



Colby Fire Trail Survey BAER Report

Garcia Trail

January 27, 2014

by Freddie W. Duncan

This trail survey was completed in efforts to identify key locations where post fire effects (erosion, run-off, debris flows) may cause a significant threat to personal safety and trail infrastructure. The areas of interest along the Garcia Trail were where the trail intersects drainages and have the potential for significant run-off during moderate to heavy precipitation.

The overall trail length from L.A. County Fire Station 97, to Azusa Peak was 1.2 miles. An estimated 300 feet, from Azusa Peak, down to the Glendora Ridge Motor Way is on Forest Service (FS) lands. This section of trail on FS land is on an old service road and was not significantly impacted by the Colby fire.

There were 9 locations along the trail outside of FS land that may experience heavy run-off during moderate to heavy precipitation. Descriptions of each site (Sites 1-9) along with associated photographs are provided in the Appendix. A map is also included showing each point.

In addition, it is important to mention the overall trail conditions that were observed.

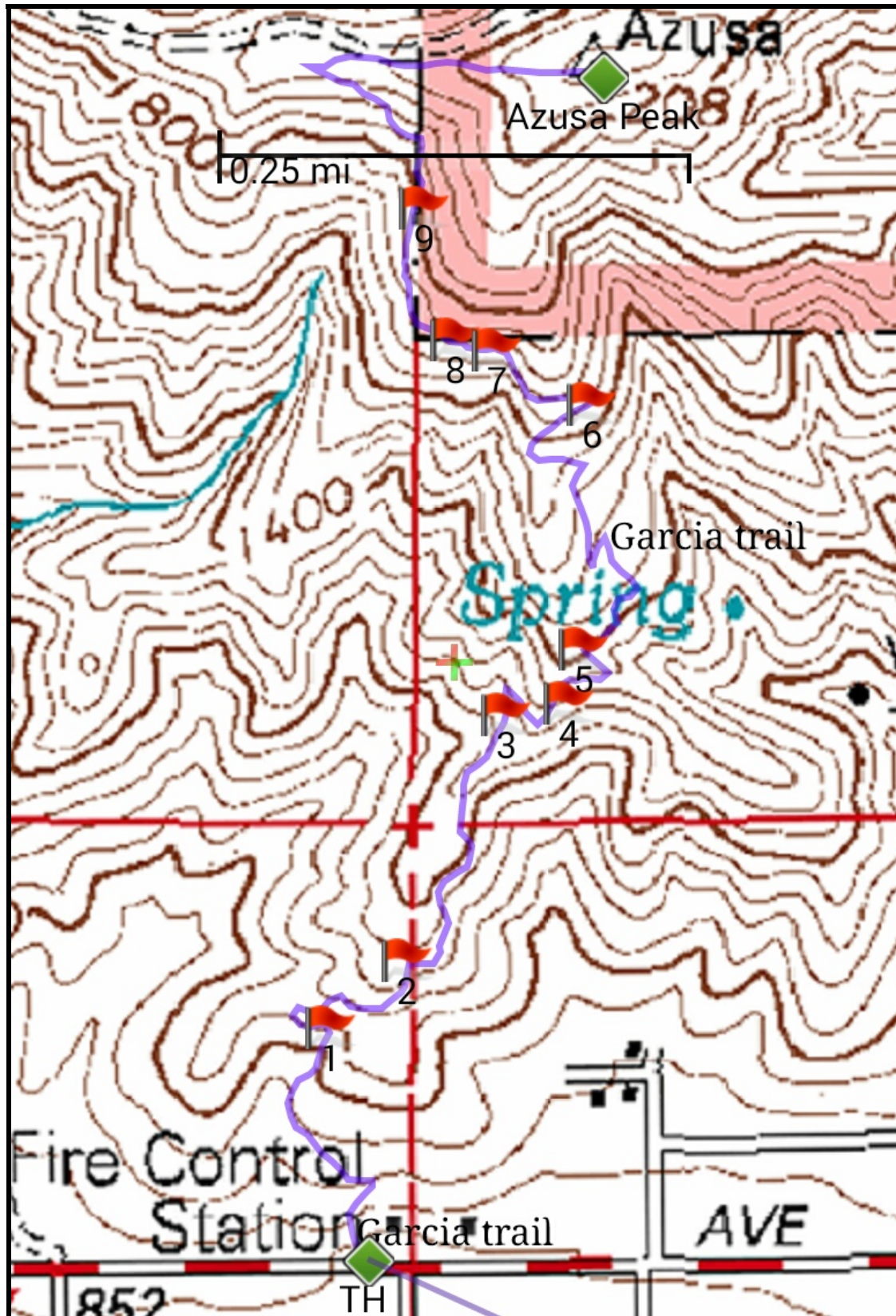
An estimated 60 percent of the trail tread has been covered by dry ravel as a result of the Colby fire. Ninety percent of the retaining walls which once supported the trail (Site 4) are failing and in a state of disrepair. Unconsolidated loose materials continue to erode downhill covering the trail tread even under stable weather conditions. Ten to fifteen percent of the Garcia trail treads runs perpendicular to contour in alignment with drainages that may experience heavy run-off during precipitation.

Approximately 94% of the Garcia trail is located in private parcels. Only the last section of the trail, about 6% is located in the USFS Angeles National Forest.

Two members of the Los Angeles County Department of Public Works (Kenneth D. Rickard & Michael A. Miranda, P.E.) visited the Garcia Trail and made their own assessments. Contact information:

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Garcia Trail Survey point map



Site 1 Location 34.148698 , -117.889901

This drainage transects the trail three times. Trail tread aligned with drainage.



Site 2 Location 34.149217 , -117.889205

Poor drainage design coupled with unstable soil above trail tread.



Site 3 Location 34.150857 , -117.888344

Drainage aligned with radius turn on trail tread.



Site 4 Location 34.151192 , -117.887691

Failing retaining wall system.



Site 5 Location 34.15161 , -117.88756

Drainage aligned with radius turn.



Site 6 Location 34.153494 , -117.887484

Overhead view



Section 7 Location 34.15391 , -117.888364

Trail tread covered with dry ravel, failing retaining wall.



Section 8 Location 34.153991 , -117.888752

Drainage intersecting trail tread. Failing retaining wall.



Site 9 Location 34.15005 , -117.889944

100 percent slope with dry ravel covering trail tread under stable weather conditions.

