

Appendix 5. Tabulated Observations and Photographs of Surface Faulting and Ground Deformation Produced by the M_w 6.0 South Napa Earthquake of August 24, 2014—Trace D

Introduction

The following pages contain maps and tables of descriptions, slip measurements, and photographs of surface faulting and ground deformation features obtained in the field located along Trace D. Station locations are shown as circles in figure 5.1 and labeled by the Station ID number. To aid in locating a specific observation station, IDs increase numerically from south to north. Where multiple observations occur at the exact same locality, IDs are shown as a range (for example, 200–202 identifies stations 200, 201, and 202 all at the same location). Where stations are too closely spaced to be individually labeled in the figures, a single label is used for a group of stations, with the IDs or groups of IDs listed in a vertical column and the label leader pointing to the approximate midpoint of the group of closely spaced stations. Mappable fault rupture and surface deformation features are symbolized on the included maps as described in appendix 1.

Observations and (or) photographs collected at each station are tabulated by Station ID. Where stations occur at the same locality, earlier observations are listed first. Photographs taken at an observation station, if any, follow the station attribute information; high resolution images can be downloaded by clicking on the associated links. Station and photograph attributes are described in detail in appendix 1.

Trace D

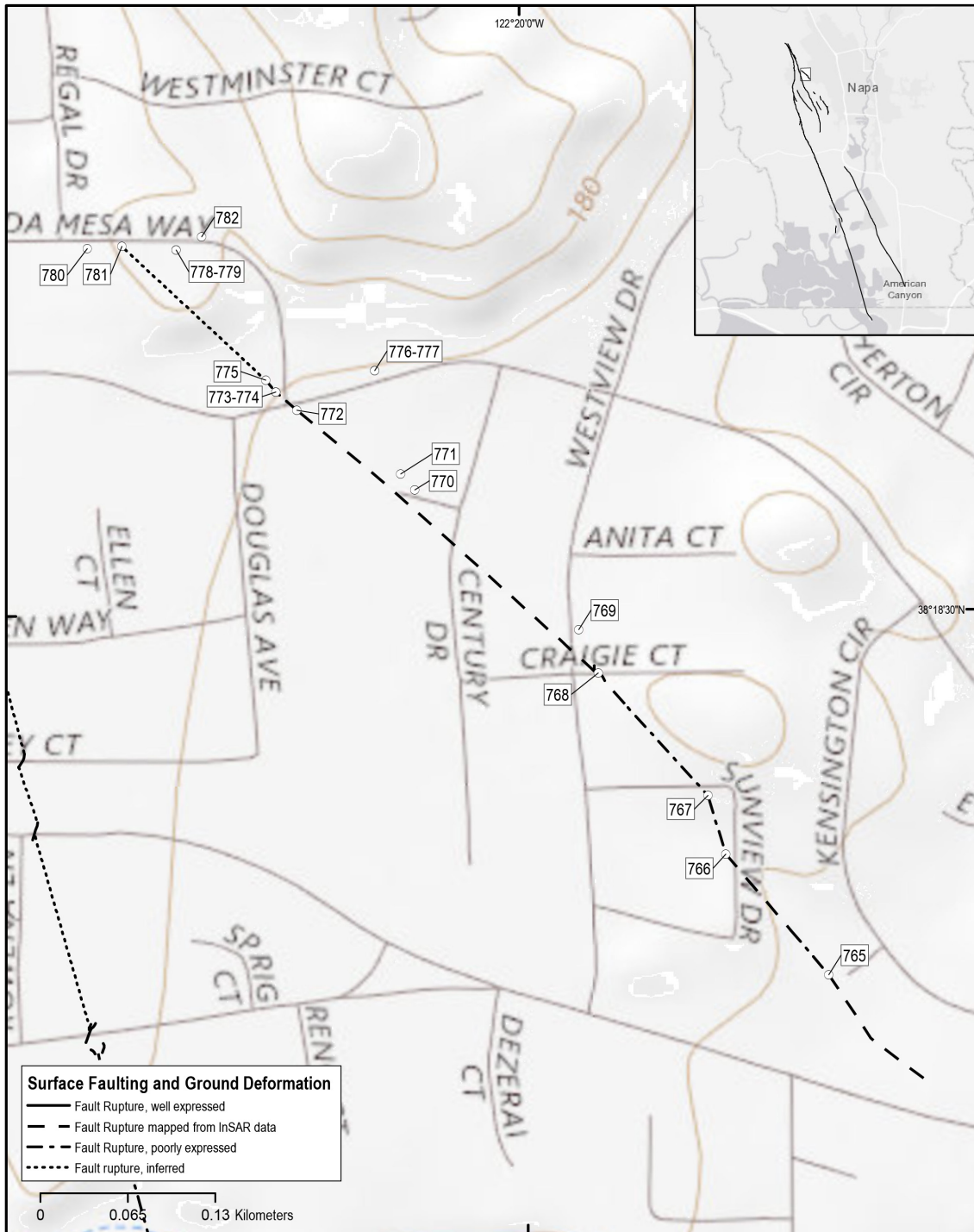


Figure 5.1. Rupture map showing locations of observation stations 765–780 along Trace D of the West Napa Fault System, California, from Kensington Circle 800 m northwest to northern terminus of Trace D at Linda Mesa Way. Inset shows location of fig. 5.1 relative to full extent of rupture. Shaded relief base from U.S. Geological Survey National Map <https://viewer.nationalmap.gov/advanced-viewer/>.

Station ID: 765			Observer: Prentice/Sickler	
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:11	38.30589	122.33076	Pavement	Tectonic
Description				
Kensington Ct. Cracked driveways, asphalt, and sidewalks. Repair in road is possible patched water line break.				

Station ID: 766			Observer: Prentice/Sickler	
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:11	38.30671	122.33163	Curb/Sidewalk	Tectonic
Description				
Century Drive. Tented sidewalk, axis is east-west.				

Station ID: 767			Observer: Prentice/Sickler			
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin		
2014:09:11	38.30710	122.33178	Pavement	Tectonic		
Description						
Sunview Drive. Crack across asphalt left-stepping en echelon N7W, small right-lateral. Sidewalks popped up in several places. Fresh curb and asphalt cracks.						
