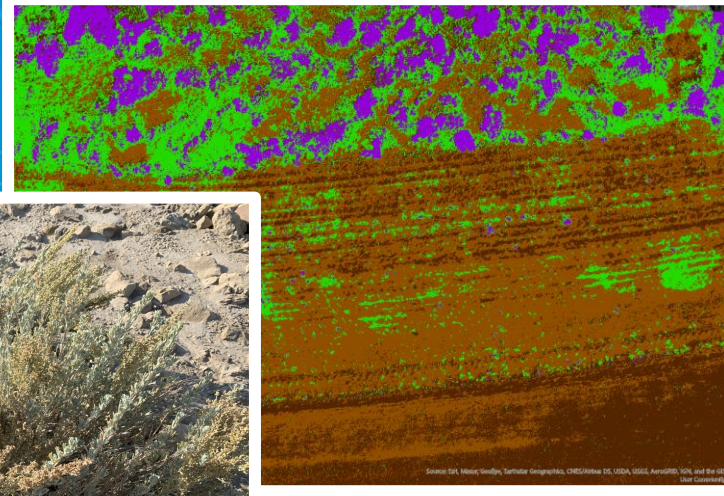
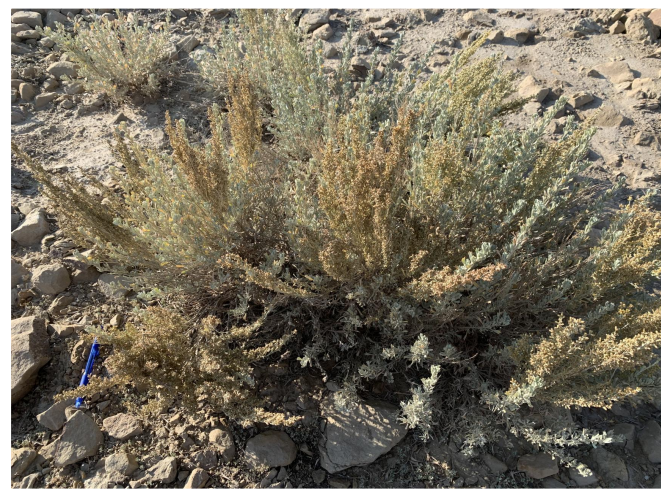




RECLAMATION AND NOXIOUS WEED CONTROL ON A LARGE-SCALE WIND ENERGY PROJECT

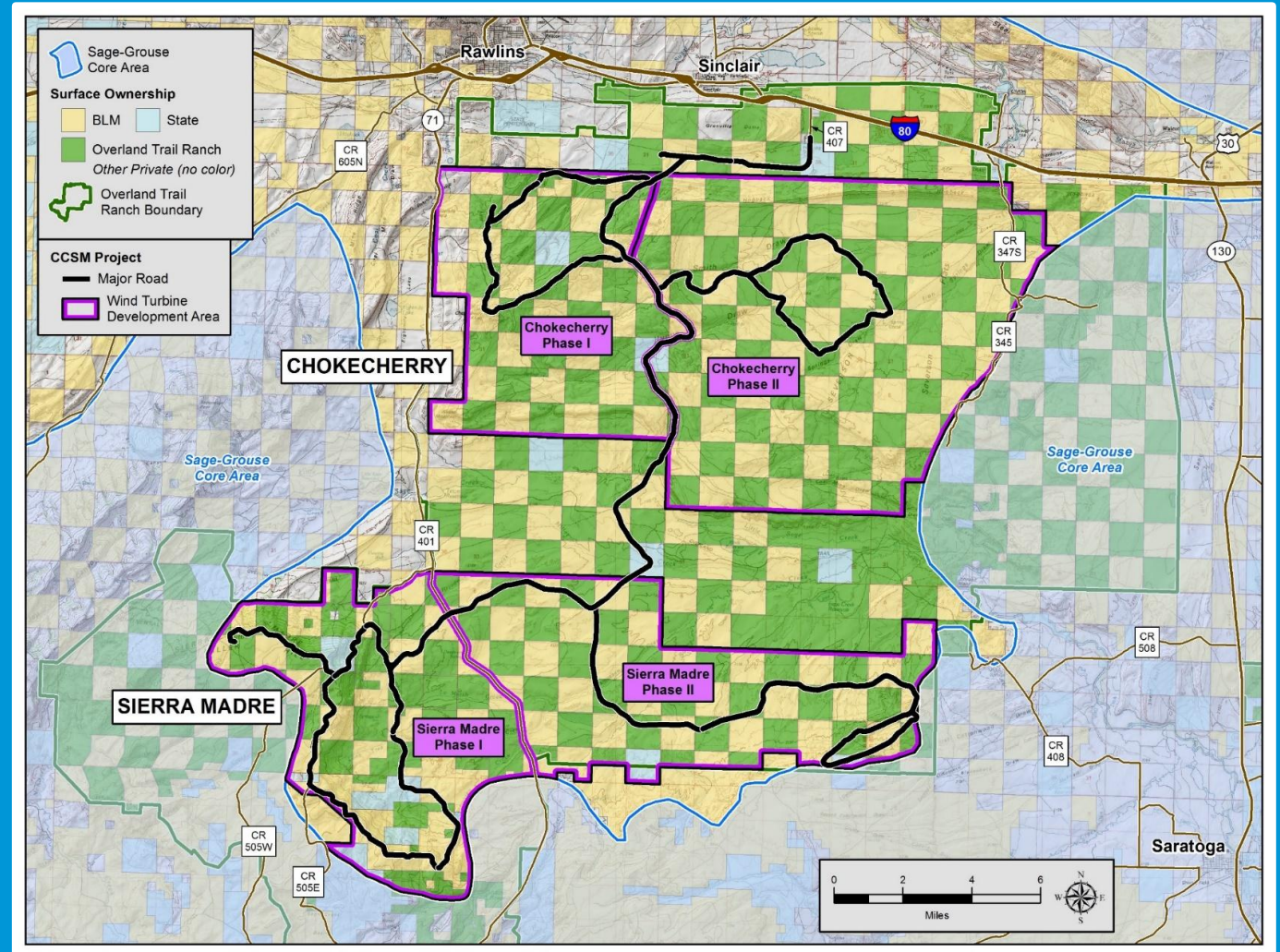
JUNE 2026 | ASRS 2026 ANNUAL MEETING – LARAMIE, WY

