

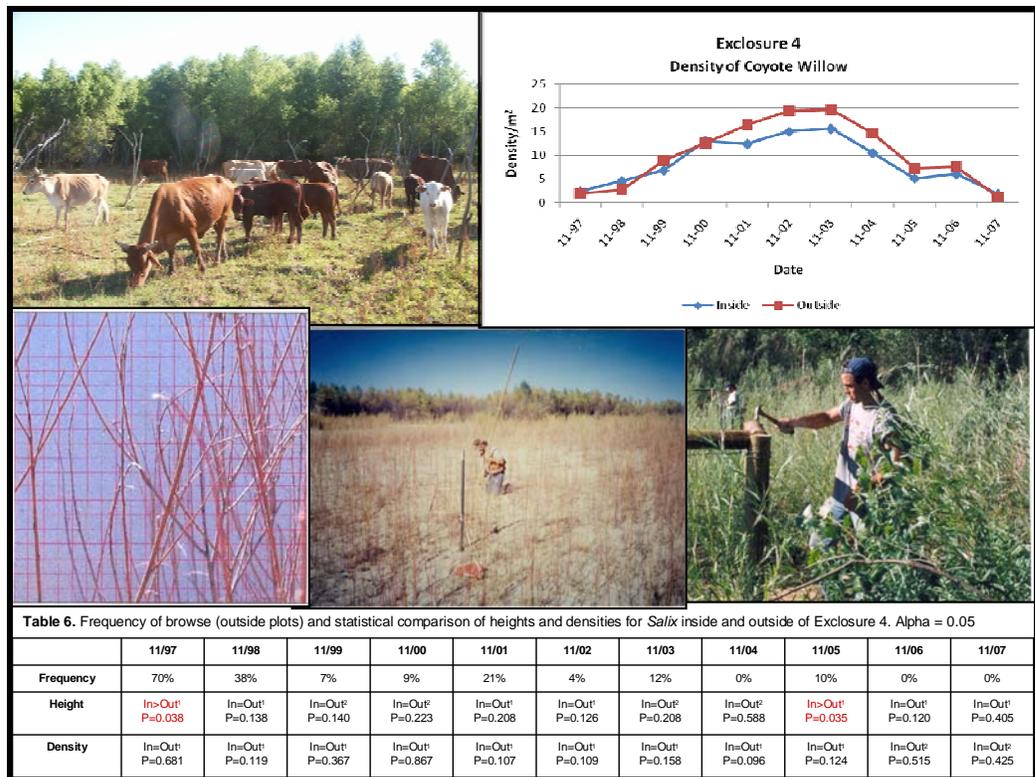
RECLAMATION

Managing Water in the West

A Long-Term Assessment of Livestock Impacts on Riparian Vegetation

Elephant Butte Project Lands

APPENDICES



U.S. Department of the Interior
 Bureau of Reclamation
 Technical Service Center
 Environmental Services Division
 Fisheries and Wildlife Resources Group
 Denver, Colorado

March 2009

Mission Statements

The mission of the Department of the Interior is to protect and provide access to our Nation's natural and cultural heritage and honor our trust responsibilities to Indian Tribes and our commitments to island communities.

The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.

A Long-Term Assessment of Livestock Impacts on Riparian Vegetation

Elephant Butte Project Lands

APPENDICES

Prepared by:

**Technical Service Center
Fisheries and Wildlife Resources Group**

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Gregory Reed, Natural Resources Specialist

Rebecca Siegle, SAIC Contractor to Reclamation



**U.S. Department of the Interior
Bureau of Reclamation
Technical Service Center
Environmental Services Division
Fisheries and Wildlife Resources Group
Denver, Colorado**

March 2009

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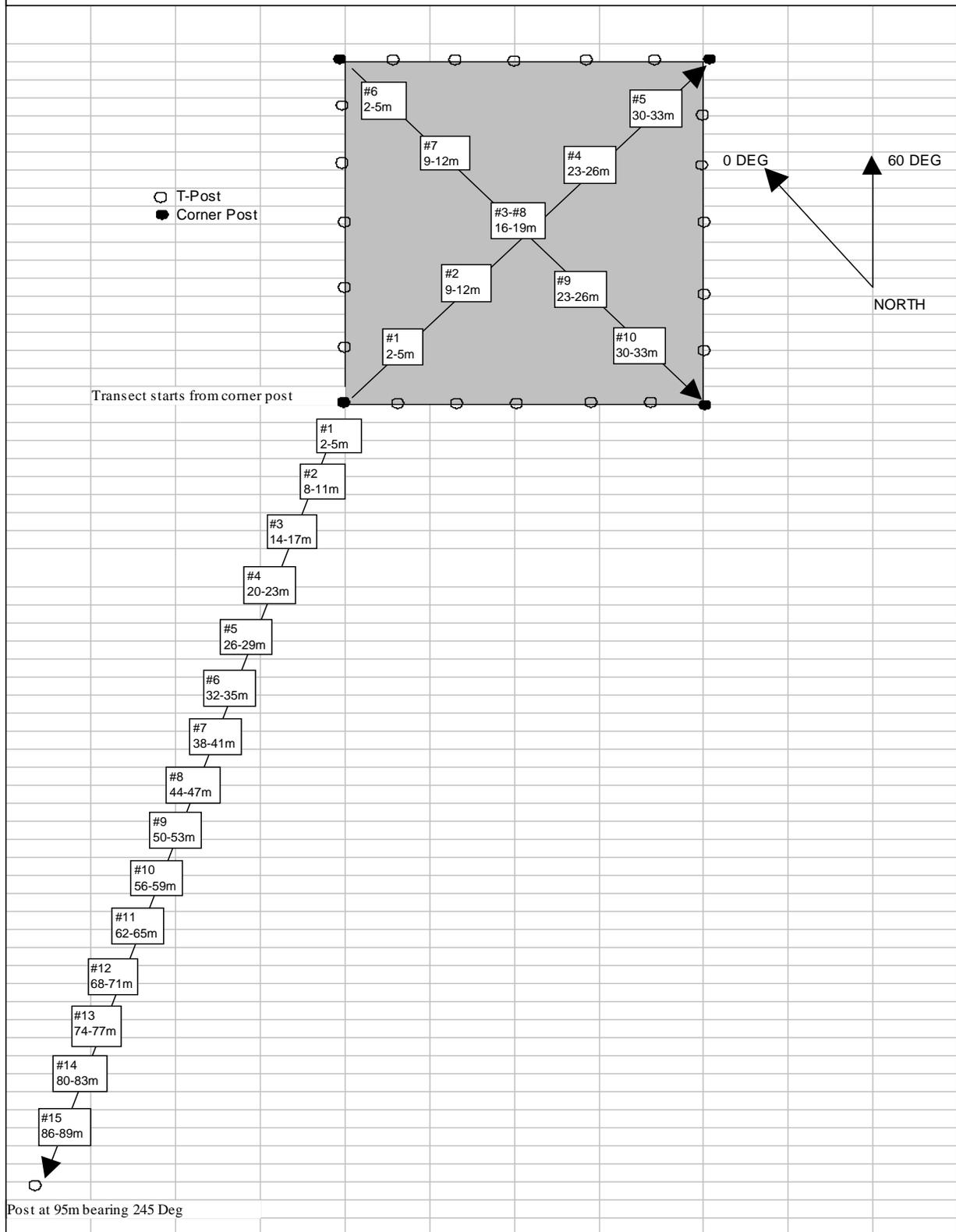
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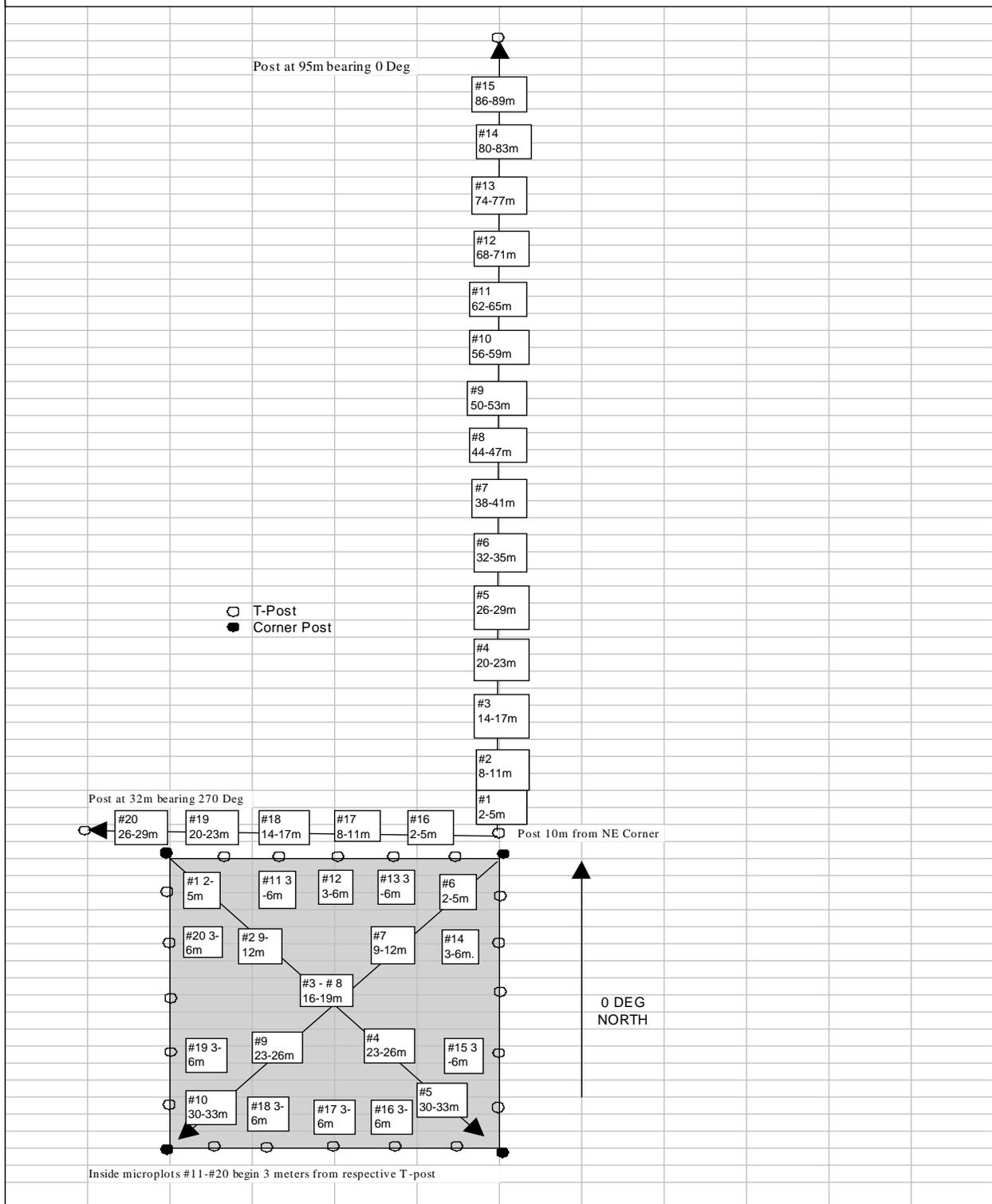
APPENDIX A

