



TRI-COUNTY WEED CONTROL
133 Fay Avenue – Ely, NV 89301
(775) 289-6341

2016 SEASON REPORT

For our 2016 seasonal year, TCWC hired two seasonal employees for inventory, spraying, monitoring and maintenance. We also utilized Bert Paris, BP Livestock, whose services were a tremendous benefit this season. We ended the season with six "regular full-time" employees, who will help support our winter administrative and maintenance operations.

For 2016, we paid one seasonal employee \$1,000.00 from the Seasonal Incentive Program. We are still committed in continuing this program in the future rewarding seasonal employees for complying with the requirements of: (1) committing to work through the end of the season or a resignation date mutually agreed between TCWC and the employee; (2) attending work on time every scheduled work day; and (3) achieving a goal of zero safety related accidents. We sincerely believe this incentive is worth the value it has added to our program. Also, this season we sent 2 applicants for drug screening and happy to say no one failed the drug test this year.

In January our office manager Paula Day announced her retirement and left the TCWC team. Her work here was greatly appreciated and we thank her for her time here.

In October the decision to purchase a new six-wheeler was made and we purchased one from Tri-City Polaris out of Centerville, Utah.

Tri-County Weed Control's Board of Directors is responsible for broad corporate policies and overall performance. Our Board members oversee the management and stewardship of the company to enhance TCWC's long-term value and vitality. The directors provide input and perspective in evaluating strategic initiatives. They review and, where appropriate, approve fundamental financial and business strategies and major actions, and ensure processes to maintain our company's integrity. On given occasions, members of the Noxious Weed Management Program Board of Directors may be faced with a conflict of interest in scheduling, prohibiting him/her in attending a board meeting. This situation may make it difficult to obtain a majority of the board to move an action forward, or to take a final action. This problem was resolved through the appointment of the alternate members to serve in such circumstances. Our board currently consists of Paul Matthews (Lincoln County Commissioner); Laurie Carson (White Pine County Commissioner); Lorinda Wichman, (Nye County Commissioner); Dick Reason (Nye County landowner); Ray Kretschmer (Nye County landowner); Ronda Hornbeck (Lincoln County landowner); Tom Baker (White Pine County landowner); Jack Neal (White Pine County land manager); Steve Meldrum (Lincoln County Land Owner) and alternates, Ken Dickson (Lincoln County), Tim Carlo (Nye County Land Owner) and Gary Perea (White Pine County Commissioner). We want to thank our board for taking the time out of their busy schedule to serve on our board.

TRI-COUNTY WEED CONTROL OUTREACH AND EDUCATION

In 2016, TCWC logged over 316.5 man-hours in public outreach and education in White Pine, Lincoln, and Nye Counties. Most of those hours were direct contact with local Cooperative Weed Management Area (CWMA) members regarding weed management and education. Tri-County Weed Control employees logged 116.0 man-hours of attending seminars, conventions and other training sessions.

The following are highlights of the time spent by TCWC this year in furthering its dedication to weed management and education in Nevada:

I. General outreach to public

- Met with residents and landowners/managers on a general basis regarding noxious weeds;
- Contact with landowners on a regular basis concerning treatment results, need for re-treatment, and plans for continued control of noxious weeds;
- Identified numerous plants for local residents, both those at their properties and those brought to our office;
- Answered numerous calls from residents concerning noxious weeds problems and treatments in the tri-county area and provided solutions for control;
- Maintained liaison link between private and public landowners for noxious weeds concerns;
- Provided informational material to landowners regarding sprayer calibration.

II. Local CWMAs

- Prepared and gave various presentations at CWMAs and conservation districts meetings in Lincoln, White Pine and Nye Counties regarding noxious weed problems and solutions;
- Provided computer support to CWMAs including generating various maps of their boundaries and noxious weed locations;
- Provided CWMAs with numerous noxious weed identification booklets, handouts, flyers;
- Met with various local public officials and representatives regarding weed control efforts and CWMA programs.

III. Education, training, and outreach

- 1) Co-hosted *Eastern Nevada Landscape Coalition (ENLC) and Tri-County Weed Control's Eleventh Annual Winter Weed Workshop* on January 8th & 9th.
- 2) Bio Releases: This summer we released (40) *Jaapiella invannikovi* on the Duckwater Shoshone Reservation to help reduce Russian knapweed infestations.
- 3) Education and Training:
 - Attended The Nevada Rangeland Resources Commission's N-4 Grazing Board meetings;
 - Attended Porter Merrill's Safety & Schell Creek's safety training (MSHA).
 - Attended the Nevada Department of Agriculture public hearing regarding custom application of pesticides

INVENTORY:

Since its formation in 2000, TCWC has now inventoried over 22,878,439.70, acres of land in White Pine, Lincoln, Nye, and Clark Counties.

For 2016, TCWC had a 2-man inventory crew. The crew inventoried 1,014,341.79 acres for noxious weeds for Steptoe Valley Range, Smith Valley, Jakes Valley, Butte Valley, Steptoe Valley, Egan Range, Cherry Creek Range, Butte Mountain Range from May 23, 2016 through July 29, 2016 using 829 man hours.

For 2016, we recorded 278 different occurrences representing 159.5 acres for this year's BLM inventory. The spray crew added an additional 257 points of infestations for 203.5 acres. The inventory crew logged 1,125.36 miles during these inventory sessions, which does not include travel miles to and from a site

MONITORING:

In 2005, under the provisions of BLM Task Order 10, there were 20 permanent monitoring sites established by

TCWC, and an additional 20 sites were established in 2006. In 2008, an additional two sites were established for a total of 42 sites to be being monitored. The monitoring consists of identifying *all plants* within a 28 and 73 foot marker at each site by species and life stage (rosette, seedling, bolt, standing dead); log the UTM's of each marker; record the total number of plant species within the markers; and record a photograph of each transect and photo plot.

