



**TRI-COUNTY WEED CONTROL**  
 995 Campton Street  
 Ely, Nevada 89301  
 (775) 289-4459

## 2005 SEASON REPORT

Since its formation in 2000, Tri-County Weed Control has now inventoried over 11,320,556 acres of land in White Pine, Lincoln, and Nye Counties. Due to budget restrictions, the field personnel consisted of one 2-person inventory crew and a 2-person spray crew, both based in White Pine County. Although the acreage inventoried was down in 2005 due to reduction in BLM funds, there were still 508 different occurrences recorded representing 357.22 acres, and the crew logged 1,476 miles during inventory sessions, which does not include travel miles to and from a site.

The inventory crew began the 2005 season in April of 2005 and ended it the end of September. During that time, 290,000 acres were inventoried. This season saw the addition of a noxious weed survey for the Southern Nevada Water Authority, and approximately 309 miles of SNWA right-of-way was surveyed in conjunction with the proposed water pipeline from Clark County, through Lincoln County, and ending in White Pine County. The crew began this survey project on May 2, 2005, and completed it on June 16, 2005.

Under the provisions of BLM Task Order 10, Item 8 required that 20 permanent monitoring sites, each with two 100-foot transects, be established by Tri-County Weed. These sites were created according to detailed BLM protocol on a random basis within known infestations. GPS points were recorded and photographs were taken of the various sites, with follow-up to be on an annual basis. A 2-person crew began the establishment of the project sites on June 23, 2005, and completed the set-up and collection of the initial data on July 21, 2005.

**Spray Crew:** The first spray project began on March 21, 2005, for a private landowner. Over the next 9 months, 439 separate projects were logged in by the Spray Crew. The following is a tabulation of actual recorded spray sessions from GIS data for just the following governmental entities serviced, and does not include travel miles to and from a site:

	<u>Spray Session Mileage</u>	<u>Gross Infested Acres</u>
BLM	3,513.71	63,885.64
NDOT	2,950.32	35,761.46
Forest Service	<u>475.21</u>	<u>8,640.37</u>
Totals:	6,939.24	108,287.47

Again as in 2005, the spray truck crew consisted of two licensed sprayers (with one additional licensed person available if needed), plus a temporary licensed spray crew member using either the 4-wheeler or 6-wheeler and backpack sprayer to meet the needs for the projects.

The following pages set forth detailed information for the work completed during the 2005 season of the Tri-County Weed Control Project.

Project	Reference	Gross Infested Acres	Project Acres/ Treatment	Income
<b>USDI Bureau of Land Management, Ely District Agreement FAA 020035</b>				
<b><i>Task Order #9, Item 1 - NV040-1020JD</i></b>				
Noxious Weed Spray	3-29-05 to 7-26-05		367.31	\$40,000.00
<b><i>Task Order #10, Item 1 - NV040-1020JD</i></b>				
General Weed Treat-ment and Evaluation	7-27-05 to 9-11-05		302.88 a	23,589.78
	9-12-05 to 12-04-05		573.37 a	33,616.50
<b><i>Task Order #10, Item 2 - NV040-2822-</i></b>				
Fire Inventory/ Treatment	JD-A7DM – Chrome (musk thistle)		2.60 a	4,600.00
	JD-A38W – Mail Summit 2* (no weeds found)		.00 a	1,585.00
	JD-A5BG – Stokes* (no weeds found)		.00 a	630.00
	JD-BFN6 – Sampson Creek (musk thistle)		46.21 a	3,000.00
	JD-BG2E – Gregerson* (no weeds found)		.00 a	3,000.00
*Although there was no treatment within these fire areas, they are included in the total mileage set forth on page 1.				
<b><i>Task Order #10, Item 4 - 1020-JD-WEED</i></b>				
Outreach and Public Education	(See details below.)	--	--	500.00

I. General outreach to public

1. Met with many residents and landowners regarding noxious weeds.
2. Contacted landowners on regular basis concerning treatment results, need for re-treatment, and plans for continued control of weeds.
3. Identified numerous plants for local residents, both at their properties and those brought to the office.
4. Answered numerous calls each week from residents concerning weed problems and treatments in the tri-county area.
5. Distributed numerous weed identification booklets to the NACO/NV Department of Agriculture Meeting.
6. Provided training to landowners regarding machine calibration.
7. Contributed herbicide, equipment and manpower to treat Cave Lake Road within the Park.
8. Contributed herbicide, equipment and manpower toward Kerb treatment in Diamond Valley. (DOW Chemical)
9. Maintained link between private and public landowners as liaison.