DR. NATE WOJCIK – PRINCIPAL RESTORATION ECOLOGIST, SWCA ENVIRONMENTAL CONSULTANTS

JON KEHMEIER – SWCA ENVIRONMENTAL CONSULTANTS | **KELLY CUMMINS** – POWER COMPANY OF WYOMING LLC

POWER COMPANY OF WYOMING LLC: CHOKECHERRY AND SIERRA MADRE WIND ENERGY PROJECT

- 3,550 MW capacity
- 12 million MWh/year of electricity
- \$5 billion energy investment
- Under construction



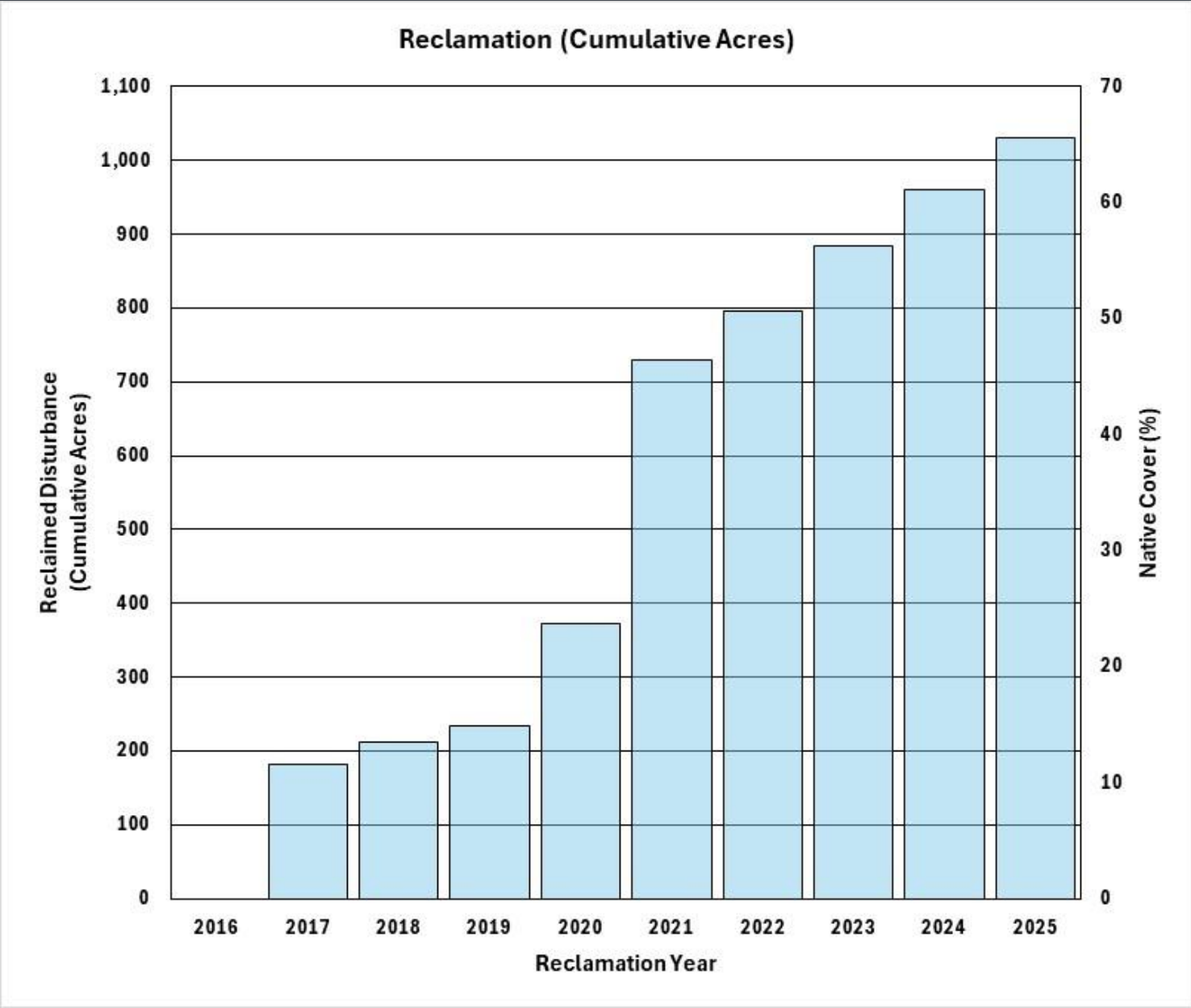
SWCA

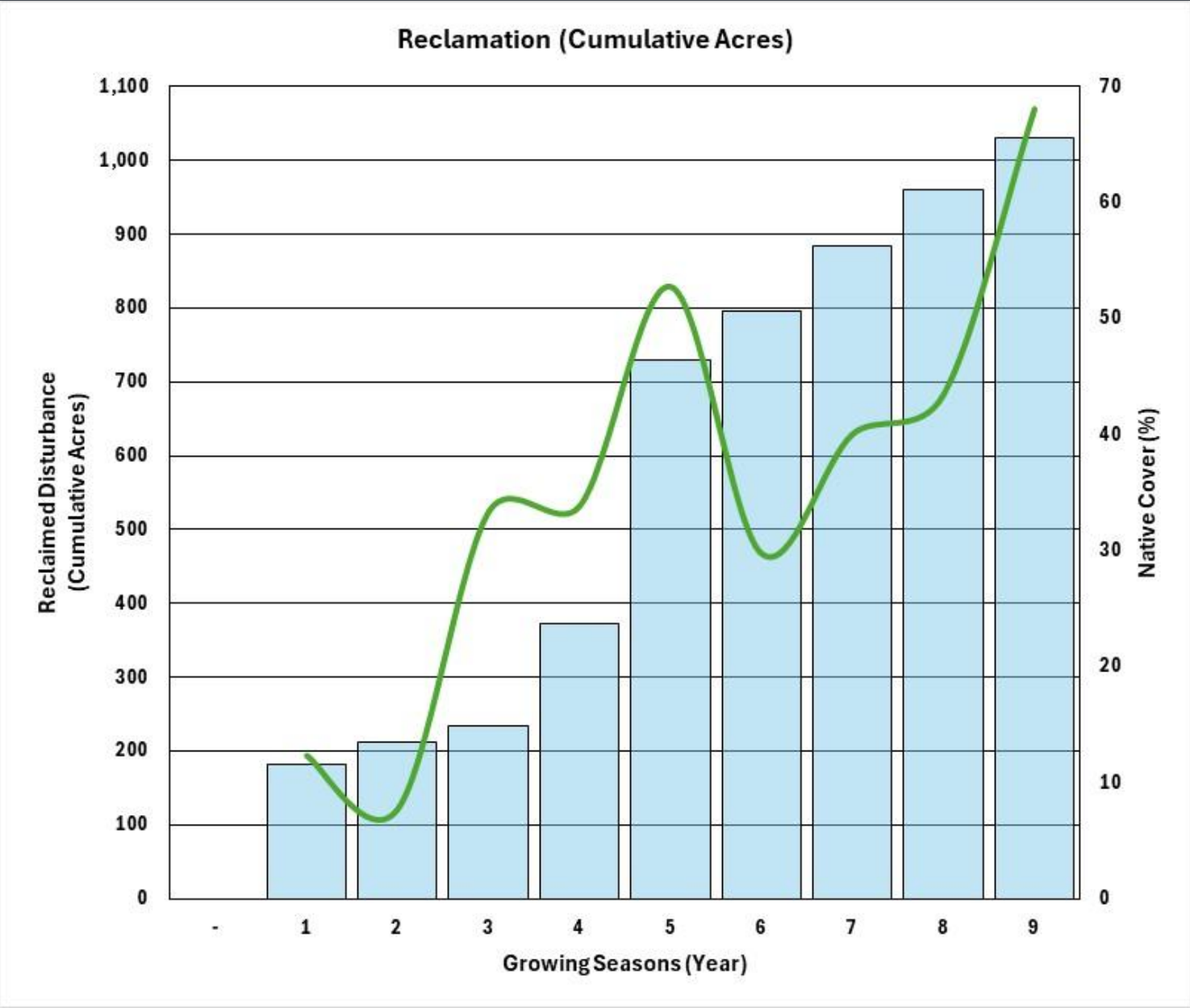
EFFECTIVE MONITORING AND NOVEL APPROACHES