This was the 11th year of TCWC monitoring these sites for the Bureau of Land Management. On August 8, 2016, we began the process of the monitoring of these 42 sites. The monitoring project was completed on August 23, 2016 using 252 man hours. All data was collected and added to the previous years' information.

TREATMENTS:

This year, the spray crew consisted of five “full-time regular” licensed applicators plus one “seasonal” sprayers using spray trucks, 6-wheelers, mini-truck, horses/mules, and backpack sprayers to meet the needs for the projects. The spray crew began the 2016 season on February 16 and completed its last project on December 23, 2016. In total, the spray crews completed 601 different projects within 8 man hours

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.

<i>Organization</i>	<i>Spray Session Mileage</i>	<i>Gross Acres</i>
BLM	5,360.37	129,948.36
NDOT– Tri-Counties & Clark County	6,143.14	111,693.45
<i>Totals:</i>	<i>11,503.51</i>	<i>241,641.72</i>

The following pages set forth detail information for the work completed during the 2016 season. This work was completed with 8,204.75 hours for weed treatment; 829 hours for inventory; and 252 hours for monitoring for a grand total of 9,285.75 man hours for completion of TCWC's season.

USDI Bureau of Land Management, Ely District			
Agreement No: L1AC20130		<i>Acres</i>	<i>Income</i>
Inventory, Sup 0017 (<i>Steptoe Valley Range, Smith Valley, Jakes Valley</i>)		373,200.93	\$19,500.00
Monitoring (12.5 sites) Sup 0017		n/a	\$3,000.00
General Treatments	Sup 0017	291.21	\$44,000.00
Tule Desert Treatments	Sup 0004, Treat 4	30.80	\$5,973.08
East Schell Fire Treatments	Sup 0010, Treat 4	800.00	\$40,250.00
General Treatments	Sup 0015, Treat 3	16.66	\$24,878.87
Kern Mountain Treatments	Sup 0012, Treat 3	59.06	\$20,669.07
Meadow Valley Treatments	Sup 0006, Treat 5	25.66	\$4,108.25

USDI Bureau of Land Management, Ely District			
Railroad Valley Treatments	Sup 0008, Treat 2	14.56	\$3,638.83
Sampson Fire Treatments	Sup 0011, Treat 3	53.31	\$18,657.45
Tule & Tuquop Treatments	Sup 0016, Treat 1	2,021.08	\$100,000.00
White River Valley Treatments	Sup 0009, Treat 5	40.14	\$10,034.10
Becky's Fire Treatments	Sup 0011, Treat 1	27.12	\$9,490.96
Agreement No: L16AC00017		Acres	Income
Monitoring (29.5 sites)		n/a	\$7,000.00
Inventory (Butte Valley, Steptoe Valley, Egan Range, Cherry Creek Range, Butte Mountain Range)		641,140.86	\$33,500.00
General Treatment		320.12	\$47,052.96
General Treatment	Treat 2	8.46	\$14,211.63
White River Treatments,	Mod 1, Sup 0004	36.90	\$13,042.09
Railroad Valley Treatments	Mod 1, Sup 0003	311.85	\$24,834.51
Wilderness Areas Treatments	Mod 1, Sup 0005	72.70	\$38,794.46
Tule Desert Treatments	Mod 1, Sup 0002	899.46	\$30,002.24
Newark Valley Treatments	Mod 2, Sup 0006	90.81	\$31,919.41
Total for Bureau of Land Management		1,019,461.69	\$544,557.91

Other Government Entities			
Ely State Prison 2	<i>bareground</i>	5.20	\$661.65
Ely State Prison	<i>bareground</i>	10.40	\$1,447.34
USF&W (Bobby Allison, Carp)	<i>perennial pepperweed</i>	10.09	\$1,253.71
US Forest Service	<i>Herbicide</i>	n/a	\$1,759.00
Total for Other Government entities		25.60	\$5,121.70
Nevada Department of Transportation			
Clark County	<i>(details listed below)</i>	134.47	\$25,114.96
Tri-Counties & Clark County	<i>(details listed below)</i>	568.32	\$86,992.32

Summary of State Highways in Clark County Treated in 2016 by Tri-County Weed Control

Hwy 95 S. of Las Vegas – Weeds that are known to be present are Sahara mustard, salt cedar, spotted knapweed and African rue. From the state line to Searchlight, there are scattered infestations of Sahara mustard with heavy infestations around Cal-Nev-Ari. From Searchlight to intersection of Hwy 93 there is considerable Sahara mustard with a few infestations of salt cedar; however, Sahara mustard is not being treated at this time. African Rue was treated next to the on ramp of 95 and 93 between Railroad Pass Casino and Boulder City in 2016.

Hwy 95 N. of Las Vegas – Weeds known to be present are Sahara mustard and salt cedar. There are also some salt cedar infestations around Indian Springs. Sahara mustard was found and treated in small patches from Las Vegas to north of Indian Springs.

Hwy 160 – Weeds known to be present are Russian knapweed, Malta starthistle, Sahara mustard and Scotch thistle. Sahara mustard, malta starthistle and Russian knapweed were found and treated in 2016.

Hwy 163 – The only weed known to be present at this time is Sahara mustard. There are heavy infestations from mile marker 15 to mile marker 19. There also are scattered patches from mile marker 0 to mile marker 15. Sahara mustard currently not being treated.

