

Veratrum Removal Plot #2 - 2005	last updated 6/11/08 dwi						snowing			
	5/21/05	5/22/05	5/24/05	5/26/05	5/28/05	5/30/05	6/1/05	6/3/05	6/5/05	6/7/05
<i>Claytonia lanceolata</i>	15% bare		9	32	99	36	34	26	50	7
<i>Taraxacum officinale</i>		snow gone	9	25	69	29	29	23	38	7
<i>Geranium richardsonii</i>										
<i>Bromelica (Melica) spectabilis</i>										
<i>Delphinium barbeyi</i>										
<i>Mertensia ciliata</i>										
<i>Potentilla pulcherrima X hippiana</i>										
<i>Heracleum lanatum</i>										
<i>Dugaldia (Helenium) hoopsii</i>										
<i>Elymus (Agropyron) trachycaulus - wild rye</i>										
<i>Poa pratensis</i>										
<i>Pyrocoma (Haplopappus) crocea</i>										
<i>Cirsium - yellow; outside plot</i>										
<i>Helianthella quinquenervis</i>										
<i>Aster foliaceus</i>										
Total Flowers	0	0	9	32	99	36	34	26	50	7
Total flowers without grasses	0	0	9	32	99	36	34	26	50	7
# species flowering	0	0	1	1	1	1	1	1	1	1
# species flowering without grasses	0	0	1	1	1	1	1	1	1	1

Notes: Krehe and Kathy Ritter made counts until 1 June; 1% winter gopher dumps; 2 cowpies; *Frasera* plant has 20 leave

This 2x2-m plot is located in the meadow between County Road 317 and the East River, west of South Gothic. GPS coord

		without grasses
Total number of species flowering =	14	11
Maximum # of flowers on one day =	544	531
Maximum # of species in flower =	8	7
Maximum H' =	.	

Veratrum Removal plot #2

Point #	Plot name	Corner (com	Altitude (feet)	Altitude (meters)	Latitude	Longitude
177	<i>Veratrum</i> R	Southwest	9400.339	2865.22	38.954502	106.98845
178	<i>Veratrum</i> R	Northwest	9400.301	2865.21	38.95452	106.98845
179	<i>Veratrum</i> R	Northeast	9399.891	2865.09	38.95452	106.98843
180	<i>Veratrum</i> R	Southeast	9400.583	2865.3	38.954502	106.98843

frost		6/9/05	6/11/05	6/13/05	6/15/05	6/17/05	6/19/05	6/21/05	6/23/05	6/25/05	6/27/05	6/29/05	7/1/05	7/3/05
		13	3	1	2									
		13	3	1	2									
					1		2	3	3	2		1	1	
					1		2	3	3	2		1	1	
														1
														1

Hydrophyllum fendleri flowering nearby

flowering nearby along roadside

13	3	1	3	0	2	3	3	2	0	1	1	1
13	3	1	3	0	2	3	3	2	0	1	1	1
1	1	1	2	0	1	1	1	1	0	1	1	1
1	1	1	2	0	1	1	1	1	0	1	1	1

s; Emily Morris did counts on 21 and 23 August, and Rebecca Hewitt remaining counts

inates below. See metadata file at www.rnbl.org for Inouye phenology project for additional details

7/6/05 7/8/05 7/10/05 7/12/05 7/14/05 7/17/05 7/19/05 7/21/05 7/23/05 7/25/05 7/27/05 7/29/05 7/31/05

Veratrum started flowering between this plot and VR1 - 1 stalk

1	1	1	1		2	1		1	2	2	1	
1	1	1	1		1	1		1	2	1	1	
	35	41	32									
	11	58	147	327	452	526	433	409	288	250	167	71
	1	4	7	16	31	37	35	39	32	30	24	14
		1										
		1										
		2	2	4		2		3	6	1	2	3
		2	2	3		2		3	5	1	2	3
		1	1	1	1	1	1	1	1	1	1	1
		1	1	1	1	1	1	1	1	1	1	1
						1	2	2	2	1	2	
						1	1	1	1	1	1	
						5	1	6				
						2	1					
						8	16	27	30	7		
									1	1	3	2
									1	1	2	2
									1	X	4	2
									1		1	1
1	47	104	183	332	455	544	453	449	331	263	180	79
1	12	63	151	332	455	531	436	416	301	256	180	79
1	3	6	5	3	3	7	5	7	8	7	7	5
1	2	5	4	3	3	5	3	5	7	6	7	5

some *Heracleum* already eaten down to veins by grasshoppers

Patty and Emily did counts through 8/15
 8/2/05 8/5/05 8/7/05 8/9/05 8/11/05 8/13/05 8/15/05 8/17/05 8/19/05 8/21/05 Emily did counts 8/23-25 8/23/05 8/25/05 8/27/05

3 1 1 2 1 1

34 16 22 11 6 2
 5 2 4 2 1 1

4 1
 2 1

1
 1

assumed total of 30 stalks in plot

8 5 5 7 8 6 5 5 4 1 1
 5
 1 2 2 2 2 1 1 1 1 some flowers were eaten by grasshoppers
 1 1 1 1 1 1 1 1 1

1 frosted stalk, 1 stalk eaten (by grasshoppers)

2 4 14 27 26 32 37 44 38
 22 20 26 22 22 26

44 30 30 21 21 13 21 34 31 33 38 44 38

44 30 30 21 21 13 21 34 31 33 38 44 38

4 5 4 4 6 4 4 4 3 2 2 1 1

4 5 4 4 6 4 4 4 3 2 2 1 1

	8/29/05	8/31/05	9/4/05	9/6/05	Length of flowering	Maximum number	
					23	99	flowers 69 genets
					17	3	capitula 3 genets
					46	3	flowers 2 genets
					5	41	inflorescences
					37	526	flowers 39 genets
					2	1	flowers 1 genets
					33	6	flowers 5 clusters of flowers
					22	1	inflorescences 1 genets
					15	2	capitula 1 genets
					5	6	inflorescences 2 clumps(genets)
					9	30	inflorescences
					30	8	capitula 5 genets
oppers					26	4	capitula 1 genets
							<i>Helianthella quinquenervis</i>
	25	12	2	2	27	44	capitula 26 genets
	18	9	1	1			
	25	12	2	2			
	25	12	2	2			
	1	1	1	1			
	1	1	1	1			