

ARS#20: Bogr Seed Harvest

Study Site: 21 N

BLOCK #: 1

Recorder: Laura Jamison

Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	6 x 4	2	out	X
1	2	1.5 x 1	1	out	
1	3	4 x 2.5	3	in	
1	4	4 x 2	1	in	
1	5	4 x 3	2	out	
1	6	2.5 x 2	2	out	
1	7	2.5 x 1.5	2	in	
1	8	6 x 3.5	2	in	
-	-	-	-	-	-
2	1	3 x 3	2	out	X
2	2	1.5 x 1	1	in	
2	3	2 x 2	2	in	
2	4	4 x 3	2	out	
2	5	3 x 3	2	out	
2	6	2 x 1	1	out	
2	7	4 x 3.5	3	out	
2	8	13 x 6	2	out	
-	-	-	-	-	-
3	1	4.5 x 3.5	1	out	
3	2	3 x 3	3	in	
3	3	4 x 3	2	out	
3	4	3 x 1.5	3	out	
3	5	4 x 2.5	2	out	
3	6	1.5 x 3	1	out	
3	7	2 x 1	1	out	
3	8	.5 x .5	1	out	X
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 21N

BLOCK #: 2

Recorder: April Chelton

Date: 8-21-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	6x6	2	OUT	
1	2	4x3	2	OUT	X
1	3	.5x.5	1	OUT	
1	4	6x7	2	OUT	
1	5	7x5	4	OUT	
1	6	5x6	4	OUT	
1	7	5x8	1	OUT	
1	8	5x3	4	OUT	
-	-	-	-	-	-
2	1	2 x 1/2	1	OUT	
2	2	7x2	1	OUT	
2	3	1 1/2 x 1/2	2	OUT	X
2	4	15x7	6	OUT	
2	5	8x4	2	OUT	
2	6	2.5x3	2	OUT	
2	7	3x2	2	OUT	
2	8	.5x.5	1	IN	
-	-	-	-	-	-
3	1	3x.5	1	OUT	
3	2	4x4	1	OUT	
3	3	12x2	2	OUT	X
3	4	8x7	4	OUT	
3	5	7x7	2	OUT	
3	6	12x6	2	OUT	
3	7	8x6	2	OUT	
3	8	9x6	1	OUT	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 21N

BLOCK #: 3

Recorder: Laura Jamison

Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	2.5 x 1	1	out	
1	2	3 x 2	1	out	
1	3	2.5 x 1.5	1	out	
1	4	4 x 2	2	out	
1	5	2 x 1.5	1	in	X
1	6	3.5 x 2	2	in	
1	7	1 x 1	1	out	
1	8	7 x 4	1	out	
-	-	-	-	-	-
2	1	2.5 x 3	2	out	
2	2	1.2 x 1.5	1	out	
2	3	2.5 x 1	1	out	X
2	4	3.5 x 3	1	out	
2	5	3.5 x 4	2	out	X
2	6	3 x 3	2	out	
2	7	8 x 3	1	out	
2	8	1.5 x 2.5	1	out	
-	-	-	-	-	-
3	1	3 x 3	2	out	
3	2	3 x 3	1	out	
3	3	2.5 x 2	2	out	X
3	4	3 x 4	1	out	
3	5	3 x 3.5	1	out	
3	6	5 x 3	2	out	
3	7	5 x 4	1	out	
3	8	5 x 5	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 24 ridge

BLOCK #: 1

Recorder: Brandon Vogel

Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Clip for Biomass 2002 (X)
1	1	1.5 x 2	1	out	
1	2	5 x 3	3	out	
1	3	2.5 x 3	2	out	
1	4	3.5 x 1	2	out	
1	5	3 x 2.5	2	out	
1	6	7 x 3.5	3	out	
1	7	3 x 4.5	3	out	X
1	8	2 x 3.5	3	in	
-	-	-	-	-	-
2	1	5 x 2.5	1	out	
2	2	3 x 2	1	out	
2	3	3 x 2	1	out	X
2	4	3 x 2.5	1	out	
2	5	.5 x 1	1	out	X
2	6	2.5 x 1	1	out	
2	7	1 x 1.5	1	out	
2	8	.5 x .5	1	in	
-	-	-	-	-	-
3	1	7 x 5	1	out	
3	2	5 x 5	1	in	
3	3	4.5 x 4	2	out	
3	4	4.5 x 5	2	out	
3	5	1 x 1.5	1	in	
3	6	1 x 2	1	out	X
3	7	4 x 2	4	out	
3	8	1 x 1.5	1	out	
-	-	-	-	-	-
4	1	Do Not Sample Transect 4 in 2002			
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 24 ridge
 BLOCK #: 2