Hwy 164 – Weeds that are known to be present are Malta starthistle and Sahara mustard. Both exist in and around the material yard in Searchlight. For 2016, no weeds present at this time.

Hwy 168 – Weeds known to be present are Sahara mustard, Malta starthistle, salt cedar and Russian knapweed. Sahara mustard and Malta starthistle were found and treated. Russian knapweed was not found in 2016.

Hwy 169 – Weeds that are known to be present are Sahara mustard, salt cedar, Russian knapweed and Malta starthistle. Large infestations of Malta starthistle and Russian knapweed treated in 2016.

Hwy 170 – The only weed known to be present is Sahara mustard and the entire area is heavily infested from mile marker 0 to mile marker 11. No treatment currently on Sahara mustard.

I-15 – Weeds that are known to be present are Malta starthistle, Russian knapweed, silverleaf nightshade and Sahara mustard. Silverleaf nightshade, Malta starthistle and Russian knapweed was treated this year. Sahara mustard currently not being treated.

Hwy 93 – Weeds known to be present are diffuse knapweed, Sahara mustard and Malta starthistle. One patch each of diffuse knapweed and Malta starthistle have been identified. Sahara mustard exists from the I-15 intersection to north of the Lincoln County line. Sahara mustard and malta starthistle was treated this year.

MS 2-01 – In use, not visited.

MS 09-01 – Malta starthistle has been treated in the past. No weeds present in 2016.

MS 09-04 – Sahara mustard has been treated in the past. No weeds present in 2016.

MS 11-06 – There has been a small infestation of Sahara mustard in the past. For 2016, not treated, site was in use.

MS 18-2 – For 2016, Sahara mustard was treated.

MS 18-3 – For 2016, no weeds present at this time.

MS 19-01 – The only weed known to be present is salt cedar. This is a large infestation covering 2 acres of the site. For 2016, site is in a rest period waiting for retreat.

MS 25-1 – In use, not visited.

MS 32-02 – For 2016, no weeds present at this time.

MS 47-03 – For 2016, no weeds present at this time.

MS 47-04 – Found and treated Sahara mustard in 2016.

MS 69-01 – In 2008 it was reported there is a large infestation of salt cedar covering 2 acres of the site. There is also Sahara mustard scattered through the entire site and an approximate 2,000 sq. ft. patch of Malta starthistle also was found. However, this location was not accessible this season (locked combo lock).

MS 81-01– This material site has been weed free, but with a possibility of salt cedar regeneration in the active areas. Not treated in 2016.

MS 88-03 – The site is known to be heavily infested with Sahara mustard, with a small stand of salt cedar. This site visited but not treated due to site being used.

Cottonwood Cove Road – Weeds that are known to be present are Sahara mustard and Malta starthistle. The Sahara mustard exists in small, widely distributed patches along the highway from Searchlight to the park boundary. No treatments in 2016.

Warm Springs Road – Weeds that are known to be present are Sahara mustard, salt cedar and Malta starthistle. There have been heavy infestations of both Sahara mustard and Malta starthistle throughout the area in the past. There are also heavy stands of salt cedar scattered throughout the area. There is Russian knapweed creeping through the fence from the Warm Springs Natural Area. For 2016, only scattered patches of Malta starthistle and Sahara mustard was found and treated.

Searchlight NDOT Station – Weeds that have been known to exist at this station is Malta starthistle; however, this site is weed free at this time.

Glendale Main Station – For 2016, no weeds present at this time.

OBSERVATIONS OF THE 2016 SEASON

High moisture levels during the winter lead to high germination rates across most of the area of coverage. We targeted malta starthistle, Sahara mustard, Russian knapweed, silverleaf nightshade and Scotch thistle.

Summary of State Highways in Lincoln, Nye & White Pine Counties Treated in 2016 by Tri-County Weed Control

Hwy 6 west of Ely – Weeds that are known to be present are spotted knapweed, hoary cress, salt cedar, perennial pepperweed, phragmites and Russian knapweed. Spotted knapweed starts at McDonald's thinning before the 318 turnoff. Perennial pepperweed is spotty on the bypass from McDonalds to Murray Summit then quits and picks up again west of the Currant Maintenance Station and continues to the Black Rock Station. Hoary cress starts at McDonalds and continues over Murray Summit thinning in density to the White River Road. No phragmites or perennial pepperweed was treated this year.

Hwy 6 – Tonopah –For 2016, spotted knapweed was treated.

Hwy 50 – 6 east of Ely – No perennial pepperweed was treated this year. Hoary cress was found in small patches from Ely to Connors Summit. Spotted knapweed occurs in small patches from Ely to Connors Summit with heavy infestation around Sacramento Pass and Majors Junction. The spotted knapweed starts thinning to the east of Junction 893. Infestations pick-up again at Osceola increasing in density over Sacrament Pass to the rest area and thinning to small patches ending at the Maintenance Station. No Russian knapweed was found this year. A new infestation of Dalmatian toadflax was found and treated near the Mosier View turn.

Hwy 50 west of Ely – Weeds that are known to be present are spotted knapweed, diffuse knapweed, musk thistle, Scotch thistle, and hoary cress. No dalmation toadflax was treated this year. From Ely to Robinson Summit there are small patches of hoary cress and spotted knapweed. Large infestations of spotted knapweed and hoary cress occur from the Moorman Ranch and continue with less frequency to the Eureka County line. Treatment was extended to treat large infestations of spotted knapweed on the east side of Pinto Summit. There is one patch of musk thistle on the west side of Antelope Summit and one patch on the east side of Pancake Summit. Treatment extended to Middlegate. Musk thistle, spotted knapweed, scotch thistle and hoary cress treated on Pinto Summit into Diamond Valley. Musk thistle, spotted knapweed, and hoary cress treated on Bob Scott Summit. Spotted knapweed treated near Middle Gate. Musk thistle treated in Reese River Valley.

