

SOSAZ. 93007-02

MSB Serial Number: \_\_\_\_\_

NCRS PLANTS Code: LACA7

Storage Facility: Bend

Date Collected: #5 May 2007

Seed Collection Reference Number: AZ930-0196

Collector(s): Johnson, J., Gray, M.

ASTERACEAE

Lasthenia californica

Country: United States

Ecoregion: 23, Sonoran Desert

State: Arizona

County: Maricopa County

City/Town/Park: #Seven Springs

Geographic Area: Tonto National Forest

Location Details: Tonto National Forest. Sevin Springs Recreation Area. Forest Service Road 562. 0.1 miles north of junction with Forest Service Road 24

Lat. (dg/min/sec): 33° 57' 28.8" N Long. (dg/min/sec): 11° 50' 11.5" W

GPS: NAD83

Landowner Details (Permission): USFS (yes)

Altitude: 3565 FT

Associated Species: *Juniperus coahuilensis*, *Prosopis velutina*, *Acacia greggii*, *Quercus turbinella*, *Yucca baccata*, *Agave chrysantha*, *Rhus aromatica ssp. trilobata*, *Gutierrezia sp.*, *Eragrostis lehmanniana*

Habitat: Semi-desert Grassland #

Modifying Factors: Burned

Land Form: Hillside

Aspect: All

Land Use: Recreation

Slope: 0°

Geology: Surficial deposits#

Soil: Gray/Brown, Silt, Sand

No. of Plants Sampled and Misc.: 1000 plants sampled

No. of Plants Found: > 5000

Area Sampled: 1A

Seeds Collected From: seed - many individuals, plant

Description: Yellow Flowers. Height: 3"

Common Name(s): california goldfields

Photograph (to be send electronically to SOS National Office) file name: LACA7-AZ930-0196-A, LACA7-AZ930-0196-B, LACA7-AZ930-0196-C

Identification

Johnson, J., In Herbarium, 18, May, 2007

Herbarium Vouchers

Does the pressed specimen have the same reference as the seed collection? Yes No

No. of Herbarium Vouchers: 4-sent to Smithsonian

a. All herbarium duplicates will be sent to Kew to arrange labeling, verification and distribution (default).

b. One duplicate will be sent to \_\_\_\_\_ herbarium for verification, other duplicates will be sent by the collector to Kew to arrange labeling and

Rec 5/24/07  
✓ ck

6/1/07  
Billing purposes

0.047 (manta envelop)

- .017

.030 #

Laca7. SOSAZ. 930-0196-07

# Seed Test/Packaging Record

**SOSAZ-93007-02**

LACA7-SOSAZ-930-0196-07  
 Lasthenia californica  
 California goldfields  
 SNWC .03 P

## PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags	Date/Initials
	1	10/09/07
OSU Sample Taken	# of pounds	AC
	.020	
Sample Sent	(Y) N	

TZ

## Test Results: Both in-house and/or OSU

100 Seed X-ray	<u>65</u>	REMARKS a lot like Oregon Sunshine
Moisture Content		
Seed Count	<u>5,670,000</u>	
GERM	<u>TZ<sup>OSU</sup></u>	Strat Time: NC <u>4C</u> 8C 13C
PURITY	<u>~80</u>	or NOXIOUS WEED only

ENTERED

## 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

<u>~65</u> % Filled
Results from <u>100</u> Seed X-Ray

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

Wt. of Sample: _____ gms	Wt. of All Impurities: _____ gms
Wt of Impurities:	Wt. of Clean Seed _____ gms
• Crops _____ gms	<b>TOTAL (Impurities + Clean Seeds)</b> _____ gms
• Inerts _____ gms	Percent Purity = $\frac{\text{Wt. of clean seeds}}{\text{Wt. of Total}} \times 100 = \underline{\sim 80} \%$
• Weeds _____ gms	
• Noxious _____ gms	

*Flower parts! very difficult to separate from seed. (tufts at end of seeds cling to everything! + flower parts are very light wt.)*

## SEEDS PER POUND

Weight to three decimal places, when possible  
 Wt. of 5 reps of 100 seeds each (in grams).  
.008 .008  
 TOTAL of ALL Reps: \_\_\_\_\_  
 Average: .008

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

Difference between max & Min wt. \_\_\_\_\_ 10% of average \_\_\_\_\_

NOTE: Seeds/Pound =  $\frac{435600}{1000 \text{ seed wt.}}$

To calculate M seed wt, take Total of 5 samples times 2.  
 $2 \times \text{Total of 5 reps} = \underline{.08} = 1000 \text{ seed wt.}$   
 Seeds per Pound = 5,670,000

## FINAL PACKAGING for Seed Storage/Transfer

Bag #	Bag Wt.	Bag #	Bag Wt.
Bag # 1	<u>.009</u>		
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
<b>TOTAL Wt.</b>			<u>.009</u>

ENTERED

Transaction Fee: \_\_\_\_\_

Seedbank Location \_\_\_\_\_

## SEED TRANSFER Log Number

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
10/09/07	0715		226-test	AC
		0745	2270-pkg	AC

ID card file sample  
 Regional Office ID file

POSTED TO: Lot Completion Logbook  Computer NMIS \_\_\_\_\_