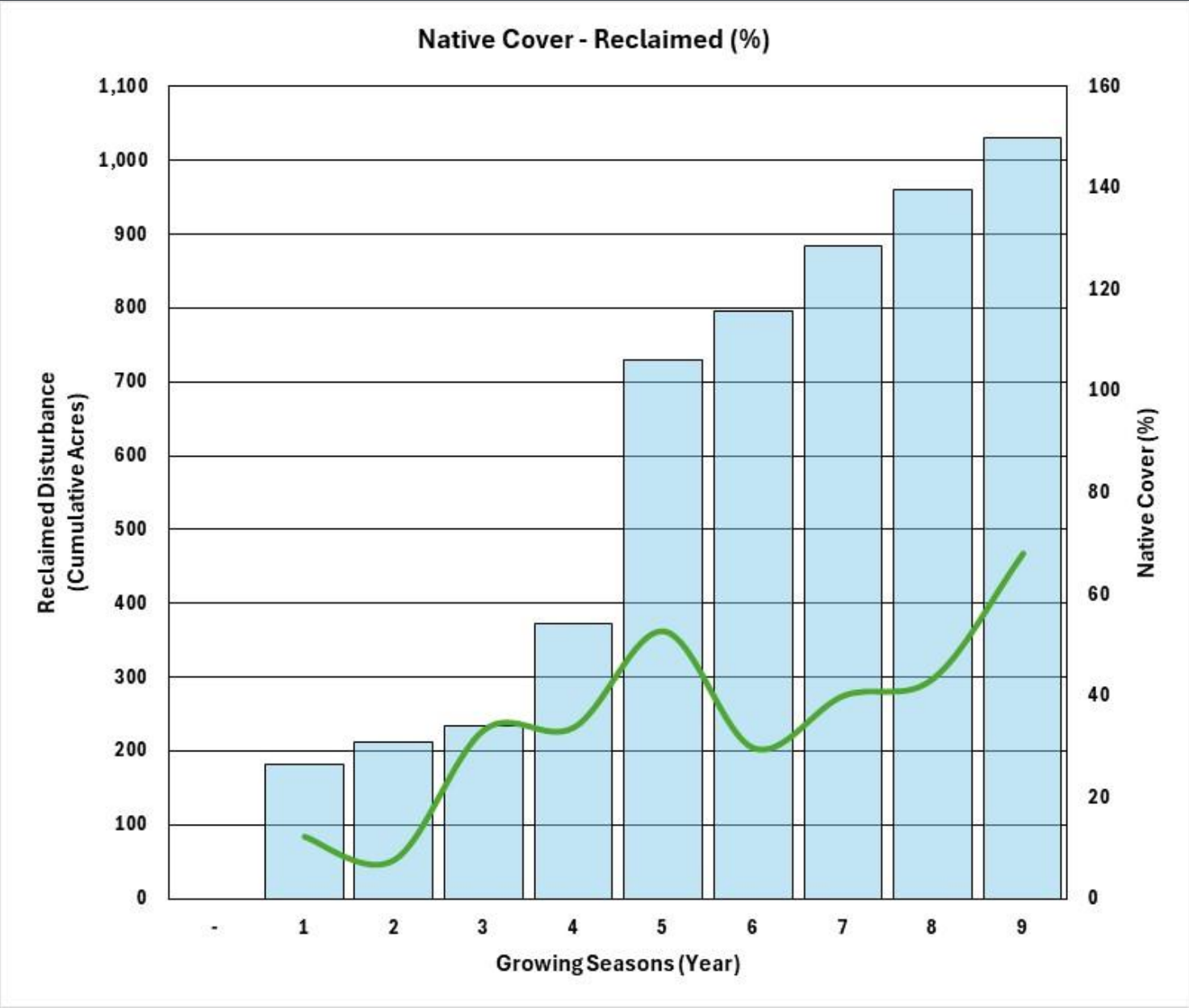
- **Effective Monitoring**
 - *Monitor for establishment (1-2 years)*
 - *Native seedling establishment*
 - *Noxious and invasive weed species*
 - *Monitor for success and diversity (3-5 years +)*
 - *Diversity of native species / growth form*
 - *Resistance and Resiliency*
- **Novel Approaches**
 - *Understanding project scale*
 - *UAS technologies and monitoring approach development*

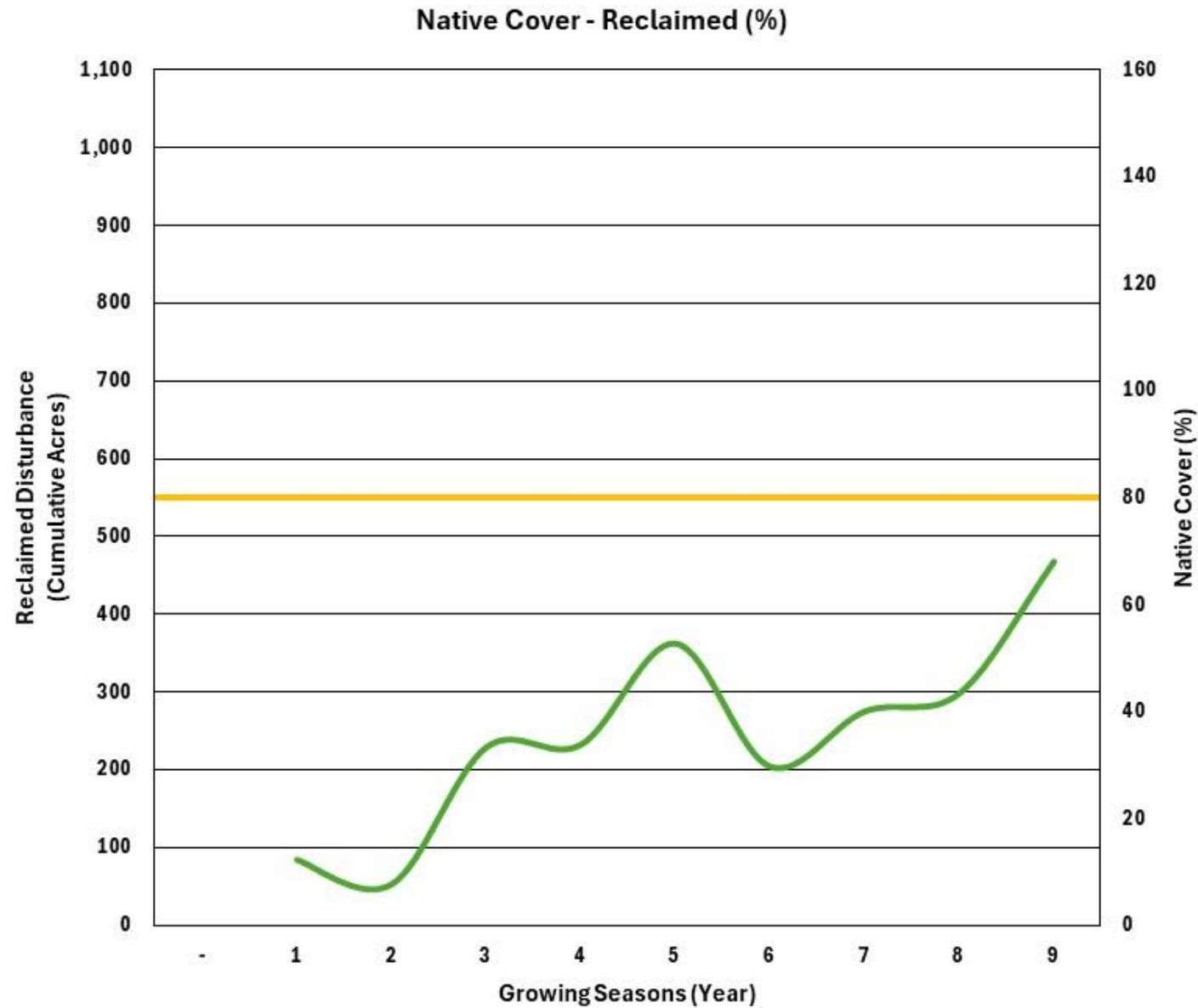
RECLAMATION, RESTORATION, AND WEED MANAGEMENT - OVERVIEW

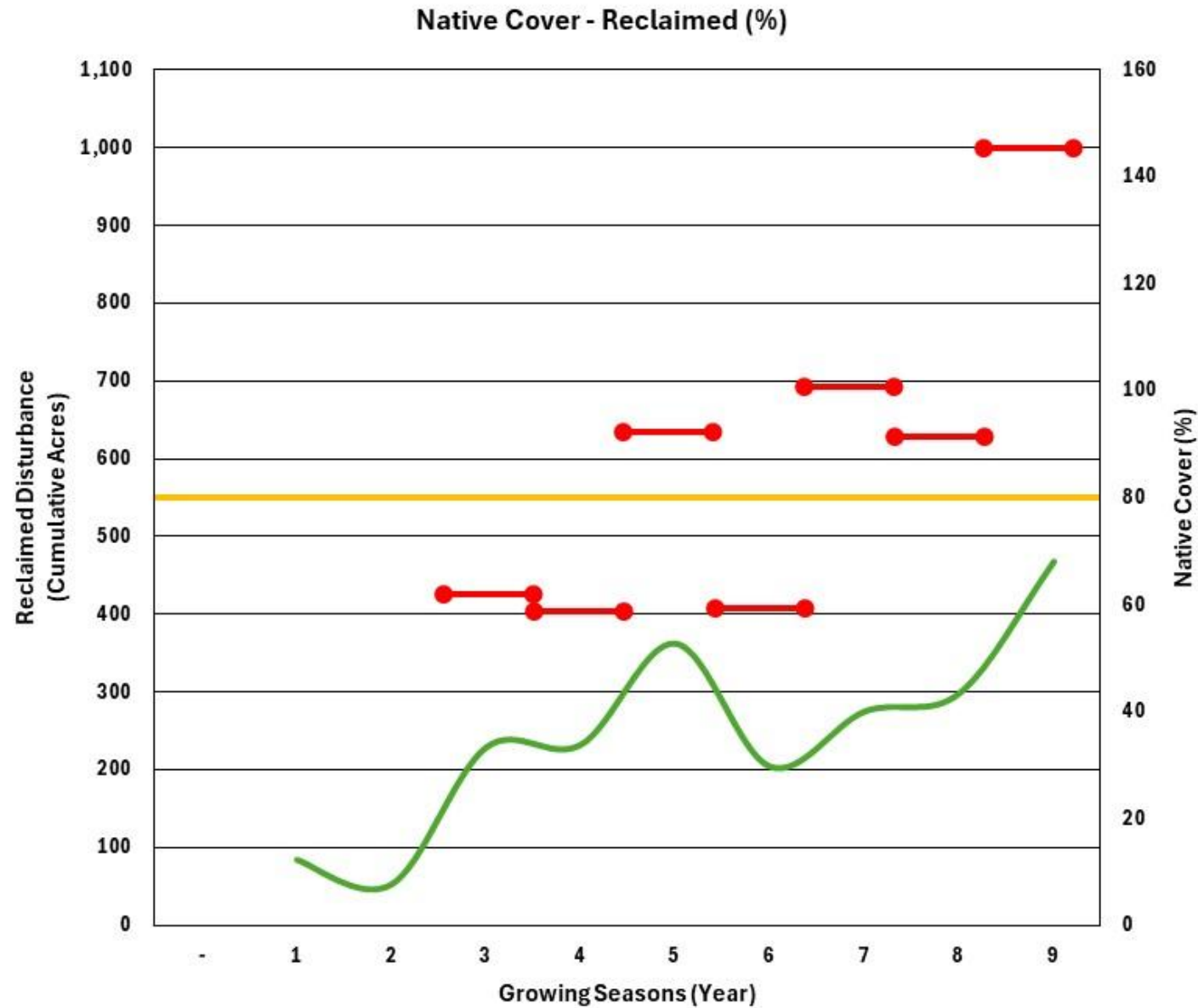
- **CCSM Project Reclamation Program**
 - Planning and Implementation
 - Successes (*and some lessons learned...*)
- **CCSM Project Weed Management Program**
 - Planning and Implementation
 - Successes (*and some lessons learned...*)
- **CCSM GRSG Conservation Program and Habitat Restoration Efforts**
 - Planning and Implementation
 - Successes!!



















CCSM PROJECT WEED MANAGEMENT PROGRAM

- **Communication and Coordination**
- **Weed Treatment Planning Process**
 - *Prevention and education*
 - *Continuous inventory and active control*
- **Ecological Site Concepts**
 - *Susceptible ecological sites*
 - *Resilient ecological sites*
- **Evaluate Treatment Effectiveness**
 - *Follow up on the resources and hard work that are applied*
- **Apply Novel Strategies (... if at first you don't succeed!)**

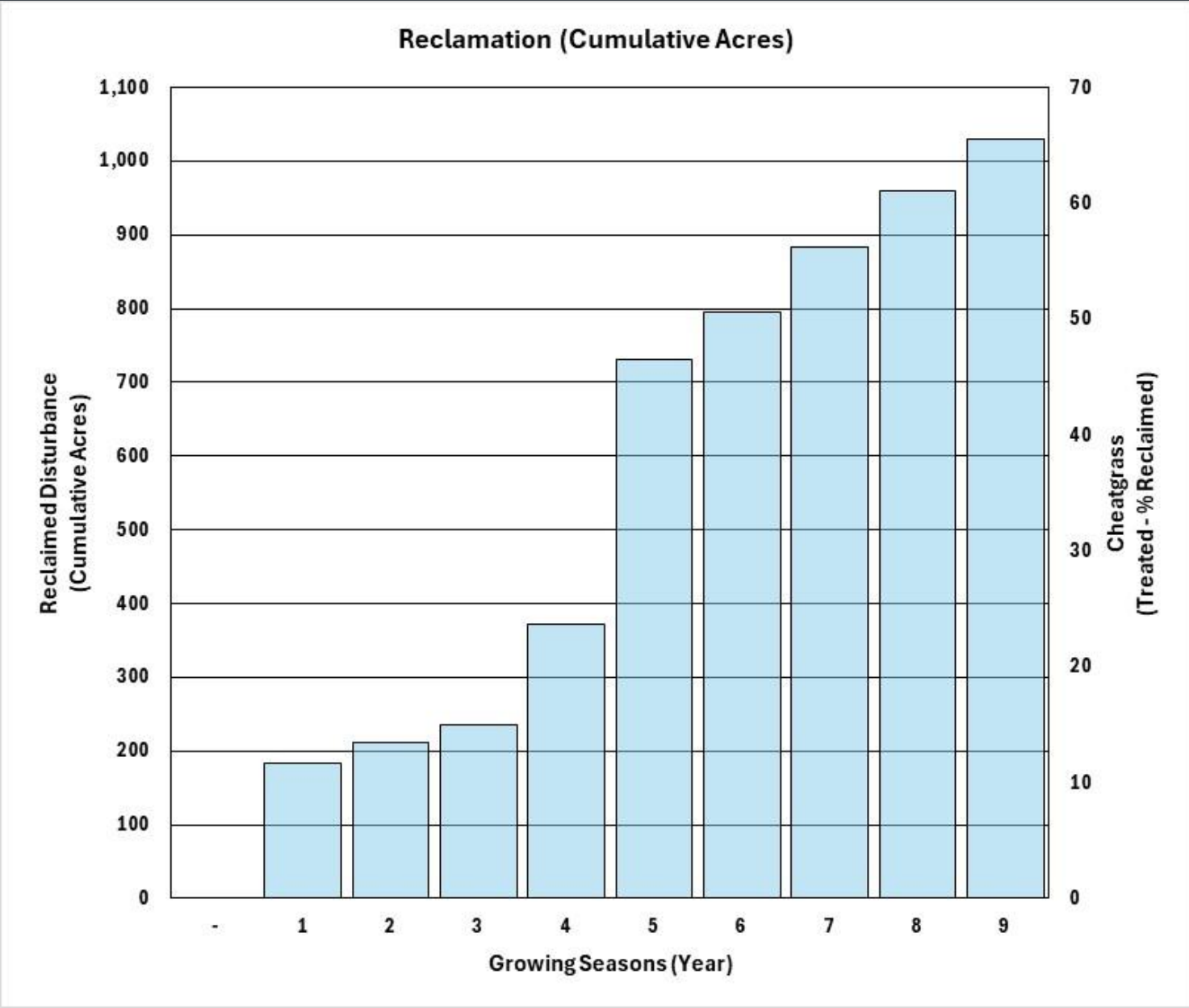
CHEATGRASS CONTROL PLAN (ADAPTED FROM MEALOR ET AL. 2013)

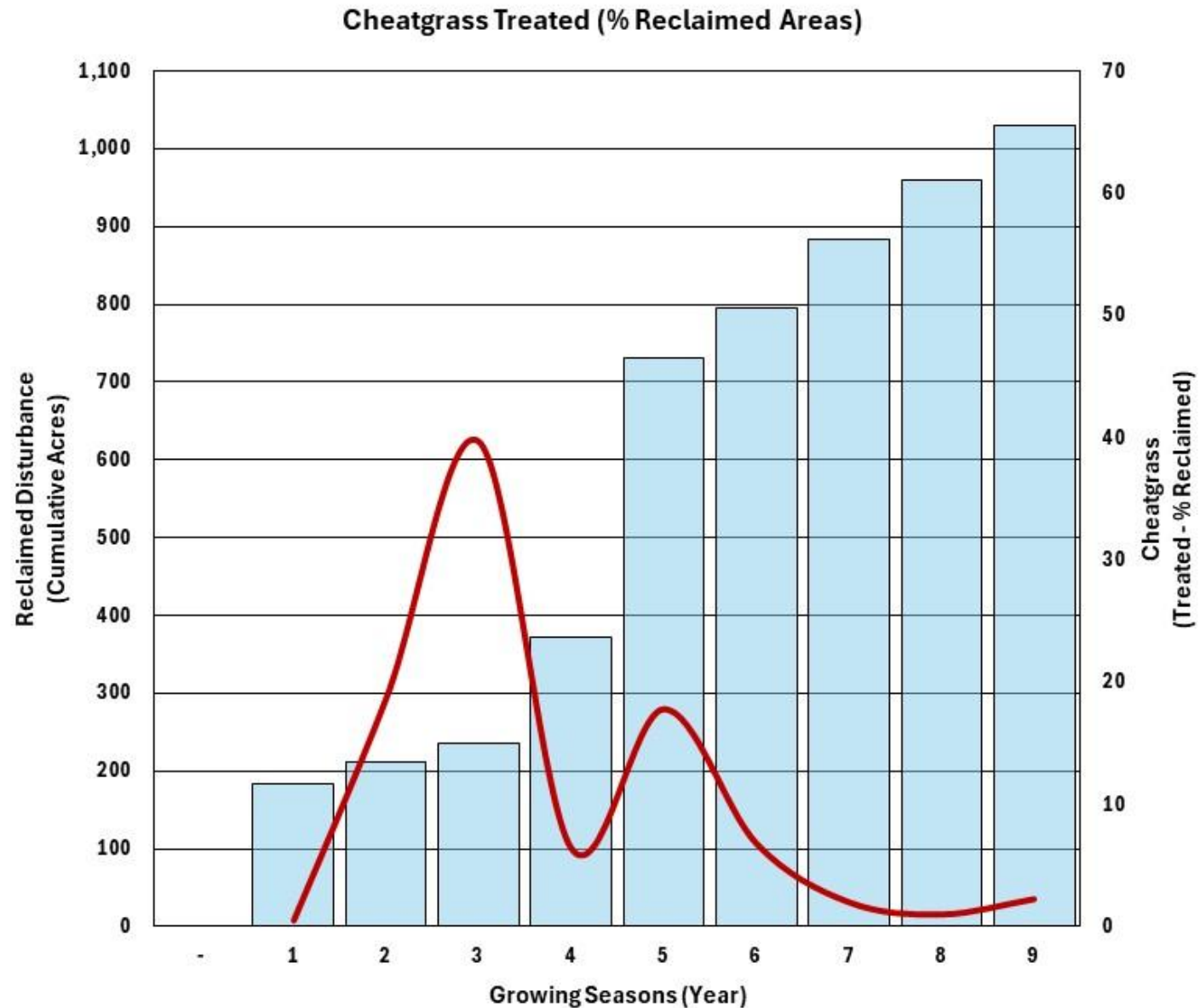
- **Post-Monitoring Assessment**
 - *Determine monitoring and/or treatment action(s)*
- **Timing of Reclamation Activity**
 - *Initial Reclamation and Seeding*
 - *Re-seeding*
 - *Maintenance/Re-disturbance*
- **Monitoring and Treatment Actions**
 - *As determined on Reclamation Activity and Level of Infestation*

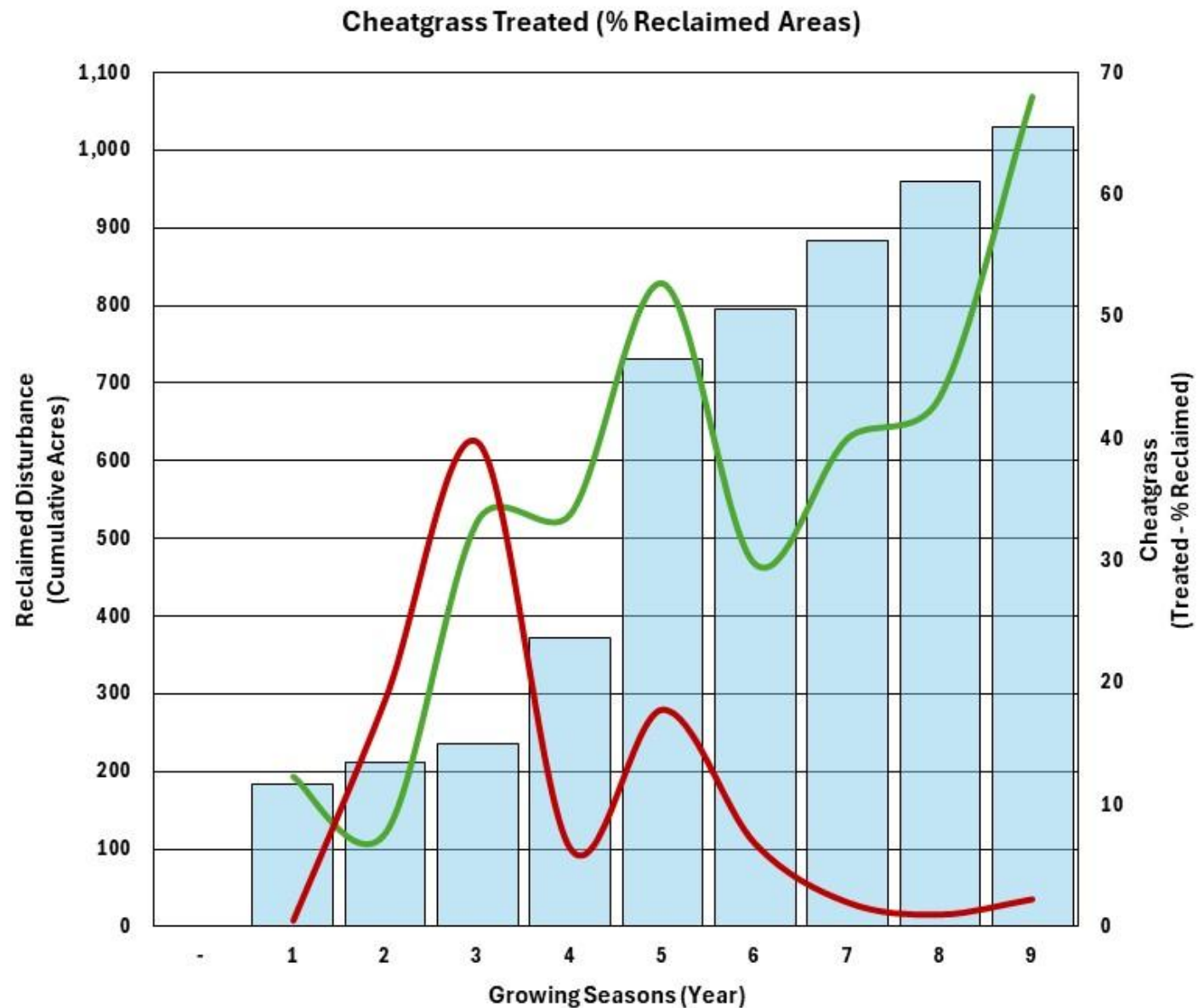
CHEATGRASS CONTROL PLAN

(ADAPTED FROM MEALOR ET AL. 2013)

		Timing of Activity	Infestation Level on Adjacent Landscape		
			Level A	Level B	Level C
Infestation Level in Disturbed or Reclaimed Area	Level A	Initial seeding and reclamation; reseeding; or re-disturbance	[Action]	[Action]	[Action]
	Level B	Initial seeding and reclamation; reseeding; or re-disturbance	[Action]	[Action]	[Action]
	Level C	Initial seeding and reclamation	[Action]	[Action]	[Action]
		Reseeding	[Action]	[Action]	[Action]
		Re-disturbance	[Action]	[Action]	[Action]



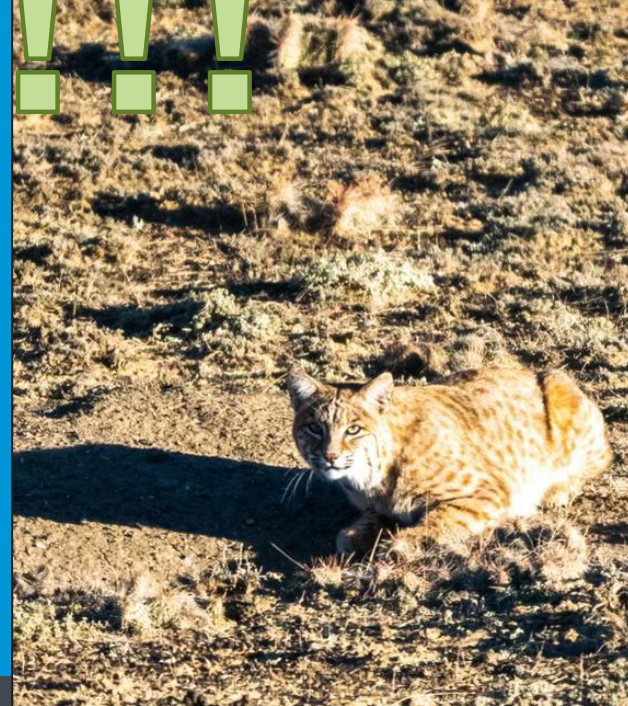
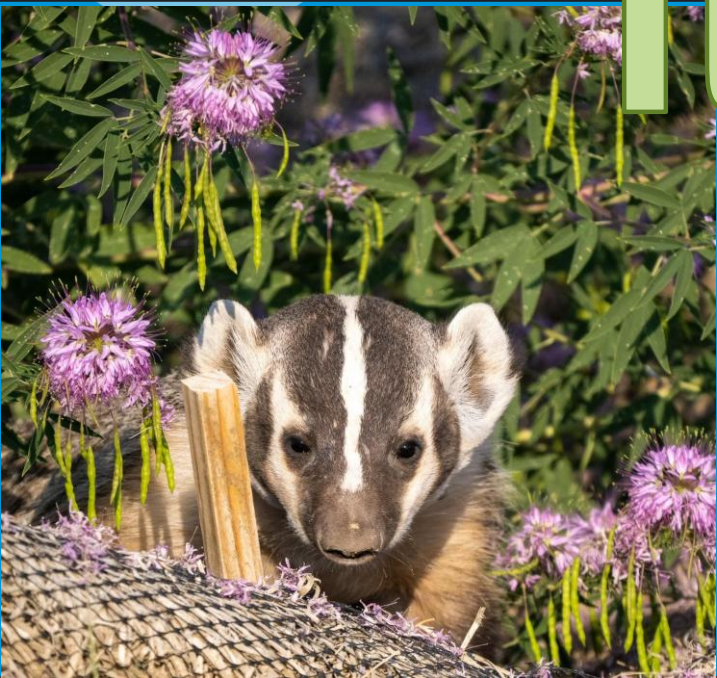












It Matters!!!

GREATER SAGE-GROUSE CONSERVATION AREA

- **Soil Forming Processes**
- **Undesirable Species Control**
 - *Noxious and invasive species control (i.e., cheatgrass)*
 - *Crested Wheatgrass Suppression*
- **Native Perennial Grass, Forb, and Sagebrush Enhancement**
 - *Drill seeding and native hay grass mulching/crimping*
 - *Broadcast seeding (winter sagebrush seeding)*
- **Sagebrush Planting/Transplanting**
- **Water Developments**

THANK YOU!!

For More Information on CCSM

www.powercompanyofwyoming.com

Nate Wojcik

SWCA Environmental Consultants

Principal Restoration Ecologist

nwojcik@swca.com

720.249.3452