Hwy 93 north of Ely – Weeds that are known to be present are spotted knapweed, hoary cress, musk thistle, Scotch thistle, water hemlock, Canada thistle, and Russian knapweed. Heavy infestation of spotted knapweed from Ely to just north of Hwy 490 with small infestations of hoary cress, musk thistle, spotted knapweed, Canada thistle, water hemlock, and Scotch thistle from Hwy 490 to Lauges Junction. No Russian knapweed was found this year.

Hwy 93 south of Ely – Weeds that are known to be present are spotted knapweed, diffuse knapweed, Russian knapweed, salt cedar, Scotch thistle, perennial pepperweed, Sahara mustard and Dalmatian toadflax. Heavy infestations of spotted knapweed around junction of Hwy 50-6 and Hwy 93 decreasing in frequency to Pony Springs. The infestations increase once again to Panaca. Scotch thistle and spotted knapweed were found and treated on Oak Springs Summit and Delamar Valley. No weeds were found south of Alamo to the Clark County line. Heavy infestations of Dalmatian toadflax found between the intersection of Hwy 93 and Hwy 321 but decreasing in intensity to Bristol Wells Road with the exception of large infestations in the burn area.

Hwy 95 – Weeds that are known to be present are salt cedar, diffuse knapweed, spotted knapweed, Sahara mustard and Russian knapweed. The Russian exists by the Nye and Esmeralda county line. Heavy infestations of salt cedar exist north and south of the Beatty area. Sahara mustard was treated starting just south of Beatty and ending north of the Clark County line. There also a large infestation of Sahara mustard treated in Armagosa Valley.

Hwy 160 – Weeds known to be present are Sahara mustard, Malta starthistle, Russian knapweed and Scotch thistle. Sahara mustard was found and treated between Pahrump and the county line and in the material site near the junction of Hwy 160 & 95. Malta starthistle was also treated in the Pahrump area.

Hwy 267 – No weeds present in 2016.

Hwy 317 – Weeds that are known to be present are spotted knapweed, hoary cress, Scotch thistle, poison hemlock, and perennial pepperweed. No spotted knapweed found this year. We treated saltcedar along the right-of-way.

Hwy 318 – Weeds that are known to be present are spotted knapweed, hoary cress, Russian knapweed, Dalmatian toadflax, Scotch thistle, must thistle, and salt cedar. Overall the highway is clean. Isolated patches of Russian knapweed, spotted knapweed, and salt cedar exist to the Hwy 93 intersection. Small infestations of Scotch thistle were treated this year. Small infestations of spotted knapweed north of the White River Narrows were also treated. Russian knapweed was treated this year.

Hwy 319 – Weeds that are known to be present are Dalmatian toadflax, Scotch thistle, Russian knapweed, spotted knapweed, perennial pepperweed, and Scotch thistle. Small isolated patches of Scotch thistle are scattered along the entire route to the state line. One patch of spotted knapweed exists on the east side of Panaca Summit. Dalmatian toadflax exists approximately seven (7) miles east of Panaca. No Russian knapweed, spotted knapweed or perennial pepperweed found this year.

Hwy 320 – Weeds that are known to be present are spotted knapweed, musk thistle, Dalmatian toadflax and Scotch thistle. Spotted knapweed and Scotch thistle treated in 2016.

Hwy 321 – Weeds that are known to be present are spotted knapweed, Scotch thistle, and Dalmatian toadflax. Spotted knapweed and Scotch thistle was treated north of Pioche this year along this route.

Hwy 322 – Weeds that are known to be present are Dalmatian toadflax, spotted knapweed, puncture vine and Scotch thistle. Spotted knapweed treated around Junction 93. Scotch thistle treated along entire route. A new infestation of hoary cress was found and treated just east of Pioche.

Hwy 361 – Salt cedar is present along this route. The infestation is moderate just south of Gabbs, with small isolated patches to the north and south of the main infestation. Russian knapweed was found this year and treated.

Hwy 372 – From the intersection of Hwy 160 in Pahrump through the city limits are patches of Russian knapweed on both sides of the highway continuing to the state line. Malta starthistle and Russian knapweed were treated this year.

Hwy 373 – No weeds present in 2016.

Hwy 374 – No weeds present in 2016.

Hwy 375 – Russian knapweed occurs along this route however known was treated this year.

Hwy 376 – Weeds that are known to be present are salt cedar, Scotch thistle, perennial pepperweed and hoary cress. Hoary cress exists around Carver area. The salt cedar is located midway between Hwy 6 and Carver. Salt cedar appeared to be dead. Spotted knapweed treated near Round Mountain. Hoary cress and Russian knapweed treated in Carvers. Russian knapweed and perennial pepperweed treated north of Nye/Lander County line.

Hwy 377 – This highway was not treated in 2016.

Hwy 379 – There are small patches of both hoary cress and Russian knapweed. Perennial pepperweed was found this year and treated along with hoary cress. No Russian knapweed was found in 2016.

Hwy 487 - Spotted knapweed and Scotch thistle treated in 2016. Water hemlock treated in Baker.

Hwy 488 – Weeds that are known to be present are spotted knapweed and Russian knapweed. The spotted knapweed is just outside of the National Park boundary. The Russian knapweed is located on the road that connects Hwy 487 and Hwy 50. Spotted knapweed was found and treated next to the park boundary. No Russian knapweed was found this year.