Recorder: Brandon Vogel
 Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Clip for Biomass 2002 (X)
1	1	2x2	1	out	
1	2	2x.5	1	out	
1	3	6x4	2	out	
1	4	1.5x2	1	in	
1	5	3x2	1	out	
1	6	1.5x1	1	out	X
1	7	4x3	1	out	
1	8	4x3	1	out	
-	-	-	-	-	-
2	1	10x3.5	4	out	X
2	2	.5x2	1	out	
2	3	3x2	2	out	
2	4	.1x.1	1	out	X
2	5	2x1.5	1	out	
2	6	3.5x1.5	4	out	
2	7	2x1.5	1	in	
2	8	4.5x2	2	out	
-	-	-	-	-	-
3	1	.5x.5	1	out	
3	2	1x1.5	1	in	
3	3	2.5x2	2	in (dead)	
3	4	.5x.5	1	out	
3	5	.1x.1	1	out	
3	6	3x.5	1	in	
3	7	1x.5	1	in	
3	8	.5x.5	1	out	
-	-	-	-	-	-
4	1	Do Not Sample Transect 4 in 2002			
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 24 ridge
 BLOCK #: 3

Recorder: Brandon Vagel
 Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Clip for Biomass 2002 (X)
1	1	2x3	2	out	
1	2	1.5x2	1	out	
1	3	1.5x2	1	out	
1	4	3x2	2	out	X
1	5	1.5x1	1	in	
1	6	1.5x2	1	out	
1	7	3.5x3	3	out	
1	8	1.5x1	2	out	
-	-	-	-	-	-
2	1	4x3	2	out	
2	2	3x2	2	out	X
2	3	2.5x3	1	out	
2	4	1.5x3	2	in	
2	5	1.5x2	1	out	
2	6	4x4	2	out	
2	7	2x1	1	out	X
2	8	3x2	1	out	
-	-	-	-	-	-
3	1	4x1	2	out	
3	2	1x1	1	out	
3	3	4x3	2	out	
3	4	2x3	2	out	
3	5	2x2	2	in	
3	6	3x5	1	out	
3	7	2x1.5	2	out	X
3	8	2x1	1	out	
-	-	-	-	-	-
4	1	Do Not Sample Transect 4 in 2002			
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

NOTES:

ARS#20: Bogr Seed Harvest
Study Site: 25
BLOCK #: 1

Recorder: S. Blocken
Date: 15 Sept 2003

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	3	1	6 x 1.5	1	out
1	2	2	2 x 1.5	1	out
1	3	3	4 x 2.5	2	out
1	4	4	1.5 x 1	3	out X
1	5	5	3.5 x 2	1	out
1	6	6	9 x 3.5	2	out
1	7	7	9.5 x 10	28	in
1	8	8	2 x 1	1	in
—	—	—	—	—	—
2	1	1	4 x 2.5	2	in
2	2	2	4.5 x 3	2	out
2	3	3	7.5 x 3	2	in
2	4	4	2.5 x 1	1	in
2	5	5	4 x 3	7	out X
2	6	6	3 x 2	2	out
2	7	7	3.5 x 2	1	out
2	8	8	7 x 3	4	out
—	—	—	—	—	—
3	1	1	4 x 1	5	in
3	2	2	6 x 3	3	out
3	3	3	5 x 3	4	out
3	4	4	4 x 2	3	out
3	5	5	4 x 1	1	out
3	6	6	3.5 x 2	2	out X
3	7	7	1.5 x 1.5	1	in
3	8	8	4 by 2	one	not in
—	—	—	—	—	—
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 25 SE

