area is shown as 250 feet on these figures; however, per recent discussion and confirmation under point 2 below, the study area will be changed to 150 feet around project features and 100 feet around staging and laydown areas.

**Project Study Area**

2. Please confirm that the "project study area", as shown in the attached figures, encompasses PG&E's potential project and project activities. The "project study area" is defined as a 150 foot buffer around all project features and on either side of the alignment (for a 300-foot total width around the power line) and 100 feet around staging and laydown areas.

**Project Schedule**

3. Please provide an update to the project schedule. It is our understanding that construction will now not likely begin until January 2014. Also, PG&E initially indicated that construction would take 6 months; however, based on site visits and

initial evaluation of impacts to sensitive resources; please confirm that construction may take up to 18 months.

4. Provide date that final engineering will be complete.

**Project Components**

5. Table 2-1, Table 2-3, and Table 2-4 in the PEA describe the number and types of poles installed and removed, the total length and acreages of access roads, and the total acreages of temporary work areas for the project. The footnote in each table indicates that the tables are preliminary and subject to change based on CPUC requirements, final engineering, and other factors.

The CPUC has recommended that a 10 percent “buffer” to each of these quantifications be included in the project description of the CEQA document and included in the project’s impact analyses in order to allow for flexibility in construction while still fully assessing the project’s environmental impacts in compliance with CEQA. Please confirm that including a 10-percent addition to the number of poles added, number of poles removed, trees removed, access road lengths, pole work area size, and total ground disturbance would cover potential changes to the project activities during construction based on previous experience with construction of similar projects.

**Pinto Lake Park Closures**

6. For how long would Pinto Lake County Park be closed during pole installation and removal activities?
7. Would Pinto Lake County Park be closed during the entire time period during which concrete for the TSP foundations is curing (estimated to be 7 to 14 days)?

**Water Use during Construction**

8. What is the new estimate of the quantity of water required for construction with the lengthened construction period of eighteen months? It currently is 240,000 gallons.

**Tree Removal**

9. How many of the 165 trees slated for removal are larger than 20 inches dbh?
10. How many of the 165 trees slated for removal are included in a sprout clump of five or more stems each of which is greater than 12 inches dbh?
11. How many of the 165 trees slated for removal are included in a group consisting of five or more trees on one parcel, each of which is greater than 12 inches dbh?

**Protests and Replies, Other Public Comments**

12. Please provide any additional protests and/or comments received or replies sent, other than those listed below. If there are no additional protests, comments, or replies please confirm that the list below is complete.

<b>Protester</b>	<b>Protest Date</b>	<b>Reply Date</b>
Britt L. Haselton, Joseph G. Haselton	March 5, 2012	March 15, 2012

David W. Black, DDS	April 3, 2012	April 19, 2012
Raymond and Nancy Benson	April 5, 2012	April 19, 2012
Richard V. Ulrick	April 6, 2012	April 19, 2012
Rosanne Ilar and Jesse Wilson	April 9, 2012	April 19, 2012

Sincerely,

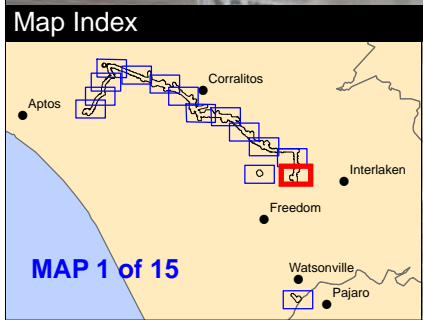
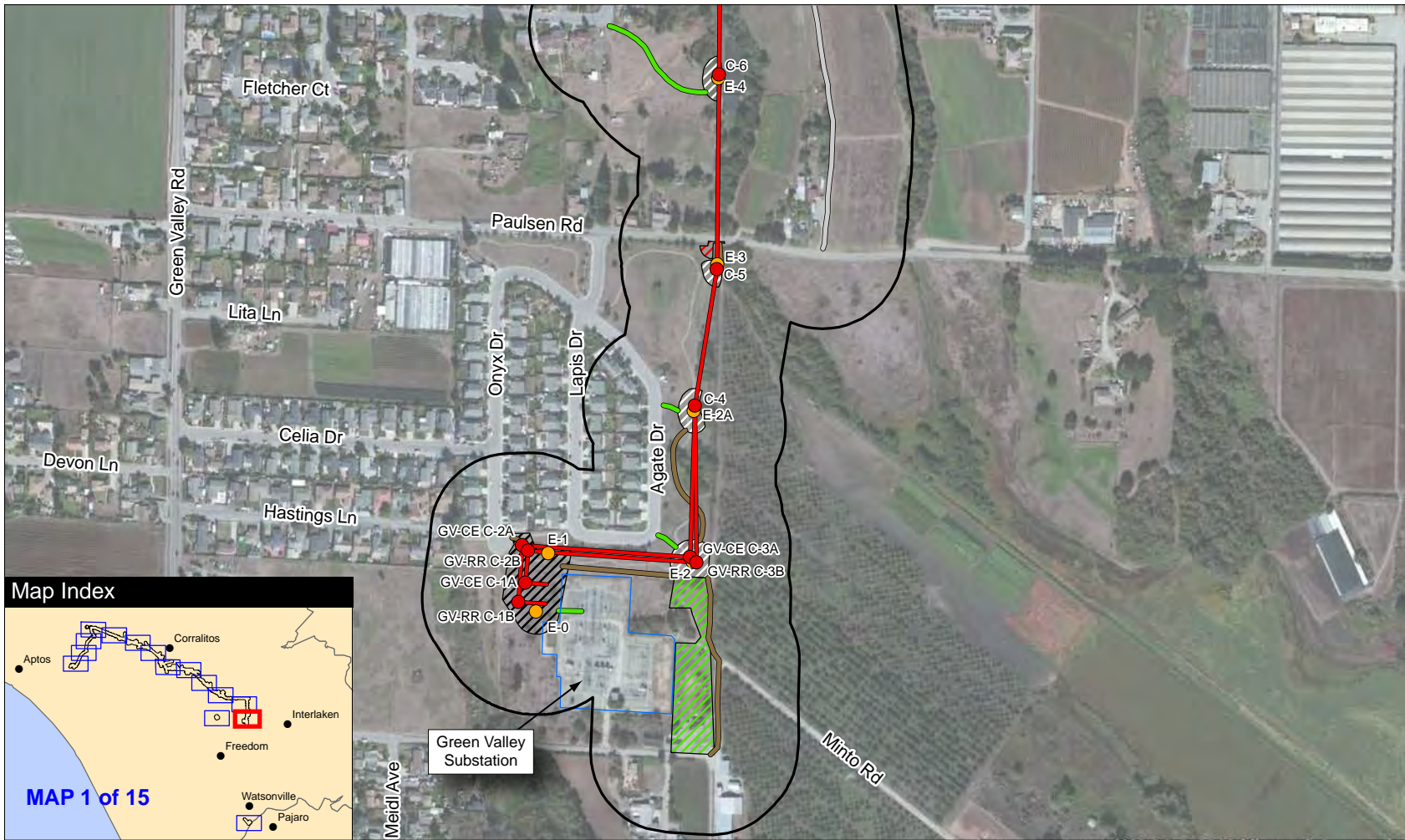


Tania Treis, Principal  
Panorama Environmental, Inc.