Hwy 490 – Weeds that are known to be present are hoary cress, Russian knapweed and spotted knapweed. Heavy infestations of hoary cress occur from the intersection of Hwy 93 to Hercules Gap. Hoary cress was treated along the entire route. Small patches of spotted knapweed were treated but no Russian knapweed was found in 2016.

Hwy 844 – No weeds present in 2016.

Hwy 722 – Hoary cress and Russian knapweed were found and treated in 2016.

Hwy 892 – Weeds that are known to be present are hoary cress, musk thistle, bull thistle, Scotch thistle, spotted knapweed, perennial pepperweed and water hemlock with large infestations of musk just north of Hwy 50. All were found and treated this year.

Hwy 893 – Hoary cress, perennial pepperweed, spotted knapweed, Canada thistle and Scotch thistle were treated in the spring. No Russian knapweed was present this fall.

Hwy 894 – Musk thistle and spotted knapweed were treated this year along this route.

Hwy 895 – Not treated in 2016.

Hwy 168 – Russian knapweed is known to be present at the Glendale interchange in the Moapa Valley and next to the Warm Springs Ranch. No weeds found in 2016.

Ely Station – Spotted knapweed was treated at this station in 2016

OBSERVATIONS OF THE 2016 SEASON

High moisture levels during the winter lead to high germination rates across most of the area of coverage. New infestations were found and treated. It was an excellent year to manage the seed soil bank. We targeted saltcedar in a number of areas that we have not focused on in some time.

Miscellaneous Income		
<i>Source</i>	<i>Description</i>	<i>Amount</i>
Miscellaneous Reimbursements	<i>POOL</i>	\$22,490.43

Vaught, Brandon	<i>reimbursement</i>	\$47.12
Money Market Interest Income	<i>Mellon Investments & Wells Fargo Securities</i>	\$873.97
BP Livestock	<i>Herbicide</i>	\$2,470.00
APEX	<i>Matt Tracks and Herbicide</i>	\$1,372.00
Total Miscellaneous Income		\$27,206.40

PRIVATE LANDOWNERS AND/OR COOPERATIVE WEED MANAGEMENT AREAS (CWMA)				
<i>Southern Nevada Water Authority</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA (Spring Valley)</i>
Subcontract #X0329 Ground Water Development Project-Ranch Treatments	<i>musk thistle, hoary cress, bull thistle, perennial pepperweed, spotted knapweed, cocklebur, burdock, Canada thistle, field bindweed, Scotch thistle, common mullin.</i>	299.97	\$30,049.68	\$90.00
Subcontract #X0329-Well Sites	<i>bareground</i>	25.38	\$4,950.32	n/a
SNWA X0355 Warm Springs, Project X0423 (<i>spring treatment</i>)	<i>Malta starthistle, Russian thistle, hoary cress, perennial pepperweed, Russian knapweed, bareground, silver nightshade, Johnson grass</i>	155.95	\$16,577.87	n/a
SNWA Warm Springs (<i>fall treatment</i>)	<i>Johnson grass; silverleaf nightshade; perennial pepperweed; Russian knapweed;</i>	44.39	\$10,311.01	n/a
Total Southern Nevada Water Authority		525.69	\$61,888.88	\$90

PRIVATE LANDOWNERS BY COUNTIES				
<i>Lincoln County</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
n/a	n/a	n/a	n/a	n/a
Total Lincoln County Landowners		n/a	\$0.00	\$0.00
<i>Nye County</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Bradshaw, Norma	<i>herbicide</i>	n/a	\$44.00	n/a
Craig, Georgia	<i>puncturevine, bareground</i>	0.25	\$139.01	n/a
Eastley, Joni	<i>bareground</i>	0.54	\$128.68	n/a
Galvin, Patty	<i>bareground</i>	0.19	\$60.61	n/a

Joyner, Kari	<i>herbicide</i>	n/a	\$61.00	n/a
Kretchmer, Ray	<i>hoary cress</i>	35.24	\$1,946.89	n/a
<i>TCWC In-Kind</i>			<i>\$108.00</i>	
Manzonie, Denny	<i>herbicide</i>	n/a	\$69.00	n/a
Marquez, Steve	<i>herbicide</i>	n/a	\$67.80	n/a
M&K Enterprise C&C Mini Storage and Joe Westerland	<i>bareground</i>	1.43	\$450.55	n/a
Paul, Joe	<i>bareground</i>	0.08	\$64.34	n/a
Round Mountain Gold	<i>hoary cress, perennial pepperweed, spotted knapweed, bareground</i>	4.47	\$835.25	n/a
Round Mountain Gold	<i>broadleaf</i>	53.75	\$1,969.50	n/a
Seifman, William	<i>herbicide</i>	n/a	\$148.00	n/a
Town of Tonopah	<i>bareground</i>	3.06	\$2,506.22	n/a
Tonopah Water District	<i>bareground</i>	11.8	\$1,702.47	n/a
Town of Belmont; Buildings and Grounds	<i>bareground</i>	6.09	\$558.90	n/a
Town of Belmont; Roads	<i>Scotch thistle & bareground</i>	6.29	\$906.47	n/a
Van Huisen, Dale	<i>bareground</i>	0.09	\$66.95	n/a
Total Nye County Landowners		123.28	\$11,725.64	n/a