BLOCK #: 2

Recorder: J. Wanner

Date: 9.15.07

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	7 x 4	4	out	X
1	2	2.5 x 3	3	in	
1	3	8 x 2	9	In	
1	4	4.5 x 3.5	2	out	
1	5	8 x 4	4	In	
1	6	6 x 3.5	2	In	
1	7	11 x 8	7	out	
1	8	7 x 3.5	3	out	+
-	-	-	-	-	-
2	1	2.5 x 5	1	out	
2	2	3.5 x 1.5	1	out	
2	3	2.5 x 3	5	out	
2	4	3.5 x 3.5	3	out	X
2	5	6 x 4	2	In	
2	6	7.5 x 4	13	out	
2	7	2.5 x 3	2	out	
2	8	2.5 x 3	2	out	
-	-	-	-	-	-
3	1	4 x 5	4	out	
3	2	3.5 x 7	11	In	X
3	3	1 x 3	2	out	
3	4	3.5 x 4	3	out	
3	5	6.5 x 4	3	In	
3	6	3 x 4	5	out	
3	7	1 x 3	2	In	
3	8	4.5 x 4	3	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 25 SE

BLOCK #: 3

Recorder: J. Weaver / S. Blocker

Date: 9.15.03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	2.5 x 3	2	In	
1	2	4 x 2.5	7	In	X
1	3	11 x 5.5	20	In	X
1	4	2 x 5	1	out	
1	5	2 x 5	3	out	
1	6	3 x 4	2	out	
1	7	1.5 x 2.5	2	In	
1	8	2 x 2.5	1	out	
-	-	-	-	-	-
2	1	8 x 6 rough	1	out	
2	2	2.5 x 2	2	out	
2	3	3 x 2	3	in	X
2	4	3.5 x 3	6	in	
2	5	5 x 7	4	out	
2	6	3 x 2	3	out	
2	7	13 x 3	2	in	
2	8	0.5 x 0.5	1	in	
-	-	-	-	-	-
3	1	4 x 4	5	in	
3	2	3.5 x 2	5	in	
3	3	3.5 x 3	7	out	
3	4	3 x 5	2	out	
3	5	3.5 x 1.5	1	out	
3	6	1.5 x 1	1	out	X
3	7	4 x 3	2	in	
3	8	4 x 3	5	in	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

T2 P7 → ya'd think there'd be a lot of culms but there's only 2

ARS#20: Bogr Seed Harvest
 Study Site: *ESA*
 BLOCK #: *1*

Recorder: *S. Ratering*
 Date: *8-21-03*

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	4x3	1	out	
1	2	7x6	8	out	x ✓
1	3	2.5x2.5	1	out	
1	4	none			All seed dispersed
1	5	3x4	1	in	
1	6	9x6	8	out	x ✓
1	7	7.5x6	1	out	
1	8	3x1	2	out	
-	-	-	-	-	-
2	1	4x4	2	out	x ✓
2	2	2x2	1	out	
2	3	10x4	1	out	
2	4	1x2	1	out	
2	5	4x3	3	out	
2	6	8x5	6	in	
2	7	4x3	1	out	
2	8	4x4	8	out	
-	-	-	-	-	-
3	1	3x4	4	out	
3	2	3x2	1	out	
3	3	1.5x1	1	out	
3	4	3x2	3	out	
3	5	6x7	3	out	
3	6	3x2	2	out	x ✓
3	7	3.5x4	3	out	
3	8	4x6	5	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: *ESA*BLOCK #: *2*Recorder: *Brandon Vogel*Date: *8-21-03*

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	4x4.5	1	out	
1	2	6x2	2	out	
1	3	5x4	6	out	
1	4	5x2.5	4	out	
1	5	5x3	4	out	+
1	6	7x5.5	9	in	
1	7	5x6	8	out	
1	8	5x4	2	in	
-	-	-	-	-	-
2	1	10x12	1	out	
2	2	7.5x5	1	out	
2	3	2.5x3	3	in	
2	4	2.5x1	5	in	+
2	5	4.5x1	1	out	
2	6	4.5x4	3	in	
2	7	7x4.5	2	out	
2	8	7x5	1	out	
-	-	-	-	-	-
3	1	2x3	3	out	
3	2	2x1.5	2	in	+
3	3	2.5x2	2	out	
3	4	1x.5	1	out	
3	5	3x1	3	out	
3	6	2.5x1.5	1	out	
3	7	3.5x6	2	out	
3	8	4.5x3	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: ESA