Layout of Exclosures

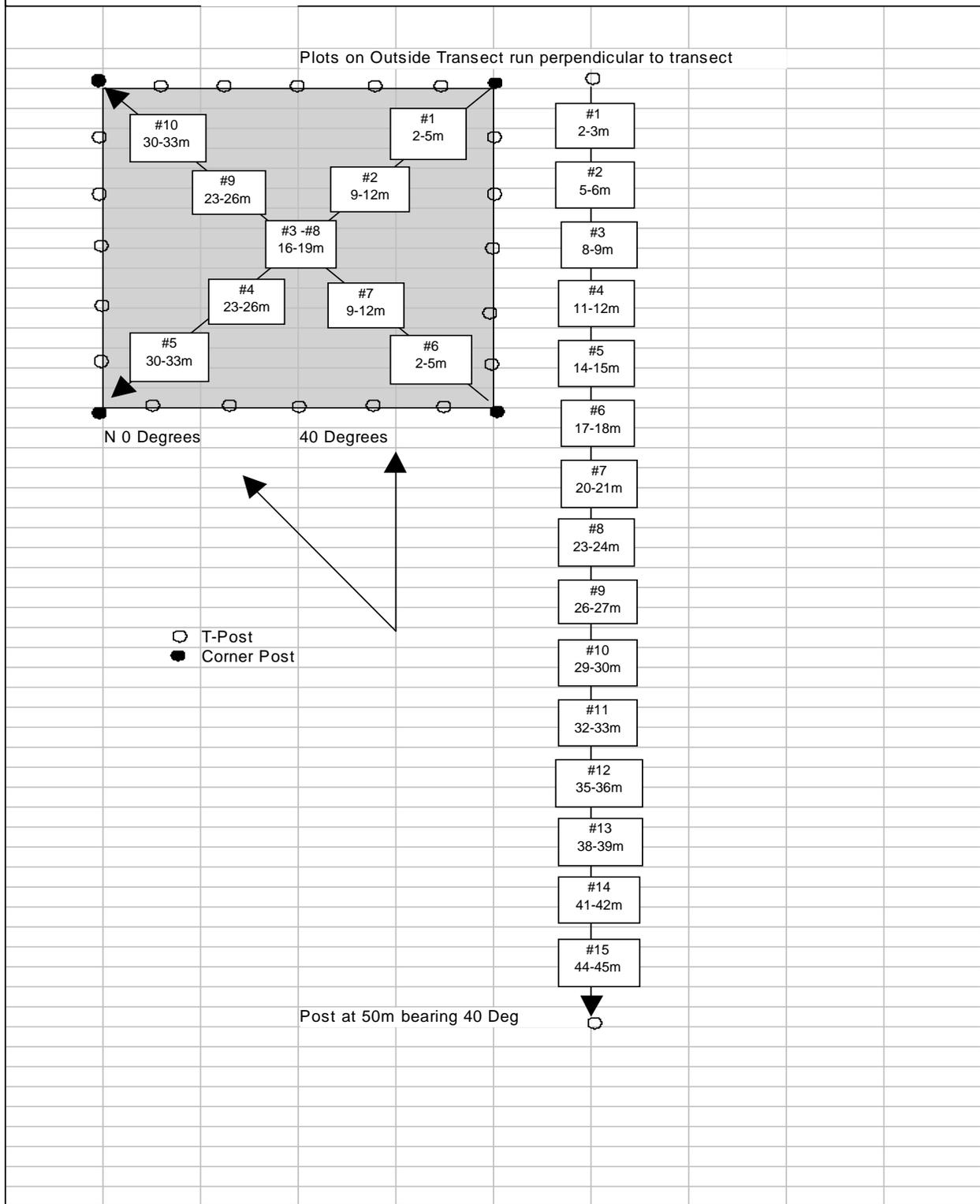
EXCLOSURE 1



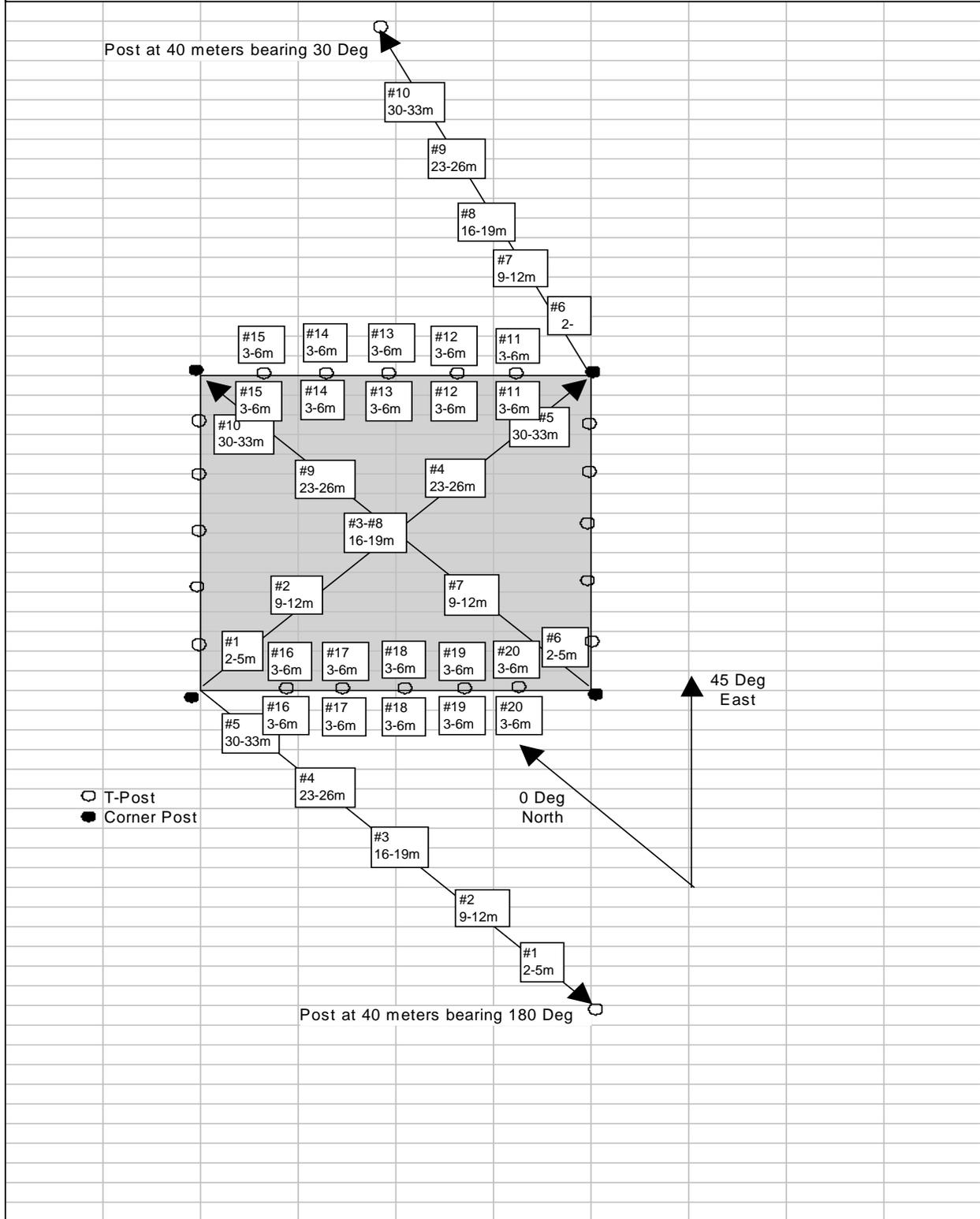
EXCLOSURE 2



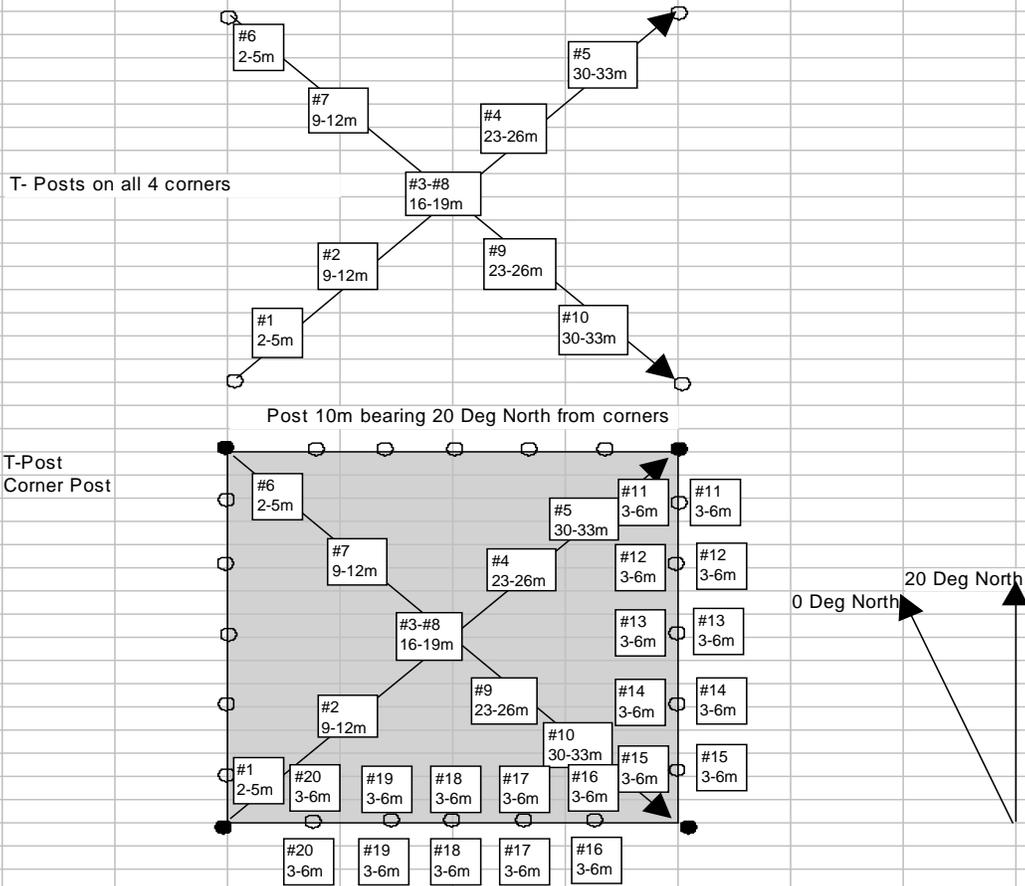
ENCLOSURE 3



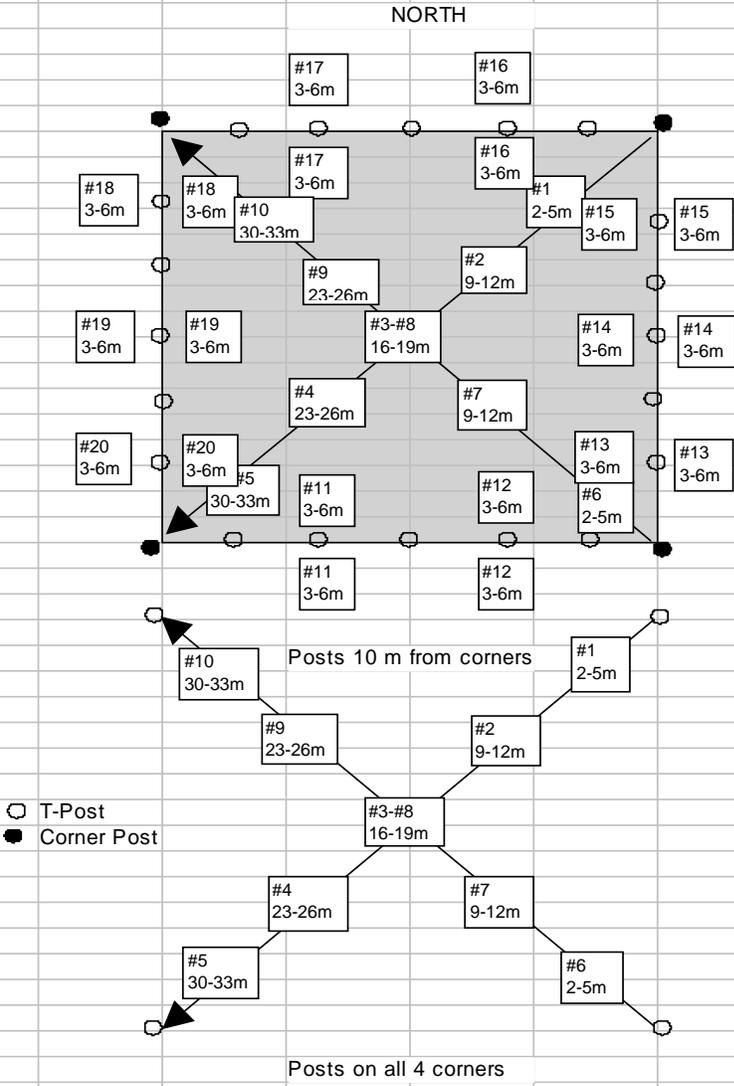
EXCLOSURE 4



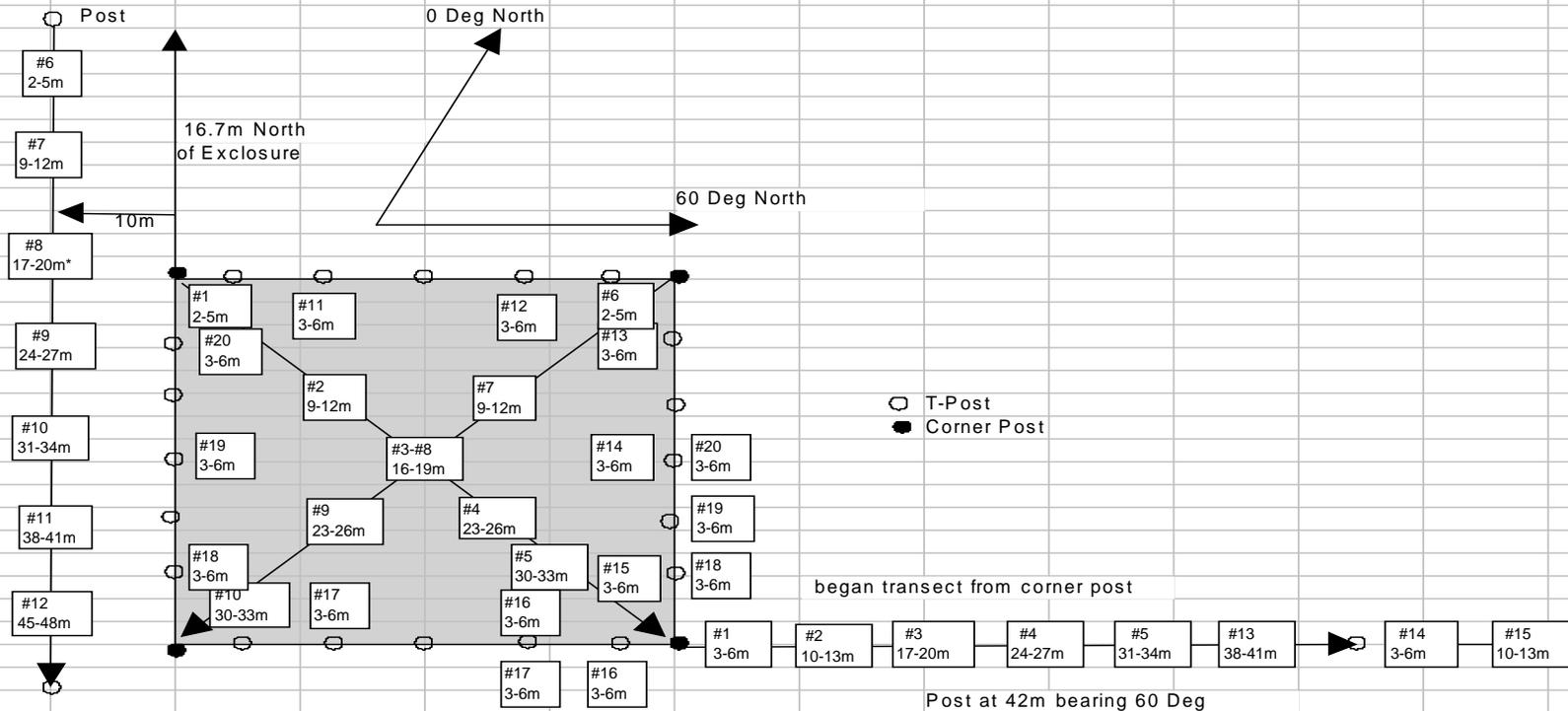
EXCLOSURE 5



EXCLOSURE 6



EXCLOSURE 7



* note moved extra meter at OT#8 to avoid disturbed area

ELEPHANT BUTTE RESERVOIR

APPENDIX B

Photo Stations

Station 1
Outside Exclosure 7



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007



Station 2
Inside Exclosure 7



August 1997



May 1998



November 1999



November 2000

No photo available

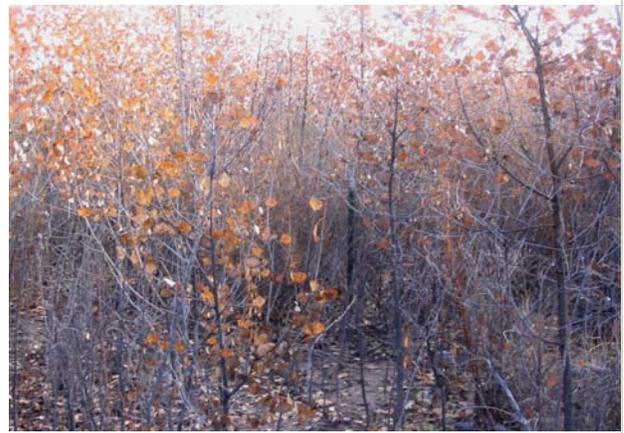
November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007



