

Wet Meadow Plot #5 - 2006

last updated 6/23/08 dwi

5/4/2006 5/6/2006 5/8/2006 5/10/2006 5/12/2006 5/18/2006

Mertensia fusiformis

11 inches c 5% bare 10% bare 80% bare snow gone
8 inches

Viola praemorsa

Ranunculus inamoenus

Androsace septentrionalis

Taraxacum officinale

Lathyrus leucanthus

Carex spp

Lupinus prunophyllus

Bromelica (Melica) spectabilis

Potentilla pulcherrima x *P. hippiana*

Linum lewisii

Erysimum asperum

Ligusticum porteri

Collomia linearis

Poa pratensis

Elymus (Agropyron) trachycaulus - wild rye

Dugaldia (Helenium) hoopsii

Ceratochloa (Bromus) carinatus

Polygonum douglasii

Achillea millefolium

Achnatherum (Stipa) lettermanii - needlegrass (long awns)

Erigeron speciosus

Delphinium barbeyi

Chenopodium album

Campanula rotundifolia

Total Flowers	0	0	0	0	0	0
Total without grasses	0	0	0	0	0	0
# species flowering	0	0	0	0	0	0
Total without grasses	0	0	0	0	0	0

Notes: Krehe and Kathy Ritter made counts until 1 June; 1% 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 =	24	without gra
Maximum # of flowers on one day =	156	
Maximum # of species in flower =	8	
Maximum H' = .		

Wet Meadow plot #5

Point #	Plot name	Corner (con	Altitude (feet)	Altitude (meters)	Latitude
157	Wet Meado	Northeast	9403.276	2866.12	38.955404
158	Wet Meado	Southeast	9403.001	2866.03	38.955388
159	Wet Meado	Southwest	9402.786	2865.97	38.955381
160	Wet Meado	Northwest	9402.538	2865.89	38.955396

1	23	45	87	156	128	74	55	23
1	23	45	87	156	128	74	55	23
1	1	1	3	4	3	4	4	4
1	1	1	3	4	3	4	4	4

opher dump; Patty Coffin did counts 6-12, 16-20 August; Elizabeth Ziegler did counts 14, 22-24 August ;

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

Temperature and light data from Hobo Pendant data logger
 Antenna data logger = 28 April 2007

sses
19
156
7

Longitude
106.98913
106.98912
106.98914
106.98915

6/7/2006 6/9/2006 6/11/2006 6/13/2006 6/15/2006 6/17/2006 6/19/2006 6/21/2006 6/23/2006

5 1
4 1

1 1 1 3 2 nothing flowering

1 1 1 3 2

3 2 2 1 1

1 1 1 1 1

1 1
1 1

2 6 3
2 4 3

male anthers done one these 3

female 3

17 inflorescences frost-killed

2 aborted (frosted?) inf

1 8
1 3

total of 31 s

3 11

1
1
1
1
4
1

9	4	3	5	8	0	2	10	28
9	4	3	5	8	0	2	7	17
3	3	2	3	5	0	1	3	6
3	3	2	3	5	0	1	2	5

and from 28 August to end

for Inouye phenology project for additional details.

6/25/2006 6/27/2006 6/29/2006 7/1/2006 7/3/2006 7/5/2006 7/7/2006 7/9/2006 7/11/2006

	5	5	4	6	2	1	2	3	2
	3	3	2	5	2	1	2	2	1
inflorescences	7	11	16	15	5	X	7	6	4
	3	3	5	5	3		1	1	1
stalks in plot	8		3						
		1	1	4	5	3	2	4	1
		1	1	4	3	3	2	3	1
	1	13	5	4	5	3	2	4	12
	1	5	4	4	3	3	2	3	4
	5	5	6	9	6	4	2		
	2	2	2	2	2	2	1		
		3 have some frost damage			stalks quite short this year				
	1	3	7	7	8	8	8	3	
			3	6		5	26 closed		45
			3	6		5	25 rain		43
						total of 18 stalks in plot, plus some aborted			
						2	9	6	5
								2 stalks do	

26	35	38	44	23	18	50	23	69
18	35	35	44	23	16	41	17	64
6	6	8	7	6	8	8	6	6
5	6	7	7	6	7	7	5	5

7/13/2006 7/15/2006 7/17/2006 7/19/2006 7/21/2006 7/23/2006 7/25/2006 7/27/2006 7/29/2006