Attachment 1: Figures

cc. Matthew Fogelson, PG&E  
Lisa Orsaba, CPUC

# Site Map 1

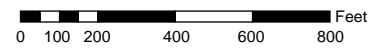


SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

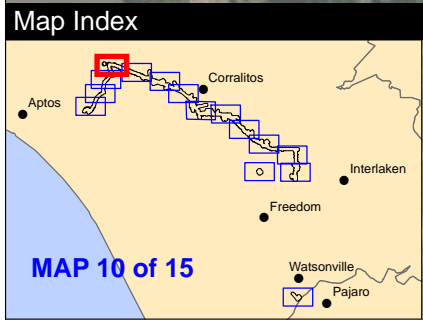
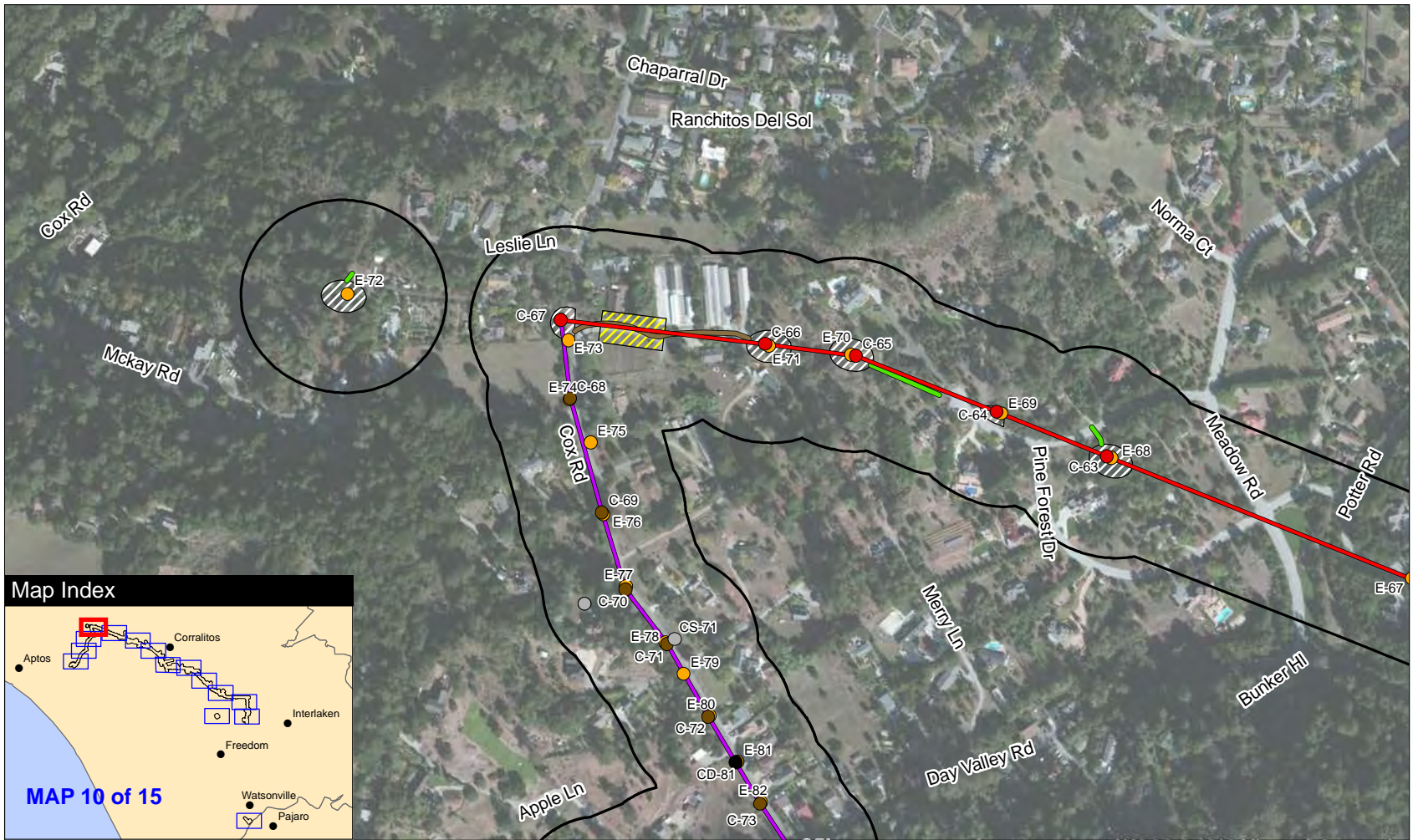
## LEGEND

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New TSP	Improved Access Road	
		Guard Structure Work Area	New Wood Pole		





# Site Map 10



SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

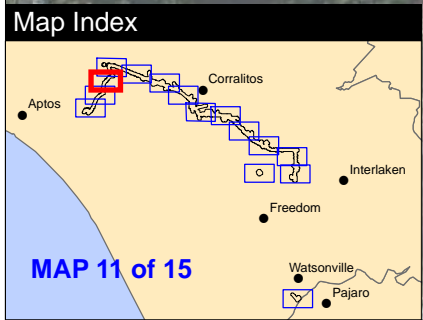
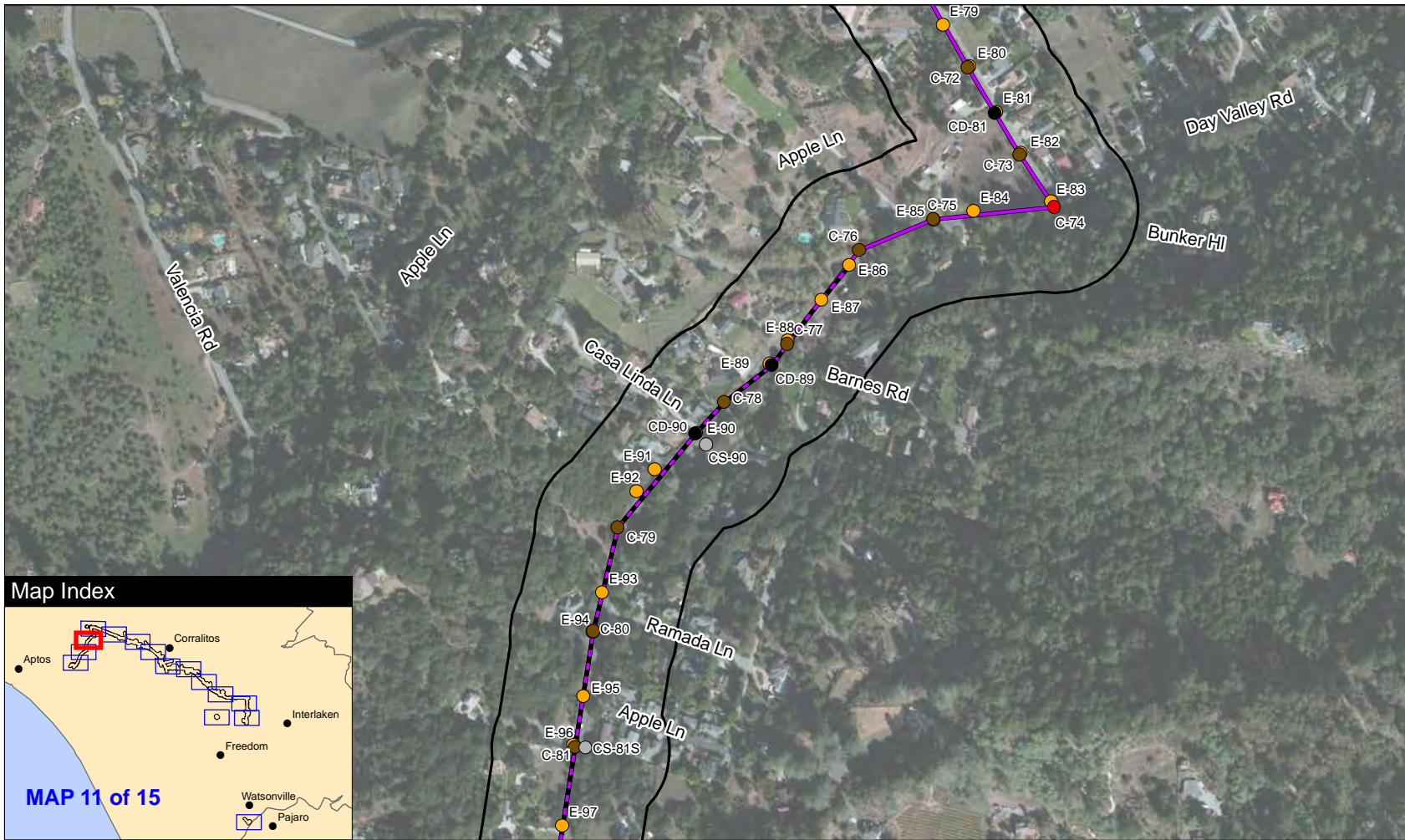
**LEGEND**

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New Stub Pole	Improved Access Road	
		Guard Structure Work Area	New TSP		
			New Wood Pole		