Station 3
Outside Exclosure 7



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



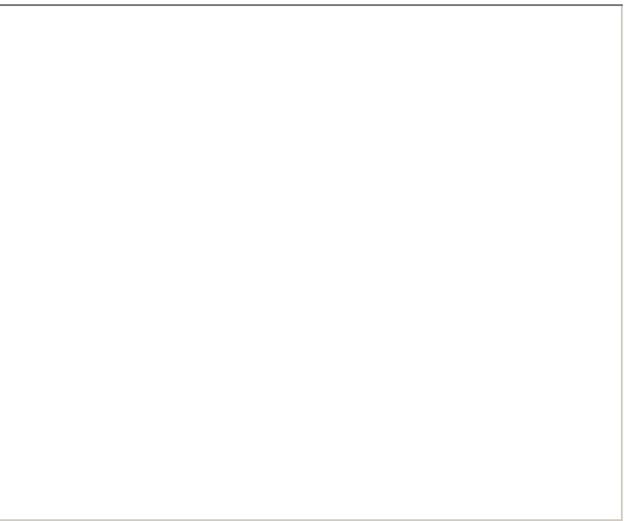
November 2005



November 2006



November 2007



Station 4
Backwater Area Near Dryland Road



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



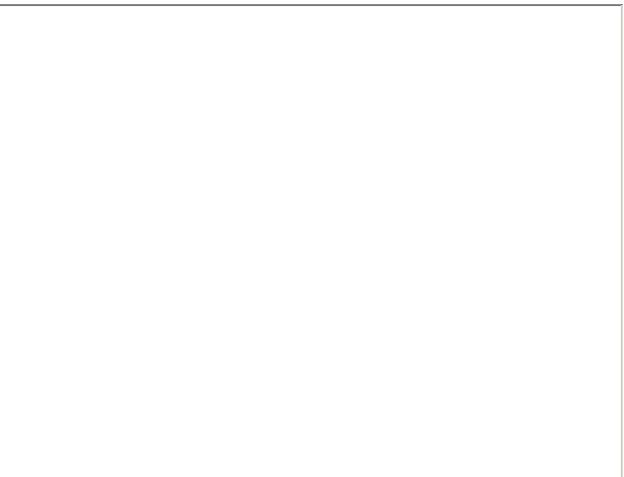
November 2005



November 2006



November 2007



Station 5
Outside Exclosure 3



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



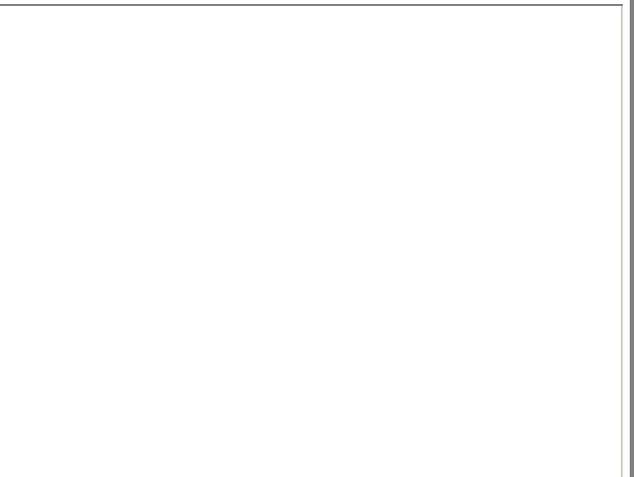
November 2005



November 2006



November 2007



Station 6
Inside Exclosure 3



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



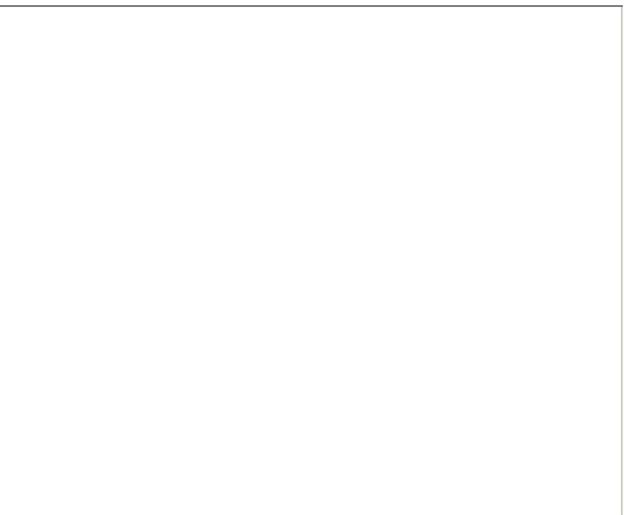
November 2005



November 2006



November 2007



Station 7
Herbaceous Vegetation Near Fort Craig



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



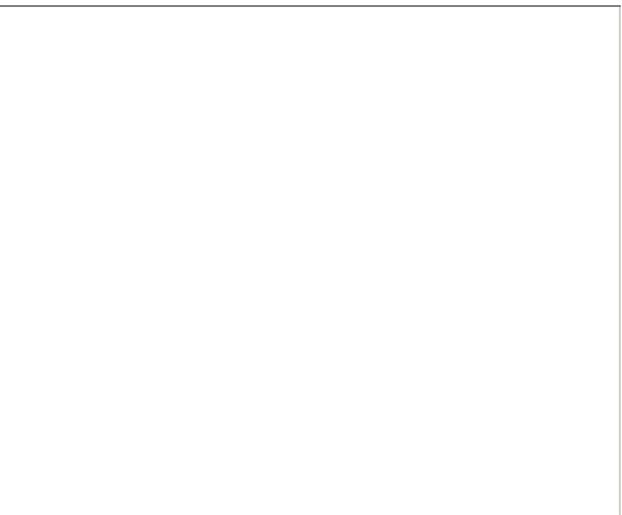
November 2005



November 2006



November 2007



Station 8
Herbaceous Vegetation Near Fort Craig



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007



Station 9
Developing Cottonwood Near Railroad Bridge



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



