BLM SEEDS OF SUCCESS FIELD DATA FORM (Revised 25 June 2003)

Please use BLOCK CAPITALS
Please complete all the priority fields labeled in **bold**.
Please circle relevant descriptions shown in *italics*.

MSB Serial Number:
NRCS PLANTS Code: HEMI7

Date Collected (DD/MM/YY): 22/07/09 **Seed Collection Reference Number:** OR930-RC65

Collector(s): Ellen Kuhlmann

Country: USA **Ecoregion:** Puget Trough **State:** WA County: Skagit

Location Details: Deception Pass State Park –Take Exit 230 (Anacortes/Burlington) off Interstate 5 and head west on Highway 20. After 12 miles, cross the bridge to Fidalgo Island, and turn left to go to Whidbey Island. Go six miles, and after passing Pass Lake, turn right on Rosario Road, and then immediately turn left on Bowman Bay Road into the park.

Lat. (dg/min/sec): N 48/24/3.2
Long. (dg/min/sec): W 122/38/51.3
Elevation (feet): 50

GPS Used?: **Yes** *No* If no, please see other side.
GPS Datum: *NAD83* **NAD27** *WGS84* *Other:*
Landowner Details (Permission?): Washington State Parks (yes)

HABITAT DATA

Habitat & Associated Species: Habitat: rock outcrops and rocky slopes
Associated species: common species – *Sedum spathulifolium*, *Polypodium glycyrrhiza*, *Cladina rangiferina*, *Aira caryophyllea* other species – *Hypochaeris radicata*, *Rosa gymnocarpa*, *Stipa* sp., *Mahonia aquifolium*, *Pachistima myrsinites*, *Grindelia integrifolia* var. *macrophylla*, *Rumex acetosella*, *Erythronium oregonum*, *Delphinium* sp., *Rubus ursinus*, *Fragaria virginiana*, *Juncus* sp., *Gaultheria shallon*, *Agoseris* sp., *Selaginella* sp., *Allium cernuum*

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

Land Form: Hill
Slope°: 19-40
Land Use: recreation, wildlife habitat, open space
Aspect: *N* *NE* *E* **SE** *S* *SW* *W* *NW*
Geology:
Soil Texture: *Clay* **Silt** *Sand* *Other* :thin soil, rocky
Soil Color: medium brown

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

Family: Saxifragaceae
Genus: Heuchera
Species: micrantha
Subspecies/Variety:

No. of Plants Sampled: 70
No. of Plants Found (approx.): 500-1000
Area Sampled (acres): 1

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

Plant Habit: *Tree* *Shrub* **Forb** *Succulent* *Grass/Grasslike*

Plant Height (feet): 1.5

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

If not, enter details of collector, reference, where lodged, and date collected: Collected on May 16, 2007 by Ellen Kuhlmann. Sent to Kew Gardens in 2007, specimens are associated with OR930RC29.

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

Common Name(s) of Plants: ~~small-flowered alumroot~~ crevice alumroot

Seed Test/Packaging Record

SOS-OR930-RC65

HEMI7-SOS-OR930-RC65-09
Heuchera micrantha
cevice alumroot
BLMS .072 P

PRE-PACKAGING CHECKLIST

Tag Count Complete	# of Tags: 1	Date/Initials: 5/20/10 LAD
OSU Sample Taken	# of pounds: 0.015g	
Sample Sent	(Y) / N	

Test Results: Both in-house and/or OSU

100 Seed X-ray: 99%
Moisture Content: ~~Too Few~~
Seed Count: ~~9,450,000~~

REMARKS: ENTERED

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

PURITY 96% 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.
							Too few Seed		

X-Ray Results

99 % Filled

Results from 100 Seed X-Ray

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

Wt. of Sample: 0.025 gms

Wt of Impurities:
- Crops ____ gms
- Inerts 0.001 gms
- Weeds ____ gms
- Noxious ____ gms

Wt. of All Impurities: 0.001 gms
Wt. of Clean Seed 0.024 gms
TOTAL (Impurities + Clean Seeds) 0.024 gms

Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 96% %

SEEDS PER POUND

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

0.004 0.005 0.006
0.005 0.004

TOTAL of ALL Reps: 0.024
Average: 0.005

** 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 (453.6 grams = 1 pound)
1000 seed wt.

To calculate M seed wt, take Total of 5 samples times 2.
2 x Total of 5 reps = 0.048 = 1000 seed wt.
Seeds per Pound = 9,450,000

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1	0.003	Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	0.003

ENTERED

Original 0.003#
WRPIS 0.001#
0.002#

SEED TRANSFER Log Number ____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
5/20/10	1315	1430	226-test	LAD
			2270-pkg	

	ID card file sample
5/20/10 LAD	Inventory Card Completed

POSTED TO: Lot Completion Logbook 5/20/10 LAD Computer NMIS____