Fault Azimuth	Strike Slip	Strike-slip Sense	Extension	Compression	Vertical	Upthrown Side
353		RL				

Station ID: 768		Observer: Prentice/Sickler				
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin		
2014:09:11	38.30793	122.33271	Pavement	Tectonic		
Description						
Craigie Court, cracks in driveway and buckled concrete; right-lateral cracks crossing road, N38W. Center line, now repaired, appears to have right-lateral offset. Right-lateral curb offset across street to north.						
Fault Azimuth	Strike Slip	Strike-slip Sense	Extension	Compression	Vertical	Upthrown Side
322	3*	RL				
Photographer	Camera Coordinates		Photograph Date			
Prentice	38.30799	122.33268	2014:09:11	15:28:10		

[High Resolution Photograph](#)



Photographer	Camera Coordinates		Photograph Date		
Prentice	38.30794	122.33265	2014:09:11	15:29:03	

[High Resolution Photograph](#)



Station ID: 768**Observer: Prentice/Sickler**

Photographer	Camera Coordinates		Photograph Date
Prentice	38.30798	122.33274	2014:09:11 15:29:30

[High Resolution Photograph](#)



Photographer	Camera Coordinates		Photograph Date
Prentice	38.30800	122.33274	2014:09:11 15:30:21

[High Resolution Photograph](#)



Photographer	Camera Coordinates		Photograph Date
Prentice	38.30801	122.33276	2014:09:11 15:30:41

[High Resolution Photograph](#)



Station ID: 769		Observer: Prentice/Sickler		
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:11	38.30822	122.33287	Curb/Sidewalk	Tectonic
Description				
Tented sidewalk. Other fresh sidewalk damage in area.				
Photographer	Camera Coordinates		Photograph Date	
Prentice	38.30829	122.33304	2014:09:11 15:34:52	

[High Resolution Photograph](#)



Station ID: 770		Observer: Seitz		
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.30916	122.33425	Pavement	Tectonic
Photographer	Camera Coordinates		Photograph Date	
Seitz	38.30918	122.33423	2014:09:16 15:04:59	

[High Resolution Photograph](#)



Station ID: 770 **Observer: Seitz**

Photographer	Camera Coordinates		Photograph Date
Seitz	38.30915	122.33427	2014:09:16 15:05:09

[High Resolution Photograph](#)



Station ID: 771 **Observer: Prentice/Sickler**

Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:11	38.30927	122.33437	Curb/Sidewalk	Tectonic

Description

Century Court, many small fresh cracks in curb and driveway. Curb crack

Fault Azimuth	Strike Slip	Strike-slip Sense	Extension	Compression	Vertical	Uphrown Side
	<1*	RL				

Station ID: 772				Observer: Seitz
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.30970	122.33525	Pavement	Tectonic
Photographer	Camera Coordinates		Photograph Date	
Seitz	38.30969	122.33531	2014:09:16 14:32:33	

[High Resolution Photograph](#)



