

PLANT NAMES AND SYMBOLS  
(Harvey Valley Allotment)

FORAGE SPECIES

<u>Scientific Name</u>	<u>Common name</u>	<u>Symbols Used</u>
<i>Achillea millefolium</i>	Common yarrow	<u>ACm</u>
<i>Agropyron cristatum</i>	Crested wheatgrass	<u>Acr</u>
<i>Agropyron intermedium</i>		<u>AI</u>
<i>Agrostis hiemalis</i>	Winter redtop	<u>AGh</u>
<i>Agrostis</i> spp.	Redtop or bent grass	<u>AG spp.</u>
<i>Antirrhinum</i> spp.	Snapdragon	<u>ANT spp.</u>
<i>Aster canescens</i>		<u>ASTc</u>
<i>Aster</i> spp.	Aster	<u>ASTspp.</u>
<i>Bromus inermis</i>	Smooth brome	<u>Bi</u>
<i>Bromus tectorum</i>	Cheatgrass (downy chess, downy brome, junegrass)	<u>BT</u>
<i>Carex acuta</i>	Shorthair sedge	<u>Cex</u>
<i>Carex nebraskensis</i>	Nebraska sedge (coarse sedge)	<u>Cnb</u>
<i>Carex rossii</i>	Ross sedge	<u>Cr</u>
<i>Carex</i> spp.	Sedges	<u>Cspp</u>
<i>Carex</i> spp.	Sedges	<u>CAs (Cspp)</u>
<i>Danthonia americana</i>	California oatgrass	<u>Da</u>
<i>Danthonia</i> spp.	Oat grass	<u>Daspp.</u>
<i>Eleocharis palustris</i>	Common spike-rush wiregrass	<u>ELp</u>
<i>Eleocharis</i> spp.	Spike rush	<u>ELspp</u>
<i>Elymus condensatus</i>	Giant wild rye	<u>Ec</u>
<i>Erigeron bloomeri</i>		<u>ERGb</u>
<i>Eriogonum</i> spp.		<u>EGspp</u>
<i>Eriogonum umbellatum</i>	Sulphur Eriogonum	<u>EGu</u>
<i>Eriophyllum lanatum</i>		<u>EYL</u>
<i>Festuca idahoensis</i>	Idaho fescue	<u>Fi</u>
<i>Fimbristylis</i>	Pull-up sedge	<u>FI spp (FIM)</u>
<i>Hordeum nodosum</i>	Meadow barley	<u>Hn</u>
<i>Juncus balticus</i>	Coarse rush	<u>Jb</u>
<i>Juncus</i> spp.	Rushes	<u>Jspp</u>
<i>Koeleria cristata</i>	Junegrass	<u>Kc</u>
<i>Linum lewisii</i>	Blue flax	<u>LNI</u>
<i>Lupinus</i> spp.	Lupine	<u>Lspp</u>
<i>Muhlenbergia</i> spp.	Muhly grass	<u>MAspp</u>
<i>Muhlenbergia squarrosa</i>	Mat muhly	<u>MUs</u>

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FORAGE SPECIES CONTINUED

<u>Scientific Name</u>	<u>Common Name</u>	<u>Symbols Used</u>
Pentstemon spp.	Pentstemon Aster (Pink composite)	PEspp P
Poa compressa	Canada bluegrass	<u>Pom</u>
Poa nevadensis	Nevada bluegrass	<u>Pn</u>
Poa sandbergii	Sandberg bluegrass	<u>Ps</u>
Purshia tridentata	Bitterbrush	PT
Sitanion hystrix	Squirrel-tail	<u>SIh</u>
Stipa elmeri		<u>Se</u>
Stipa occidentalis	Western needlegrass	<u>So</u>
Stipa spp.	Needlegrass (porcupine- speargrass)	<u>Sapp</u>
Stipa thurberiana		<u>St (Sth)</u>
Trifolium macrocephalum	Bighead clover	Tma
Trifolium spp.	Clover	Tspp (TR)
Wyethia mollis	Woolly mule-ears	Wm