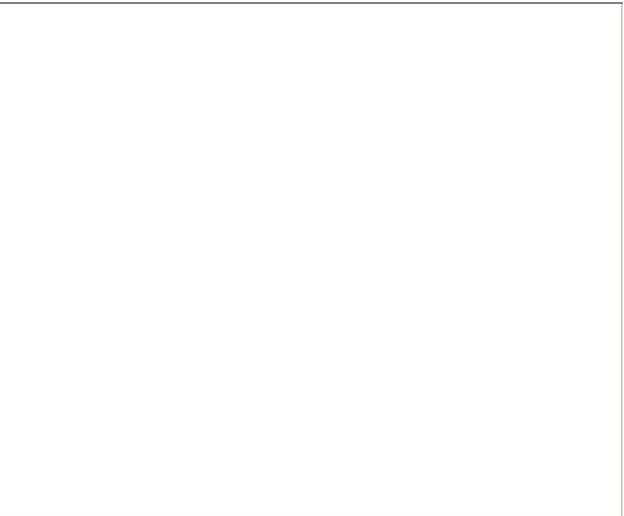
November 2005



November 2006



November 2007



Station 10
Outside Exclosure 1



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



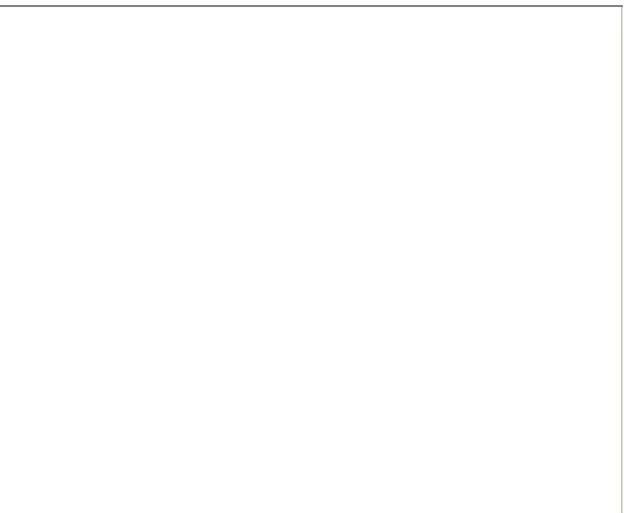
November 2005



November 2006



November 2007



Station 11
Inside Exclosure 1



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



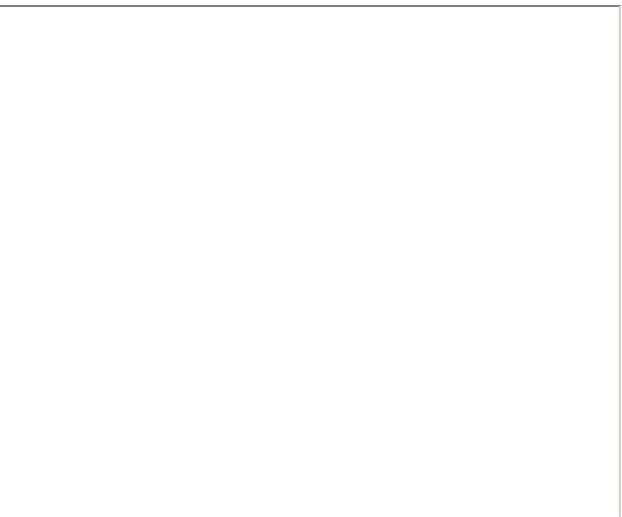
November 2005



November 2006



November 2007



Station 12
Outside Exclosure 1



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



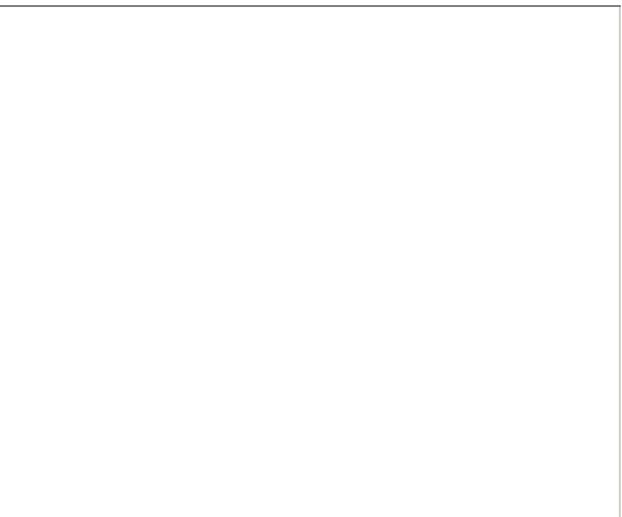
November 2005



November 2006



November 2007



Station 13
Outside Exclosure 2



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



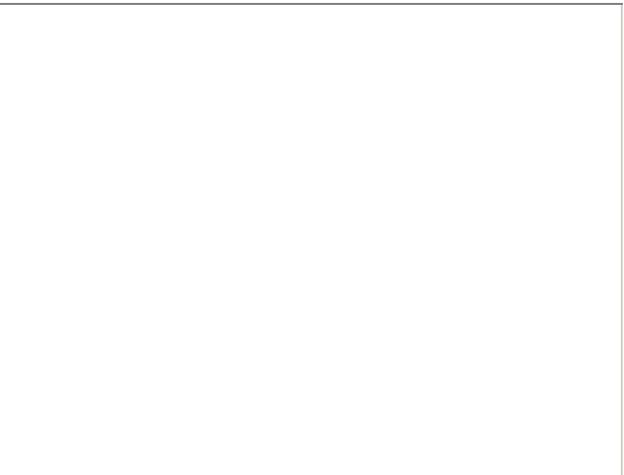
November 2005



November 2006



November 2007



Station 13A
Outside Exclosure 2



November 1997

Photo not available

May 1998



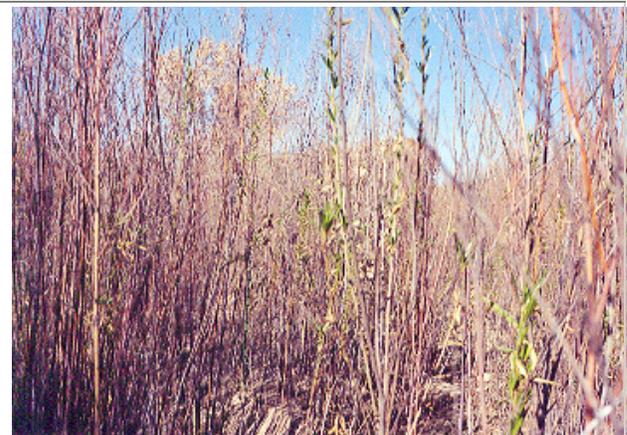
November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007



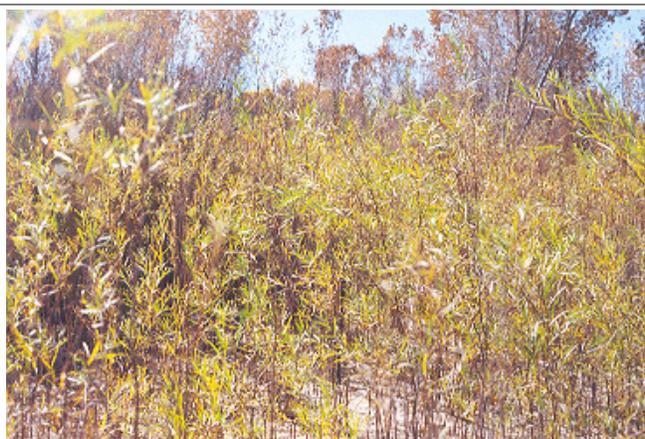
Station 14
Inside Exclosure 2



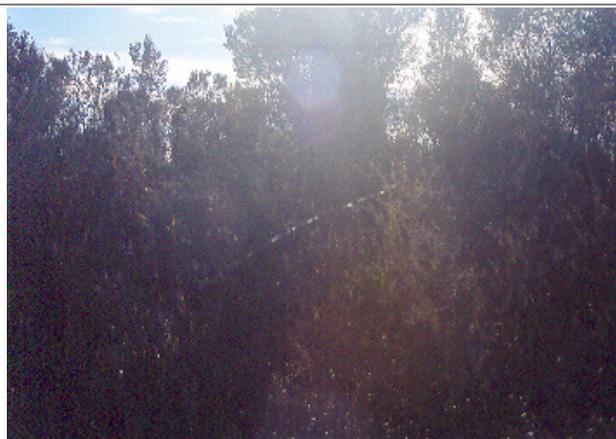
August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