0 100 200 400 600 800 Feet



# Site Map 11

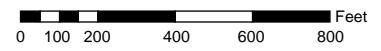


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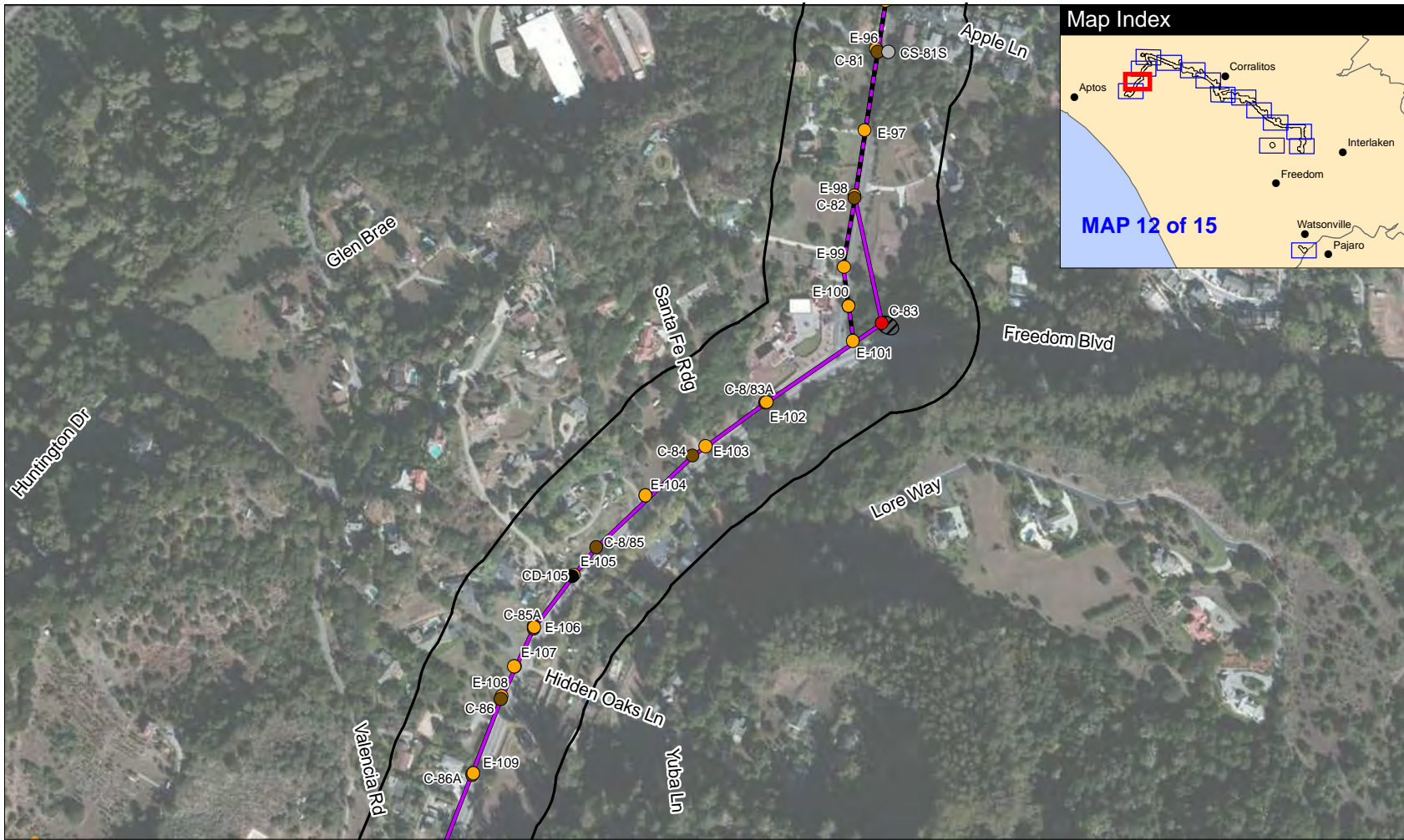
## LEGEND

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New Stub Pole	Improved Access Road	
		Guard Structure Work Area	New TSP		
			New Wood Pole		





# Site Map 12



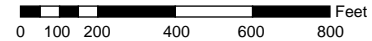
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## LEGEND

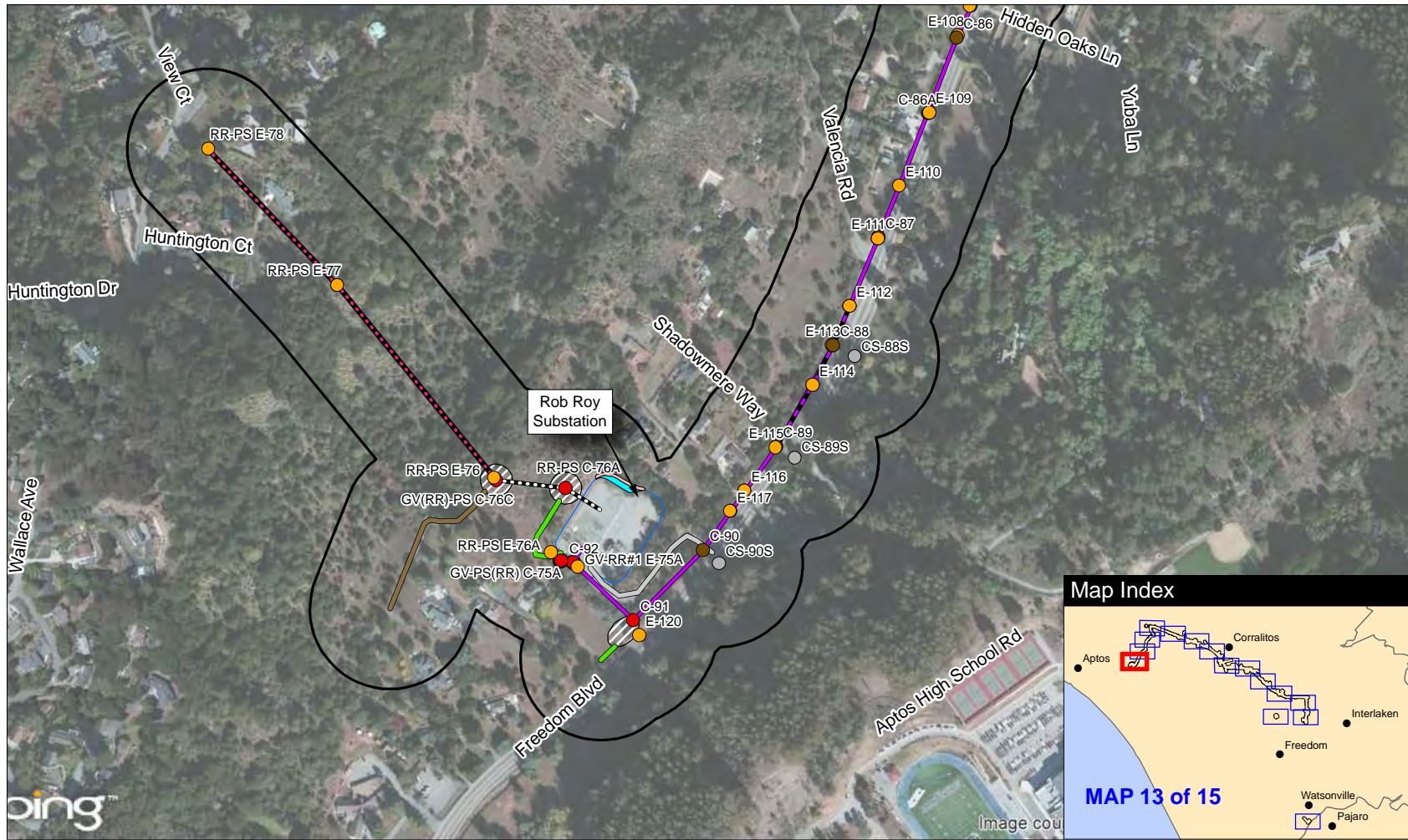


	Project Study Area		Rob Roy-Paul Sweet Alignment Retensioning Segment		Pole Work Area		Work Area		Overland Access Road		Permanent Cut and Fill Area
	Northern Alignment		Rob Roy-Paul Sweet Alignment New Line		Contractor Construction Yard		Existing Pole Structure		Existing Unpaved Road		Rob Roy Substation Modification Area
	Cox-Freedom Alignment				Landing Zone / Staging Area		New Distribution Pole		Existing Paved Road		Existing Substation Boundary
	Cox-Freedom Alignment Reconductoring Segment				Tension Pull Site		New Stub Pole		Improved Access Road		
					Guard Structure Work Area		New TSP				
							New Wood Pole				





