

Veratrum Removal Plot #2 - 2006

last updated 6/23/08 dwi

	5/2/2006	5/4/2006	5/6/2006	5/8/2006	5/10/2006	5/12/2006
<i>Claytonia lanceolata</i>	70% bare	snow gone	8	19	30	65
<i>Taraxacum officinale</i>			6	14	23	51

Bromelica (Melica) spectabilis

Geranium richardsonii

Potentilla pulcherrima x *P. hippiana*

Delphinium barbeyi

Heracleum lanatum

Ceratochloa (Bromus) carinata

smooth, flat

Elymus (Agropyron) trachycaulus - slender wheatgrass

Poa pratensis

Pyrocoma (Haplopappus) crocea

Tragopogon dubius

Cirsium - short, white flowers

Aster foliaceus

Total Flowers	0	0	8	19	30	65
Total without grasses	0	0	8	19	30	65
# species flowering	0	0	1	1	1	1
Total without grasses	0	0	1	1	1	1

Notes: Krehe and Kathy Ritter made counts until 1 June; no winter g

This 2x2-m plot is located in the meadow between County Road 317

permanent snow cover began about 12 November 2006, based on te snowmelt date based on temperature and light data from Hobo Pend

Total number of species flowering =	13	without gra
Maximum # of flowers on one day =	119	
Maximum # of species in flower =	6	

Maximum H' = .

Veratrum Removal plot #2

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

5/14/2006	5/16/2006	5/18/2006	5/20/2006	5/22/2006	5/24/2006	5/26/2006	5/28/2006	5/30/2006
114	119	78	50	32	4	14	3	
82	88	67	47	32	4	13	3	

2
1

114	119	78	50	32	4	14	3	2
114	119	78	50	32	4	14	3	2
1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1

opher dumps; 1 cowpie; Fräsera plant has 22 leaves; Patty Coffin did counts 6-12, 16-20 August; Elizab

and the East River, west of South Gothic. GPS coordinates below. See metadata file at www.rmb1.org

emperature and light data from Hobo Pendant data logger
ant data logger = 20 April 2007

sses
9
119
5



Longitude
106.98845
106.98845
106.98843
106.98843

6/1/2006 6/3/2006 6/5/2006 6/7/2006 6/9/2006 6/11/2006 6/13/2006 6/15/2006 6/17/2006

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

some frost damage to leaves

leaves being eaten - probably grass

3	5	1	1	1	1	0	0	0
3	5	1	1	1	1	0	0	0
1	1	1	1	1	1	0	0	0
1	1	1	1	1	1	0	0	0

eth Ziegler did counts 14, 22-24 August and from 28 August to end

for Inouye phenology project for additional details

6/19/2006 6/21/2006 6/23/2006 6/25/2006 6/27/2006 6/29/2006 7/1/2006 7/3/2006 7/5/2006

	1		1					
	1		1					
		total of 33 stalks in plot						
3	19	29	14					
	1							
	1							
	1	1	4		2	2	2	3
	1	1	2		2	2	1	2
			5	35	42	49	63	100
			1	3	3	7	12	14
sshoppers again								1
								1

3	22	30	24	35	44	51	65	105
0	3	1	10	35	44	51	65	104
1	4	2	4	1	2	2	2	4
0	3	1	3	1	2	2	2	3

7/7/2006 7/9/2006 7/11/2006 7/13/2006 7/15/2006 7/17/2006 7/19/2006 7/21/2006 7/23/2006

	1	1			1	1	1	
	1	1			1	1	1	
	7	3	2	4	2	1	3	5
	4	3	2	3	2	1	2	2
112	92	45	20	18	17	15	about 50% of infloresc	
14	9	9	5	3	3	3		
1	1	1	1	1	1	1	1	1

total of 30 stalks in plot
 16 stalks done
 2
 3
 3 9

2 done
 total of 30 stalks in plot
 total of 37 stalks in plot

1	3	5	7	12
1	1	1	1	2
			1 done	
			1 bud	

113	106	62	23	24	24	23	12	18
113	101	50	23	24	24	23	12	18
2	6	6	3	4	5	5	4	3
2	4	4	3	4	5	5	4	3

7/25/2006 7/27/2006 7/29/2006 7/31/2006 8/2/2006 8/4/2006 8/6/2006 8/8/2006 8/10/2006

Chamerion danielsii (fireweed) and Sidalcea candida flowering along road nearby

2
2
ences were killed by frost

moderate amount of herbivory this year (not so many grasshoppers) compared to
good fruit set

9	6	1							
3	2	1							
	3 done								
				1	1	1	4	4	
					3	3	17	17	
							5	5	
9	8	1	0	1	4	4	21	21	
9	8	1	0	1	4	4	21	21	
1	2	1	0	1	2	2	2	2	
1	2	1	0	1	2	2	2	2	

white bloom on the leaves

8/12/2006 8/14/2006 8/16/2006 8/20/2006 8/22/2006 8/24/2006 8/26/2006 8/28/2006 8/30/2006

o heavy herbivory in past few years

						bud		2	1
								1	1
1	1	1	1						
9	13	12	4	4	1				
6	4	4	4	4	1				
10	14	13	5	4	1	0	2		1
10	14	13	5	4	1	0	2		1
2	2	2	2	1	1	0	1		1
2	2	2	2	1	1	0	1		1

9/20/2006

Length of flowering		maximum number of fl	maximum r
23	<i>Claytonia lanceolata</i>	119	88
27	<i>Taraxacum officinale</i>	5	4
	<i>Bromelica (Melica) spectabilis</i>		
7		29	
31	<i>Geranium richardsonii</i>	1	1
37	<i>Potentilla pulcherrima</i> x <i>P. hippiar.</i>	7	4
25	<i>Delphinium barbeyi</i>	112	14
	<i>Heracleum lanatum</i>		
19		1	
	<i>Ceratochloa (Bromus) carinata</i>		
2+	smooth, flat	1	
	<i>Elymus (Agropyron) trachycaulus</i> - slender wheatgrass		
		3	
3	<i>Poa pratensis</i>		
		9	
15	<i>Pyrrocoma (Haplopappus) crocea</i>	12	3
3+	<i>Tragopogon dubius</i>	2	1
19	<i>Cirsium</i> - short, white flowers	4	
21	<i>Aster foliaceus</i>	17	6

0

0

0

0

owers
umber of stalks or plants
flowers
genets
capitulae
genets

inflorescences

flowers
inflorescences
flowers
clusters of flowers
flowers
inflorescences

umbels (inflorescences)

inflorescences

inflorescences

inflorescences

capitulae
inflorescences
capitulae
inflorescences
capitulae

capitulae
inflorescences