

PROJECT INFORMATION SHEET**North Slope Sonoma Mountain Ridge Trail Project
File No. SB09003IN**

1.	Applicant & Agent	<p>Sonoma County Agricultural Preservation and Open Space District (Applicant) 747 Mendocino Avenue, Suite 100 Santa Rosa, CA 95401</p> <p>Mr. Kim Batchelder, Natural Resources Planner (Agent) Email: KBATCHEL@sonoma-county.org (Same address as above).</p>
2.	Project Purpose and Description	<p>Project activities consist of a 4.25-mile trail on the north slope of Sonoma Mountain in southeastern Sonoma County, connecting on the east with Jack London State Historic Park (JLSHP) and the Jacobs Ranch on the west, by traversing six properties: Jacobs Ranch, Cooper's Grove, Sonoma Mountain Woodlands, Wilroth, Skiles Ranch, and JLSHP. The trail will be built to multi-use standards to accommodate hikers, equestrians, and mountain bicyclists. The purpose of installing the pedestrian bridges and wet crossings associated with the trail construction is to provide access across the drainages the trail traverses. Replacement of culverts and associated drainage improvements as well as replacing the existing bridge that spans Matanzas Creek is necessary for improving public access (and associated safety) to the project site.</p> <p>The trail will include 16 creek crossings of which three will require new bridges: (1) a 42-ft bridge at the South Fork of Matanzas Creek; (2) a 26-ft bridge in the southwestern part of the Wilroth Property; (3) a 32-ft bridge crossing a small tributary on the northern portion of Cooper's Grove property; and, (4) a six-ft wood bridge to cross a small wetland area at the east end of the trail in JLSHP. New bridge construction will be single span and be built above top of bank.</p> <p>A wooden driveway bridge on the South Fork of Matanzas Creek will be replaced to meet current building codes. The existing bridge and abutments will be removed, and a new longer single span bridge will be constructed on new foundations at each end, to eliminate the constriction of the creek by the existing bridge abutments. The replacement bridge will consist of a modified railroad flatcar with a wood or concrete deck. Demolition of the bridge will not involve removal of the concrete floor of the old bridge structure.</p> <p>The crossings that are not bridged would be located at seasonal streams where the topography of the stream corridor allows a gentle approach and exit into the stream channel. Wet crossings would be constructed of native rock, and would include inlets and energy dissipaters to line the stream channel but not impede flow. No in-stream or riparian habitat functions or values will be adversely affected by the repositioning of rocks in the creek beds. Work within the stream/riparian corridor shall be confined to the period of June 15 to October 15 of each year. Re-vegetation is not confined to this period, but shall occur during the same calendar year as the construction. Existing bank and channel vegetation will be saved to the maximum extent possible.</p> <p>The Project will include addition of one new 45' x 24" diameter culvert and replacement of two failing culverts (1-20' x 36" culvert replaces a 24" culvert and 1-20' x 12" culvert replaces two 5" pipes.</p>