# Site Map 13

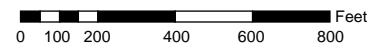


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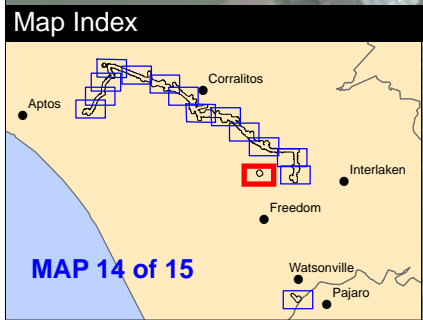
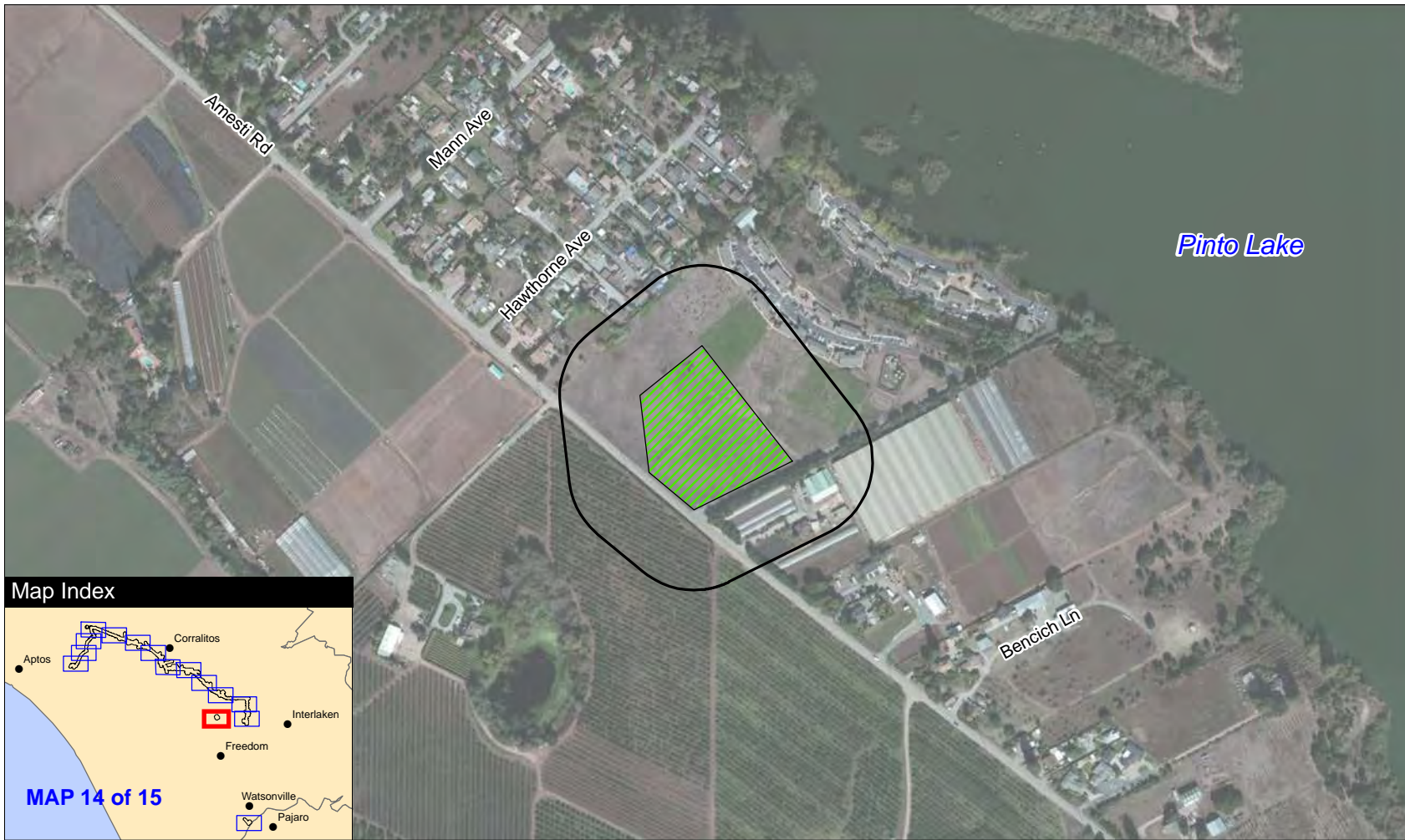
## LEGEND

	Project Study Area		Rob Roy-Paul Sweet Alignment Retensioning Segment		Pole Work Area		Work Area		Overland Access Road		Permanent Cut and Fill Area
	Northern Alignment		Rob Roy-Paul Sweet Alignment New Line		Contractor Construction Yard		Existing Pole Structure		Existing Unpaved Road		Rob Roy Substation Modification Area
	Cox-Freedom Alignment		Rob Roy-Paul Sweet Alignment New Line		Landing Zone / Staging Area		New Distribution Pole		Existing Paved Road		Existing Substation Boundary
	Cox-Freedom Alignment Reconstructing Segment				Tension Pull Site		New Stub Pole		Improved Access Road		
					Guard Structure Work Area		New TSP				
							New Wood Pole				





# Site Map 14

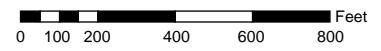


SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

## LEGEND

- |  |   |                              |                         |                       |                                      |
|--|---|------------------------------|-------------------------|-----------------------|--------------------------------------|
| Project Study Area                           | Rob Roy-Paul Sweet Alignment Retensioning Segment | Pole Work Area               | Work Area               | Overland Access Road  | Permanent Cut and Fill Area          |
| Northern Alignment                           | Rob Roy-Paul Sweet Alignment New Line             | Contractor Construction Yard | Existing Pole Structure | Existing Unpaved Road | Rob Roy Substation Modification Area |
| Cox-Freedom Alignment                        |   | Landing Zone / Staging Area  | New Distribution Pole   | Existing Paved Road   | Existing Substation Boundary         |
| Cox-Freedom Alignment Reconductoring Segment |   | Tension Pull Site            | New Stub Pole           | Improved Access Road  |                                      |
|  |   | Guard Structure Work Area    | New TSP                 |                       |                                      |
|  |   |                              | New Wood Pole           |                       |                                      |



# Site Map 15

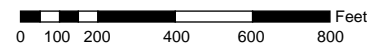


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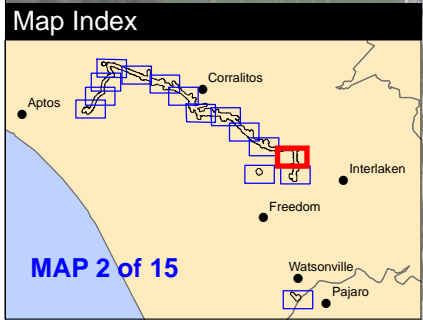
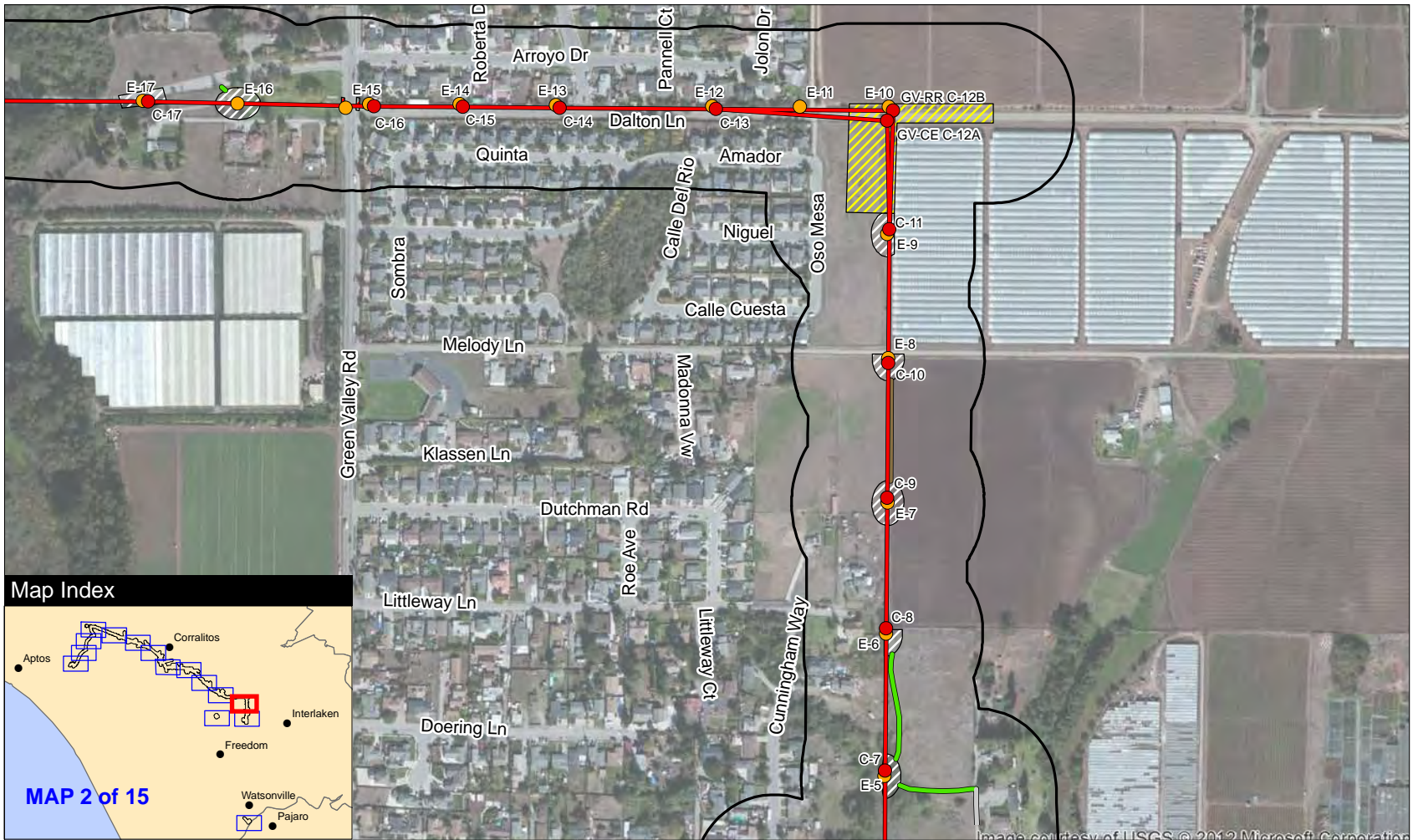
## LEGEND

