



Report of Work Completed at Devil's Postpile National Monument July 26- August 1, 2006

**Prepared by Daniel Boughter, CaEPMT Team Leader
and Bobbi Simpson, CaEPMT Liaison**

Project Overview

This was the first California Exotic Plant Management Team (CaEPMT) project conducted with the assistance of the Sierra Club. Deanna Dulen (Devil's Postpile) and Sarah O'Gara (Sierra Club) coordinated a Sierra Club work trip to the Monument to assist the CaEPMT in nonnative plant inventory and treatment efforts. The project was a great success and all participants gained valuable experience. The CaEPMT learned how to integrate a relatively large group of volunteers with diverse backgrounds into our treatment efforts, while participating Sierra Club members learned about problems caused by nonnative plants, specifically bull thistle (*Cirsium vulgare*), salsify (*Tragopogon dubius*) and cheat grass (*Bromus tectorum*). We also introduced Sierra Club members to nonnative plant survey and treatment techniques. It was rewarding to share our love and knowledge of the area, and inspiring to work with such a dedicated group of people. Sierra Club members were excited each day to get into the field, and were yelling "Bull thistle!" or "Salsify!" whenever they found one. Sarah, Deanna and I have also discussed the possibility of another Sierra Club service trip in conjunction with the CaEPMT to treat nonnative plants in DEPO and other National Parks.

I will be contacting vegetation management staff at Yosemite and Sequoia-King's Canyon to determine if they are interested in hosting a Sierra Club service trip in the future. I believe the blackberry (*Rubus armeniacus*) project at Mirror Lake in Yosemite and the reed canary grass (*Phalaris arundinacea*) project in Sequoia-King's Canyon would be excellent opportunities for a future CaEPMT/ Sierra Club collaboration.

We have made measurable progress towards the reduction of bull thistle and salsify, and may have eradicated mullein from the Monument. Although we have identified and removed mullein from the Monument in the past, we did not identify mullein in any area treated during this cycle. A few areas were not inventoried or treated during this work cycle. Please refer to the follow-up recommendations for more information.

Photodocumentation

No photopoints were established during this treatment cycle. All other photodocumentation will be sent on CD to Devil's Postpile staff.



TW 12_DEPO_Buttrresses_DB,DP,SB_060729.jpg



W 5_DEPO_Rain_Falls_DB_060727.jpg



W 20_DEPO_Alligator_Creek_DB_060730.jpg



W 7_DEPO_Buttrresses_Griding_060728.jpg

Data Summary

All GIS files of areas treated/monitored were sent on CD to Devil's Postpile staff. Treatment and monitoring data was collected via datasheets and has been entered into the EPMT Alien Plant Control and Monitoring database (APCAM). The tables on the following pages reflect the work performed during treatment events in 2006.

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(Area reported in Acres)
(Criteria at end of report)

Flexible Report APCAM Report

California Exotic Plant Management Team

Park DEPO

LocationI DEPO_Alligator_Ck

Date/EventI 7/30/2006 / DEPO_Alligator_Ck_20060730_083000

InfestID	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventory	Monitored	Retreated	Treated
	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	25.540001	0.000000	0.000000
	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	25.540001	0.000000	0.000000
	Lactuca serriola	Monitor	MONITOR	0.000000	0.000000	0.000000	25.540001	0.000000	0.000000
CIVU09	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.077600	0.000000	0.000000
CIVU09	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.077600	0.000388	0.000000	0.000000	0.000388	0.000000
CIVU10	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.174600	0.000000	0.000000
CIVU10	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.174600	0.000873	0.000000	0.000000	0.000873	0.000000
LASE02	Lactuca serriola	Monitor	MONITOR	0.000000	0.000000	0.000000	0.077620	0.000000	0.000000
TRAGI1	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.077620	0.000000	0.000000
TRAGI1	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.077600	0.000388	0.000000	0.000000	0.000388	0.000000
TRAGI2	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.077620	0.000000	0.000000
TRAGI2	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.077620	0.000388	0.000000	0.000000	0.000388	0.000000
Summary for LocationID: DEPO_Alligator_Ck				0.407420	0.002037	0.000000	77.105063	0.002037	0.000000