<i>White Pine County</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Anderson, Wendy	<i>herbicide</i>	n/a	\$17.69	n/a
Bald Mountain-Kinross <i>Mine Man Camp</i>	<i>bareground</i>	13.32	\$1,964.75	n/a
Bald Mountain Kinross (<i>Summer treat</i>)	<i>musk thistle, bull thistle, hoary cress, Scotch thistle, black henbane, saltcedar</i>	19.06	\$24,122.12	n/a
Bald Mountain-Kinross (<i>Fall Treatment</i>)	<i>musk thistle; saltcedar; bull thistle; hoary cress; houndstounge</i>	84.23	\$23,144.81	n/a
Bradley, Vernon	<i>bareground</i>	0.45	\$231.50	n/a
Chachas, George 5.5.16	<i>bareground</i>	0.98	\$258.94	
Chachas, George	<i>hoary cress</i>	1.63	\$374.16	
Ciscar, Javier	<i>bareground</i>	3.48	\$597.26	n/a
Criner, Jan	<i>bareground</i>	0.55	\$169.18	n/a
Duckwater Shoshone Tribe (<i>Spring treatment</i>)	<i>perennial pepperweed, Scotch thistle, hoary cress, water hemlock, poison hemlock</i>	221.0	\$25,678.95	n/a

Duckwater Shoshone Tribe- (Fall treat)	<i>Russian knapweed</i>	231.63	\$27,321.05	n/a
<i>TCWC In-kind</i>	<i>\$2,276.62</i>			
Eldridge, Robin	<i>bareground</i>	2.11	\$329.90	n/a
Evans, John, 3.22.16	<i>herbicide</i>	n/a	\$9.28	n/a
Evans, John, 5.5.16	<i>herbicide</i>	n/a	\$9.28	n/a
Evans, John, 5.13.16	<i>herbicide</i>	n/a	\$5.69	n/a
Evans, John, 9.12.16	<i>herbicide</i>	n/a	\$21.00	n/a
GRP Pan Mine	<i>bareground</i>	11.25	\$1,500.00	n/a
<i>TCWC In-kind</i>	<i>\$161.99</i>			
Leavitt, Paul	<i>herbicide</i>	n/a	\$219.50	n/a
Marietta, Henry	<i>bareground</i>	0.20	\$68.60	n/a
Mt Wheeler Power Calico	<i>Russian olive</i>	20.70	\$1,028.92	n/a
Mt. Wheeler Power	<i>herbicide</i>	n/a	\$92.00	n/a
Ostlund, Bob	<i>herbicide</i>	n/a	\$10.19	n/a
Reck Brothers	<i>bareground</i>	2.98	\$601.05	n/a
Thomas Petroleum	<i>bareground</i>	3.5	\$664.89	n/a
White Pine County Care Center	<i>bareground</i>	1.05	\$379.80	n/a
White Pine Museum	<i>bareground</i>	.99	\$202.00	n/a
<i>TCWC in-kind</i>	<i>\$136.93</i>			
Total White Pine County Landowners		619.11	\$109,022.51	n/a

Tonopah Conservation District (TCD)	Species Targeted	Acreage	Private Landowner	CWMA
Battle Mountain BLM-TCD's Agreement L12AC0001, Treat 2	<i>hoary cress, perennial pepperweed</i>	2,377.4	\$44,665.47	n/a
Battle Mountain BLM-TCD's, Agreement L12AC0001, Treat 3	<i>hoary cress, perennial pepperweed, Scotch thistle, musk thistle</i>	603.85	\$20,078.94	n/a
Battle Mountain BLM-TCD's Agreement No: L12AC0001, Treat 4	<i>Russian knapweed</i>	1.36	\$2,879.27	n/a
Battle Mountain BLM-TCD's Agreement No: L12AC0001, Mod 2	<i>Russian knapweed</i>	132.58	\$6,000.00	n/a
<i>TCWC In-kind</i>	<i>\$3,106.95</i>			
Total Tonopah Conservation District		3,115.19	\$73,623.68	n/a

COOPERATIVE WEED MANAGEMENT AREAS (CWMA)				
<i>No. Nye/Esmeralda CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>TCD</i>
Boni, Keith	<i>bareground</i>	0.60	\$112.50	\$37.50
Dessauer, Numa	<i>Scotch thistle, bareground</i>	0.25	\$46.87	\$15.63
Eckhart, Kurt	<i>Scotch thistle</i>	0.04	\$75.00	\$25.00
Galvin, Stan	<i>puncture vine, bareground</i>	0.41	\$115.40	\$18.75
Jepsen, Diana	<i>bareground</i>	0.50	\$93.75	\$31.25
Motis, Rick, Mottis Shop, 04.21.16	<i>bareground</i>	0.47	\$145.56	n/a
Motis, Rick, Town of Belmont, 04.19.16	<i>bareground</i>	0.55	\$103.12	\$34.38
Terras, John	<i>bareground</i>	1.20	\$255.00	\$45.00
Total No. Nye & Esmeralda Counties CWMA		8.14	\$947.20	\$207.51
<i>Golden Gate CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Uhalde, Gracian; Adaven	<i>Scotch thistle, hoary cress</i>	65.10	\$3,840.68	\$2,000.00
Total Golden Gate CWMA & Members		65.10	\$3,840.68	\$2,000.00
<i>Newark-Long Valley CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Cowboys Rest	<i>herbicide</i>	n/a	n/a	\$480.00
Goicoechea Ranches	<i>spotted knapweed</i>	0.17	n/a	\$457.13
Grecian Uhalde, Thirty Mile	<i>hoary cress</i>	62.19	\$2,137.30	\$2,000.00
Total Newark/Long Valley CWMA & Members		62.36	\$2,137.30	\$2,937.13