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New Stub Pole	Improved Access Road	
		Guard Structure Work Area	New TSP		
			New Wood Pole		





# Site Map 2



SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

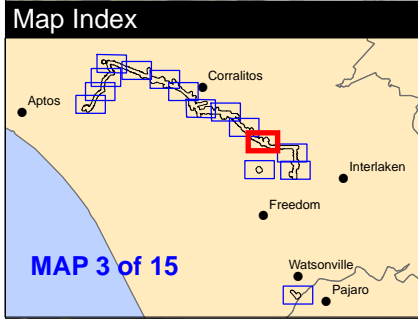
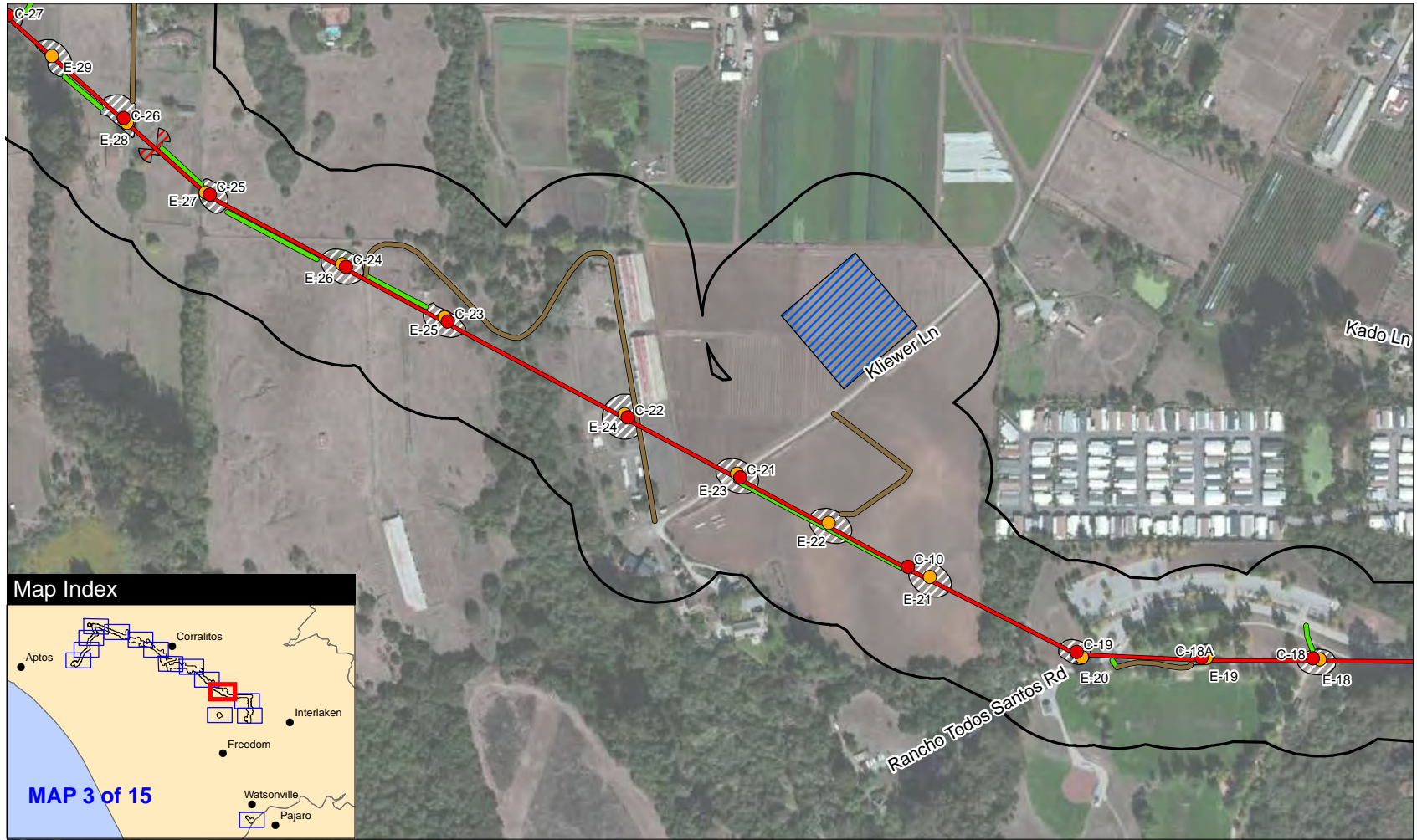
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**LEGEND**

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioing Segment	Pole Work Area	Existing Pole Structure	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	New Distribution Pole	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Stub Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New TSP	Improved Access Road	
		Guard Structure Work Area	New Wood Pole		

0 100 200 400 600 800 Feet

# Site Map 3

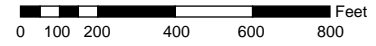


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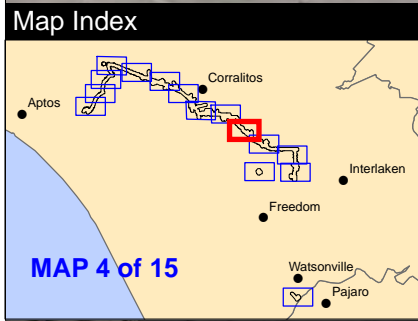
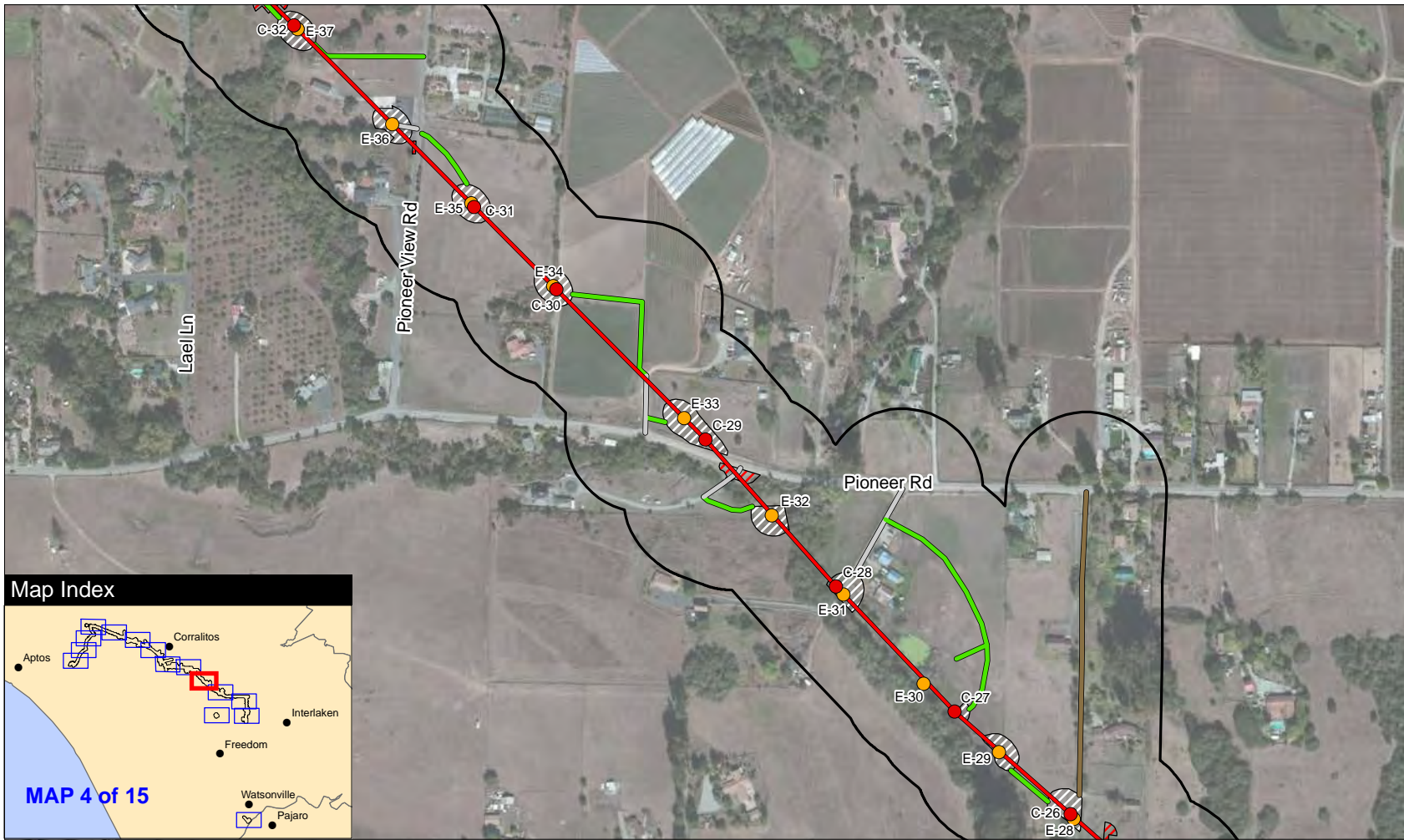
## LEGEND