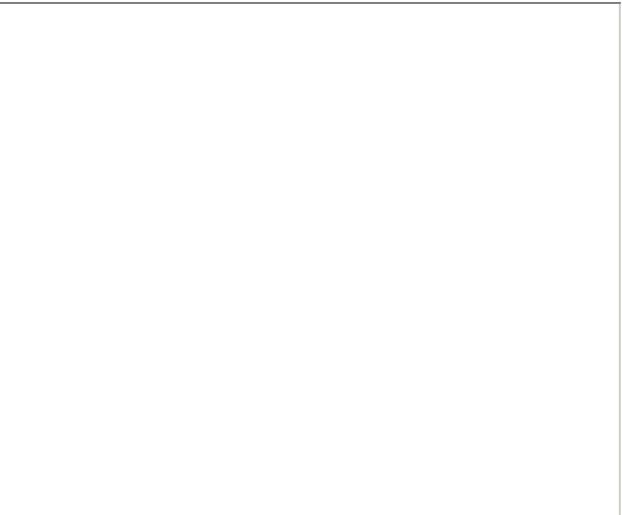
November 2005



November 2006



November 2007



Station 15
Native Seedlings Outside Exclosure 2



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



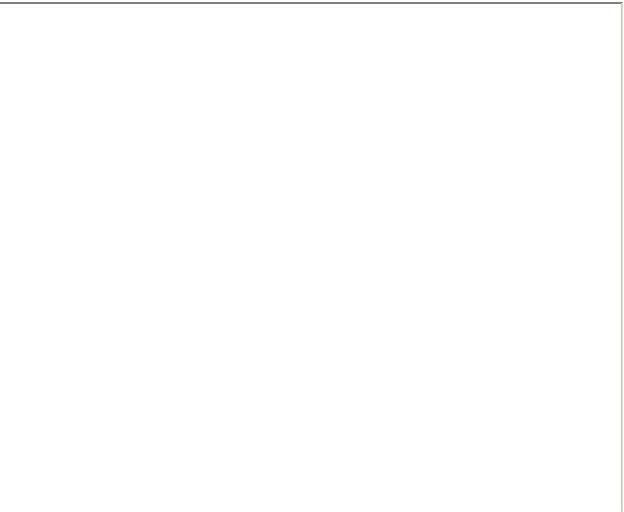
November 2005



November 2006



November 2007



Station 16
San Marcial/Fort Craig Berm



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007



Station 17
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



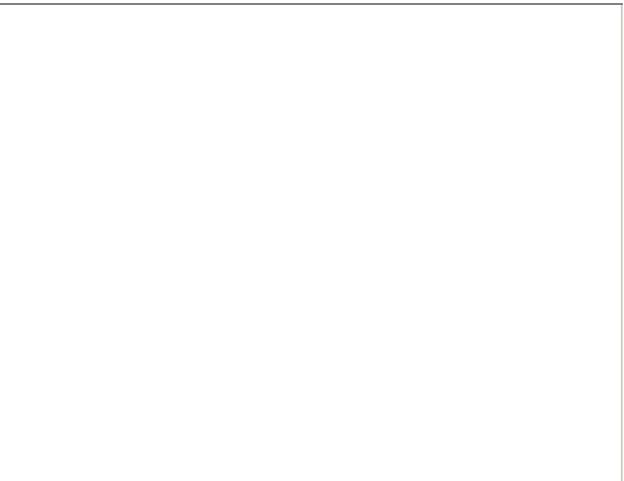
November 2005



November 2006



November 2007



Station 18
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



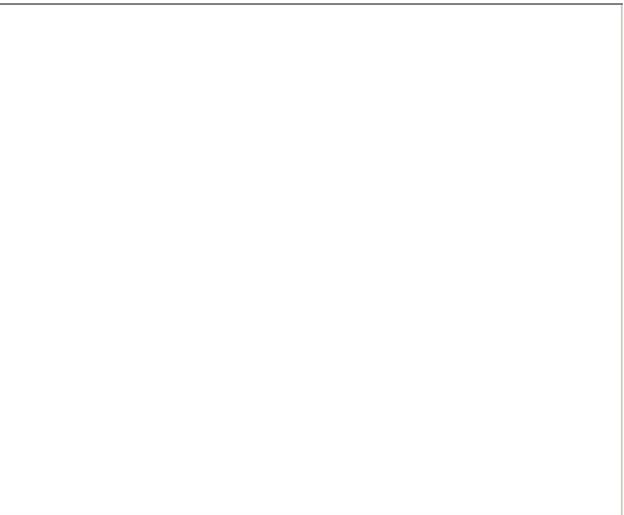
November 2005



November 2006



November 2007



Station 19
Developing Coyote Willow



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



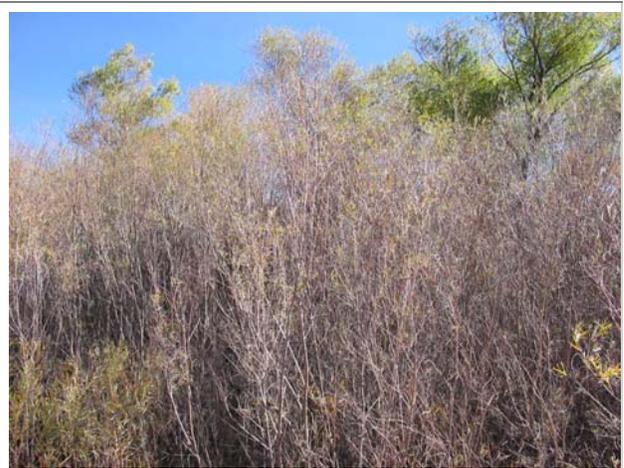
November 2003



November 2004



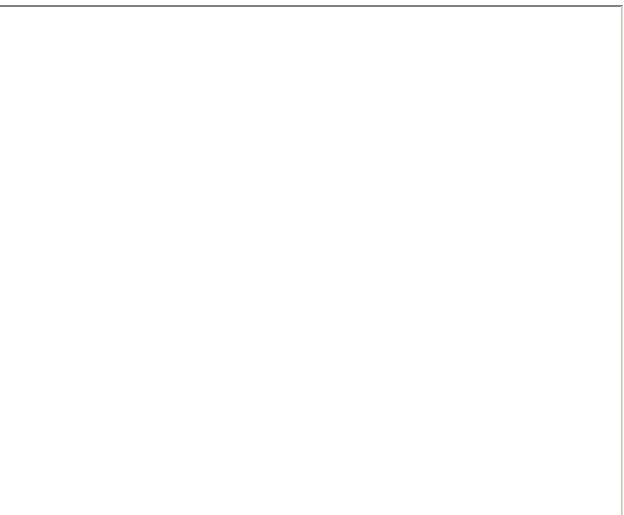
November 2005



November 2006



November 2007



Station 20
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



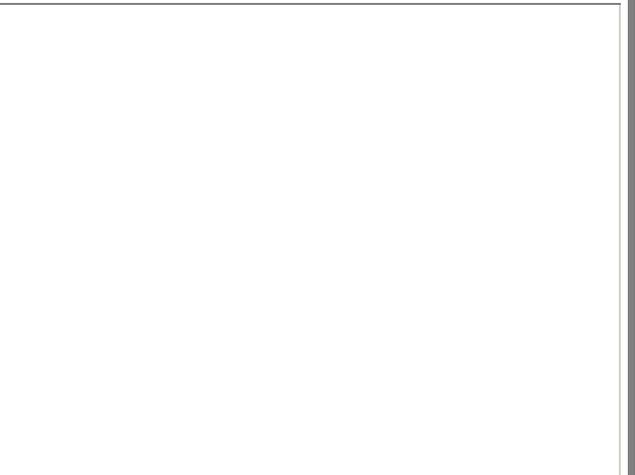
November 2005



November 2006



November 2007



Station 21