LocationI DEPO_Buttresses

Date/EventI 7/28/2006 / DEPO_Buttresses_20060728_083000

InfestID	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventory	Monitored	Retreated	Treated
	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	44.279999	0.000000	0.000000
	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	44.279999	0.000000	0.000000
	Lactuca serriola	Monitor	MONITOR	0.000000	0.000000	0.000000	44.279999	0.000000	0.000000
CIVU01	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
CIVU01	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
CIVU02	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000

(Area reported in Acres)
(Criteria at end of report)

Flexible Report

APCAM Report

California Exotic Plant Management Team

Park DEPO

LocationI DEPO_Buttrresses

Date/EventI 7/28/2006 / DEPO_Buttrresses_20060728_083000

InfestID	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventoryied	Monitored	Retreated	Treated
CIVU02	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
CIVU03	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
CIVU03	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
TRAG01	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.000776	0.000000	0.000000
TRAG01	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.000776	0.000004	0.000000	0.000000	0.000004	0.000000
TRAG02	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
TRAG02	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
TRAG03	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
TRAG03	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
TRAG04	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
TRAG04	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
TRAG05	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
TRAG05	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
TRAG05	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
TRAG05	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
TRAG06	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.000776	0.000000	0.000000
TRAG06	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.007800	0.000039	0.000000	0.000000	0.000039	0.000000

Date/EventI 7/29/2006 / DEPO_Buttrresses_20060729_083000

InfestID	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventoryied	Monitored	Retreated	Treated
	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	44.279999	0.000000	0.000000
	Lactuca serriola	Monitor	MONITOR	0.000000	0.000000	0.000000	44.279999	0.000000	0.000000
	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	44.279999	0.000000	0.000000
CIVU04	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.006986	0.000000	0.000000
CIVU04	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.006990	0.000035	0.000000	0.000000	0.000035	0.000000
CIVU05	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000

Friday, September 29, 2006

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(Area reported in Acres)
(Criteria at end of report)

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California Exotic Plant Management Team

Park DEPO

LocationI DEPO_Buttrisses

Date/EventI 7/29/2006 / DEPO_Buttrisses_20060729_083000

InfestID	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventoryied	Monitored	Retreated	Treated
CIVU05	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
CIVU06	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.077620	0.000000	0.000000
CIVU06	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.077620	0.000388	0.000000	0.000000	0.000388	0.000000
CIVU07	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.003104	0.000000	0.000000
CIVU07	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.003100	0.000015	0.000000	0.000000	0.000015	0.000000
CIVU08	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	0.019400	0.000000	0.000000
CIVU08	Cirsium vulgare	Retreatment	PULL/DIG-MANUAL	0.019400	0.000097	0.000000	0.000000	0.000097	0.000000
LASE01	Lactuca serriola	Monitor	MONITOR	0.000000	0.000000	0.000000	0.006986	0.000000	0.000000
LASE01	Lactuca serriola	Retreatment	PULL/DIG-MANUAL	0.006990	0.000035	0.000000	0.000000	0.000035	0.000000
TRAG07	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.006986	0.000000	0.000000
TRAG07	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.006990	0.000035	0.000000	0.000000	0.000035	0.000000
TRAG08	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.006986	0.000000	0.000000
TRAG08	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.006990	0.000035	0.000000	0.000000	0.000035	0.000000
TRAG09	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.006986	0.000000	0.000000
TRAG09	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.006990	0.000035	0.000000	0.000000	0.000035	0.000000
TRAG10	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.077620	0.000000	0.000000
TRAG10	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.077620	0.000388	0.000000	0.000000	0.000388	0.000000
Summary for LocationID: DEPO_Buttrisses				0.395866	0.001979	0.000000	266.068819	0.001979	0.000000

LocationI DEPO_John_Muir_Trail

Date/EventI 7/31/2006 / DEPO_John_Muir_Trail_20060731_080000

InfestID	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventoryied	Monitored	Retreated	Treated
	Verbascum thapsus	Monitor	MONITOR	0.000000	0.000000	0.000000	77.269997	0.000000	0.000000

