

Wet Meadow Plot #4 - 2006	last updated 6/23/08 dwi					
	5/4/2006	5/6/2006	5/8/2006	5/10/2006	5/18/2006	5/20/2006
<i>Mertensia fusiformis</i>	11 inches of snow		85% bare	snow gone		1
<i>Viola praemorsa</i>		30% bare				1
<i>Androsace septentrionalis</i>						
<i>Ranunculus inamoenus</i>						
<i>Carex</i>						
<i>Potentilla pulcherrima</i> x <i>P. hippiana</i>						
<i>Lathyrus leucanthus</i>						
<i>Lupinus amplus</i>						
<i>Bromelica (Melica) spectabilis</i>						
<i>Collomia linearis</i>						
<i>Poa pratensis</i>						
<i>Elymus (Agropyron) trachycaulus</i> - wild rye						
<i>Ceratochloa (Bromus) carinata</i> smooth brome, flattened heads						
<i>Dugaldia (Helenium) hoopsii</i>						
<i>Chenopodium album</i>						
<i>Achnatherum (Stipa) lettermanii</i> - needlegrass (long awns)						
<i>Festuca thurberi</i>						
<i>Polygonum douglasii</i>						
<i>Artemisia dracunculus</i>						
<i>Polygonum aviculare</i>						
<i>Heliomeris (Viguiera) multiflora</i>						
Total Flowers	0	0	0	0	0	1
Total without grasses	0	0	0	0	0	1
# species flowering	0	0	0	0	0	1

Total without grasses

0 0 0 0 0 1

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

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

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

		without grasses	
Total number of species flowering =	20		16
Maximum # of flowers on one day =	207		202
Maximum # of species in flower =	8		6
Maximum H' = .			

Wet Meadow Plot #4

Point #	Plot name	Corner (com	Altitude (feet)	Altitude (meters)	Latitude
145	Wet Meadow	Southeast	9406.021	2866.96	38.955578
146	Wet Meadow	Southwest	9406.036	2866.96	38.955577
147	Wet Meadow	Northwest	9406.138	2866.99	38.955595
148	Wet Meadow	Northeast	9405.714	2866.86	38.955596

5/22/2006	5/24/2006	5/26/2006	5/28/2006	5/30/2006	6/1/2006	6/3/2006	6/5/2006	6/7/2006
31	54	48	49	19	32	27	30	19
5	5	5	7	7	8	7	7	6
		6	8	2				
		4	4	2				
		2	6	4	4	4	10	13
		1	2	2	2	2	3	4
			1	2			1	1
			1	2			1	1
							male	
							female	
							both	

31	54	56	64	27	36	31	41	33
31	54	56	64	27	36	31	41	33
1	1	3	4	4	2	2	3	3

1 1 3 4 4 2 2 3 3

her dumps but still quite a bit of bare ground; Patty Coffin did counts 6-12, 16-20 August; Elizabeth Ziegler did the East River, west of South Gothic. GPS coordinates below. See metadata file at www.rmbl.org for

temperature and light data from Hobo Pendant data logger
light data logger = 27 April 2007

Longitude
106.98901
106.98903
106.98903
106.98901

6/9/2006 6/11/2006 6/13/2006 6/15/2006 6/17/2006 6/19/2006 6/21/2006 6/23/2006 6/25/2006

12 12 3
3 3 2

14 6 18 6 1
3 3 5 3 1
2 3 1 1
2 2 1 1
2 1 3

9 aborted (frosted?) inflorescences, in addition to the 7 OK

1 1 2 9 8 3
1 1 2 9 8 3
1 2
1 1

8 stalks with aborted (frosted?) inflorescences

total of 15 stalks in plot
13 7

28 21 25 11 1 3 10 23 10
28 21 25 11 1 3 10 10 3
3 3 4 4 1 2 2 3 2

3 3 4 4 1 2 2 2 1

er did counts 14, 22-24 August and from 28 August to end; *Delphinium barbeyi* present, but no *Erigeron*

Inouye phenology project for additional details.