BLOCK #: 3

Recorder: S. Ratering

Date: 8-21-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	12x7	11	in	
1	2	10x8	1	out	
1	3	3x4	2	out	
1	4	7x4	2	in	
1	5	19x10	3	out	
1	6	9x10	9	out	x ✓
1	7	15x13	3	out	
1	8	9x10	3	out	
-	-	-	-	-	-
2	1	5x3	3	out	
2	2	4x3	1	out	
2	3	3x3	1	out	
2	4	4x9.5	3	out	
2	5	4.5x3	2	in	x ✓
2	6	5x2	2	in	
2	7	4.5x3	1	out	
2	8	9x4	4	in	
-	-	-	-	-	-
3	1	4x3	3	out	
3	2	2x1.5	1	out	x ✓
3	3	4.5x6	4	out	
3	4	4x1.5	3	out	
3	5	3x2	3	out	
3	6	.5x1.5	1	out	
3	7	.5x1.5	1	in	
3	8	7x4	4	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 65
 BLOCK #: 1

Recorder: Brandon Vogel
 Date: 8-21-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	2.5 x 3	1	out	
1	2	2.5 x 3-5	1		
1	3	3.5 x 2	1		x
1	4	1.5 x .5	3		
1	5	2 x 2	1		
1	6	1.5 x 1.5	1		
1	7	3 x 1.5	1		
1	8	2.5 x .5	1	↓	
-	-	-	-	-	-
2	1	6 x 2	2	out	
2	2	3 x 2	1	out	
2	3	4 x 2	1	out	
2	4	1 x 1	1	out	x
2	5	4 x 2	1	out	
2	6	.5 x .5	1	out	
2	7	2 x 1	1	out	
2	8	1.5 x 1	1	out	
-	-	-	-	-	-
3	1	5 x 4	2	out	
3	2	2 x 1	1	out	
3	3	5 x 3	1	out	
3	4	4 x 3	3	out	
3	5	2 x 1	1	out	
3	6	2 x 2	2	out	
3	7	2 x 1.5	1	out	
3	8	2.5 x 4	1	out	x
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: *GS strip*

BLOCK #: 2

Recorder: *Brandon Vogel*

Date: 8-21-03

Bad Bogr site

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	2x1	2	out	
1	2	1x1	1	out	
1	3	2x1.5	1	out	
1	4	1x1	1	out	
1	5	none	-	-	
1	6	none	-	-	X
1	7	4.5x3	2	out	
1	8	3x2.5	1	out	
-	-	-	-	-	-
2	1	.25x.25	1	out	
2	2	2x1	1	out	X
2	3	none	-	-	
2	4	2x1.5	1	out	
2	5	6x4	1	out	
2	6	2x2	1	out	
2	7	2x1	1	out	
2	8	none	-	-	
-	-	-	-	-	-
3	1	1x3.5	3	in	
3	2	1.5x1	2	in	
3	3	3x2	1	in	
3	4	2.5x2	1	out	
3	5	5x3	1	out	
3	6	1x2	2	out	X
3	7	1x.5	1	out	
3	8	1x1	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

not ready

not ready

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 69 Strip

BLOCK #: 3

Recorder: Brenden Vogel

Date: 8-21-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	3x2	2	in	
1	2	6x3	4	out	X
1	3	2x3	1		
1	4	4x3	1		
1	5	2.5x1.5	2		
1	6	7.5x4.5	1		
1	7	8x3.5	2		
1	8	4.5x4.5	6	✓	
-	-	-	-	-	-
2	1	3x3	4	out	
2	2	5x4	1	out	
2	3	3x4	2	out	X
2	4	3x2	2	out	
2	5	2x1	1	out	
2	6	1x1.5	1	in	
2	7	3x4	3	out	
2	8	2x4	4	out	X
-	-	-	-	-	-
3	1	4x2	1	out	
3	2	5x3	2	out	
3	3	8x6	2	out	
3	4	2x2	1	out	
3	5	2x1.5	1	out	
3	6	2x1.5	1	out	X
3	7	2.5x2.5	1	out	
3	8	2x2	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 23 (HG)
 BLOCK #: 1

