

TOP CUT REVEGETATION Case Study

PROJECT DETAILS

Project Name	Independence Pass
Location	Aspen, Colorado
Date of Installation	September 2020
Salesperson	Tom Bowman
Contractor	Powell Restoration

THE CHALLENGE

The Independence Pass Foundation, a conservation group dedicated to preserving the Independence Pass section of the Colorado Rockies, needed assistance with their slope stabilization project. The challenge was stabilizing the “Top Cut” on Highway 82 near the summit of Independence Pass. Steep slopes, poor soil, high altitude and difficult site access made for a challenging project that is not ideal for vegetation growth.

THE SOLUTION

The solution for vegetating and stabilizing this steep Top Cut required a unique mix of products combined with 20,000 gallons of water. This solution was then hydroseeded on about 1 acre of hillside. It was also the most economical option to vegetate and stabilize the slope.

Erosion Control/Slope Stabilization Solutions Used:

- Biosol Forte Organic Fertilizer at 3,000 lbs/acre
- Humate at 1,000 lbs/acre
- Mycorrhizae at 20 lbs/acre
- PermaMatrix at 4,000 lbs/acre
- Rainier Bonded Fiber Matrix at 3,000 lbs/acre
- Custom seed mix of native mountain seed that is designed to grow at 12,000 ft elevations.

This combination of products locks soil, seed and moisture in place, providing quick erosion protection and ensuring the seed will grow. This product mix also fertilizes, nourishes and heals the poor soil, ensuring plants will thrive and grow stronger over time.



PRODUCTS USED



Biosol Forte 7-2-1, Humate,
Mycorrhizae & PermaMatrix



Bonded Fiber Matrix



Custom Seed Mix

THE RESULTS

After a year of growth, the lower half of the Top Cut showed robust growth, with more plant coverage than years previous. After two years of growth, more of the upper half started to fill in with vegetation and the vegetation established in 2021 was even fuller. As time goes on, the soil will continue to become healthier and the vegetation will become stronger and better established, providing long-lasting erosion control and stabilizing the Top Cut.

2021



2022



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303.696.8960 | wefixdirt.com

10801 E. 54th Avenue, Denver, Colorado 80239
info@wefixdirt.com