

EXOTIC ERADICATION CENTRAL

GENERAL LOCATION	EXOTICS SITE #	# PERSON & TIME	PLANT TYPE	EQUIPMENT NEEDED
Fairyland Point	SAIB-007	1 person/ 1 hr	85 plant removed 1998	hand pull/gloves
Rainbow Gate	BRTE-001	2 person/	more to pull	hand pull/gloves
	TRDU-002	0.5-1 day	15m x 15m	hand pull/gloves
	BRTE-003		more to pull	hand pull/gloves
	BRTE-005		15' x 2'	hand pull/gloves
	BRTE-004		10' x 10'	hand pull/gloves
Bindweed	COAR-002 (Sunrise)	2 person/	check for plants	2,4-D
	COAR-006 (VC bldg)	0.5-1 day	check for plants	
	COAR-010 (Rainbow Gate)		check for plants	
	COAR-015 (Bryce Pt)		finish spraying	
	COAR-003 (milepost 9)		check for plants	
Maint Area	VEBR	1 person/ 1 hour	needs mapping	

OTHER PROJECTS

Boundary mapping			
South/East Boundary	2 person/ 2 day	GPS/map/press/trowel/plant book	
North/East Boundary	4-5 person/ 1 day	GPS/map/press/trowel/plant book	
Small Mammal Trapping	4 person/ 2 day Tues 9-7-99 and Fri 9-10 or Sat 9-11	Compass/traps/tapes/cotton/bait/GPS	
Tree Pickup	1 person/ 1 day		

EXOTIC ERADICATION EAST & SOUTH

GENERAL LOCATION	EXOTICS SITE #	# PERSON & TIME	PLANT TYPE	EQUIPMENT NEEDED
Top of Dump	SAIB-004-TC	3-4 persons/	50 plant removed 1998	hand pull/gloves
Tropic Ditch	ELAN-004	1 day/ move	1 tree- 6' tall/0.75"	saw/herbicide
Jolley Hollow	TARA-001	thru sites	1 tree- 1"	saw/herbicide
Tropic Canyon	TARA-002		3 tree < 0.5"	saw/herbicide
Tropic Canyon	TARA-003		1 tree < 1"	saw/herbicide
Tropic Ditch	ELAN-005		1 tree- 3' tall/1"	saw/herbicide
Glory Cove	ELAN-002		7 tree- 2-6"	saw/herbicide
Tropic Ditch	CIVU-008		20 plant removed 1998	pulaski/bags/clipper
Tropic Ditch	ELAN-003		3 tree- 2" & < 0.5"	saw/herbicide
Cope Canyon/ East Fork	TARA-004-TC TARA-005	2 persons/ 1 day	3 tree- 1" 7 tree- 0.5-1"	saw/herbicide saw/herbicide
Campbell Creek	TARA-006-C/TC	4-5 person/ 1 day	1 tree < 0.5"/2'	saw/herbicide
	CERE-002		115'x25'(out park/test)	pulaski/shovel/gloves/
			115'x100'(in park/test)	Curtail
	COAR-020		3'x3' area in 1998	2,4-D
	TARA-009		3 tree < 1"	saw/herbicide
	SAIB-006		12 plants in 1998	gloves
Bryce Creek/ Cook's Ranch -BP/C	SAIB-003 CIVU-020 ELAN-001 CIVU-014	3-4 person/ 1 day	1000's plants (8-17-99) (8-11-99) but check 20 tree-1"/ 1 tree-3" 7 plants in 1998	hand pull/gloves pulaski/bag/clipper saw/herbicide pulaski/bag/clipper
Yellow Creek-BP	TARA-011-BP TARA-010 TARA-012 CIVU-016	2-3 person/ 1 day	30 tree > 2" 3 tree < 0.5" 3 tree- 0.5-2" 150 plant removed 1998	saw/herbicide hand pull/gloves hand pull/saw/herbicide pulaski/bag/clipper
S of Yellow Creek on E-W Boundary-BP	TARA-007 TARA-008 SAIB-009	3-4 person/ 1 day	73 tree- 4" 25 tree- 4" 3 plants removed 1998	saw/herbicide saw/herbicide hand pull/gloves
Swamp Canyon/ Short Canyon	CIVU-015 VETH-005	4-5 person/ lots 1 day - 2 days	1000's plants (8-5-99) 100's plants in 1998	pulaski/bag/clipper pulaski
Rainbow Point/ Riggs Spring -RP/CP	CIVU-005 CIVU-018 CIVU-011 ERCI-001 CEMA-001 VETH-003	2 person/ 1 day	1 plant removed 1998 1 plant (7-21-99) check 45 plant removed 1998 0 plant (7-21-99) 1 plant removed 1998 682 plant removed (7-21-99)	pulaski/bag/clipper pulaski/bag/clipper pulaski/bag/clipper check /hand pull pulaski/gloves check /pulaski

