BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 16 April 2008)

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

MSB Serial Number:
NRCS PLANTS Code: ERNE8
Cleaning Facility:

Date(s) Collected (DD/MM/YY): 2006 **Seed Collection Reference Number:** CA190-100

Collector(s): Ryan O'Dell

Country: USA **Ecoregion** (T,O, B): **State:** CA County: Lake

Location Details: Barlett springs Road, 1.5 miles east of Indian Reservoir

Lat. (dg/min/sec) (ex: 40° 34' 19.5" N): 39°09'59.17"N GPS Used?: *Yes* *No* If no, please see other side.

Long. (dg/min/sec) (ex: 107° 36' 51.54" W): 122°30'23.88"W GPS Datum: *NAD83* *NAD27* *WGS84* *Other:*

Elevation (feet): 1726 Landowner Details (Permission?): Ukiah BLM Land

HABITAT DATA

Habitat, Associated Species & Ecological Site Descriptor: Serpentine Barrens
Associated spp.: *Quercus durata, Arctostaphylos viscida, Pinus sabiniana, Cupressus macnabiana, Rhododendron occidentale*

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

Land Form: Hillslope Slope°: 45

Land Use: None Aspect: *N* *NE* *E* *SE* *S* *SW* *W* *NW*

Geology: Serpentine

Soil Texture: *Clay* *Silt* *Sand* *Other:* Soil Color: Red

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

Family: Polygonaceae **No. of Plants Sampled** (min. 50): 200

Genus: Eriogonum **No. of Plants Found** (approx.): 400

Species: nervulosum **Area Sampled** (acres): 20

Subspecies/Variety:

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

Plant Habit: *Tree* *Shrub* *Forb* *Succulent* *Grass/Grasslike* Plant Height (feet): 0.25

Native plant materials development and research this accession will be used for: 1 ziplock Rec 9/2/08
0.075#

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

Common Name(s) of Plants: snow mountain buckwheat

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

CPC collection

PRE-COLLECTION CHECKLIST

(Check box to right if condition indicated by **boldface** *is met or is the most frequently occurring condition.)*

Assess Population & Seed Dispersal Stage

Approximate area of population: 20 acres

Approximate total number of individual plants present and accessible: *0-50* ***50-500*** *500-5000* *> 5000*

Evidence of disturbance or damage: *Resown* *Burnt* *Sprayed* ***No damage***

Readiness of population for collecting: give percentages or circle the most frequently occurring:
Vegetative *In flower* *Immature seeds* ***Around natural dispersal*** *Post dispersal*

Estimate the number of individual plants at natural dispersal stage: *<50* ***>50***

Is the population:
A single population *A population with distinct sub-populations* (Can you sample separately or from the most suitable?)

Assess Seed Quality & Availability

On a typical individual, where on the plant/branch/fruit is the seed at natural dispersal stage: **Recognized**

Using a cut test on the seeds at this stage, give percentages or circle the most frequently occurring:
Healthy *Insect-damaged* *Empty* *Moldy* *Malformed/other damage*

Estimate the number of healthy seeds per fruit: 1

Estimate the number of fruits per individual plant: 200

Should Seed Be Collected On This Trip?

Using the above information, if you only collect 20% of the healthy seeds available today, will this result in a collection of **>10,000** healthy seeds?

OTHER DATA

If GPS was not used, please state method of obtaining lat. and long.: *Altimeter* *Map*

Map Publisher: Google Earth

Series: 4.0.2742 Scale:

Map Coordinates: Map Date (DD/MM/YY):

Herbarium voucher specimens:

Number of Pressed Specimens: *2* *3* *4* *or more* **Date Voucher Was Taken (DD/MM/YY):**

Circle one:

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 distribution.*
c. *All Herbarium duplicates will be sent to _____ herbarium that has agreed to arrange labeling, verification and distribution.*
d. *A herbarium voucher has been sent to the National Herbarium at the Smithsonian, and the remaining will be distributed by the _____ collecting team to regional herbaria: _____, _____.*

By default, besides any herbaria mentioned above, one specimen will be sent to Kew and one to the Smithsonian. If you would like to request that additional specimens be sent to regional and/or local herbaria, please fill in the following information:

Regional Herbarium: Local Herbarium:

If collection has been identified by a specialist, please complete sections below:

Material Identified: *In Field* *From Pressed Specimen on Day of Collection* *From Pressed Specimen on Another Date* *From Photograph*

Date identified (DD/MM/YY):

Identified by: Organization:

Seed Test/Packaging Record

SOSCA-19008-02

ERNE8-SOSCA-190-100-CPC-06
Eriogonum nervulosum
Snow Mtn. buckwheat
BLMS .075 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 0	Date/Initials: 1/27/09 AC
OSU Sample Taken	# of pounds: .7g	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray: 99%
Moisture Content: 5.1%
Seed Count: 129,600

REMARKS: ENTERED

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

PURITY 98 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.
						——	69°	23°	5.1

X-Ray Results

99 % Filled

Results from 100 Seed X-Ray

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

Wt. of Sample: _____ gms
Wt of Impurities:
- Crops _____ gms
- Inerts .023 gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: .023 gms
Wt. of Clean Seed 1.180 gms
TOTAL (Impurities + Clean Seeds) 1.203 gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 98 %

SEEDS PER POUND

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

.357 .343 _____
_____ _____

TOTAL of ALL Reps: _____
Average: _____

** 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 = 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 = 3.5 = 1000 seed wt.
Seeds per Pound = 129,600

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	.020	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.020

* No to PPMC (per client)?!

ENTERED

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

ok

DATE	Start	Stop	Process	Initials
1-27-09	0925		226-test	AC
		1000	2270-pkg	AC

✓	ID card file sample
	Regional Office ID file

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____