<i>Pahranagat Valley CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Biggs, Roxy	<i>herbicide</i>	n/a	n/a	\$91.00
Meldrum, Steve	<i>herbicide grant, spray parts</i>	n/a	\$224.02	\$903.25
Stewart, Edward	<i>herbicide</i>	n/a	\$324.00	n/a
Total Pahranagat Valley CWMA & Members		n/a	\$548.02	\$994.25
<i>Railroad Valley CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Bradshaw, Norma	<i>Russian knapweed</i>	0.2	n/a	\$310.72
Currant Creek Ranch	<i>herbicides</i>	n/a	n/a	\$303.00

WP Conservation Grant	<i>poison hemlock, bull thistle, hoary cress</i>	.45	n/a	\$900.00
Forsgren, Alan	<i>water hemlock, bull thistle</i>	14.65	\$800.55	\$400.00
Total Railroad Valley CWMA & Members		15.30	\$800.55	\$1,913.72
<i>Snake Valley CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Hidden Canyon Ranch-Robin Crouch	<i>Canadian thistle, houndstongue</i>	0.79	n/a	\$460.38
Hidden Canyon Ranch-HT	<i>Canadian thistle, houndstongue</i>	3.10	n/a	\$2,166.53
Hidden Canyon Ranch 2	<i>houndstongue</i>	.20	n/a	\$922.41
Baker Ranches	<i>Russian olive; Russian knapweed; saltcedar</i>	3.26	n/a	\$2,495.75
Baker Ranches HT	<i>houndstongue</i>	.11	n/a	\$918.01
Baker Ranches, Upper Strawberry	<i>pasture</i>	0.09	n/a	\$360.82
Gonder, Daisy	<i>spotted knapweed</i>	1.0	n/a	\$369.34
Home Farm 2	<i>bull thistle; Scotch thistle; musk thistle; houndstongue</i>	0.15	n/a	\$763.55
4Jordan, Ron	<i>spotted knapweed</i>	0.08	n/a	\$155.18
School of Natural Order	<i>houndstongue</i>	0.63	n/a	\$2,015.76
Sturlin, David, Baker	<i>spotted knapweed</i>	1.18	n/a	\$269.28
Town of Baker	<i>spotted knapweed</i>	0.21	n/a	\$253.06
Weisbrot, Ed	<i>musk thistle</i>	0.21	n/a	\$461.15
Total Snake Valley CWMA & Members		11.01	\$0	\$11,611.22

<i>Southern Nevada CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
n/a	n/a	n/a	n/a	n/a
Total Southern Nevada CWMA & Members		0	\$0.00	\$0.00
<i>Spring Valley CWMA</i>	<i>Species Targeted</i>	<i>Acreage</i>	<i>Private Landowner</i>	<i>CWMA</i>
Andrea, Art ;7.29.16	<i>herbicide</i>	n/a	n/a	\$26.38
Andrea, Art; 6.07.16	<i>herbicide</i>	n/a	n/a	\$26.38
Cleveland Ranch; Delmar Valley	<i>herbicide</i>	n/a	\$451.76	\$667.24
Cleveland Ranch 5.20.16	<i>herbicide</i>	n/a	\$280.00	n/a
Cleveland Ranch 8.16.16	<i>herbicide</i>	n/a	\$46.00	n/a
Fillman, Pat	<i>herbicide</i>	n/a	\$11.00	\$90.00
Parker, Bart; Parker Ranch	<i>Canada thistle</i>	12.0	n/a	\$902.97

Vogler, Hank	<i>evaluation & monitoring; wild iris</i>	21.84	\$1,133.81	\$1,133.82
Total Spring Valley CWMA & Members		33.84	\$1,922.57	\$2,846.79
Steptoe/Butte Valley CWMA	Species Targeted	Acreage	Private Landowner	CWMA
Ag District 13	<i>spotted knapweed</i>	1.12	\$39.21	\$50.00
Bath, Jim; 05.16.16	<i>herbicide</i>	n/a	n/a	\$26.98
Bath Jim 07.27.16	<i>herbicide</i>	n/a	\$47.74	\$23.02
Bath, Jim 10.03.16	<i>herbicide</i>	n/a	\$321.00	n/a
Bradley, Burk	<i>spotted knapweed</i>	0.09	\$52.06	\$50.00
Bustos, Rab	<i>hoary cress</i>	0.17	\$28.96	\$50.00
Carson, Keith	<i>barley foxtail</i>	5.0	\$223.46	\$50.00
Carson, Laurie	<i>bur buttercup</i>	0.77	\$70.48	\$50.00
Connors, Rod	<i>foxtail</i>	0.20	\$324.83	\$50.00
Georgetown Ranch	<i>poison hemlock, waterhemlock, hoary cress</i>	2.93	\$610.00	\$30.75
Georgetown Ranch 11.5.16	<i>Russian knapweed, bull thistle</i>	1.4	n/a	\$332.71
Godon, Brian	<i>herbicide</i>	n/a	n/a	\$75.00
Hermansen, Bret	<i>hoary cress, spotted knapweed</i>	1.36	\$220.43	\$50.00
Hermansen, Bret 04.14.16	<i>hoary cress, spotted knapweed</i>	1.36	\$321.43	n/a
Jordan, Ron	<i>hoary cress</i>	10.73	\$326.51	\$50.00
Jordan, Zane	<i>hoary cress</i>	0.31	\$62.40	\$50.00
J&M Trucking	<i>spotted knapweed</i>	1.65	\$227.07	\$50.00
Learning Bridge School	<i>bull thistle, spotted knapweed</i>	1.02	\$54.49	\$50.00
Mase, Colleen	<i>herbicide</i>	n/a	\$12.00	\$50.00
Netcher, Janet	<i>spotted knapweed; buttercup</i>	1.61	\$150.74	\$50.00
Ollilia, Shelly	<i>hoary cress</i>	0.50	\$124.75	\$50.00
Robison, Austin	<i>hoary cress</i>	0.20	\$27.54	\$50.00
Robison, Doug	<i>hoary cress</i>	0.49	\$70.14	\$50.00
Robison, Pat	<i>hoary cress</i>	0.01	\$6.48	\$50.00
Tehama Creek Ranch/Kathy Smith	<i>hoary cress</i>	1.9	850.19	\$50.00
Uhalde, Grecian	<i>herbicide</i>	n/a	\$1,293.40	\$50.00

