

## ProGanics® DUAL™ Proves Ideal for San Elijo Lagoon Wetland Restoration

### PROJECT STAKEHOLDERS

- Stover Seed, Distributor
- Pacific Restoration Group, Inc. (PRG), Contractor
- Marathon Construction, Prime Contractor

### CHALLENGE

- Perform erosion control and revegetation around one of California's largest, environmentally sensitive wetlands.

### RESULTS

- Highly successful implementation of Profile's PS<sup>3</sup> baseline soil analysis and vegetative restoration with ProGanics® DUAL™, JumpStart™, BioPrime™ and Aqua-pHix™.

### PRODUCTS USED

- ProGanics® DUAL™: 5,500 lb/ac (6,164 kg/ha)
- JumpStart™: 5 gal/ac (56 L/ha)
- BioPrime™: 140 lb/ac (156 kg/ha)
- Aqua-pHix™: 6 lb/ac (6.7 kg/ha)

When a \$120 million restoration project began on one of California's largest and most environmentally sensitive wetlands, Profile® Products came on the scene to revegetate and prevent erosion. The highly visible area required a solution that would not only preserve the environment's sensitive water and soil, but also complement the project's goals of tidal flow improvements, enhancing native wildlife habitat and establishing new trail connections for the community's enjoyment.

### A SMARTER APPROACH TO SOIL RESTORATION

Pacific Restoration Group (PRG) first performed detailed soil tests using Profile's PS<sup>3</sup> soil testing software, which showed the extent of the site's soil deficiencies and helped them identify a tailored prescription of products to achieve the project's goals. Due to the slopes and banks and the deficient soil, PRG applied ProGanics® DUAL™, combining improved soil health with a BFM-level erosion control effectiveness to stabilize seed and soil. Because of the site's generally arid climate, PRG added JumpStart™ and BioPrime™ to accelerate germination and vegetation and rejuvenate the soil for long-term health. The team also added Aqua-pHix™ into the slurry to combat high pH, salts and bicarbonates identified during the soil tests.

Crucial for achieving the project's goals, all of Profile's products are environmentally friendly and engineered with biodegradable



*Hydroseeding with Profile's eco-friendly solutions saved time and money*

and renewable materials while still protecting the site's sensitive environment and meeting performance requirements.

### SUSTAINABLE RESULTS YOU CAN SEE

PRG began installation of Profile's products in June 2021. By fall, thick vegetation had taken root and native wildflowers were blooming. By January, grasses were fully established, and the project's revegetation and erosion control goals were achieved while saving on time and budget by minimizing the need to import new topsoil.

The positive results were evident, as wildlife such as native seals were soon spotted in the lagoon for the first time in decades. The effective implementation of environmentally friendly solutions helped the San Elijo Lagoon project win the American Public Works Association (APWA) Project of the Year Award as well as Profile Products' Green Project of the Year Award for 2021.



*Hydraulically applying ProGanics DUAL in June 2021*



*Lush vegetation during a follow-up visit in January 2022*



*Native flowers, grasses and wildlife were seen in the lagoon less than 6 months after application*