

1 Metadata:

2 Identification_Information:

3 Citation:

4 Citation_Information:

5 Title: Recently Active Traces of the Berryessa Section and Adjacent Sections of the Green Valley
Fault Zone, California: A Digital Database

6 Geospatial_Data_Presentation_Form: vector digital data

7 Series_Information:

8 Series_Name: U.S. Geological Survey Data Series

9 Description:

10 Abstract: New mapping of active fault traces is based on the interpretation of geomorphic
expression of recent dextral slip, primarily using 2010 USGS aerial photography at 1:12,000
scale, and 2007 and 2011 fault zone LiDAR imagery.

11 Purpose: Provides a digital representation of active traces of the Green Valley Fault between
Wooden and Mysterious Valleys, Napa County California, which is further explained in the
accompanying text and this metadata.

12 Spatial_Domain:

13 Bounding_Coordinates:

14 West_Bounding_Coordinate: -122.380865

15 East_Bounding_Coordinate: -122.179942

16 North_Bounding_Coordinate: 38.757885

17 South_Bounding_Coordinate: 38.325927

18 Keywords:

19 Theme:

20 Theme_Keyword_Thesaurus: ISO 19115 Topic Categories

21 Theme_Keyword: geoscientificInformation

22 Theme:

23 Theme_Keyword_Thesaurus: None

24 Theme_Keyword: fault active

25 Theme_Keyword: Holocene

26 Theme_Keyword: Green Valley Fault

27 Theme_Keyword: Berryessa Fault

28 Theme_Keyword: Hunting Creek Fault

29 Theme_Keyword: Wooden Valley

30 Theme_Keyword: Napa County

31 Access_Constraints: None

32 Use_Constraints: Fault interpretation and locations not intended as sufficiently detailed for the
purposes of site evaluations.

33 Point_of_Contact:

34 Contact_Information:

35 Contact_Organization_Primary:

36 Contact_Organization: U.S. Geological Survey

37 Contact_Person: James Lienkaemper

38 Contact_Position: Geophysicist

39 Data_Set_Credit:

40 Fault interpretation by James J. Lienkaemper, U.S. Geological Survey, Menlo Park, CA

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42 Funding provided for 2010 aerial photography by U.S. Bureau of Reclamation, 2007 LiDAR by the
National Science Foundation, and 2011 LiDAR by the American Recovery and Reinvestment
Act (ARRA)

43 Native_Data_Set_Environment: Microsoft Windows 7 Version 6.1 (Build 7600) ; ESRI ArcGIS
10.0.4.4000

44 Spatial_Data_Organization_Information:

45 Direct_Spatial_Reference_Method: Vector

46 Point_and_Vector_Object_Information:

47 SDTS_Terms_Description:

48 SDTS_Point_and_Vector_Object_Type: String

49 Point_and_Vector_Object_Count: 235

50 Spatial_Reference_Information:

51 Horizontal_Coordinate_System_Definition:

52 Planar:

53 Map_Projection:

54 Map_Projection_Name: Transverse Mercator

55 Transverse_Mercator:

56 Scale_Factor_at_Central_Meridian: 0.9996

57 Longitude_of_Central_Meridian: -123.0

58 Latitude_of_Projection-Origin: 0.0

59 False_Easting: 500000.0

60 False_Northing: 0.0

61 Planar_Coordinate_Information:

62 Planar_Coordinate_Encoding_Method: coordinate pair

63 Coordinate_Representation:

64 Abscissa_Resolution: 0.000000002220024164500956

65 Ordinate_Resolution: 0.000000002220024164500956

66 Planar_Distance_Units:

67 Geodetic_Model:

68 Horizontal_Datum_Name: D WGS 1984

69 Ellipsoid_Name: WGS 1984

70 Semi-major_Axis: 6378137.0

71 Denominator_of_Flattening_Ratio: 298.257223563

72 Entity_and_Attribute_Information:

73 Detailed_Description:

74 Entity_Type:

75 Entity_Type_Label: bf2011

76 Entity_Type_Definition: Active fault traces of the Berryessa section of the Green Valley fault,
California

77 Entity_Type_Definition_Source: Lienkaemper (2011) USGS Data Series xxx

78 Attribute:

79 Attribute_Label: FID

80 Attribute_Definition: Internal feature number.

81 Attribute_Definition_Source: ESRI

82 Attribute_Domain_Values:

83 Unrepresentable_Domain: Sequential unique whole numbers that are automatically
generated.

84 Attribute:

85 Attribute_Label: Shape
86 Attribute_Definition: Feature geometry.
87 Attribute_Definition_Source: ESRI
88 Attribute_Domain_Values:
89 Unrepresentable_Domain: Coordinates defining the features.
90 Attribute:
91 Attribute_Label: FNODE_
92 Attribute:
93 Attribute_Label: TNODE_
94 Attribute:
95 Attribute_Label: LPOLY_
96 Attribute:
97 Attribute_Label: RPOLY_
98 Attribute:
99 Attribute_Label: LENGTH
100 Attribute:
101 Attribute_Label: codednotes
102 Attribute_Definition: Abbreviated description of geomorphic expression of fault strand
103 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
104 Attribute:
105 Attribute_Label: FRANK
106 Attribute_Definition: Fault rank: primary, secondary or tertiary
107 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
108 Attribute:
109 Attribute_Label: y_off_age
110 Attribute_Definition: Age of most recent offset
111 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
112 Attribute:
113 Attribute_Label: STRAND
114 Attribute_Definition: fault strand number
115 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
116 Attribute:
117 Attribute_Label: LOC_CER_TX
118 Attribute_Definition: Location certainty, text
119 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
120 Attribute:
121 Attribute_Label: LOC_CER_NU
122 Attribute_Definition: Location certainty, numerical, in meters
123 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
124 Attribute:
125 Attribute_Label: FTR_MAPPED
126 Attribute_Definition: Feature mapped: description of geomorphic, creep and trenching data
 supporting the location and existence of this strand
127 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx
128 Attribute:
129 Attribute_Label: geomorph
130 Attribute_Definition: Geomorphic description used to control line type
131 Attribute_Definition_Source: Lienkaemper (2011) Data Series-xxx

132 Metadata_Reference_Information:

133 Metadata_Date: 20120606

134 Metadata_Standard_Name: FGDC Content Standard for Digital Geospatial Metadata

135 Metadata_Standard_Version: FGDC-STD-001-1998

136 Metadata_Time_Convention: local time