

# Restoration Ecology

## Recreating Natural Functioning Ecosystems After Disturbances



Tannas Conservation Services Ltd

### WE PROVIDE THE HIGHEST QUALITY AND MOST EFFECTIVE RESTORATION DESIGNS AVAILABLE

**Ecosystem Evaluation:** *Plant Community Assessment, Imagery and Data Analysis, and Comprehensive Habitat Assessments*

**Seed Mix Designs:** *Creating scientifically accurate seed mixes and incorporating decades of monitoring and propagation of native plants to ensure success every time*

**Planting Designs:** *With decades of experience, we have propagated hundreds of native species and can ensure the right plan is placed in the right location to ensure success*

**Bio-engineering Designs:** *Brush layers, Fascines, Brush Mattresses, Crib Walls, TRM placement, Erosion Control, Vegetated Gabions, Vegetated Riprap, and Vegetated Spurs. We create unique designs for the needs of each project to achieve the highest habitat protection*

**Floating Island Design:** *Planting Designs, Island Design, and Research into bio-remediation makes us effective in achieving all our clients' goals*

**Environmental Inspections:** *We complete comprehensive environmental inspections for all our clients' needs*

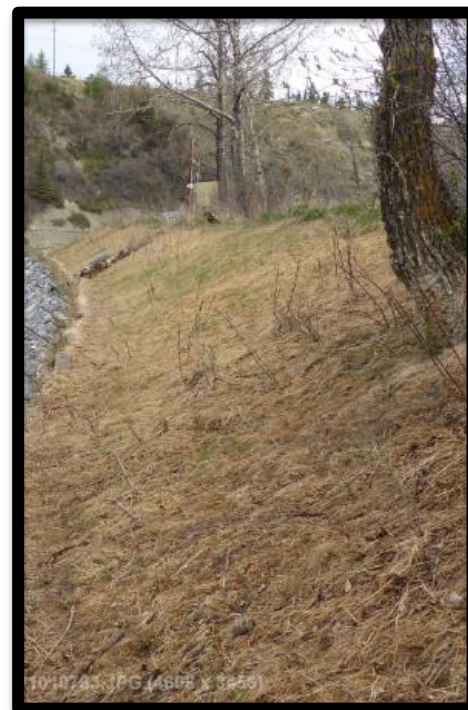
**Reclamation Monitoring:** *We have completed numerous long term monitoring programs to ensure the success of each project*

### REGULATORY ASSESSMENTS AND APPLICATIONS

**Assessments:** *Phase 1, Phase 2, Detailed Site Assessments*

**Reclamation Applications:** *We provide detailed high quality reports ensuring the success of each application*

**Other Environmental Assessments:** *BIA's EIA's, PDA's, Wildlife Screening, Aquatic Assessments, and applications*



## Projects

*Our specialization in restoration ecology goes beyond just placing soil and throwing down seed. We have award winning professionals who have conducted years of research into native plant propagation, restoration of native ecosystems, and have pioneered new techniques in restoration of ecosystems. With a subsidiary company actively growing hundreds of native species on an annual basis, we can ensure that we provide our clients with the best quality plants that will maximize success. We specialize in restoration of challenging ecosystems with no challenge too great. We also provide comprehensive environmental survey and regulatory support to clients.*



### City of Calgary Bank Stabilization Projects

TCS personnel have been partners with AMEC for the past 3 years completing numerous bio-engineering projects throughout Calgary. These projects require infrastructure to be protected, while achieving the goal of restoring a functioning natural ecosystem with no loss of fish or terrestrial habitat during the restoration process. These projects incorporate new and unique designs and restore fully functioning native ecosystems within an urban and rural environment.

### Fescue Grassland Restoration Project

TCS personnel have been awarded the 2014 Emerald Award in the Small Business Category and were finalists for the 2015 ASTECH Awards with the successful restoration of fescue grasslands for the first time on a repeated basis. This restoration has occurred in over a dozen locations across Alberta with over half a million plugs installed.

## Experience

Winners of the 2014 Emerald Awards and Finalists for the 2015 ASTECH Awards with our restoration projects.

With over 20 years' experience working within the restoration industry, we have experience working within numerous industries to meet many different goals.

We have designed and managed numerous restoration programs for the oil and gas sector including: well sites, roads, stream crossings, and pipelines (local and international).

Designed over 10 bio-engineering projects with partnering engineering firms.

Salvaged and propagated multiple rare plant species and restored them to new protected habitat successfully

Completed high quality monitoring programs to ensure restoration success, protect rare species, and ensure the overall success of projects is achieved

Design numerous planting plans and seed mixes for other companies help ensure their success

## The Tannas Conservation Services Advantage

Based throughout Alberta, Tannas Conservation Services has extensive experience working across western Canada. Within the hundreds of projects we have completed we have surveyed over 2 million hectares of land in western Canada from the Arctic Ocean to the USA border. Our highly trained and experienced team integrates office and field work allowing the specialist writing the report to be the same person who has been on the ground. This ensures we provide each client with the best quality product.



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