	Project Study Area		Rob Roy-Paul Sweet Alignment Retensioning Segment		Pole Work Area		Work Area		Overland Access Road		Permanent Cut and Fill Area
	Northern Alignment		Rob Roy-Paul Sweet Alignment New Line		Landing Zone / Staging Area		Existing Pole Structure		Existing Unpaved Road		Rob Roy Substation Modification Area
	Cox-Freedom Alignment		Rob Roy-Paul Sweet Alignment New Line		Tension Pull Site		New Distribution Pole		Existing Paved Road		Existing Substation Boundary
	Cox-Freedom Alignment Reconductoring Segment				Guard Structure Work Area		New Stub Pole		Improved Access Road		
							New TSP				
							New Wood Pole				





# Site Map 4

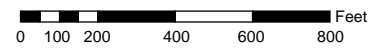


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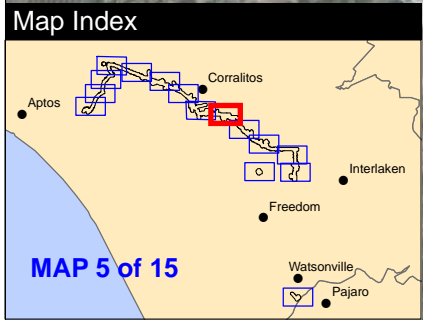
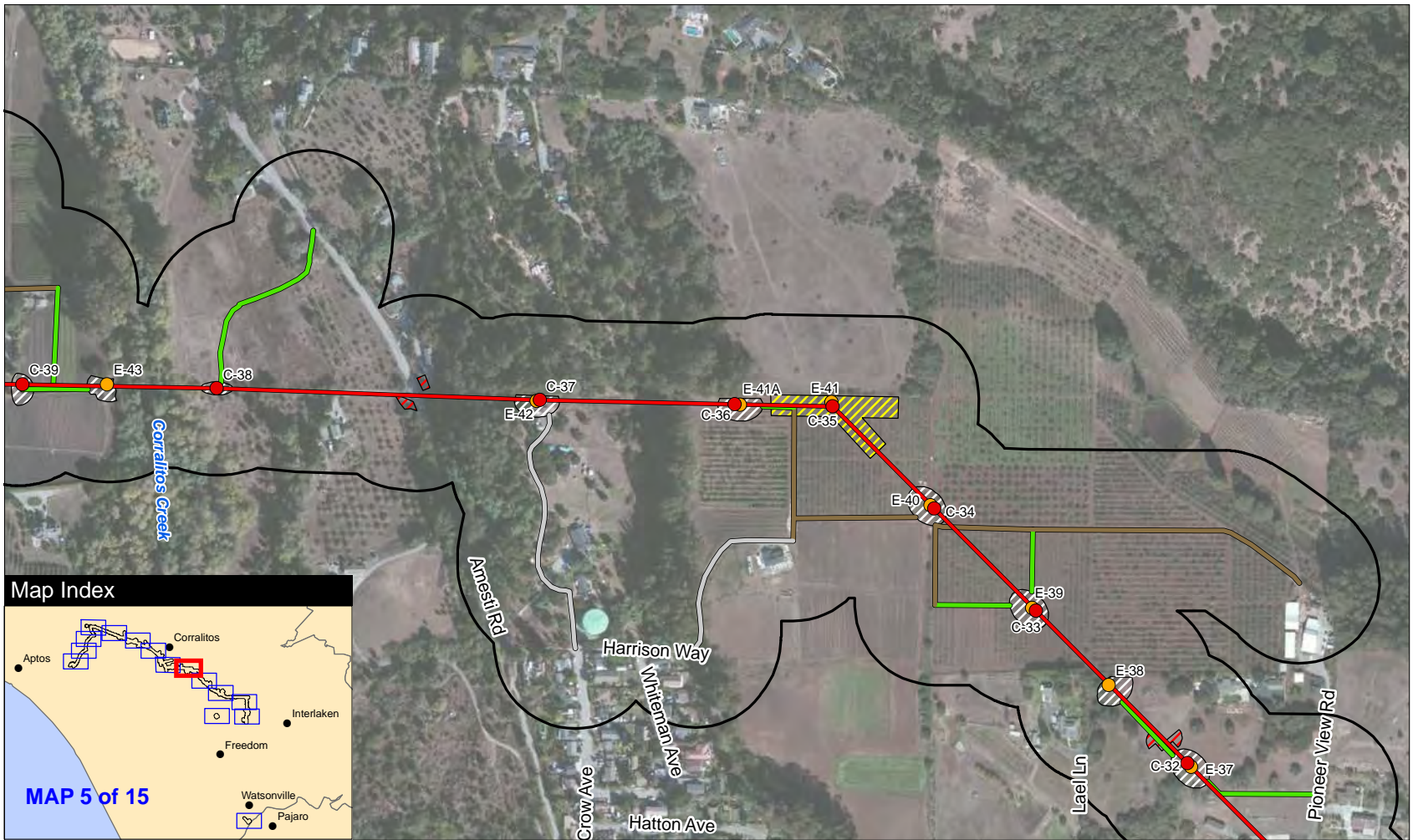
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## LEGEND

	Project Study Area		Rob Roy-Paul Sweet Alignment Retensioning Segment		Pole Work Area		Work Area		Overland Access Road		Permanent Cut and Fill Area
	Northern Alignment		Rob Roy-Paul Sweet Alignment New Line		Contractor Construction Yard		Existing Pole Structure		Existing Unpaved Road		Rob Roy Substation Modification Area
	Cox-Freedom Alignment		Rob Roy-Paul Sweet Alignment New Line		Landing Zone / Staging Area		New Distribution Pole		Existing Paved Road		Existing Substation Boundary
	Cox-Freedom Alignment Reconductoring Segment				Tension Pull Site		New Stub Pole		Improved Access Road		
					Guard Structure Work Area		New TSP				
							New Wood Pole				