Recorder: Laura Jamison
 Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	1.5x2	1	out	
1	2	1.5x2	1	in	
1	3	1x1	1	out	X
1	4	2x1.5	2	out	
1	5	2.5x5	1	out	
1	6	5x2.5	3	out	
1	7	2.5x2.5	1	out	
1	8	8x5	3	out	
-	-	-	-	-	-
2	1	6x4	2	out	
2	2	3x5	2	out	
2	3	3x5	1	out	X
2	4	1x1	1	out	
2	5	2x1	1	in	
2	6	2x1	2	out	
2	7	.5x.5	2	out	
2	8	3x4	1	out	X
-	-	-	-	-	-
3	1	4x2.5	1	in	
3	2	.5x.5	1	out	
3	3	2.5x3.5	1	in	
3	4	3x1.5	1	out	X
3	5	3x2.5	3	out	
3	6	5x2	3	out	
3	7	4x3	1	out	
3	8	3x3	2	in	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Recorder: April Shelton

Study Site: 23 (HG)

Date: 8.21.03

BLOCK #: 2

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	3.5x4	2	out	
1	2	3.5x2.5	1		
1	3	6x5	1		
1	4	2x2.5	1		
1	5	1x1	1		X
1	6	3x3	1		
1	7	3x2	1		
1	8	3x3	1		
-	-	-	-	-	-
2	1	4x3	1	In	
2	2	6x4	4	out	
2	3	7x9	4	In	
2	4	4x3	1	In	
2	5	1x.5	1	In	
2	6	1x.5	1	out	X
2	7	3.5x4	2	out	
2	8	.5x.5	1	out	
-	-	-	-	-	-
3	1	5x2	1	out	
3	2	1.5x.5	1	out	
3	3	1.5x1.5	1	out	
3	4	5x2	2	out	
3	5	2x1	1	In	
3	6	4x6	3	out	
3	7	3x3	3	In	X
3	8	3x1	3	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: 23 (HG)

BLOCK #: 3

Recorder: April Shelton

Date: 8.21.03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	5x2	1	0	
1	2	5x3	1	0	
1	3	5x3	1	0	X
1	4	4x4	3	0	
1	5	5.5x4	1	0	
1	6	3x1.5	1	0	
1	7	7x1	2	In	
1	8	2x2.5	1	0	
-	-	-	-	-	-
2	1	1.5x1.5	1	out	
2	2	3x1.5	1	In	
2	3	2x1.5	1	out	
2	4	2x3	1	out	
2	5	1x1.5	1	out	
2	6	2x3	1	out	X
2	7	4x2	1	out	
2	8	8x4	1	out	
-	-	-	-	-	-
3	1	3.5x4.5	3	out	
3	2	2.5x1.5	2	out	
3	3	2.5x1	2	out	
3	4	2x1.5	1	out	
3	5	4x2	1	out	
3	6	.5x1	1	out	
3	7	.5x.5	1	out	
3	8	.1x.1	1	out	X
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 27 METG2
 BLOCK #: 1

Recorder: Brandon Vogel
 Date: 8.20.03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	3x3	1	in	
1	2	3x2	1	out	
1	3	4x2	2	out	X
1	4	6x4	1	out	
1	5	4x2	1	in	
1	6	6x4	1	in	
1	7	4x4	3	in	X
1	8	3x3	1	in	
-	-	-	-	-	-
2	1	3x4	5	in	
2	2	2.5x4	2	out	
2	3	7x7	1	out	X
2	4	2x2	1	out	
2	5	2x1	1	out	
2	6	5x3	4	in	
2	7	3x1.5	2	out	
2	8	3x1	1	in	
-	-	-	-	-	-
3	1	6x4	2	out	
3	2	2.5x3.5	1	out	
3	3	10x3	2	out	
3	4	3x4	1	out	
3	5	4x2	1	in	
3	6	7x6	3	in	X
3	7	8x7	2	out	
3	8	3x5	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 27 MET-6Z
 BLOCK #: 2