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



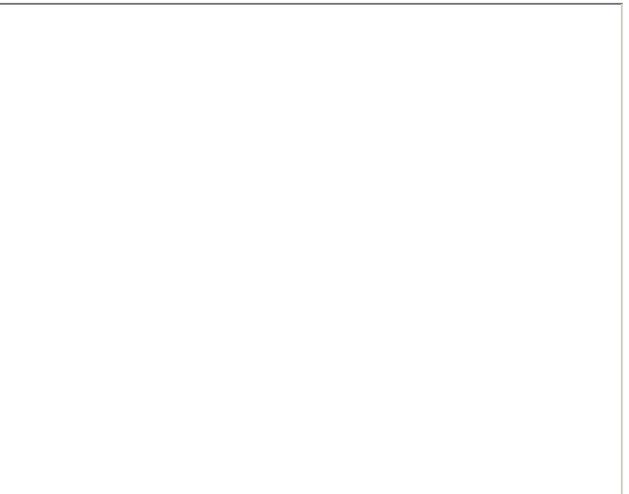
November 2005



November 2006



November 2007



Station 22
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007

Station 23
Outside Exclosure 4



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



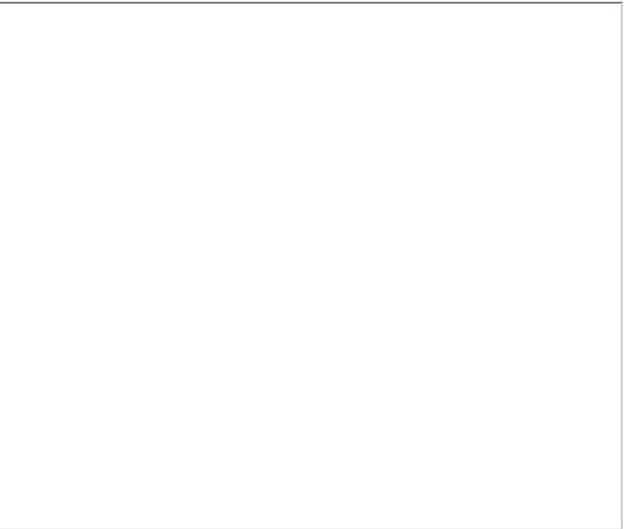
November 2005



November 2006



November 2007



Station 24
Inside Exclosure 4



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



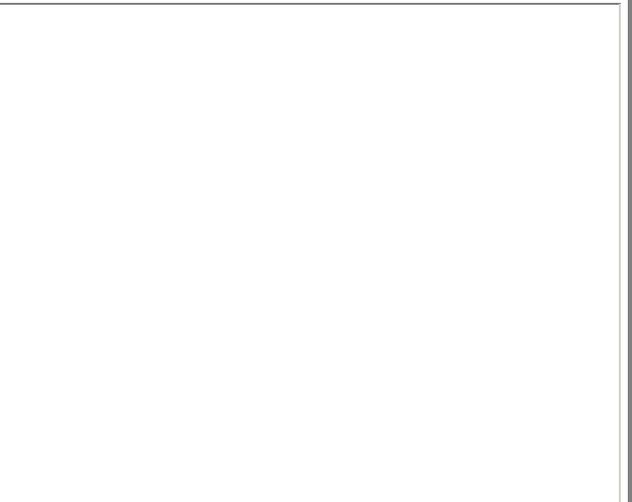
November 2005



November 2006



November 2007



Station 25
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



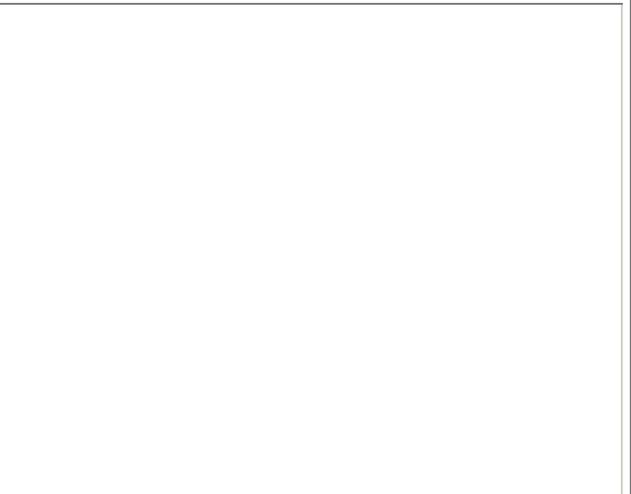
November 2005



November 2006



November 2007



Station 26
Developing Coyote Willow



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



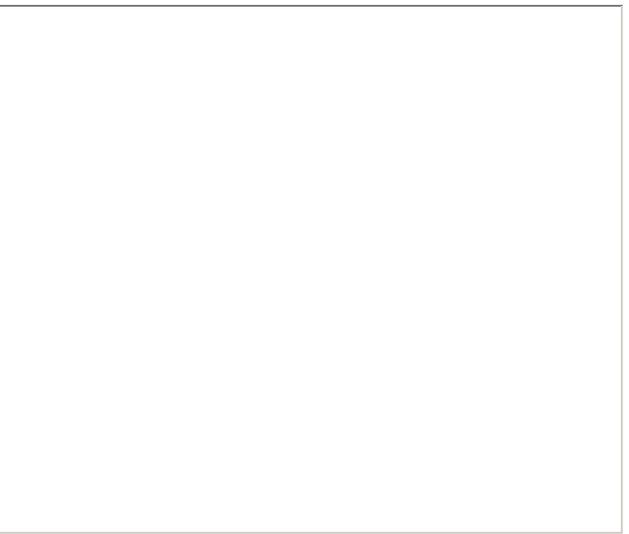
November 2005



November 2006



November 2007



Station 27
Outside Exclosure 5



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



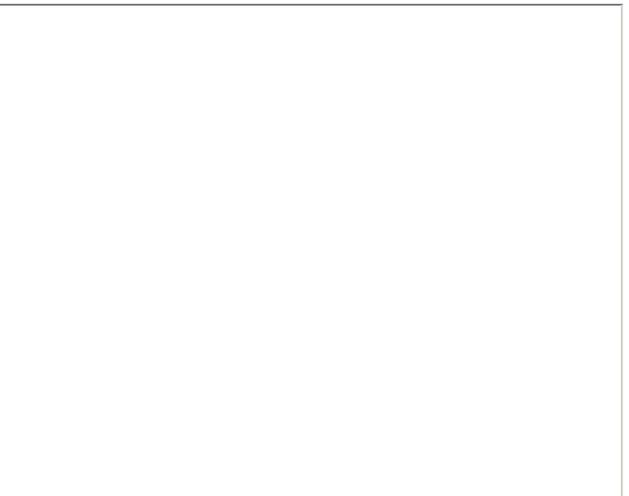
November 2005



November 2006



November 2007



Station 28
Outside Exclosure 6