(Area reported in Acres)
(Criteria at end of report)

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California Exotic Plant Management Team

Park DEPO

LocationI DEPO_John_Muir_Trail

Date/EventI 7/31/2006 / DEPO_John_Muir_Trail_20060731_080000

InfestID				EventID Prsn Hrs 47							
	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventoryied	Monitored	Retreated	Treated		
	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	77.269997	0.000000	0.000000		
	Lactuca serriola	Monitor	MONITOR	0.000000	0.000000	0.000000	77.269997	0.000000	0.000000		
	Cirsium vulgare	Monitor	MONITOR	0.000000	0.000000	0.000000	77.269997	0.000000	0.000000		
	Summary for LocationID: DEPO_John_Muir_Trail			0.000000	0.000000	0.000000	309.079987	0.000000	0.000000		

LocationI DEPO_Rainbow_Falls

c Date/EventI 7/27/2006 / DEPO_Rainbow_Falls_20060727_103000

InfestID				EventID Prsn Hrs 119							
	Taxon	Action	Treatment	GrossInfested	Net Infested	Inventoryied	Monitored	Retreated	Treated		
TRAG01	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	35.980000	0.000000	0.000000		
TRAG01	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.003104	0.000000	0.000000		
TRAG02	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.003100	0.000015	0.000000	0.000000	0.000015	0.000000		
TRAG02	Tragopogon dubius	Monitor	MONITOR	0.000000	0.000000	0.000000	0.003104	0.000000	0.000000		
	Tragopogon dubius	Retreatment	PULL/DIG-MANUAL	0.003100	0.000015	0.000000	0.000000	0.000015	0.000000		
	Summary for LocationID: DEPO_Rainbow_Falls			0.006200	0.000031	0.000000	35.986208	0.000031	0.000000		

Summary for Park: DEPO

0.809486	0.004047	0.000000	688.240076	0.004047	0.000000		
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Grand Total

0.809486	0.004047	0.000000	688.240076	0.004047	0.000000		
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Follow-up Summary

Site Name:	Species:	Description of Follow-up Work Needed:	35mm/Digital Photos	Park to fill out datasheets?	Target Date to be completed
Rainbow Falls ¹	<i>Cirsium vulgare</i> , <i>Tragopogon dubius</i> , <i>Bromus tectorum</i>	Locate <i>Bromus</i> infestation and photograph. Remove population (see below). Seed area with native perennial grasses.	Digital photos, GPS location for future repeat photos.	Yes	September 30, 2006
Corral at Red's Meadow	<i>Bromus tectorum</i>	Monitor area for <i>B. tectorum</i> . If located, treat the same way as the Rainbow Falls infestation.	Digital photos, GPS location for future repeat photos.	Yes	September 30, 2006
The Buttresses, Alligator Creek ²	<i>Cirsium vulgare</i> , <i>Tragopogon dubius</i>	Monitor/treat between the Buttresses and Alligator creek inventoried areas. Remove all plants found, GPS all infestations.	none necessary	Yes	September 30, 2006
The Buttresses ³	<i>Cirsium vulgare</i> , <i>Tragopogon dubius</i>	Monitor terraces on eastern side of The Buttresses. Remove all plants found, GPS all infestations.	none necessary	Yes	September 30, 2006
Deanna's Pond ⁴	<i>Cirsium vulgare</i> , <i>Tragopogon dubius</i>	Remove remaining <i>C. vulgare</i> before end of season.	none necessary	Yes	September 30, 2006

¹The cheat grass infestation at Red's Meadow Corral and Rainbow Falls should be located, GPSed and photographed. The infestation should be treated if it has not set seed. If it has set seed, collect any remaining seed on the plants and make sure the site is visited regularly in spring/summer 2007 (minimum of monthly). Remove the infestation before seed set next year. Please complete datasheets and fax to 415-669-1308 and post GPS data to the CaEPMT ftp site (with e-mail notification to Bobbi Simpson and Andrew Georgeades.

