

Please use BLOCK CAPITALS

MSB Serial Number:

Please complete all the priority fields labeled in bold.

NRCS PLANTS Code: **CAAND**

Please circle relevant descriptions shown in *italics*.

Date Collected (DD/MM/YY): **04/06/06** Seed Collection Reference Number: **UT 931-61** ← BEND

Collector(s): **MATTHEW UTLEY & KATE SEBASTIAN**

Country: **USA** Ecoregion: **GREAT BASIN** State: **UTAH** County: **UTAH**

Location Details: **MIDWIDE JUST PAST EAGLE MOUNTAIN DEVELOPMENTS. SOUTH OF HWY 73 SOUTH SLOPE IN GULLY ON NORTH SIDE OF ROAD**

Lat. (dg/min/sec): **N 40° 21.478** GPS Used?: Yes No If no, please see other side.

Long. (dg/min/sec): **W 111° 59.647** GPS Datum: NAD83 NAD27 WGS84 Other:

Elevation (feet): **5084 ft** Landowner Details (Permission?): **YES**

HABITAT DATA

Habitat & Associated Species: **SOUTH EAST FACING SLOPE WITH ARTEMISIA, ERIOLONUM, JUNIPER, ASTRAGALUS, RICE GRASS, NEEDLE AND THREAD GRASS, SECO LILY, JIM HILL MUSTARD, EVENING PRIMROSE, PRICKLY POPPY, SPHAEROCLEA**

Modifying Factors: *Mowed Burned Grazed Flooded Seeded Trampled Other:*

Land Form: **FOOTHILL** Slope°: **70°**

Land Use: **RECREATION / FUTURE DEVELOPMENT** Aspect: **N NE E SE S SW W NW**

Geology:

Soil Texture: *Clay Silt Sand Other:* Soil Color: **LIGHT TAN / GRAY**

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

Family: **SCROPHULARIACEAE** No. of Plants Sampled: **150**

Genus: **CASTILLEJA ~~MIN~~** No. of Plants Found (approx.): **400**

Species: **CHROMOSA** Area Sampled (acres): **1.5**

Subspecies/Variety:

Seeds Collected From: Plants Ground Both

Plant Habit: *Tree Shrub Forb Succulent Grass/Grasslike* Plant Height (feet): **0.4 - 0.8**

Does the pressed specimen have the same reference as the seed collection?: Yes No Rec 6/19/06

If not, enter details of collector, reference, where lodged, and date collected: **1 cloth bag**
0.207#

Notes to assist identification of pressed specimen (e.g. flower color, odor, presence of closely related species):

Common Name(s) of Plants: **NW - Indian Paintbrush**

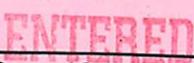
Photograph Taken: Digital 35mm Reference: **CASTILLEJA CHROMOSA 4/6/06** Where Image will be Filed: **RED BUTTE GARDEN**

Seed Test/Packaging Record

SOSUT-93106-01

CAAND-SOSUT-931-BEND61-06
 Castilleja chromosa
 NW Indian paintbrush
 SNWC .207 P

PRE-PACKAGING CHECKLIST		
Tag Count Complete	# of Tags 0	Date/Initials 1-6-07 AC
OSU Sample Taken	# of pounds .045g	
Sample Sent	Y / N Y	

Test Results: Both Inhouse and/or OSU		REMARKS
100 Seed X-ray	80	
Moisture Content		
Seed Count	2,061,810	
GERM	TZ OSU Strat Time: NC 4C 8C 13C	
PURITY 81 or NOXIOUS WEED only		

MOISTURE CONTENT (use one of two methods below)					
Dole Meter			**Moisture Analyzer**		
Dial Reading	M.C.	Grams	Temp °C	Time Used	% M.C.

X-ray Results
80% Filled
Results from 100 Seed X-ray

PURITY (Use OSU sample chart to determine wt. of sample)	
Wt. Of Sample: _____ gms	Wt. Of all Impurities: .005 gms
Wt. Of Impurities:	Wt. Of Clean Seed: .021 gms
* Crops _____ gms	TOTAL (Impurities + Clean Seeds) .026 gms
* Inerts _____ gms	Percent Purity = $\frac{\text{Wt. Of clean seeds}}{\text{Wt. Of Total}} \times 100 = 81\%$
* Weeds _____ gms	
* Noxious _____ gms	

SEEDS PER POUND	***NOTE: If difference between max and min is less than 10% of average of samples, data is acceptable.
Weight to three decimal places, when possible	
Wt. Of 5 reps of 100 seeds each (in grams): .021 .022	Difference between max & min wt. _____ 10% of average _____
TOTAL of ALL Reps _____	NOTE: Seeds/Pound = $\frac{453600}{1000 \text{ seed wt.}}$
Average .022	To calculate M seed wt, take Total of 5 samples times 2.
	2 x Total of 5 reps = .222 = 1000 seed wt.
	Seeds per Pound = 2,061,810

FINAL PACKAGING for Seed Storage/Transfer			
Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	0-012		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
TOTAL WT.		0-012	

Transaction Fee: _____

Seedbank Location

SEED TRANSFER Log Number			
Date	Wt. Shipped	Ship via	Purpose/Remarks

DATE	Start	Stop	Process	Initials
1-6-07	1325		226-test	AC
		1350	2270-pkg	AC

<input checked="" type="checkbox"/>	ID card file sample
<input type="checkbox"/>	Regional Office ID file

POSTED TO: Lot Completion Logbook Computer NMIS _____ Inventory Card Y _____ NA