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LIST OF ROADSIDE EXOTICS

<u>Scientific name</u>	<u>Common name</u>	<u>Location</u>
* <i>Centaurea repens</i>	Russian knapweed	near mixing circle
<i>Cichorium intybus</i>	Chicory	north of entrance station
* <i>Cirsium vulgare</i>	Bull thistle	south of Rainbow gate
<i>Lactuca serriola</i>	Prickly lettuce	Hwy 12 – the dump
<i>Taraxacum officinale</i>	Common dandelion	roadsides in general
<i>Tragopogon dubius</i>	Goatsbeard/Salsify	roadsides in general
<i>Cynoglossum officinale</i>	Houndstongue	North Campground
* <i>Cardaria draba</i>	Whitetop	East Creek Meadow mile post 5.1
<i>Descurainia sophia</i>	flixweed	North campground
* <i>Salsola iberica</i>	Russian thistle	Hwy 12 & park roads
* <i>Convolvulus arvensis</i>	Field bindweed	north half of park roads
<i>Agropyron cristatum</i>	Crested wheatgrass	north half of park roads
<i>Bromus inermis</i>	Smooth broome	north half of park roads
* <i>Bromus tectorum</i>	Cheatgrass	north half of park roads
<i>Hordeum jubatum</i>	Foxtail barley	north half of park roads
* <i>Poa pratensis</i>	Kentucky bluegrass	residential areas
<i>Marrubium vulgare</i>	Common horehound	near Rainbow Gate and lodge loop near Sunrise Point
<i>Melilotus officinalis</i>	Yellow sweetclover	Hwy 12 and park road
<i>Verbena bracteata</i>	Prostrate vervain	north half of park roads & Hwy 12

Other exotic species (especially grasses) may also be present along the roadsides.

Field bindweed (*Convolvulus arvensis*) is probably the biggest concern of species that may be spread by road construction.

EXOTICS ERADICATION IN PROGRESS

UPDATED 9-14-99

	Plant	Date	Removed	Location	Who	Last Year	Previous Activity
<u>Arctium minus</u> (common burdock)	ARMI- 001	8-11-99	50	Cook's Ranch	CF ES		
	ARMI- 002	8-18-99	1	Qtrs 13	ES JAC		(needed for herbarium)
<u>Bromus tectorum</u> (cheat grass) <i>Too late in season</i>	BRTE- 001	8-12-99	200	Rainbow Gate	CF LL		(more to pull)
	BRTE- 002	8-11-99	20 x 20	VC bldg	LL		
	BRTE- 003	8-12-99	15 x 2	Rainbow Gate	CF LL		(more to pull)
	BRTE- 004	8-17-99	map	Milepost 2	ES LL		(need to pull)
	BRTE- 005	8-18-99	map	Milepost 4	ES JAC		(need to pull)
<u>Cardaria draba</u> (whitetop)	CADR- 001	7-16-99	40 x 40	Milepost 5.1	JAC ES		(checked 8-18; dieing)
<u>Carduus nutans</u> (musk thistle)	CANU- 001	8-16-99	2	Historic gas station	JAC		
	CANU- 002	8-27-99	2	Maint area	JAC		
	CANU- 003	7-15-99	20	Mixing circle	JAC NM		
	CANU- 004	8-20-99	0	VC meadow	LL		
	CANU- 005	7-13-99	400	Paria Rx burn	JAC ES NM		(check in Sept)
<u>Centaurea maculosa</u> (spotted knapweed)	CEMA- 001	8-26-99	0	Riggs Spring	JAC1		
<u>Centaurea repens</u> (russian knapweed)	CERE- 001	8-18-99	52	N.Campgrd/mixing circle	JAC ES		(check in Sept)
	CERE- 002			Campbell Creek			10-5-98
<u>Cirsium arvense</u> (Canada thistle)	CIAR- 001	8-22-99	37	Sunrise unit	NM		(need to be removed; many)
	CIAR- 002	8-22-99	217	Sunset unit	NM		(need to be removed; many)
	CIAR- 003			Sewage lagoon			(to be burned) 9-20-98
	CIAR- 004			Married dorm			9-03-98
	CIAR- 005	8-22-99	223	Lodge	NM		
<u>Cirsium vulgare</u> (bull thistle)	CIVU- 001	8-27-99	5	Mixing circle	JAC ES LL		
	CIVU- 002	8-10-99	30	Sunrise/Sunset unit	LL CF		
	CIVU- 003	8-16-99	40	Maint area	JAC		
	CIVU- 004	8-17-99	85	Sewage lagoon	LL		
	CIVU- 005			Rainbow Point		6-24-98	1
	CIVU- 006	8-18-99	1	Rainbow Gate	ES CF		
	CIVU- 007	8-18-99	0	Rainbow Gate	ES CF		
	CIVU- 008			Tropic Ditch		7-23-98	20
	CIVU- 009	8-16-99	0	Dorms	JAC		
	CIVU- 010	8-16-99	0	Sunrise Loop	JAC		
	CIVU- 011	8-26-99	0	E. Riggs Spring Trail	JAC		
	CIVU- 012	8-10-99	40	General Store	LL CF		
	CIVU- 013	8-09-99	0	Qtrs 28B	JAC		
	CIVU- 014			Cook's Ranch		8-27-98	map
	CIVU- 015	8-06-99	1200	Swamp Canyon	JAC ES YCC		
	CIVU- 016			Yellow Creek		9-10-98	150