# Site Map 5



SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

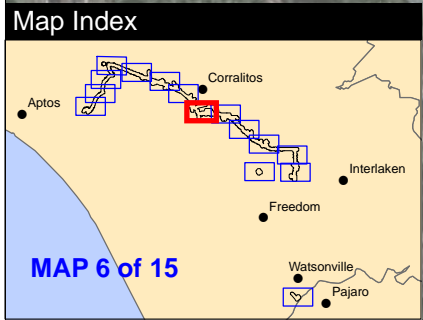
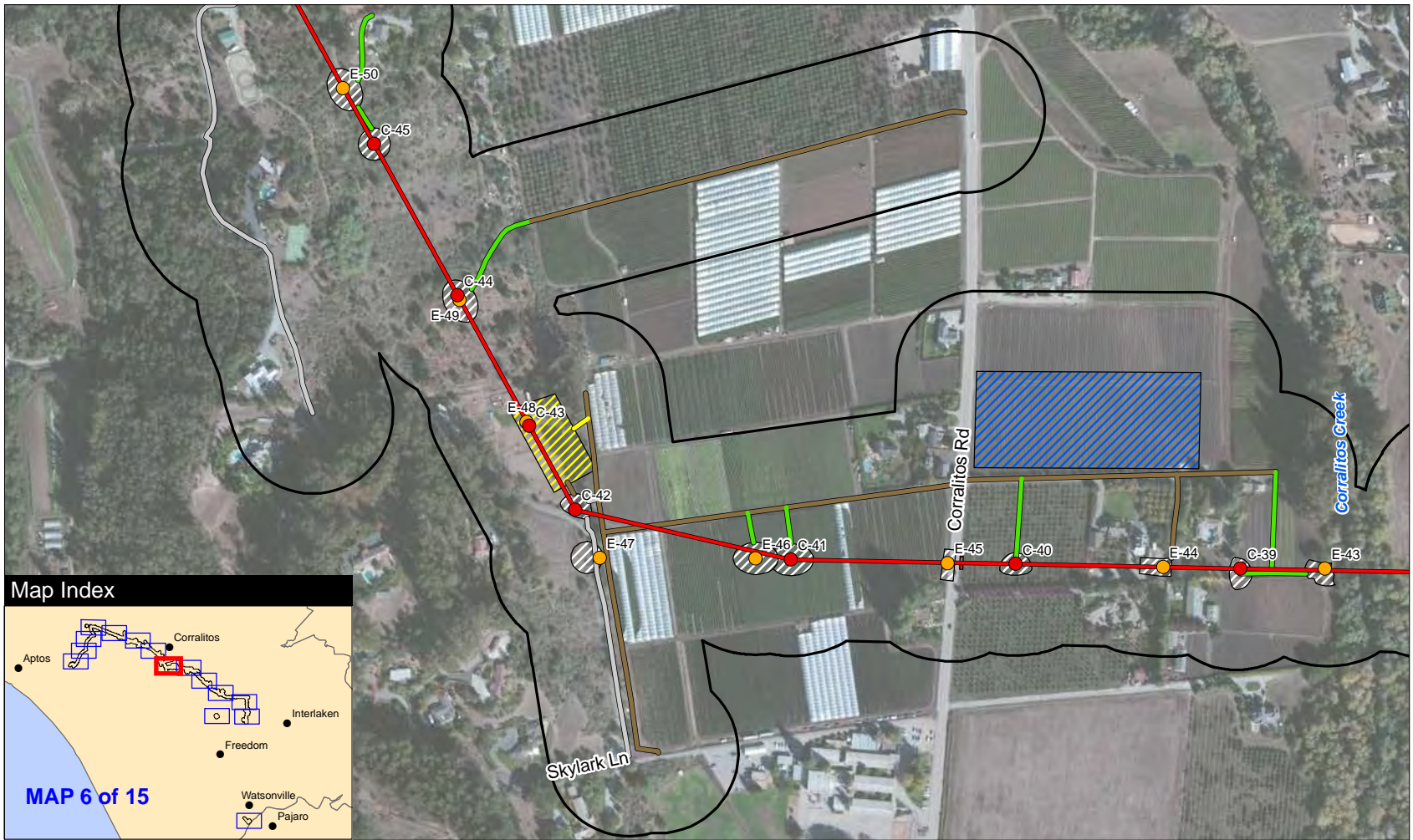
**LEGEND**

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconstructing Segment		Tension Pull Site	New Stub Pole	Improved Access Road	
		Guard Structure Work Area	New TSP		
			New Wood Pole		

0 100 200 400 600 800 Feet



# Site Map 6



SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

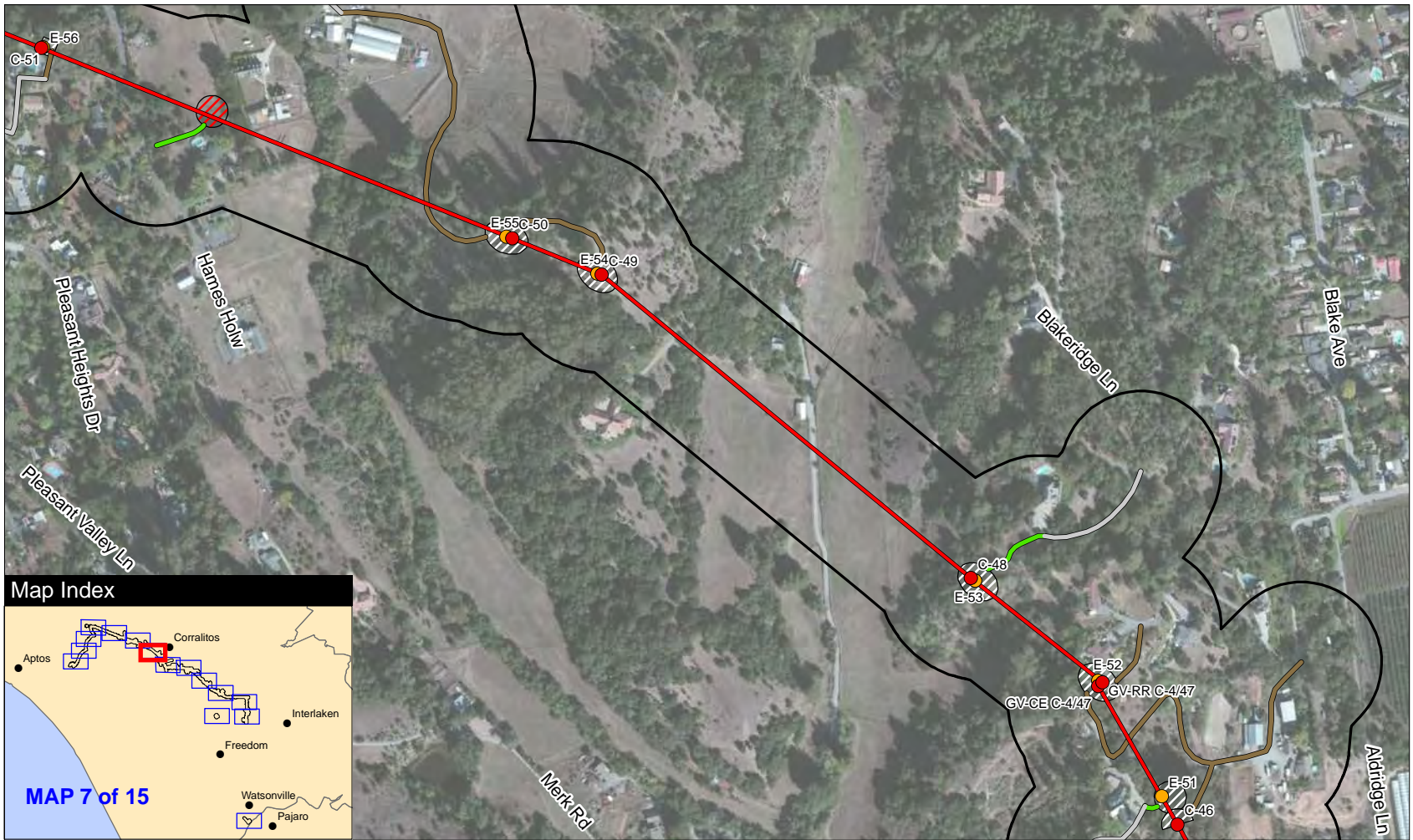
**LEGEND**

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Re-conducting Segment		Tension Pull Site	New TSP	Improved Access Road	
		Guard Structure Work Area	New Wood Pole		

