wnumber	MSB Serial Number	Collection No	Other Coll Series	Collectors	Donor Organisation	Date Collected	Date Donated	Geographical Location	Local Situation	Lat Orientation	Lat Degrees	Lat Mins	Lat Secs
36686	389479	CA330-91		Sander, C. : BLM	Bureau of Land Management (BLM),	5/30/2007	6/14/2007	U.S.A.:California	Ecoregion 14. Humboldt county.	N	40	52	10.8

Long Orientation	Long Degrees	Long Mins	Long Secs	Altitude	Local Environment	Modification Factors	Land Form	Land Use	Geology	Slope	Aspect	Soil Texture	No of Plants Sampled
W	123	42	47.4	1463	Associated with Pinul lambertiana, Pinus jefferii, Calocedrus decurrens,		Mountain.	Recreation/ logging	Serpentine.	15-30		Sandy-clay	50

No of Plants Found	Area Sampled	Plant Form	Plant Height	Sample Notes	Other Site Notes	Order	Family	Genus	Species	Species Authority	Infraspecific Rank	Infraspecific Epithet	Infraspecific Authority
>300	5001-10,000 sq.m.	Tree	1.52-6.1	Collected from plants. Some seeds may	South-southwest aspect. Serpentine red soil.	GYMNOSPERMAE	PINACEAE	Pinus	attenuata	Lemmon			

Herbarium Notes	Where Lodged	Verification Status	Material Verified	Verifier	Verifier Institute	Verification Date	Where Lodged Concatenated	Processing Data_Serial No	Sample Size	1000 Seed Weight	Date Counted	Result	
Tree, 1.52-6.1m	Royal Botanic Gardens, Kew, UK.	Verified by Kew Herbarium	Wild voucher	Heller	Royal Botanic Gardens, Kew, UK.	1/8/2008	Herbarium (HSC), Humbolt State University, USA., United States	389479	50	17.32	5/1/2009	100	

Seed Test/Packaging Record

SOS-CA330-91

PIAL-SOS-CA330-91-07/09
Pinus albicaulis
whitebark pine
BLMS 9.25 P

PRE-PACKAGING CHECKLIST

	# of Tags	Date/Initials
Tag Count Complete	0	5-4-10 AC
OSU Sample Taken	# of pounds	
Sample Sent	(Y)/ N	3g

Test Results: Both in-house and/or OSU

100 Seed X-ray 61 %
Moisture Content 4.7
Seed Count 32,400

REMARKS ENTERED

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

PURITY 97 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.
						—	—	21.4	4.7

X-Ray Results

61 % 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 _____ gms
- Weeds _____ gms
- Noxious _____ gms

Wt. of All Impurities: _____ gms
Wt. of Clean Seed _____ gms
TOTAL (Impurities + Clean Seeds) _____ gms
Percent Purity = (Wt. of clean seeds) / (Wt. of Total) X 100 = 97 %

empty casings

SEEDS PER POUND

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

1.538 1.261 _____
_____ _____

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 (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 = 14.0 = 1000 seed wt.
Seeds per Pound = 32,400

FINAL PACKAGING for Seed Storage/Transfer

	Bag Wt.		Bag Wt.
Bag # 1		Bag #	
Bag # 2			
Bag # 3			
Bag # 4			
Bag # 5		Last Bag	
		TOTAL Wt.	.048

ENTERED

begbal .048
WRPIS ALL ~920 pls
New bal 0

SEED TRANSFER Log Number _____

Date	Wt. Shipped	Ship via	Purpose Remarks

DATE	Start	Stop	Process	Initials
5-4-10	1350		226-test	AC
		1425	2270-pkg	AC

	ID card file sample
	Inventory Card Completed

POSTED TO: Lot Completion Logbook ✓ Computer NMIS_____