6/27/2006 6/29/2006 7/1/2006 7/3/2006 7/5/2006 7/7/2006 7/9/2006 7/11/2006 7/13/2006

						2		1	1
8	8	12	6	11	5	13	13	20	
7	7	10	5	9	4	10	11	12	

t

6	3			2					
4	2	12	1	34	56 closed		91	70	
3	2	10	1	22	34 rain		45	39	

total of 24 stalks in plot

					2		3	8	
--	--	--	--	--	---	--	---	---	--

total of 2+4+9 stalks in plot

1 + 2 done (missed flow)
total of 1, 4, 4, 6 in plot

					1	1	2	3	
					1	1	1	1	

18	13	24	7	47	66	14	110	102	
12	10	24	7	45	64	14	107	94	
3	3	2	2	3	5	2	5	5	

2

2

2

2

2

4

2

4

4

n speciosus

7/15/2006 7/17/2006 7/19/2006 7/21/2006 7/23/2006 7/25/2006 7/27/2006 7/29/2006 7/31/2006

		2	2	2	2				
		1	1	1	1				
						1			
						1			
1	1								
X	23	10	11	14	13	13	2		
	12	5	9	8	8	9	2		
					2	2			
					1	1			

141	42	81	70	156	54	45	29	4
61	33	39	33	49	29	21	14	4

11 2

missed?

wering)

:

6	8	8	8	8	5	4	2	1
1	1	1	1	1	1	1	1	1
2		1		4				
1		1		2				

total of 8 pl.

total of 6 inflorescences in plot

1	1	1						
3	4	4	3	8				
1	1	1	1	2				
			4	18	16	21	9	2
			4	10	12	14	7	2
						1	2	4
						1	1	2

161 80 107 100 207 99 86 44 11

150 76 102 95 202 91 86 44 11

6 7 7 7 8 7 6 5 4

5

5

5

5

6

6

6

5

4

8/2/2006 8/4/2006 8/6/2006 8/8/2006 8/10/2006 8/12/2006 8/14/2006 8/16/2006 8/20/2006

2
1

1
1

1
1

1
1

19
12

27
14

13
7

9
6

1
1

1
1

1
1

1
1

1
1

ants in plot

1

total of 7 inflorescences in plot

14
14
6
3

4
4
14
4

raining

6
6
24

50
38
24

56
46
48

52
45
42
5

55
45
43
5

60
49
49
6

X

50
45

24

20

26

75

105

94

127

122

59

24

20

26

75

105

94

126

122

59

5

4

3

3

3

2

5

3

3

5

4

3

3

3

2

4

3

3

8/22/2006 8/24/2006 8/26/2006 8/28/2006 8/30/2006 9/1/2006 9/3/2006 9/5/2006 9/7/2006

29	16	raining	4		1	2
21	9		4		1	2

89	76	19	56	30	17	5	2	4
70	76	11	46	27	17	5	2	4
36	19	11	4	total of 1+3*2+10+15+22 inflorescences in plo				
3	2	2	2					
12	2				2			
11	2							
	4	8	11	11	5	4	1	1
		4	2	5				
166	117	38	75	41	25	11	3	5
166	117	38	75	41	25	11	3	5
4	5	3	4	2	4	3	2	2

4

5

3

4

2

4

3

2

2

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

Length of flowering
second flow

25
5
25 7
19 2
2
3
49 2
3 3

13
69

17

35

9

5 2

9

58

it

33

11

15

4 5 2 1 0 0
4 5 2 1 0 0
1 1 1 1 0 0

1 1 1 1 0 0

	Maximum number	
vering		
<i>Mertensia fusiformis</i>	54	flowers 8 genets
<i>Viola praemorsa</i>	8	flowers 4 genets
<i>Androsace septentrionalis</i>	18	flowers 5 genets
<i>Ranunculus inamoenus</i>	3	flowers 2 inflorescences
<i>Carex</i>	2 3	inflorescences inflorescences
<i>Potentilla pulcherrima</i> x <i>P. hippiana</i>	23	flowers 12 clusters of flowers
<i>Lathyrus leucanthus</i>	2	flowers 1 clusters of flowers
<i>Lupinus amplus</i>		
<i>Bromelica (Melica) spectabilis</i>	13	inflorescences
<i>Collomia linearis</i>	156	flowers 61 genets
<i>Poa pratensis</i>	11	inflorescences
<i>Elymus (Agropyron) trachycaulus</i> - wild rye		
<i>Ceratochloa (Bromus) carinata</i> smooth brome, flattened heads		
<i>Dugaldia (Helenium) hoopsii</i>	8	capitulae 1 inflorescences
<i>Chenopodium album</i>	4	flowers 2 genets
<i>Achnatherum (Stipa) lettermanii</i> - needlegrass (long awns)	1	inflorescences
<i>Festuca thurberi</i>	8	inflorescences 2 clumps
<i>Polygonum douglasii</i>	89	flowers 76 genets
<i>Artemisia dracuncululus</i>	49	inflorescences 6 clumps
<i>Polygonum aviculare</i>	12	flowers 11 genets
<i>Heliomeris (Viguiera) multiflora</i>	11	capitulae 5 clumps