Photographer	Camera Coordinates		Photograph Date
Seitz	38.30966	122.33525	2014:09:16 14:32:47

[High Resolution Photograph](#)



Station ID: 773		Observer: Prentice/Sickler		
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:11	38.30983	122.33543	Pavement	Tectonic
Description				
Linda Mesa and Scenic. Tented concrete. Asphalt thrust over curb apron at corner, extensional cracks, possible water line break on Scenic and multiple small curb cracks.				
Photographer	Camera Coordinates		Photograph Date	
Prentice			2014:09:11 16:52:11	

[High Resolution Photograph](#)



Station ID: 774		Observer: Seitz		
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.30983	122.33543	Curb/Sidewalk	Tectonic
Photographer	Camera Coordinates		Photograph Date	
Seitz	38.30978	122.33532	2014:09:16 14:41:35	

[High Resolution Photograph](#)



Station ID: 774**Observer: Seitz**

Photographer	Camera Coordinates		Photograph Date
Seitz	38.30984	122.33545	2014:09:16 14:41:49

[High Resolution Photograph](#)



Station ID: 775**Observer: Seitz**

Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.30990	122.33551	Curb/Sidewalk	Tectonic

Photographer	Camera Coordinates		Photograph Date
Seitz	38.30991	122.33549	2014:09:16 14:41:02

[High Resolution Photograph](#)



Station ID: 776		Observer: Prentice/Sickler				
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin		
2014:09:11	38.30996	122.33459	Curb/Sidewalk	Uncertain		
Description						
Scenic Drive. Pavement damaged, overthrust at joint and extended at two joints to the east. Trend N15W.						
Fault Azimuth	Strike Slip	Strike-slip Sense	Extension	Compression	Vertical	Upthrown Side
345						
Photographer	Camera Coordinates		Photograph Date			
Prentice			2014:09:11 16:59:11			

[High Resolution Photograph](#)



Photographer	Camera Coordinates		Photograph Date			
Prentice			2014:09:11 16:59:39			

[High Resolution Photograph](#)



Station ID: 777				Observer: Rubin
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.30996	122.33459	Curb/Sidewalk	Uncertain
Description				
Tented sidewalk. No cracking in adjacent soil, curb, or street. Walked in open space and observed no cracks. No evidence of tectonic rupture				

Station ID: 778				Observer: Prentice/Sickler
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:11	38.31078	122.33627	Curb/Sidewalk	Uncertain
Description				
Linda Mesa Way, sidewalk tented.				

Photographer	Camera Coordinates	Photograph Date
Prentice		2014:09:11 17:37:51

[High Resolution Photograph](#)



Photographer	Camera Coordinates	Photograph Date
Prentice		2014:09:11 17:37:59

[High Resolution Photograph](#)



Station ID: 779				Observer: Seitz
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.31078	122.33627	Curb/Sidewalk	Uncertain
Description				
Compiler note: Google street image from 5/2014 shows similar pop up of concrete panel. Appears to be related to root action - not earthquake related.				
Photographer	Camera Coordinates		Photograph Date	
Seitz	38.31081	122.33632	2014:09:16 14:48:18	

[High Resolution Photograph](#)



Station ID: 780				Observer: Seitz
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.31079	122.33702	Curb/Sidewalk	Uncertain
Photographer	Camera Coordinates		Photograph Date	
Seitz	38.31082	122.33701	2014:09:16 14:52:41	

[High Resolution Photograph](#)



Station ID: 781		Observer: Prentice/Sickler				
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin		
2014:09:11	38.31081	122.33673	Curb/Sidewalk	Tectonic		
Description						
Linda Mesa Way, damaged curb, small curb and driveway cracks across street. Curb displaced right-lateral 20 mm, 26 mm vertical on N10W trending crack. Compiler note: upthrown side inferred from photo.						
Fault Azimuth	Strike Slip	Strike-slip Sense	Extension	Compression	Vertical	Upthrown Side
	2*	RL			2.6*	W
Photographer	Camera Coordinates		Photograph Date			
Prentice	38.31080	122.33675	2014:09:11	16:43:34		

[High Resolution Photograph](#)



Photographer	Camera Coordinates	Photograph Date
Prentice		2014:09:11 16:43:55

[High Resolution Photograph](#)



Station ID: 782				Observer: Seitz
Observation Date	Latitude	Longitude	Offset Feature	Inferred Origin
2014:09:16	38.31087	122.33605	Pavement	Uncertain
Photographer	Camera Coordinates		Photograph Date	
Seitz	38.31087	122.33605	2014:09:16 14:47:26	

[High Resolution Photograph](#)