^{2,3}The area between the Buttresses and Alligator Creek sites should be monitored by SCA interns for infestations of bull thistle and salsify before the end of the season, preferably before the end of September. Additionally, the area between the Buttresses and San Joaquin Meadow sites should also be monitored before the end of September. All plants should be hand-pulled or cut below the root crown, and mature seedheads should be cut, bagged and removed from the site. The sooner the areas are inventoried, the fewer seedheads will mature. If these areas can't be inventoried by the end of August, they should be inventoried before the monument closes for the winter.

⁴The pond identified by Deanna Dulen (Deanna's Pond) to be infested with bull thistle should be re-treated before the Monument closes for the season. Sierra Club members removed all bolting plants and the majority of rosettes, but some rosettes still remain. These plants will not bolt this season (bull thistle is a biennial), but should still be removed before the Monument closes this fall.

As discussed with the CaEPMT Liaison, we feel the exotic plant populations in DEPO have been reduced to the maintenance level over the past five years of treatment by the CaEMPT and DEPO staff. We feel infestations identified by the CaEPMT can be monitored by DEPO supplied volunteers and/or Student Conservation Association interns with similar types of monitoring and retreatment. The CaEPMT can be available as needed (every few years) for more in-depth monitoring/retreatment. If an invasive threat is identified that would require rapid response, we will do our best to accommodate DEPO in a timely fashion. In most cases, we can respond to new high-priority infestations within one calendar year. We appreciate your support of our program and your willingness to recruit and sustain a strong volunteer/intern program.

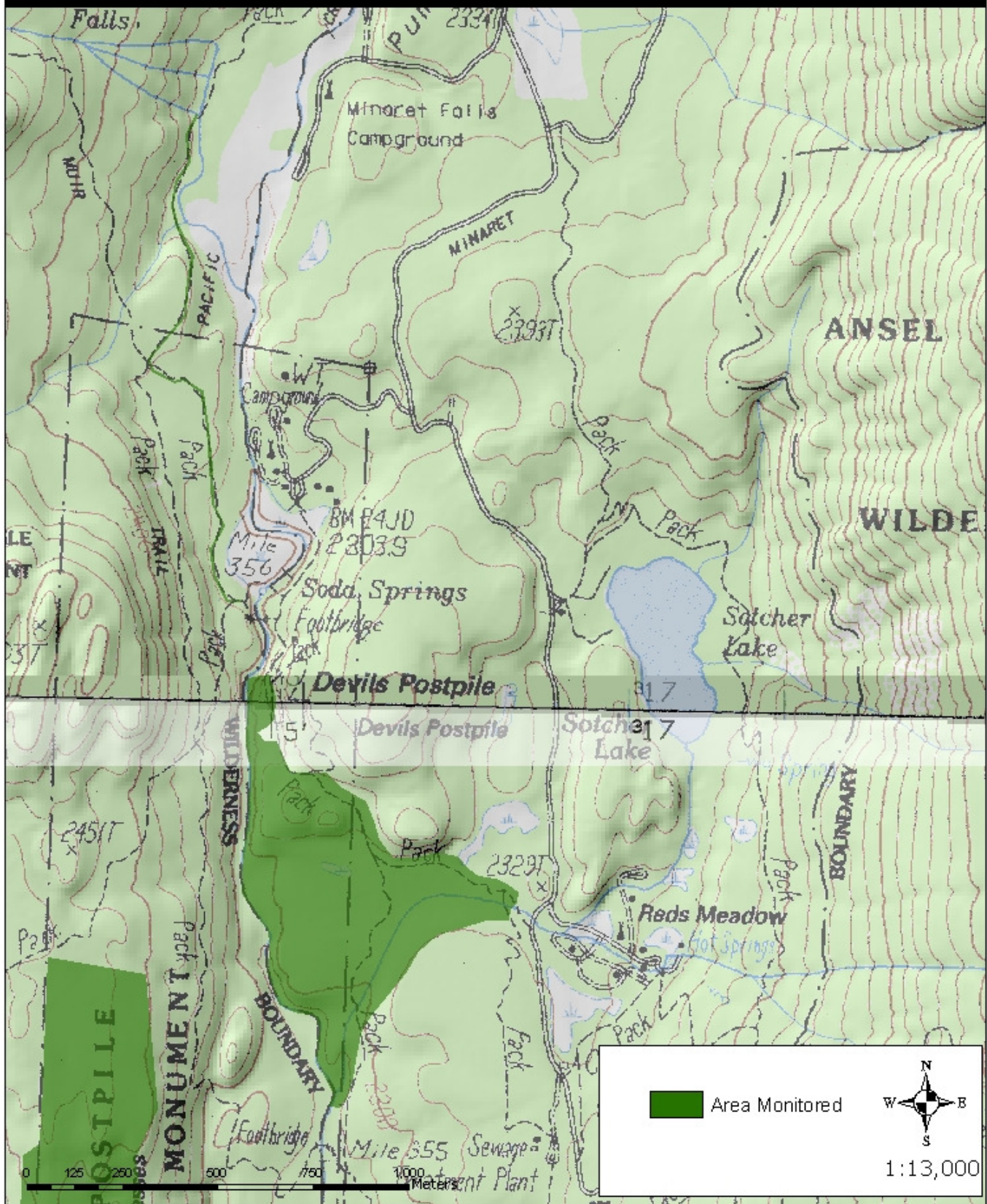
National Park Service
U.S. Department of the Interior