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		<p>The project permanently impacts 264 sq ft of ephemeral stream channel and bank as a result of nine wet-crossings and seasonal drainage impacts associated with road improvements at Jacobs Ranch. Additionally, 44 sq. ft. will be permanently impacted as a result of removing the existing concrete footings of the wooden driveway bridge on the South Fork of Matanzas Creek.</p> <p>Approximately 4.9 cubic yards of native river rock will be redistributed in nine different unnamed ephemeral drainages for the creation of a recreational hiking trail, as well as approximately 2 cubic yards of rock rip rap at the inlet and outlet of the new and replaced culverts in an unnamed seasonal drainage for access road and drainage improvements.</p>															
3.	Receiving Water(s); Hydrologic Unit(s);	<p>Matanzas Creek is the main creek flowing through the site. The other creeks are unnamed and seasonal tributaries of Matanzas Creek.</p> <p>See Attachment C for more details</p>															
4.	Latitude/Longitude	38.37028, -122.62370															
5.	Fill Volume (CY)	<table border="0"> <thead> <tr> <th></th> <th><u>Waters of the U.S./State</u></th> <th><u>Waters of the State</u></th> </tr> </thead> <tbody> <tr> <td>Channel Impacts:</td> <td>4.6 CY Permanent</td> <td>0.3 Permanent</td> </tr> <tr> <td>Culvert Installation:</td> <td>2.0 CY Permanent</td> <td></td> </tr> <tr> <td>Bridge Installation:</td> <td>16.3 CY Permanent</td> <td></td> </tr> <tr> <td>Coffer Dam:</td> <td>7.3 CY Temporary</td> <td></td> </tr> </tbody> </table>		<u>Waters of the U.S./State</u>	<u>Waters of the State</u>	Channel Impacts:	4.6 CY Permanent	0.3 Permanent	Culvert Installation:	2.0 CY Permanent		Bridge Installation:	16.3 CY Permanent		Coffer Dam:	7.3 CY Temporary	
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6.	Water Body Type(s) & Area of Filled/Excavated Waters (Acres);	<table border="0"> <thead> <tr> <th></th> <th><u>Waters of the U.S./State</u></th> <th><u>Waters of the State</u></th> </tr> </thead> <tbody> <tr> <td>Channel Impacts:</td> <td>196 sq. ft. (0.006 ac)</td> <td>16 sq. ft. (0.0004ac)</td> </tr> <tr> <td>Culvert Installation:</td> <td>52 sq. ft. (0.001ac)</td> <td></td> </tr> <tr> <td>Bridge Installation:</td> <td>44 sq. ft. (0.001 ac)</td> <td></td> </tr> <tr> <td>Coffer Dam:</td> <td>132 sq. ft (0.003 ac)</td> <td></td> </tr> </tbody> </table> <p>See Attachment C for more details</p>		<u>Waters of the U.S./State</u>	<u>Waters of the State</u>	Channel Impacts:	196 sq. ft. (0.006 ac)	16 sq. ft. (0.0004ac)	Culvert Installation:	52 sq. ft. (0.001ac)		Bridge Installation:	44 sq. ft. (0.001 ac)		Coffer Dam:	132 sq. ft (0.003 ac)	
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7.	Mitigation Considerations	<p>A combination of avoidance and minimization measures are proposed to offset potential effects of project construction to waters of the U.S./State. All feasible and practical measures will be undertaken to avoid and/or minimize impacts to waters during construction. These measures will conform to guidelines stated in the project's Mitigated Negative Declaration (SCH. # 200710271).</p>															
8.	Compensatory Mitigation	<p>Compensatory mitigation will consist of three restoration projects designed to reduce erosion and improve the functional performance of streams within the trail corridor and a reforestation project to mitigate for the number of trees scheduled to be removed from the trail route during construction. Below is a brief description of those projects.</p> <ol style="list-style-type: none"> 1) <u>Matanzas Creek Gully Head Repair on Jacobs Ranch</u>: An 525 sq. ft. (15'x35') incised headwall and escarpment at the Cooper's Grove property will be regarded to a reasonable angle of repose and armored with cobbles to reduce the impact of water coming from the neighboring property and to alleviate the erosion of the headwall. 2) <u>Stream Restoration on Sonoma Mountain Woodland</u>: During the winter of 2005-2006, flood waters carried significant debris down a drainage leading into the south central property line of the Sonoma 															

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		<p>Mountain Woodlands property. The debris was caught by a barbed wire fence across this property border causing the stream water to back up and erode the area around the jam. In order to restore the natural flow of the stream channel, the debris will be cleared and scattered uphill and a fence line will be reinstalled that will not prevent debris from naturally washing down the stream channel. This, in turn, will prevent the trail from being severely eroded at the approach into or departure from the creek crossing.</p> <p>3) <u>Road Decommission on Skiles Ranch</u>: Several road spurs have been identified that will be decommissioned during the construction of this portion of the trail. The restoration of the original topography will allow water to flow naturally across the decommissioned roads.</p> <p>4) <u>Reforestation Project</u>: Mitigate at a 2:1 ratio for the number of trees larger than 9 inches Diameter Breast Height (DBH) scheduled to be removed from the trail route during construction. The area to be replanted will be near the trailhead along the South Fork Matanzas Creek and east of the ranch house on Jacob's Ranch.</p>
9.	State Permits	California Department of Fish and Game (CDFG) Lake and Streambed Alteration Agreement Permit: File # 1600-2009-0119-3
10.	Federal Permits	U.S. Army Corps of Engineers NWP 42 (Recreational facilities) and NWP 33 (Cofferdam). (File # 2009-00204N)
11.	California Environmental Quality Act Compliance	Mitigated Negative Declaration State Clearing House (SCH) No. 200710271 Lead Agency: Sonoma County Agricultural Preservation and Open Space District Date Completed: November 15, 2007