

Willow - Meadow Interface Plot #1 - 2006 last updated 6/19/08 dwi  
 5/2/2006 5/4/2006 5/6/2006 5/8/2006 5/10/2006 5/22/2006  
*Salix monticola* male 14 inches of snow 50% bare 90% bare snow gone  
 20% bare

*Viola praemorsa*

*Carex illota?? Microptera??*

*Thalictrum fendleri*

*Heuchera parviflora*  
 outside plot, close to road

*Vicia americana*

*Draba aurea*

*Delphinium barbeyi*

*Bromelica (Melica) spectabilis*

*Heracleum lanatum*

*Poa pratensis*

*Galium septentrionale*

*Artemisia dracunculus*

*Erigeron speciosus*

*Ceratochloa (Bromus) carinata*  
 (smooth brome)

*Aster foliaceus*

*Pneumonanthe parryi*

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

Notes: Krehe and Kathy Ritter did counts until 1 June; no gopher dump

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

	without grasses
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Total number of species flowering =	15	13
Maximum # of flowers on one day =	1310	1310
Maximum # of species in flower =	5	4
Maximum H' = .		

Willow-Meadow Interface plot #1

Point #	Plot name	Corner (com	Altitude (feet)	Altitude (meters)	Latitude
104	Willow-Mea	Southeast	9417.541	2870.47	38.956196
105	Willow-Mea	Southwest	9417.42	2870.43	38.95619
106	Willow-Mea	Northwest	9417.722	2870.52	38.956207
107	Willow-Mea	Northeast	9418.011	2870.61	38.956213

5/24/2006	5/26/2006	5/28/2006	5/30/2006	6/1/2006	6/3/2006	6/5/2006	6/7/2006	6/9/2006
6	200	1035	1310	616	194	done		
Taraxacum flowering just outside plot								
		1						
		1						
					male			
					female		1	2
					both			

some frost damage to leaves

6	200	1036	1310	616	194	0	1	2
6	200	1036	1310	616	194	0	1	2
1	1	2	1	1	1	0	1	1
1	1	2	1	1	1	0	1	1

s; Patty Coffin did counts 6-12, 16-20 August; Elizabeth Ziegler did counts 14, 22-24 August and from 28  
 rd the East River, west of South Gothic. GPS coordinates below. See metadata file at [www.rmbl.org](http://www.rmbl.org) for

Longitude
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106.98833
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106.98835
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106.98836
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106.98834
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6/11/2006 6/13/2006 6/15/2006 6/17/2006 6/19/2006 6/21/2006 6/23/2006 6/25/2006 6/27/2006

		2 aborted (frosted?) inflorescences						
2	2	2						
took pictures of frost-damaged	male			1	2	2	2	
inflorescences								
	stalks other than this one were			9	18	20	gone	
	killed by frost about 20 June			1	1	1		
						5	gone?	
						1	maybe eaten	
							X	
							missed earlier - at edge	

2	2	2	0	0	1	2	7	2
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2	2	2	0	0	1	2	7	2
---	---	---	---	---	---	---	---	---

1	1	1	0	0	1	1	2	2
---	---	---	---	---	---	---	---	---

1	1	1	0	0	1	1	2	2
---	---	---	---	---	---	---	---	---

3 August to end

Inouye phenology project for additional details.



6/29/2006 7/1/2006 7/3/2006 7/5/2006 7/7/2006 7/9/2006 7/11/2006 7/13/2006 7/15/2006

	1	3	2	1	3	3	3	1
en?		3	1					
X		2	1					
e of plot		5	4	3	2	1		
		1	1	1	1	1		
		2	3	8	10	12	9	3
		1	1	3	3	3	2	1
		2	total of 2 stalks in plot					
				1	1	1	1	1

total of 5 stalks in plot

most or all buds frost-killed

1	15	10	13	16	17	13	5	1
1	13	10	13	16	17	13	5	1
2	5	4	4	4	4	3	3	1
2	4	4	4	4	4	3	3	1





7/17/2006 7/19/2006 7/21/2006 7/23/2006 7/25/2006 7/27/2006 7/29/2006 7/31/2006 8/2/2006

some frost-killed inflorescences

1	1	1	1	1	1				
4		5	5						
		1	1	2	2	2	2	2	
			1	2	3	4	4	4	
				1	4	5	13	31	
				1	1	3	6	5	

total of 4 inflorescences in plot

5	1	7	8	6	10	11	19	37
1	1	2	3	6	10	11	19	37
2	1	3	4	4	4	3	3	3
1	1	2	3	4	4	3	3	3



8/4/2006 8/6/2006 8/8/2006 8/10/2006 8/12/2006 8/14/2006 8/16/2006 8/20/2006 8/22/2006

2	2	3	1	2	2	2	2	2
		111						
4	5	4	5	3	4	2	1	
9		11	5					
2								
		2	2	2	4	3	2	1
				1	1	1		
				1	1	1		
15	7	20	13	8	11	8	5	3
15	7	20	13	8	11	8	5	3
3	2	4	3	4	4	4	3	2
3	2	4	3	4	4	4	3	2



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

2 1

1 1 1  
1 raining 1 1  
1 1 1

4 2 2 1 0 0 0 0 0

4 2 2 1 0 0 0 0 0

3 2 2 2 2 0 0 0 0

3 2 2 2 2 0 0 0 0



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

Length of flowering

- 11 *Salix monti*
- 2 *Viola praen*
- Carex illota*
- 9
- 23 *Thalictrum*
- 5 *Heuchera sp.*  
outside plot
- 9 *Vicia ameri*
- 13 *Draba aure*
- 13 *Delphinium*
- Bromelica*
- 2
- Heracleum*
- 23
- Poa pratens*
- 7
- Galium sep*
- 37
- Artemisia a*
- 29
- 17 *Erigeron sp.*
- missed *Ceratochlo.*  
(smooth l)
- 21 *Aster foliac*
- 19 *Pneumona.*

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0





	maximum number of flowers	maximum number of stalks or plants
<i>cola</i>	1310	catkins
<i>norsa</i>	1	flowers 1 genets
<i>l?? Microptera??</i>	2	inflorescences
<i>fendleri</i>	3	inflorescences
<i>parviflora</i>	20	flowers
<i>l, close to road</i>		1 inflorescences
<i>icana</i>	5	flowers
<i>a</i>	5	2 clusters of flowers flowers
<i>l barbeyi</i>	12	1 genets flowers 3 inflorescences
<i>(Melica) spectabilis</i>	2	inflorescences
<i>lanatum</i>	1	inflorescences
<i>sis</i>	5	inflorescences
<i>l tentrionale</i>	3	inflorescences
<i>l racuncululus</i>	111	flowers were counted on one day 5 inflorescences
<i>l eciosus</i>	31	capitulae 6 patches
<i>a (Bromus) carinata</i>		
<i>l rome)</i>		
<i>l eus</i>	4	capitulae 1 inflorescences
<i>l nthe parryi</i>	1	flowers 1 inflorescences