The Buttresses and Alligator Creek

CAEPMT, July 2006

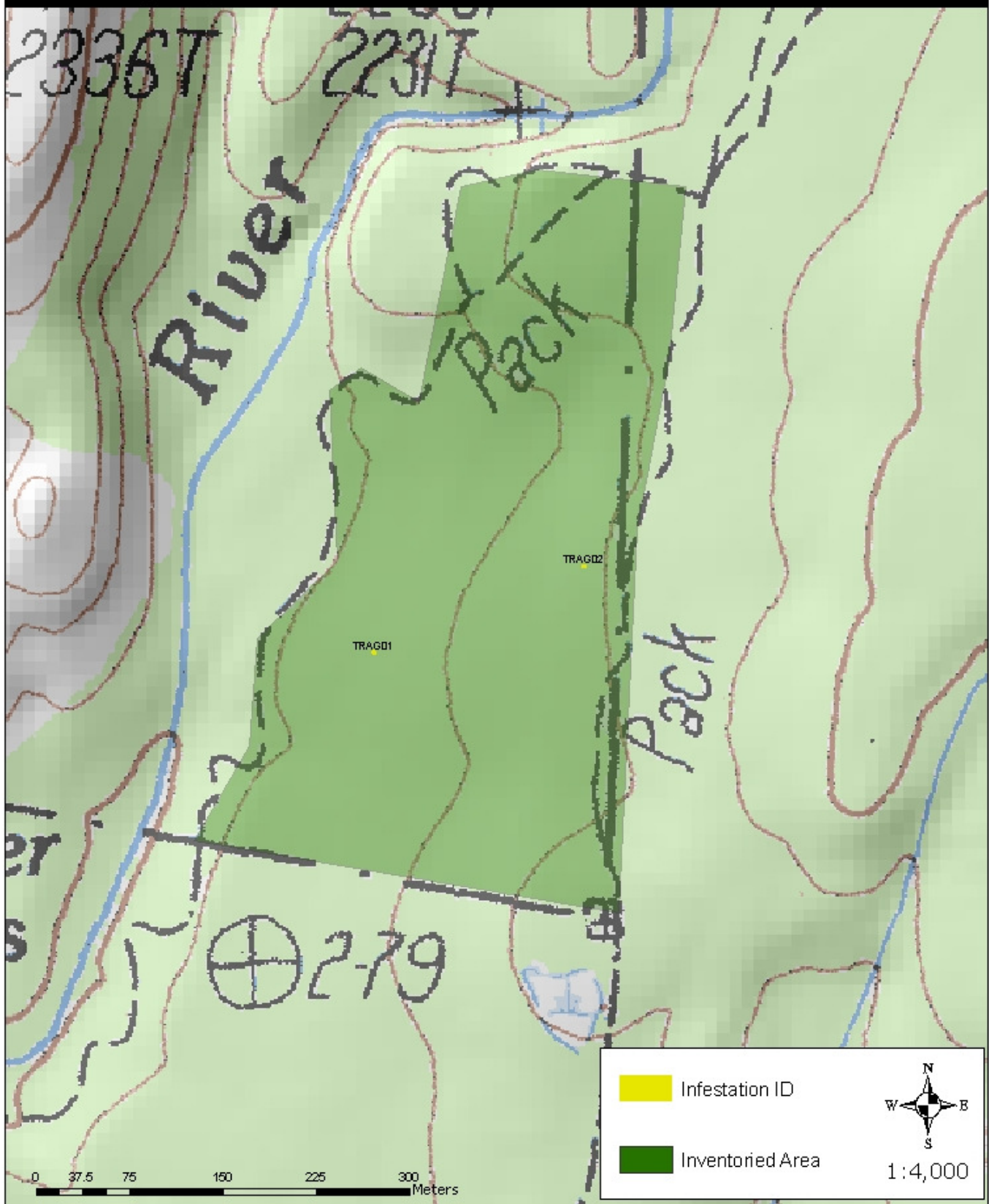
National Park Service
U.S. Department of the Interior