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NON-FORAGE SPECIES

<u>Scientific Name</u>	<u>Common Name</u>	<u>Symbols Used</u>
Agoseris spp.	Fringy composite (Dandelion)	F
Agoseris spp.	Mountain dandelion	AGspp
Antennaria argentea		ANar
Antennaria dimorpha		ANd
Antennaria spp.	Pussytoes	ANspp
Arctostaphylos patula	Greenleaf manzanita	Ap
Artemisia arbuscula	Black and hardpan sage	ARa
Artemisia cana	Silver sage	ARcn (ARo)
Artemisia tridentata	Big sage	ARt
Camassia quamash	Blue camas	CAMq
Cardamine spp.	Bitter cress	CARSpp
Carum gairdneri	Yampa	CRMg
Ceanothus prostratus	Squaw carpet	Cp
Chrysothamnus bloomeri	Bloomer rabbitbrush	CHYb (CRYb)
Chrysothamnus spp.	Rabbitbrush	CRY (CHY)
Cirsium acaulescens	Thistle	CIa
Cogswellia spp.	Biscuit root	COGspp
Hemizonia spp.	Tar weed	HMspp
Leptodactylon pungens		LEDp
Leucoserimum spp.	Lily-grass	LCCspp
Lomatium spp.	Hog-fennel	LOMspp
Phlox spp.	Phlox	PHXspp
Ranunculus alismaefolius	Buttercup	RA <sub>spp</sub> (RAN <sub>a</sub> , RA <sub>a</sub> )
Ranunculus spp.	Buttercup	RA <sub>spp</sub> (RAN)
Silene spp.	Catchfly, campion	SIspp
Viola purpurea	Violet	Vp

COMMON AND BOTANICAL NAMES OF SPECIES MENTIONED

GRASSES

✓ Brome, mountain	Bromus marginatus
✓ Brome, cheatgrass	Bromus tectorum
✓ Danthonia, hairy Californica	Danthonia californica var. americana
? Hairgrass, tufted	Deschampsia caespitosa (Aira)
✓ Fescue, Idaho	Festuca idahoensis
✓ Junegrass	Koeleria, cristata
✓ Muhly, mat	Muhlenbergia squarrosa
✓ Bluegrass, Nevada	Poa nevadensis
✓ Bluegrass, Kentucky	Poa pratensis
✓ Bluegrass, Sandberg	Poa secunda - sandbergii
✓ Squirreltail	Sitanion hystrix
? Needlegrass, Elmer	Stipa elmeri
? Needlegrass, Lemmon	Stipa lemmoni
✓ Needlegrass, Western	Stipa occidentalis

GRASSLIKE PLANTS

✓ Sedge, shorthair	Carex exerta ( <del>filiformis, filifolia</del> )
✓ Sedge, Nebraska	Carex nebraskensis
✓ Sedge, Ross	Carex rossii
? Sedge, beaked	Carex rostrata
? Sedge, common spike	Eleocharis palustris
✓ Rush, baltic	Juncus balticus

FORBS

✓ Yarrow, common	Achillea millefolium
✓ Pussytoes spp.	Antennaria argentea
? Aster spp.	Aster shastensis
? Loco, pursh	Astragalus purshi
✓ Balsamroot, arrowleaf	Balsamorhiza sagittata
✓ Camas, common	Camassia quamash
✓ Biscuitroot	Cogswellia spp.
? Littleflower, collinsia	Collinsia parviflora
✓ Hawksbeard, tapertip	Crepis acuminata
> Daisy, wild	Erigeron, nevadensis
✓ Eriogonum, barestem	Eriogonum nudum
? Groundsmoke spp.	Gayophytum spp.
? Waterlead, ballhead	Hydrophyllum capitatum
✓ Lupine, looseflower	Lupinus <del>laxiflorus</del>
? Monardella, Pacific	Monardella odoratissima
? Phacelia, varileaf	Phacelia heterophylla
> Phlox, slender	Phlox gracilis
? Bistort, American	Polygonum bistortoides
? Cinquefoil	Potentilla gracilis
✓ Buttercup, plantainleaf	Ranunculus alismaefolius
✓ Buttercup, Western	Ranunculus occidentalis
? Groundsel, water	Senecio hydrophilus
✓ Groundsel, lambstongue	Senecio integerrimus
? Checkermallow spp.	Sidalcea spp.
✓ Clover, longstalk	Trifolium longipes
? Violet, Nuttall	Viola nuttalli
✓ Mules-ear <sup>s</sup> , woolly	Wyethia mollis

? *Handwritten notes and scribbles at the bottom of the page, including what appears to be "Lupinus" and "Sidalcea".*

SHRUBS

- ✓ Manzanita, greenleaf
- ✓ Sagebrush, silver
- ✓ Sagebrush, big
- ✓ Ceanothus, squawcarpet
- ✓ Mahogany, mountain curleaf
- ✓ Rabbitbrush
- ✓ Snowberry, roundleaf
- ✓ *Chrysothamnus*
- ✓ Sagebrush, black