						1	1		
						1	1		
2		2	1						
1		1	1						
3	1								
1	1								
7	6	9	3	6	10	7	7		
6	4	8	2	3	7	4	4		
17	16	10	6	8	40	10	37		
7	4	3	3	4	6	6	6		
25	43	10	66	38	84	45	78	51	
25	41	9	62	31	63	37	59	40	

ne

total of 1*2+4 inflorescences in plot

1	2	2	2	3	3	3	3	1	
1	1	1	1	1	1	1	1	1	
2 stalks done (missed flowering)									
total of 31 stalks in plot									
		1			1	2	2	1	
		1			1	1	2	1	
							1	2	

plant present, but inflorescences were killed by frost

55	68	34	78	55	138	68	129	55
55	68	34	78	55	138	68	129	55
6	5	6	5	4	5	6	7	4
6	5	6	5	4	5	6	7	4

7/31/2006 8/2/2006 8/4/2006 8/6/2006 8/8/2006 8/10/2006 8/12/2006 8/14/2006 8/16/2006

1 1 1
1 1 1

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

38 34 13 20 1 13 8
30 24 11 12 1 10 6

1 1 2 6 6 11 7
1 1 2 6 5 9 6
2 3 3 3 3 3 3 3

1
7 1 1
4 1 1
1 1 1
1 1 1

				1	1			
45	44	23	16	29	7	11	30	19
45	43	23	16	29	7	11	30	19
4	5	5	3	7	5	4	6	4
4	4	5	3	7	5	4	6	4

8/20/2006 8/22/2006 8/24/2006 8/26/2006 8/28/2006 8/30/2006 9/1/2006 9/3/2006 9/5/2006

1
1

8 8 9 raining 8 4 9 2 1
4 8 7 6 3 5 2 1

9 12 18 4 7 6 5 1
8 10 17 3 7 5 4 1
3 3 3 3 3 2 2 2

2 1 1 1 1 2 1 1
1 1 1 bud

2	1				1		1	1
23	25	31	7	18	13	18	6	2
23	25	31	7	18	13	18	6	2
5	5	4	2	3	4	4	4	2
5	5	4	2	3	4	4	4	2

9/7/2006 9/9/2006 9/11/2006 9/14/2006 9/16/2006 9/18/2006 9/20/2006

Length of fl

21

11

21

19

13

35

2+

25

9

47

59

15

15

4

3

75

4

3

7

missed

17

missed

57

1

1

1

1

39

2

5

frosted

17

29

4	1	4	0	0	0	0
4	1	4	0	0	0	0
1	1	2	0	0	0	0
1	1	2	0	0	0	0

flowering	maximum number of flowers	maximum number of stalks or plants
second flowering		
<i>Mertensia fusiformis</i>	85	flowers 9 genets
<i>Viola praemorsa</i>	70	flowers 20 genets
5 <i>Ranunculus inamoenus</i>	3	flowers 3 inflorescences
3 <i>Androsace septentrionalis</i>	5	flowers 1 genets
<i>Taraxacum officinale</i>	1	capitulae 1 genets
<i>Lathyrus leucanthus</i>	6	flowers 5 clusters of flowers
<i>Carex spp</i>		
	3	inflorescences
<i>Lupinus prunophyllus</i>	16	flowers 5 inflorescences
<i>Bromelica (Melica) spectabilis</i>	11	inflorescences
<i>Potentilla pulcherrima x P. hippiana</i>	10	flowers 8 inflorescences
<i>Linum lewisii</i>	40	flowers 7 inflorescences
<i>Erysimum asperum</i>	9	flowers 2 inflorescences
<i>Ligusticum porteri</i>		
	8	inflorescences
<i>Collomia linearis</i>	84	flowers 63 genets
<i>Poa pratensis</i>		
	9	inflorescences
<i>Elymus (Agropyron) trachycaulus</i> - wild rye		
<i>Dugaldia (Helenium) hoopsii</i>	3	capitulae 1 inflorescences
<i>Ceratochloa (Bromus) carinatus</i>		
<i>Polygonum douglasii</i>	18	flowers 17 genets
<i>Achillea millefolium</i>	3	inflorescences
<i>Achnatherum (Stipa) lettermanii</i> - needlegrass (long awns)	1	inflorescences
<i>Erigeron speciosus</i>	7	capitulae 4 patches
<i>Delphinium barbeyi</i>		
<i>Chenopodium album</i>	1	flowers
<i>Campanula rotundifolia</i>	2	1 genets flowers

2 genets