Rainbow Falls

CAEPMT, July 2006

National Park Service
U.S. Department of the Interior



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Attribute Table for GIS shapefile 'DEPO_fall06''

LocationID	InfestID	Acres	Taxon	Co Na BufferM Class	ver tiv ss Cv	Action	Treatment	UTM_Zone	UTM_Datum	DataSource	Remarks	Date	StartTime	Area	X	Y	
DEPO_ALLIGATOR_CREEK	civu09	0.0776	Cirsium vulgare	T	0	10.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	1 plant	7/30/2006	05:03:00pm	314.1507	315264.90	4165054.38
DEPO_ALLIGATOR_CREEK	civu10	0.1747	Cirsium vulgare	T	0	15.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	8 plants	7/30/2006	05:12:17pm	706.8455	315238.17	4165198.16
DEPO_ALLIGATOR_CREEK	lase02	0.0776	Lactuca serriola	T	0	10.0Treatment	Other	11	NAD 1983	Conus	CAEPMT	not treated	7/30/2006	04:22:12pm	314.1507	315236.93	4164536.36
DEPO_ALLIGATOR_CREEK	trag11	0.0776	Tragopogon dubius	T	0	10.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	4 plants	7/30/2006	03:48:17pm	314.1507	315292.87	4164130.66
DEPO_ALLIGATOR_CREEK	trag12	0.0776	Tragopogon dubius	T	0	10.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	10 plants	7/30/2006	05:23:43pm	314.1507	315239.15	4165243.09
DEPO_ALLIGATOR_CREEK		25.5362		0	0.0Monitored			11	NAD 1983	Conus	CAEPMT	area inventoried, digitized AG	8/16/2006		103341.1974	315279.13	4164452.06
DEPO_BUTTRESSES	CIVU01	0.0194	Cirsium vulgare	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	2 plants	7/28/2006	11:21:47am	78.5355	315411.61	4165026.26
DEPO_BUTTRESSES	CIVU02	0.0194	Cirsium vulgare	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	5 plants	7/28/2006	11:33:29am	78.5355	315334.82	4164946.22
DEPO_BUTTRESSES	CIVU03	0.0194	Cirsium vulgare	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	15 plants	7/28/2006	02:40:23pm	78.5355	315432.57	4164964.46
DEPO_BUTTRESSES	CIVU04	0.0070	Cirsium vulgare	T	0	3.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	15 plants	7/29/2006	09:19:53am	28.2718	315541.63	4165146.24
DEPO_BUTTRESSES	civu05	0.0194	Cirsium vulgare	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	20 plants	7/29/2006	11:16:53am	78.5355	315539.74	4164408.00
DEPO_BUTTRESSES	civu06	0.0776	Cirsium vulgare	T	0	10.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	50 plants mature, 1st trmnt	7/29/2006	01:24:55pm	314.1507	315652.91	4164625.07
DEPO_BUTTRESSES	CIVU07	0.0031	Cirsium vulgare	T	0	2.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	4 rosettes	7/29/2006	03:04:38pm	12.5647	315427.85	4164988.56
DEPO_BUTTRESSES	CIVU08	0.0194	Cirsium vulgare	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	25 plants mature, 1st trmnt?	7/29/2006	03:29:31pm	78.5355	315566.94	4165041.86
DEPO_BUTTRESSES	lase01	0.0070	Lactuca serriola	T	0	3.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	5plants	7/29/2006	02:50:09pm	28.2718	315487.92	4164930.15