II. Local CWMA's

10. Attended meetings at Lincoln, Newark/Long Valley, Railroad Valley, Robinson, Snake Valley, and White River CWMA's, and the new Steptoe Valley CWMA.
11. Provided computer support to CWMA's including generating various maps.
12. Contributed numerous booklets and fliers to Railroad Valley CWMA for Railroad Valley Days
13. Traveled for on-site overview of upcoming treatment projects, including Snake Valley salt cedar and Newark/Long Valley leafy spurge treatment.
14. Met with Quadra Mine and Robinson CWMA representatives concerning spotted knapweed problem; contributed herbicide, equipment and manpower toward aminopyralid treatment of spotted knapweed. (DOW Chemical)
15. Negotiated with Quadra Mine for contribution of \$1,000 to Robinson CWMA.
16. Contributed herbicide, equipment and manpower toward aminopyralid treatment of Russian knapweed at Georgetown Ranch (Steptoe CWMA). (DOW Chemical)
17. Contributed herbicide, equipment and manpower toward treatment of leafy spurge in Newark/ Long Valley CWMA.
18. Provided fliers and prepared meeting presentations to facilitate the organization of the Steptoe Valley CWMA.
19. Prepared and presented in-depth education and training program over four days for Alamo FFA, including: (a) instruction in use of GPS units; (b) designing spreadsheet for mapping purposes; and (c) in-field mapping. (Lincoln County CWMA.)
20. Met with various public officials and representatives regarding CWMA's, program status, and progress on weed treatment.

III. Education, training and outreach

21. Provided group leaders at Public Lands Day, Steptoe Valley Wildlife Management Area for grounds maintenance; grass seeding along ditches; planting willows.
22. Hosted Tri-County Weed Control Fall Update to provide information concerning projects completed, success stories, future plans, and question-and-answer time.
23. Provided weed education and training presentation to BLM Field Office personnel
24. Performed five-day project-overview trip throughout tri-county area
25. Attended three-day NWMA Conference to gain insight into ongoing innovations in control of weeds and to provide information on Tri-County's experiences
26. Attended Integrated Pest Management and Certification in Phoenix, AZ
27. Provided education and training to Ash Meadows managers
28. Presented on-site training and education class at Hwy 6 Bypass to NDF Prison Camp crew leaders and NDOT right-of-way personnel.

<b>Task Order #10, Item 5 - 1020-BS-WEED</b>				
Weed Inventory	Steptoe Valley Survey Project		290,000.00 a	\$20,000.00
<b>Task Order #10, Item 8 - 1020-MK-WEED</b>				
Monitoring	20 sites throughout tri-county area			\$20,000.00
<b>Totals for BLM Task Orders:</b>			<b>291,292.37 a</b>	<b>\$150,521.28</b>
<b>USDA Forest Service</b>				
Agreement #04-PA-11041709-064, including Modifications 1 and 2		8,640.37 a	<b>79.48 a</b>	<b>\$21,720.93</b>
<b>Nevada Department of Agriculture: Nevada Department of Transportation</b>				
Weed Control	(See details below)	35,761.46 a	<b>466.61 a</b>	<b>\$36,269.06</b>

Hwy 6 west of Ely – Weeds that are known to be present are spotted knapweed, hoary cress, tamarisk, tall whitetop and Russian knapweed. From McDonald's to the Y at the southwest side of Ely, there is tall whitetop and spotted knapweed. The spotted knapweed continues over Murry Summit and out to the Hwy 318 intersection. All populations in this area are heavy. From the 318 intersection to Black Rock Station, infestations are small patches of hoary cress, tamarisk, Russian knapweed and tall whitetop.

Hwy 50 – 6 east of Ely – Weeds that are known to be present are spotted knapweed, tall whitetop and hoary cress. Small patches of hoary cress and spotted knapweed exist from just outside of Ely over Connors Summit. Approaching Majors, the intensity of spotted knapweed increases. From the intersection of Hwy 93 to the turn\_off to Osceola, small patches of spotted knapweed exist. From the turn off to Osceola over Sacramento Summit and out to the Y, there is heavy infestation of spotted knapweed and one patch of tall whitetop. From the Y to the state line is fairly clean with isolated patches of spotted knapweed.

Hwy 50 west of Ely – Weeds that are known to be present are spotted knapweed, diffuse knapweed and hoary cress. From Ely to the Ruth turn, there is a fairly large infestation of spotted knapweed and a small infestation of diffuse knapweed. Over Robinson Summit, there are small patches of hoary cress. Large infestations of spotted knapweed and hoary cress occur from the Moorman Ranch and continue with less frequency to the Eureka County line.

Hwy 93 north of Ely – Weeds that are known to be present are spotted knapweed, hoary cress, musk thistle and Russian knapweed. Overall the highway is clean with small infestations of the weeds mentioned out to Lages Station.