Recorder: B. Grady
 Date: 8/20/03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	2 x 1.5	2	OUT	
1	2	2 x .5	1	OUT	
1	3	.5 x .5	1	IN	X
1	4	1.5 x 1	1	IN	
1	5	2.5 x 1	2	IN	
1	6	2 x 1	1	OUT	
1	7	1.5 x .5	1	IN	
1	8	1 x 1	1	OUT	
-	-	-	-	-	-
2	1	3 x 5	2	OUT	
2	2	20 x 5	8	IN	
2	3	5 x 3	1	OUT	
2	4	5 x 2	4	IN	
2	5	3 x 5	3	OUT	
2	6	3.5 x 2.5	1	IN	
2	7	5 x 4.5	5	OUT	
2	8	2 x .5	1	OUT	X
-	-	-	-	-	-
3	1	1.5 x 3	1	OUT	
3	2	3 x 5	2	IN	X
3	3	2 x 2	1	IN	
3	4	4 x 3	2	OUT	
3	5	7 x 5	1	OUT	
3	6	1.3 x 1.5	1	OUT	
3	7	1.5 x 2	2	OUT	
3	8	3 x 3	2	OUT	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

Heather

Jamie

April

ARS#20: Bogr Seed Harvest
 Study Site: 27 MET62
 BLOCK #: 3

Recorder: Brandon Vogel
 Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	5x4	2	in	
1	2	2x2	1	in	
1	3	5x5	5	in	X
1	4	4x3.5	1	in	
1	5	5x6	1	out	
1	6	6x5	1	out	
1	7	2x3	1	out	
1	8	3x4	2	out	
-	-	-	-	-	-
2	1	4x4	5	out	
2	2	3x1	1	out	
2	3	5x2	3	out	
2	4	5x3	3	out	
2	5	3.5x5	5	out	X
2	6	3x3.5	5	in	
2	7	2.5x2	5	out	
2	8	6x5.5	8	out	
-	-	-	-	-	-
3	1	6x3	5	out	
3	2	3x2	1	in	
3	3	5x3	3	out	
3	4	2x2	4	out	
3	5	1.5x2	1	in	
3	6	1x1	1	out	X
3	7	2x3	1	in	
3	8	4x2	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: 27 MET-UN
 BLOCK #: |

Recorder: Heather Workustorfer
 Date: 9.18.03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	6.5 x 4.5	2	in	
1	2	6.5 x 4	8	out	
1	3	2.5 x 4	3	out	X
1	4	3 x 1.5	3	in	
1	5	3.5 x 5	3	out	
1	6	9 x 4	9	in	
1	7	1.5 x 2	2	out	X
1	8	1.5 x 2	1	out	
-	-	-	-	-	-
2	1	3 x 2	1	out	
2	2	7 x 3	5	out	
2	3	2 x 1	1	in	X
2	4	8 x 4	4	in	
2	5	7 x 3	7	out	
2	6	4 x 2	2	out	
2	7	17 x 10	10	out	
2	8	21 x 11	20	out	
-	-	-	-	-	-
3	1	8 x 4	1	out	
3	2	6 x 3	5	out	
3	3	5 x 3.5	4	out	
3	4	9 x 5.5	3	in	
3	5	7 x 3	3	out	
3	6	9 x 6.5	3	out	X
3	7	3.5 x 7	4	in	
3	8	5.5 x 10.5	3	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: Site 27 Metung
 BLOCK #: 2

Recorder: Laura Jamison
 Date: 8-20-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	3 x 4	2	out	
1	2	5 x 4	1	out	
1	3	6 x 4	10	out	X
1	4	4 x 4	3	out	
1	5	6 x 4	1	out	
1	6	3 x 4	4	out	
1	7	6 x 6	4	out	
1	8	6 x 7	4	out	
-	-	-	-	-	-
2	1	3 x 4	1	in	
2	2	6 x 5	12	out	X
2	3	3 x 3	1	out	
2	4	3 x 3	1	in	
2	5	3 x 4	1	out	
2	6	6 x 5	3	out	
2	7	4 x 4	6	out	
2	8	3 x 3	1	in	
-	-	-	-	-	-
3	1	10 x 7	2	out	
3	2	9 x 5	1	out	
3	3	4 x 2	1	in	
3	4	9 x 4	4	out	
3	5	8 x 4	3	out	
3	6	3 x 2	2	in	
3	7	4 x 8	2	out	X
3	8	3 x 3	3	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

Seth

Brandon

April

ARS#20: Bogr Seed Harvest

Recorder:

Study Site: 24 un

Date: 8.20.03

BLOCK #: 3

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	4x2	2	out	
1	2	4x8	2	out	
1	3	4x2	5	out	X
1	4	4x3	2	out	
1	5	5x3	2	out	
1	6	3x2	1	out	
1	7	4.5x	5	out	
1	8	3x3	2	out	
-	-	-	-	-	-
2	1	8x8	1	out	
2	2	11x3.5	1	out	
2	3	7.5x7.5	1	out	
2	4	1x1	1	out	
2	5	4.5x2.5	3	out	X
2	6	9x5	5	out	
2	7	3x1	1	out	
2	8	4.5x2.5	3	out	
-	-	-	-	-	-
3	1	5x2	3	out	
3	2	6.5x2.5	2	out	
3	3	.5x.5	1	out	
3	4	6.5x5	6	out	
3	5	2x1.5	1	out	
3	6	2.5x1.5	2	out	X
3	7	4x4.5	3	out	
3	8	4x2.5	5	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest
 Study Site: owl creek
 BLOCK #: 1

Recorder: Brandon Vogel
 Date: 8-21-03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	6x4	3	out	
1	2	6x3	5	in	
1	3	5x3	4	out	
1	4	1x1	1	out	
1	5	4x3	4	out	
1	6	8x9	7	out	X
1	7	4x2	1	out	
1	8	6x3	2	out	
-	-	-	-	-	-
2	1	10x5	17	out	
2	2	9x2	4	out	
2	3	3x1	3	out	X
2	4	2.5x5	4	out	X
2	5	2x1	1	in	
2	6	1.5x1.5	1	out	
2	7	1x.5	1	out	
2	8	5x1	2	out	
-	-	-	-	-	-
3	1	1.5x2	1	out	
3	2	3x2	1	↓	
3	3	3.5x1	4		
3	4	1.5x1.5	1		
3	5	4x2	1		X
3	6	1x2	5		
3	7	2.5x1.5	2		
3	8	3.5x1.5	1		
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: Owl Creek

BLOCK #: 2

Recorder: S. Fothering

Date: 8/21/03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	6x5	6	in	X ✓
1	2	3x4	2	out	
1	3	none			
1	4	2x1	1	out	
1	5	4x2	2	out	
1	6	3x2	1	in	
1	7	1.5x4	2	out	
1	8	3x2	2	out	
-	-	-	-	-	-
2	1	1x.5	1	out	
2	2	2x.5	1	out	
2	3	3x1	2	out	
2	4	2.5x2.5	1	out	
2	5	7x5.5	1	out	
2	6	4x3	2	out	X ✓
2	7	3.5x2.5	2	out	
2	8	12x8	14	out	
-	-	-	-	-	-
3	1	3x3	2	out	
3	2	2.5x2	1	out	
3	3	4x2	2	in	
3	4	3x2	1	out	
3	5	8x4	4	out	
3	6	7x4	3	in	
3	7	5x3	1	out	
3	8	6x7	4	out	X
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

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NOTES:

ARS#20: Bogr Seed Harvest

Study Site: Owl Creek

BLOCK #: 3

Recorder: S. Ratering

Date: 8/21/03

Transect#	Plant #	Target Plant Size (cm)	# Of Culms Clipped w/Inflor-	In or Out of Cactus	Check if Clipped For Biomass
1	1	6x3	3	out	
1	2	2x2	1	in	
1	3	2x1.5	2	out	X ✓
1	4	2x3	2	out	
1	5	3x4	3	out	
1	6	none			
1	7	1x2	1	out	
1	8	5x2	5	out	
-	-	-	-	-	-
2	1	1x1.5	1	out	
2	2	5x1.5	2	out	
2	3	3x3	3	out	
2	4	.5x.5	1	out	
2	5	3x2.5	2	out	
2	6	2x1.5	2	out	
2	7	7x4	1	out	X ✓
2	8	7x3	2	out	
-	-	-	-	-	-
3	1	6x2	1	out	
3	2	3x3	2	out	X ✓
3	3	3.5x2	3	out	
3	4	4x3	1	out	
3	5	3x2	2	out	
3	6	9x5	7	out	
3	7	3x2.5	2	out	
3	8	5x6	1	out	
-	-	-	-	-	-
4	1				
4	2				
4	3				
4	4				
4	5				
4	6				
4	7				
4	8				

patch of AGSM

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NOTES: