BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 19 May 2009)

Use BLOCK CAPITALS
Complete all fields.
Circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code:
Cleaning Facility:

Date(s) Collected (DD/MM/YY): 31/08/09 **Seed Collection Reference Number:** CO932-180

Collector(s): Peter Gordon, and Carol English

Country: USA **Ecoregion (T,C,B):** 21 **State:** CO County: Jefferson

Location Details: Meyer Ranch Park – From I-70 W, take exit 260 and merge onto CO-470 E towards Colorado Springs for 5.7 miles. Take the exit onto US-285 S towards Fairplay and follow 11.5 miles. Exit circles around under highway to parking lot. Collection site was approximately 275m from trailhead on the right side of trail.

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 39°32'41.9" N GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 105°16'25.1" W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 7,933' Landowner Details (Permission?): Jefferson County Open Space (Yes)

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Montane meadow – Surrounded by *Pinus ponderosa*, *Picea pungens*, *Pseudotsuga menziesii* forest. Associated species include – *Bromus inermis, Erigeron flagellaris, Penstemon virens, Eriogonum umbellatum, Sedum lanceolatum, Achillea lanulosa, Poa pretense, Potentilla sp., Rosa woodsii, Tragopogon dubius.*

Modifying Factors: *Mowed* *Burned* *Grazed* *Flooded* *Seeded* *Trampled* *Other:* N/A

Land Form: Montane meadow Slope°: 5-10°

Land Use: Recreation Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology:

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: 7.5YR 3/3 Dark Brown

COLLECTION DATA - If plant has been identified by a specialist, please see other side.

Family: Scrophulariaceae **No. of Plants Sampled** (min. 50): 71

Genus: *Scrophularia* **No. of Plants Found (approx.):** 100

Species: *lanceolata* **Area Sampled (acres):** 0.4

Subspecies/Variety:

Rec 9/3

Seeds Collected From: *Plants* *Ground* *Both*

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 3.0-4.0

Native plant materials development and research this accession will be used for: 2 cloths 1.178#

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species): Sterile stamen represented by a scale on the upper inside of the corolla throat; corolla somewhat urn-shaped, broad and open, with little distinction of tube and throat. Lvs are triangular- ovate and coarsely dentate. The brown flowers and square stems are unusual in the family. Ravines and roadside ditches, middle altitudes Reference: *Colorado Flora: Eastern Slope*. By William A. Weber. 3rd edition. Boulder: University Press of Colorado, 2001. p. 359

Common Name(s) of Plants: Lanceleaf Figwort

Photograph Taken: *Digital* *35mm* Reference (PLANTS Code_Coll. Number_Pic. No.): Where Image will be Filed:

Seed Test/Packaging Record

SOS-CO932-180

SCLA-SOS-CO932-180-09
Scrophularia lanceolata
lanceLleaf figwort
BLMS 1.17 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 2	Date/Initials: 5/5/10 LAD
OSU Sample Taken	# of pounds: 0.039g	
Sample Sent	Y N	

Test Results: Both in-house and/or OSU

100 Seed X-ray 97%
Moisture Content 4.5%
Seed Count 3,286,957

REMARKS

GERM ____ TZ OSU Strat Time: NC___ 4C ___ 8C ___ 13C___

PURITY ____ or NOXIOUS WEED only ____

MOISTURE CONTENT (use one of three methods below)

Dole Meter			**Moisture Analyzer**			**HygroPalm**			
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.	Time	Air Temp	ERH	M.C.
							74.4	21.9	4.5

X-Ray Results

97 % Filled

Results from 100 Seed X-Ray

PURITY (Use OSU sample chart to determine wt. of sample)

Wt. of Sample: 0.130 gms
Wt of Impurities:
- Crops _____ gms
- Inerts _____ gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: 0.001 gms
Wt. of Clean Seed 0.129 gms
TOTAL (Impurities + Clean Seeds) 0.130 gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 99.2 %

SEEDS PER POUND

** NOTE: If difference between max and min is less than 10% of the average samples, data is acceptable

Weight to three decimal places, when possible
Wt. of 5 reps of 100 seeds each (in grams).

0.014 0.012 0.011
0.014 0.018
TOTAL of ALL Reps: 0.069
Average: 0.014

Difference between max & Min wt. _____ 10% of average _____

NOTE: Seeds/Pound = 453600 / 1000 seed wt. (453.6 grams = 1 pound)

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 0.138 = 1000 seed wt.
Seeds per Pound = 3,286,957

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.172	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	0.172

begin leaf 0.172#
WRPIS 0.003#
0.169#

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
5/5/10	1300	1420	226-test	LAD
			2270-pkg	

	ID card file sample
5/5/10 LAD	Inventory Card Completed

POSTED TO: Lot Completion Logbook 5/5/10 LAD Computer NMIS_____