Hwy 93 south of Ely – Weeds that are known to be present are spotted knapweed, diffuse knapweed, Russian knapweed, tamarisk, scotch thistle, tall whitetop and Dalmation toadflax. From the intersection of Hwy 50 – 6 to just south of Pioche, there are intermittent heavy infestations with small patches of spotted knapweed in between. There is one patch of diffuse knapweed just south of the Lincoln County line by the Muleshoe turn\_off. At Pony Springs we start to pickup the Dalmation toadflax with it increasing in intensity as we approach Pioche. Isolated patches of toadflax are located just south of Pioche but decrease in frequency and cease just before Panaca. The tamarisk infestation is just north of Caliente. On Oak Springs Summit just south of Caliente, there is a small infestation of spotted knapweed. Isolated small patches of spotted knapweed are throughout the Delamar Valley and into Alamo. At the wildlife refuge south of Alamo there is Russian knapweed and tall whitetop.

Hwy 95 – Weeds that are known to be present are tamarisk and Russian knapweed. The Russian exists by the Nye and Esmeralda county line. Heavy infestations of tamarisk exist north and south of the Beatty area. Also, there are two patches of Sahara mustard: one is by the intersection of Hwy 95 and Hwy 373; the other is between the above intersection and the Amargosa intersection.

Hwy 160 – This highway is weed free from Nye\_Clarke county line to the intersection of Hwy 95.

Hwy 267 – This highway is weed free from the intersection of Hwy 95 to the California state line.

Hwy 317 – Weeds that are known to be present are spotted knapweed, hoary cress, scotch thistle and tall whitetop. The first 12 miles of this highway contain all the weeds mentioned. Hoary cress is the most prevalent throughout the area. There are two patches of tall whitetop. One patch is by the Longhorn Cattle Ranch and the other is further south. There is one patch of both

<b>Nevada Division of Forestry</b>			
Highway 6 Bypass (cheat grass)		<b>35.14 a</b>	<b>\$ 1,323.86</b>
<b>Cave Lake State Park</b>			
Cave Lake Road	(short whitetop) ( <i>all Contribution by Tri-County Weed</i> )	<b>3.97 a</b>	<b>\$ 233.38*</b>
<b>Southern Nevada Water Authority</b>			
Pipeline Survey	309-mile survey of right-of-way for proposed pipeline		<b>\$26,400.00</b>
<b>White Pine County</b>			
Golf Course	(Russian knapweed)	16.59 a	1,101.54
Fairgrounds	(bareground mgmt.)	16.90 a	1,229.92
	<b>Project Total White Pine County:</b>	<b>33.49 a</b>	<b>\$ 2,331.46</b>
<b>White Pine County (treatment in lieu of equipment/shop rental)</b>			
Gene's Park	(lawn weeds)	23.79 a	2,563.37
Ruth Road	(spotted knapweed, short whitetop)	27.03 a	2,912.48
Road Yard	(spotted knapweed, short whitetop)	.91 a	98.05
	<b>Project Total White Pine County (treatment in lieu):</b>	<b>51.73 a</b>	<b>\$5,573.90</b>
<b>City of Ely</b>			
Landfill	(short whitetop)	<b>1.95 a</b>	<b>\$ 133.57</b>
<b>Private Landowners</b>			
<i>White Pine County:</i>			
Bath, Jim	(bare ground mgmt, kochia.)	9.96 a	\$ 656.00
G. Christensen,	(broadleaf treatment)	29.32 a	609.23
Bob Clayton,	(water hemlock)	.09 a	52.58
Bub Hayward,	(Russian knapweed)	20.63 a	918.43
Jones, Jerry	(bare ground mgmt.)	8.21 a	846.88
Susan Keough,	(bare ground mgmt.)	.91 a	169.57

, G	Panagopoulous (crop weed control)	28.14 a	719.73
Mine	Quadra (spotted knapweed)	3.97 a	208.80
	West, Clay (crop weed control)	36.31 a	1,025.17
	<i>Total White Pine Co. Private Landowners</i>	<b>137.54 a</b>	<b>\$ 5,206.39</b>
<b><i>Nye County:</i></b>			
	Duckwater (Russian knapweed)	737.68 a	\$45,990.00
Joe	Cummings, (Canadian, Scotch thistle; whitetop)	10.03 a	733.19
	<i>Total Nye County Private Landowners</i>	<b>747.71 a</b>	<b>\$46,723.19</b>
<b><i>Lincoln County:</i></b>			
Property	Findlay (puncture vine)	<b>1.33 a</b>	<b>\$ 397.56</b>
	<b>Total Private Landowners:</b>	<b>886.58 a</b>	<b>\$52,327.14</b>
<b>Cooperative Weed Management Areas (“CWMA”) (Private landowners, cost-share treatments)</b>			
<b><i>Newark/Long Valley CWMA</i></b>			
Scoppettone Field	(Russian knapweed)	.28 a	275.41
Silver St. Ranch		11.75 a	544.21
S.S./Buck Station	(Russian knapweed, water hemlock, musk thistle)	.44 a	94.28
S.S./Buck Station		36.88	328.88
S.Ruby Range	(leafy spurge)		
Phase I	<i>Tri-County Weed contribution -</i>	132.89 a	5,937.17
Phase II	<i>\$5,538.29</i>	237.46 a	7,830.31
	<i>Total Newark/Long Valley CWMA</i>	<b>419.70 a</b>	<b>\$15,010.26</b>
<b><i>Railroad Valley CWMA</i></b>			
Bradshaw Ranch	(hoary cress)	.27 a	168.09
Hanks Field	(perennial pepperweed)	.42 a	249.47
Duckwater Tribal	(Russian knapweed)	12.97a	991.76
Blue Diamond Fields	(hoary cress, perennial pepperweed)	.21 a	248.20