EXOTICS ERADICATION IN PROGRESS

	Plant	Date	Removed	Location	Who	Last Year	Previous Activity
<u>Tamarix ramosissima</u> (tamarisk)	TARA- 001			Jolley Hollow		6-15-98	map
	TARA- 002			Tropic Canyon		6-15-98	map
	TARA- 003			Tropic Canyon		6-15-98	map
	TARA- 004			Cope Cnyn/E Fork		8-18-98	map
	TARA- 005			Cope Cnyn/E Fork		8-18-98	map
	TARA- 006			Campbell Creek		8-17-98	map
	TARA- 007			S of Yellow Creek		8-27-98	map
	TARA- 008			S of Yellow Creek		8-27-98	map
	TARA- 009			Campbell Creek		8-26-98	map
	TARA- 010			Yellow Creek		9-10-98	108
	TARA- 011			Yellow Creek		9-10-98	20
	TARA- 012			Yellow Creek		9-10-98	map

<u>Tragopogon dubius</u> (western salsify)	TRDU- 001	7-23-99	1	Sewage lagoon.	ES CF	(to be burned)	
	TRDU- 002	8-11-99	map	Rainbow Gate	ES CF		

<u>Verbena bracteata</u> (prostrate vervain)	VEBR- 001	7-25-99	200	Qtrs 25/27	ES CF		
	VEBR- 002			Qtrs 27 A/B		8-25-98	map
	VEBR- 003	8-02-99	2	Qtrs 28B	JAC		
				Maint Area		(needs mapping)	

<u>Verbascum thapsus</u> (common mullein)	VETH- 001	8-04-99	10	Sunset unit	LL CF		
	VETH- 002	8-04-99	16	Sunrise unit	LL CF		
	VETH- 003	8-26-99	150	Riggs Spring	JAC		
	VETH- 004	8-16-99	231	N Campgrd	LL		
	VETH- 005	8-25-99	600	Short Canyon	CF LL	(more to pull)	
	VETH- 006	7-28-99	4	Milepost 5	ES CF		
	VETH- 007	8-20-99	2	VC bldg	CF LL		

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UPDATED 9-14-99

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	ARMI- 002	8-18-99	1	Qtrs 13	ES JAC		(needed for herbarium)
<u>Bromus tectorum</u> (cheat grass) <i>Too late in season</i>	BRTE- 001	8-12-99	200	Rainbow Gate	CF LL		(more to pull)
	BRTE- 002	8-11-99	20 x 20	VC bldg	LL		
	BRTE- 003	8-12-99	15 x 2	Rainbow Gate	CF LL		(more to pull)
	BRTE- 004	8-17-99	map	Milepost 2	ES LL		(need to pull)
	BRTE- 005	8-18-99	map	Milepost 4	ES JAC		(need to pull)
<u>Cardaria draba</u> (whitetop)	CADR- 001	7-16-99	40 x 40	Milepost 5.1	JAC ES		(checked 8-18; dieing)
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	CANU- 002	8-27-99	2	Maint area	JAC		
	CANU- 003	7-15-99	20	Mixing circle	JAC NM		
	CANU- 004	8-20-99	0	VC meadow	LL		
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<u>Centaurea maculosa</u> (spotted knapweed)	CEMA- 001	8-26-99	0	Riggs Spring	JAC1		
<u>Centaurea repens</u> (russian knapweed)	CERE- 001	8-18-99	52	N.Campgrd/mixing circle	JAC ES		(check in Sept)
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	CIVU- 005			Rainbow Point		6-24-98	1
	CIVU- 006	8-18-99	1	Rainbow Gate	ES CF		
	CIVU- 007	8-18-99	0	Rainbow Gate	ES CF		
	CIVU- 008			Tropic Ditch		7-23-98	20
	CIVU- 009	8-16-99	0	Dorms	JAC		
	CIVU- 010	8-16-99	0	Sunrise Loop	JAC		
	CIVU- 011	8-26-99	0	E. Riggs Spring Trail	JAC		
	CIVU- 012	8-10-99	40	General Store	LL CF		
	CIVU- 013	8-09-99	0	Qtrs 28B	JAC		
	CIVU- 014			Cook's Ranch		8-27-98	map
	CIVU- 015	8-06-99	1200	Swamp Canyon	JAC ES YCC		
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	TARA- 003			Tropic Canyon		6-15-98	map
	TARA- 004			Cope Cnyn/E Fork		8-18-98	map
	TARA- 005			Cope Cnyn/E Fork		8-18-98	map
	TARA- 006			Campbell Creek		8-17-98	map
	TARA- 007			S of Yellow Creek		8-27-98	map
	TARA- 008			S of Yellow Creek		8-27-98	map
	TARA- 009			Campbell Creek		8-26-98	map
	TARA- 010			Yellow Creek		9-10-98	108
	TARA- 011			Yellow Creek		9-10-98	20
	TARA- 012			Yellow Creek		9-10-98	map

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	VEBR- 003	8-02-99	2	Qtrs 28B	JAC	(needs mapping)	
				Maint Area			

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