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



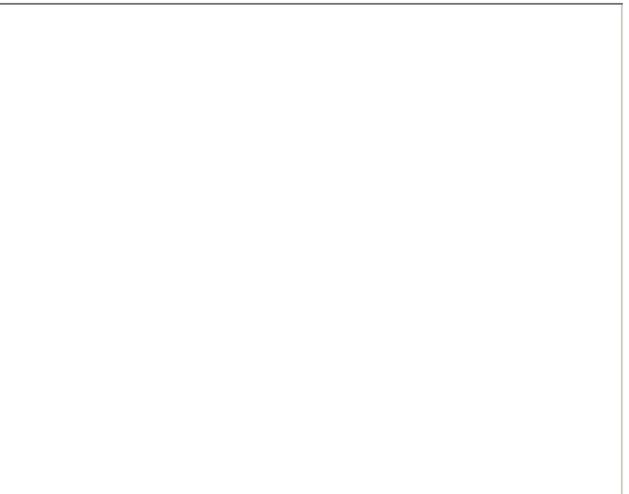
November 2005



November 2006



November 2007



Station 29
Inside Exclosure 6



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



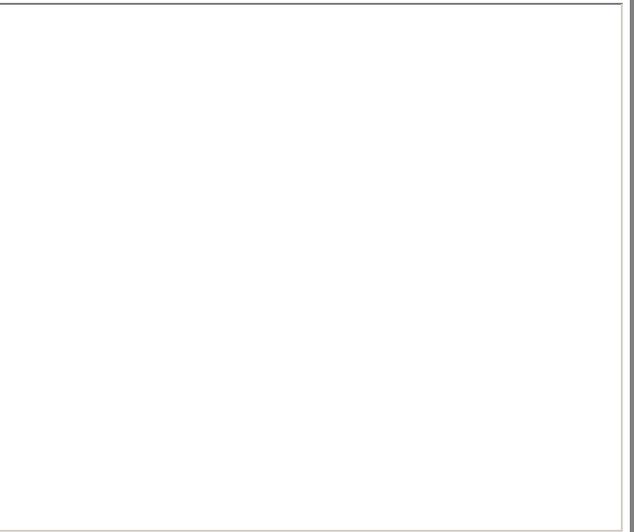
November 2005



November 2006



November 2007



Station 30
Inside Exclosure 5



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



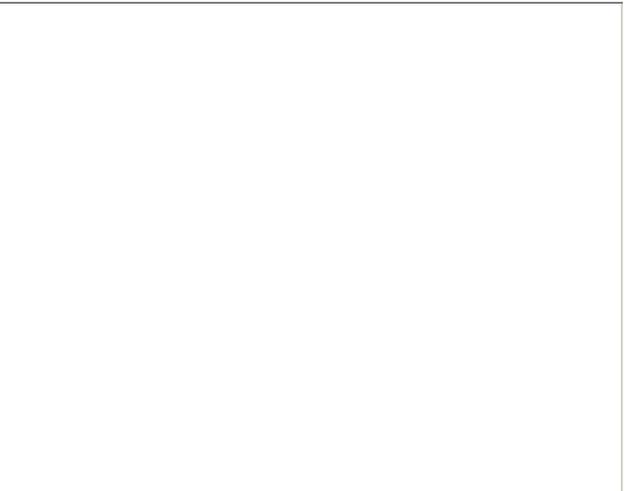
November 2005



November 2006



November 2007



Station 31
Developing Native Seedlings



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



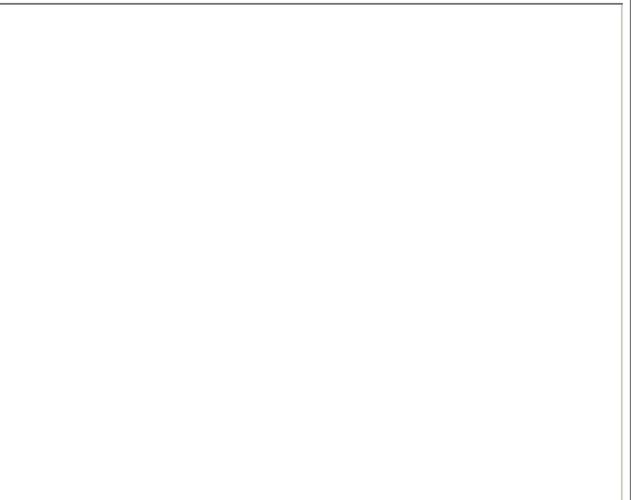
November 2005



November 2006



November 2007



Station 32
Mature Disturbance Station



August 1997

Photo not available

May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



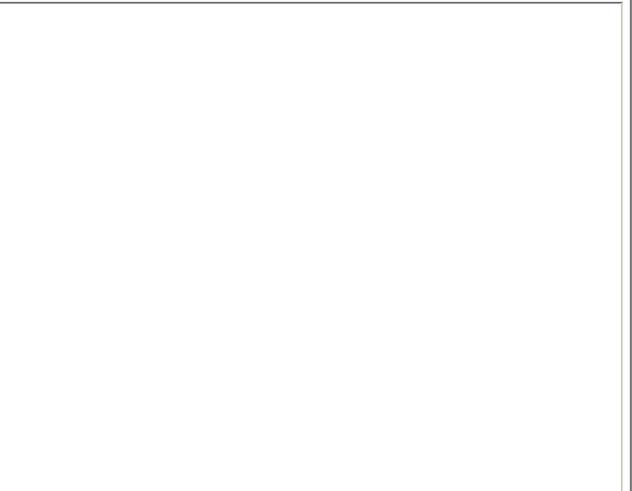
November 2005



November 2006



November 2007



Station 33
Mature Disturbance Station



August 1997



May 1998



November 1999



November 2000



November 2001



November 2002



November 2003



November 2004



November 2005



November 2006



November 2007