Forsgren Fields	(Russian knapweed)	14.69 a	929.63
Sprouse Fields	(Russian knapweed)	26.16 a	1,219.70
	<i>Total Railroad Valley CWMA:</i>	<b>54.72 a</b>	<b>\$3,806.85</b>
<b><i>Robinson CWMA</i></b>			
Gleason area	(spotted knapweed)	9.24 a	\$1,805.94
Quadra Mine	(spotted knapweed) <i>Tri-Co. Weed contri</i>	2.13 a	-0-
	<i>Total Robinson CWMA:</i>	<b>11.37 a</b>	<b>\$ 1,805.94</b>
<b><i>Snake Valley CWMA</i></b>			
Snake Valley	(Private inventory)	1,450.00 a	\$2,000.00
Silver Creek area	(salt cedar)	43.68 a	6,109.92
	<i>Total Snake Valley CWMA:</i>	<b>1,493.68 a</b>	<b>\$8,109.92</b>
<b><i>Steptoe Valley CWMA</i></b>			
Georgetown Ranch	(Russian knapweed) <i>All Tri-County Weed contribution</i>	<b>2.00 a</b>	<b>-0-</b>
<b><i>White River Valley CWMA</i></b>			
Carson Field	(perennial pepperweed)	7.41 a	\$ 156.72
Carter Property -I		1.08 a	198.89
-II	(perennial pepperweed)	.29 a	207.19
Forest Moon Ranch	(Russian knapweed)	57.02 a	2,501.65
Halstead Property - I		5.45 a	330.28
-II	(Russian knapweed)	.01 a	79.78
Ivins Property	(hoary cress)	1.41 a	225.17
Lund Area	(hoary cress)	1.88 a	106.99
Old Lund School	(Russian knapweed)	.24 a	124.18
Maynard Fields	(hoary cress)	27.23 a	695.86
Reid Property	(hoary cress)	12.69 a	499.38
Whipple Property	(hoary cress)	2.17 a	209.96
White River Headwtr	(hoary cress)	2.80 a	195.81



	<i>Total White River Valley CWMA:</i> <b>119.68 a</b>	<b>\$5,531.86</b>
	<b>Total for all CWMA's:</b>	

### SUMMARY

PROJECT GROUP	PROJECT ACRES/ TREATMENT	TOTAL BILLING
USDI Bureau of Land Management	291,292.37	\$150,521.28
USDA Forest Service	79.48	21,720.93
NDA/NDOT	466.61	36,269.06
Nevada Division of Forestry	35.14	1,323.86
Cave Lake State Park *	3.97	.00
Southern Nevada Water Authority		26,400.00
White Pine County	17.59	2,331.46
White Pine Co. – Treatment in lieu...	51.73	5,573.90
City of Ely	1.95	133.57
Private Landowners	886.58	52,327.14
Cooperative Weed Management Areas:		
Newark/Long Valley *	419.70	15,010.26
Railroad Valley	54.72	3,806.85
Robinson *	11.37	1,805.94
Snake Valley	1,493.68	8,109.92
Steptoe Valley *	2.00	.00
White River Valley	119.68	5,531.86
Project Subtotal:	294,952.47 a	\$330,866.03
Tri-County Weed Control Contributions:		
Cave Lake Park		233.38
Newark/Long Valley CWMA		5,538.29
Robinson CWMA		116.53
Steptoe Valley CWMA		120.00

Subtotal, Project and Tri-County Weed Contributions:	\$336,874.23
<b>TOTAL, Less Tri-County Contributions (\$6,008.20):</b>	<b>\$330,866.03</b>

\*All or portion included in Tri-County Weed Control contributions.

In summary, in 2005, Tri-County Weed billed \$336,874.23 (less its contribution amount of \$6,008.20) for projects with the three county area. Even though the billing amount was somewhat down for 2005 (\$330,866.03 as compared to \$376,854.57 in 2004), Tri-County Weed Control continues to grow outside of its federal agreements.