

CASE STUDY

PASADENA-GLEN WATERSHED SOUTHERN CA

SLOPE STABILIZATION



PROJECT SUMMARY

In October 1993, a series of major brush fires ravaged Southern California. The Kinneola Mesa fire scorched more than 5,700 acres in the San Gabriel Mountains, leaving several major watersheds barren. The watersheds serve the foothill communities of Altadena, Pasadena and Sierra Madre. Without vegetation, these communities were at high risk for catastrophic mudslides during the rainy winter months. The disastrous fire created a unique opportunity to quickly rehabilitate the Pasadena-Glen Watershed and restore it back to its natural state. The primary concern of the Forest Preservation Society of California was to restore the watershed's ability to collect and percolate rainfall, since each acre foot restored means substantial savings to the state by reducing the need to import water.

The project was divided into three phases: reseeded burned areas; stabilizing the soil by using erosion control blankets; and surveying the channel and clearing obstacles. The Society decided that the most cost-effective way to reduce runoff erosion and ultimately renew the environment was to install a layer of organic matter to protect the exposed soil. Because of the steepness and the high altitudes of the San Gabriel Mountains, LANDLOK® CS2 Erosion Control Blankets from Propex Geosolutions were chosen to stabilize the slopes. LANDLOK® 24 is a high-tensile strength blanket made from a blend of coconut and straw. Within weeks of the LANDLOK® CS2 installation, grass was growing on the sides of the mountains. Several years after the devastating fire, close review shows the use of LANDLOK® 24 was exceptionally effective in restoring the area.



AFTER FIRE



ONE YEAR AFTER FIRE WITH LANDLOK® CS2

FEATURES & BENEFITS

- Aesthetic Vegetated Solution
- 100% Mattress Grade Coconut Fiber
- Degradable and Non-degradable Rolled Erosion Control Solutions
- Ability to Collect and Percolate Rainfall



VISIT OUR WEBSITE FOR MORE INFORMATION, PRODUCT SAMPLES OR OTHER INQUIRIES OR CALL CUSTOMER SERVICE AT 1.800.621.1273



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