Arctostaphylos patula

Artemisia cana

Artemisia tridentata

Ceanothus prostratus

Cercocarpus ledifolius

~~Aplopappus~~

*Chrysothamnus*  
Symphoricarpos rotundifolius

*Cercocarpus*

Artemisia arbuscula

TREES

- ✓ Fir, white
- ✓ Juniper, Sierra
- ✓ Pine, Jeffrey
- ✓ Pine, ponderosa

Abies concolor

Juniperus occidentalis

Pinus jeffreyi

Pinus ponderosa

HARVEY VALLEY RANGE SURVEY - 1948

Symbol

(1) RANGE AREAS

<u>Code No.</u> <sup>1/</sup>	<u>Classification</u>
Numbers 1 to 283, inc.	- - -

*These are  
The symbols used  
in the master survey  
shown on the map*

(2) VEGETATIVE TYPE

<u>Code No.</u>	<u>Classification</u>	
01	Grassland	Carex exserta 1a
02	"	Bunchgrass 1b
03	Meadow	Pine 2a
04	"	Medium 2b
05	"	Coarse 2c
06	Sagebrush	A. tridentata 4a
07	"	A. arbuscula 4b
08	"	A. cana 4c
09	Conifer	Pine 6a
10	"	Pine, out-over 6a(o)
11	"	Pine fir 6b
12	"	Pine fir, out-over 6b(o)
13	"	Fir 6c
14	"	Fir, out-over 6c(o)
15	Waste	Conifer 7(6a,b,c)
16	"	Brush 7(5)
17	Barren	Bare rock 8

(3) SOIL TYPE

<u>Code No.</u>	<u>Classification</u>	
1	Pit	x x x 1
2	Antelope	x x 2
3	Meadow	x x x 3
4	Mdoo	x x x 4
5	Bieber	x x x x 5
6	Hornay	x x 6
7	Blacks	x x 7
8	Patterson	x 8
9	Scabland (Bare rock)	9

*Note! Ignore the  
hand written material below*

*Loom, G/loam Clay SCL SL*

*5 clay*

*v.s. loam*

(4) ROCK

<u>Code No.</u>	<u>Classification</u>	
1	Plow or disk	P
2	Rocky	R

<sup>1/</sup> Punch card code number.

(5) SLOPE Symbol

<u>Code No.</u>	<u>Classification</u>	
1	0-3%	3
2	4-9	9
3	1-9	9
4	10-20	20
5	20+	20+

(6) RANGE CONDITION

<u>Code No.</u>	<u>Classification</u>	
1	Excellent	E
2	Good	G
3	Fair	F
4	Poor	P

(7) EROSION

A. Depth (inches)

<u>Code No.</u>	<u>Classification</u>	
1	0	0
2	1	1
3	2	2
4	3	3
5	4	4

B. Extent (%)

<u>Code No.</u>	<u>Classification</u>	
1	0	0
2	1-20	10
3	21-40	30
4	41-60	50
5	61-80	70
6	81-100	90

(8) GRAZING CAPACITY (Acres per animal-unit month)

<u>Code No.</u>	<u>Classification</u>
--	Present
--	Present + Management
--	Present + Management + Re seeding
--	Present + Management + Re seeding + Logging



(9) USABLE RANGE (% 0 to 100)

<u>Code No.</u>	<u>Classification</u>
- -	Present
- -	Present + Management
- -	Present + Management + Logging

(10) UTILIZATION

<u>Code No.</u>	<u>Classification</u>		
1	None	0 %	N
2	Light	1-24	L
3	Moderate	25-49	M
4	Heavy	50-74	H
5	Very heavy	75-100	VH

(11) ACRES (Not greater than 1000 for any single area) 999

Total acreage surveyed 32,351

Form of Symbols

A 51 = Area number  
(292) = (Acreage)

B  $\frac{1a-2-R-9-E \quad 1}{30}$   
 $\frac{0.5, 0.4, 0.3, 0.3}{100, 100, 100}$  M

Positions in symbol B

$\frac{1-2-3-4-5 \quad 6}{7}$   
 $\frac{8 \quad 9 \quad 10 \quad 11}{12 \quad 13 \quad 14} \quad 15$

- 1 = Vegetative type
- 2 = Soil type
- 3 = Rock
- 4 = Slope
- 5 = Range Condition
- 6 = Erosion depth
- 7 = Erosion extent
- 8 = Grazing capacity present
- 9 = Grazing capacity present + management
- 10 = Grazing capacity present + management + reseeding
- 11 = Grazing capacity present + management + reseeding + logging
- 12 = Usable range present
- 13 = Usable range present + management
- 14 = Usable range present + management + logging
- 15 = Utilization