0 100 200 400 600 800 Feet



# Site Map 7

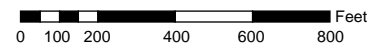


SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

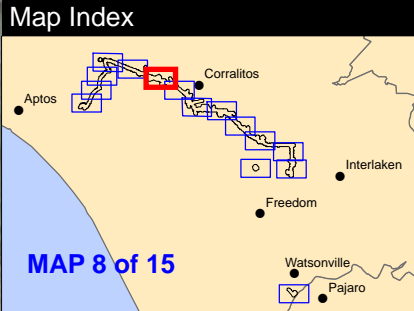
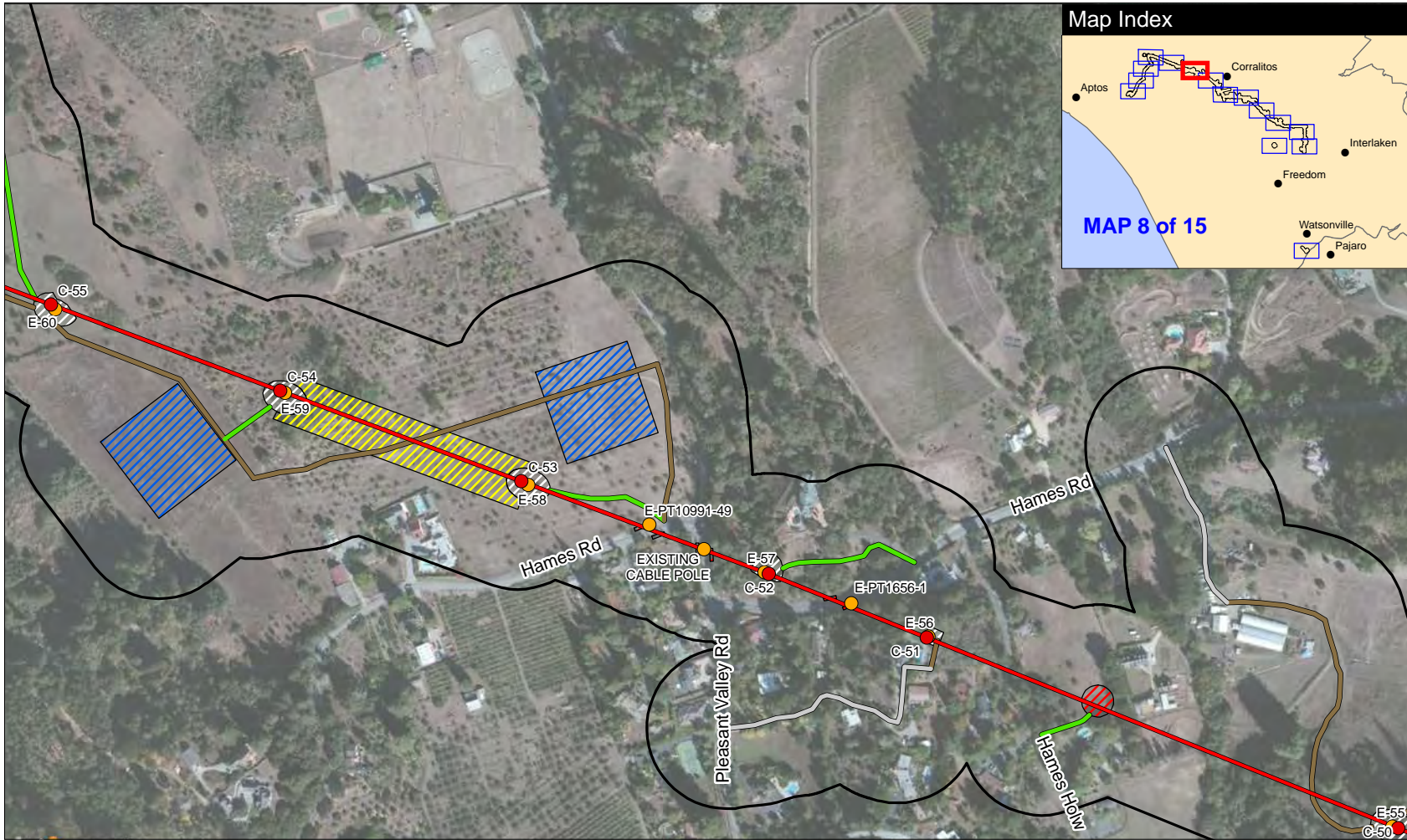
## LEGEND

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New Stub Pole	Improved Access Road	
		Guard Structure Work Area	New TSP		
			New Wood Pole		





# Site Map 8



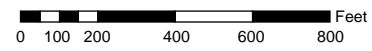
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Scale: 1:6,000

## LEGEND

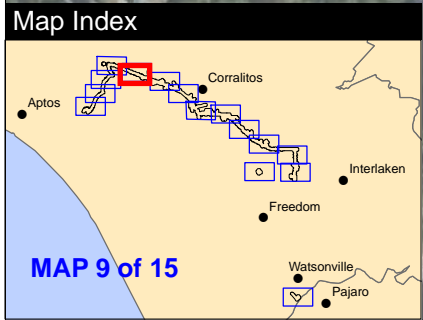
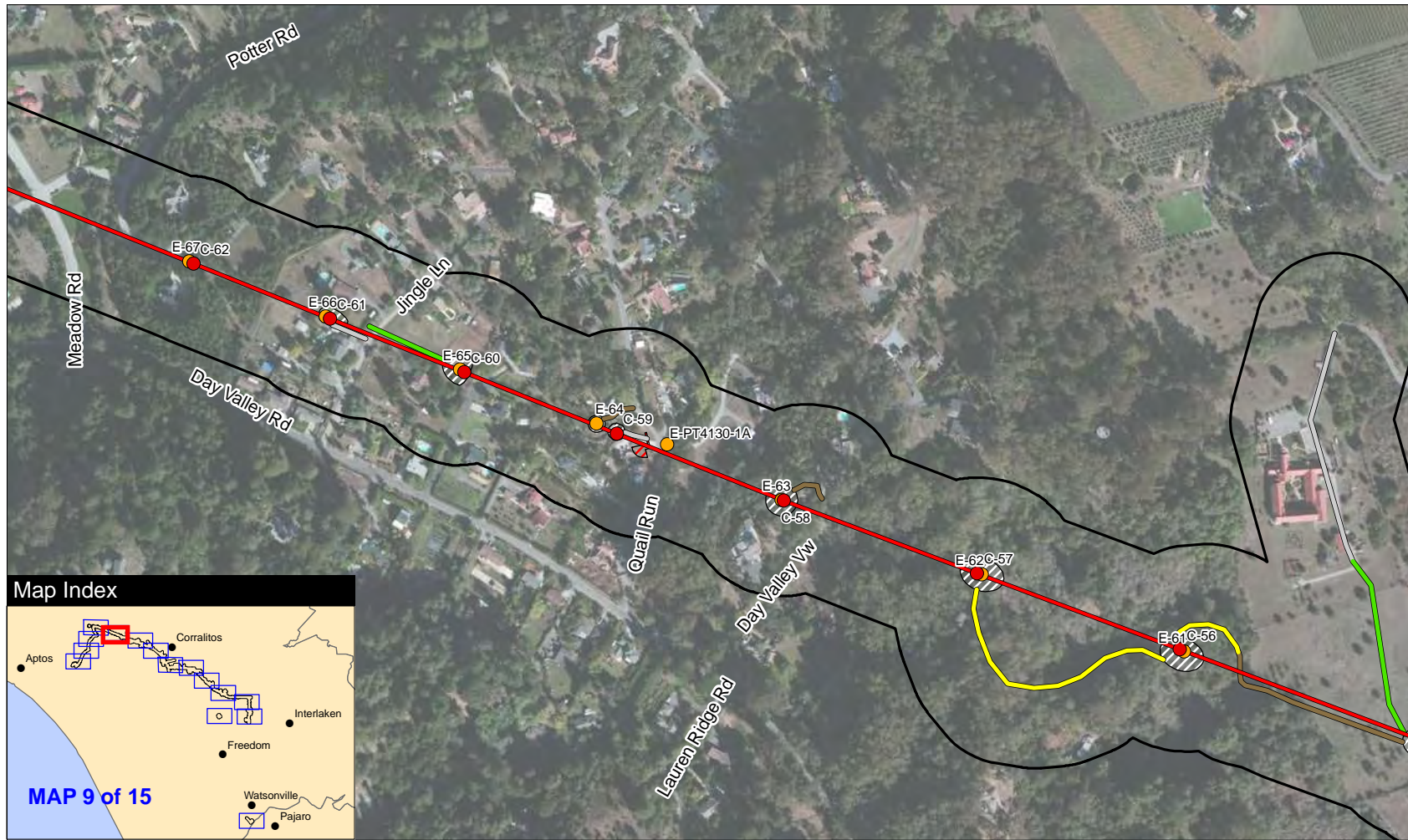


	Project Study Area		Rob Roy-Paul Sweet Alignment Retiewing Segment		Pole Work Area		Work Area		Overland Access Road		Permanent Cut and Fill Area
	Northern Alignment		Rob Roy-Paul Sweet Alignment New Line		Landing Zone / Staging Area		Existing Pole Structure		Existing Unpaved Road		Rob Roy Substation Modification Area
	Cox-Freedom Alignment		Rob Roy-Paul Sweet Alignment New Line		Tension Pull Site		New Distribution Pole		Existing Paved Road		Existing Substation Boundary
	Cox-Freedom Alignment Reconstructing Segment				Guard Structure Work Area		New TSP		Improved Access Road		
							New Wood Pole				





# Site Map 9



SOURCE: ESRI 2012 and Panorama Environmental, Inc. 2012

Scale: 1:6,000

## LEGEND

Project Study Area	Rob Roy-Paul Sweet Alignment Retensioning Segment	Pole Work Area	Work Area	Overland Access Road	Permanent Cut and Fill Area
Northern Alignment	Rob Roy-Paul Sweet Alignment New Line	Contractor Construction Yard	Existing Pole Structure	Existing Unpaved Road	Rob Roy Substation Modification Area
Cox-Freedom Alignment		Landing Zone / Staging Area	New Distribution Pole	Existing Paved Road	Existing Substation Boundary
Cox-Freedom Alignment Reconductoring Segment		Tension Pull Site	New Stub Pole	Improved Access Road	
		Guard Structure Work Area	New TSP		
			New Wood Pole		