Valley View RV Park	<i>hoary cress, spotted knapweed</i>	0.26	\$111.74	\$50.00
White Pine Golf Course	<i>hoary cress, spotted knapweed</i>	11.12	n/a	\$580.00
Wines, Karen	<i>hoary cress, Scotch thistle</i>	0.02	n/a	\$38.70
Wilson, Jenny	<i>hoary cress</i>	1.2	\$271.08	\$50.00
Windows, Vince	<i>hoary cress; buttercup</i>	1.2	\$59.75	\$50.00
4H Livestock Show	<i>spotted knapweed, bareground</i>	3.35	\$419.23	\$50.00
Total Steptoe/Butte Valley CWMA & Members		49.80	\$3,741.00	\$1,368.70
Upper Meadow Valley CWMA	Species Targeted	Acreage	Private Landowner	CWMA
Hornbeck, Ronda	<i>puncture vine</i>	0.70	n/a	\$246.45
Meadow Valley Drainage ST	<i>Scotch thistle</i>	0.25	n/a	\$619.85
Ursine Dump ST	<i>Scotch thistle</i>	0.31	n/a	\$267.01
Yach, Joyce	<i>puncture vine</i>	0.35	n/a	\$128.58
Total Upper Meadow Valley CWMA & Members		1.61	n/a	\$1,261.89
White River Valley CWMA	Species Targeted	Acreage	Private Landowner	CWMA
Ashworth, John	<i>hoary cress</i>	4.12	n/a	\$164.33
Bennett, Kim	<i>herbicide</i>	n/a	n/a	\$26.00
Bohrn Shane	<i>herbicide</i>	n/a	n/a	\$230.00
Carter, Steve	<i>herbicide</i>	n/a	\$4208.00	\$230.00
Denton, John	<i>herbicide</i>	n/a	\$15.00	\$230.00
Gardner, Brent	<i>herbicide</i>	n/a	\$2,352.00	\$230.00
Gardner, Brent 05.31.16	<i>herbicide</i>	n/a	\$224.00	n/a
Gardner, Brent 10.13.16	<i>herbicide</i>	n/a	\$522.00	n/a
Gubler, E.H	<i>herbicide</i>	n/a	\$2,497.00	\$230.00
Gubler, Denton	<i>herbicide</i>	n/a	\$240.00	\$870.00
Halstead, Dan	<i>hoary cress</i>	2.15	n/a	\$219.01
Hendrix, Norris	<i>herbicide</i>	n/a	n/a	\$45.00
Ivins, Kerrich	<i>herbicide</i>	n/a	n/a	\$230.00
Jensen, Daren	<i>herbicide</i>	n/a	\$77.80	\$230.00

Kirch NDOW	<i>Russian knapweed</i>	69.28	n/a	\$4,000.00
<i>TCWC In kind</i>	\$698.37			
Lane, Gary 09.30.16	<i>herbicide</i>	n/a	\$270.00	n/a
Lane, Gary 05.20.16	<i>herbicide</i>	n/a	\$2,040.00	n/a
Lane, Gary	<i>herbicide</i>	n/a	\$1,810.00	\$230.00
Lund Volunteer Day	<i>herbicide</i>	n/a	n/a	\$556.55
Macfarlan, Betsy	<i>pasture</i>	19.32	\$836.25	\$230.00
Maynard, Orvan	<i>herbicide</i>	n/a	\$47.00	\$230.00
Rosevear, Dan	<i>herbicide, hoary cress</i>	4.46	\$774.75	\$230.00
Rosevear, Dan 06.17.16	<i>herbicide</i>	n/a	\$91.00	n/a
Rosevear, Tom	<i>herbicide</i>	n/a	\$139.00	\$230.00
Scotch thistle & houndstongue Grant	<i>scotch thistle, houndstongue</i>	27.70	n/a	\$4,079.26
<i>Total White River Valley CWMA & Members</i>		<i>126.53</i>	<i>\$16,143.80</i>	<i>\$7,163.59</i>
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<i>Total CWMA's & Members</i>		<i>373.69</i>	<i>\$30,081.12</i>	<i>\$32,304.80</i>
<i>Total Private Landowners Not Included in the CWMA's</i>		<i>3,857.58</i>	<i>\$194,369.83</i>	<i>n/a</i>
<i>State and Federal Agencies</i>		<i>1,020,734.56</i>	<i>\$723,675.77</i>	<i>\$90.00</i>
<i>Miscellaneous Income</i>			<i>\$27,206.40</i>	
<i>Total Project</i>		<i>1,024,965.83</i>	<i>\$975,333.12</i>	<i>\$32,394.80</i>

In 2015, Tri-County Weed Control's net income was \$1,064,119.20. In 2016, Tri-County Weed Control's total income was \$1,014,108.78, less TCWC in-kind of \$6,380.86, for a net total of \$1,007,727.92. This is a decrease of approximate 5.5% from 2015.