DEPO_BUTTRESSES	TRAG01	0.0008	Tragopogon dubius	T	0	1.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT		7/28/2006	10:09:57am	3.1407	315614.99	4165307.18
DEPO_BUTTRESSES	TRAG02	0.0194	Tragopogon dubius	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	12 plants	7/28/2006	11:48:22am	78.5355	315357.09	4164858.12
DEPO_BUTTRESSES	TRAG03	0.0194	Tragopogon dubius	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	12 plants	7/28/2006	12:52:47pm	78.5355	315430.81	4164685.46
DEPO_BUTTRESSES	TRAG04	0.0194	Tragopogon dubius	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	12 plants	7/28/2006	01:15:25pm	78.5355	315446.52	4164609.38
DEPO_BUTTRESSES	TRAG05	0.0194	Tragopogon dubius	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	50 plants, civu (20) also	7/28/2006	01:55:36pm	78.5355	315490.85	4164608.98
DEPO_BUTTRESSES	TRAG06	0.0008	Tragopogon dubius	T	0	1.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	5 plants	7/28/2006	02:22:52pm	3.1407	315487.13	4164825.91
DEPO_BUTTRESSES	trag07	0.0070	Tragopogon dubius	T	0	3.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	10 plants	7/29/2006	10:00:39am	28.2718	315507.90	4164802.92
DEPO_BUTTRESSES	trag08	0.0070	Tragopogon dubius	T	0	3.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	6 plants	7/29/2006	10:28:08am	28.2718	315568.26	4164554.24
DEPO_BUTTRESSES	trag09	0.0070	Tragopogon dubius	1	0	3.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	20 plants	7/29/2006	10:32:24am	28.2718	315547.83	4164541.19
DEPO_BUTTRESSES	trag10	0.0776	Tragopogon dubius	1	0	10.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	50 plants mature, 2 civu also	7/29/2006	11:43:54am	314.1507	315639.13	4164443.49
DEPO_BUTTRESSES		88.5599		0	0.0Monitored			11	NAD 1983	Conus	CAEPMT	area inventoried, digitized AG	8/16/2006		358389.1048	315521.73	4164933.91
DEPO_JOHN_MUIR_TRAIL		1.4842		0	0.0Monitored			11	NAD 1983	Conus	CAEPMT	area inventoried, digitized AG	8/16/2006		6006.2914	315776.26	4167138.02
DEPO_JOHN_MUIR_TRAIL		75.7990		0	0.0Monitored			11	NAD 1983	Conus	CAEPMT	area inventoried, digitized AG	7/31/2006		306747.8607	316164.27	4165739.20
DEPO_RAINBOW_FALLS	TRAG01	0.0031	Tragopogon dubius	T	0	2.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	10 plants	7/27/2006	03:14:20pm	12.5647	315892.61	4163247.02
DEPO_RAINBOW_FALLS	TRAG02	0.0031	Tragopogon dubius	T	0	2.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	7 plants	7/27/2006	04:10:22pm	12.5647	316061.98	4163316.59
DEPO_RAINBOW_FALLS		35.9795		0	0.0Monitored			11	NAD 1983	Conus	CAEPMT	area inventoried, digitized AG	8/16/2006		145603.9422	315978.35	4163316.04
DEPO_RAINBOW_FALLS		0.0194	Cirsium vulgare	T	0	5.0Treatment	PULL/DIG-MANUAL	11	NAD 1983	Conus	CAEPMT	campsite	7/29/2006	05:54:39pm	78.5397	315944.33	4166952.57

