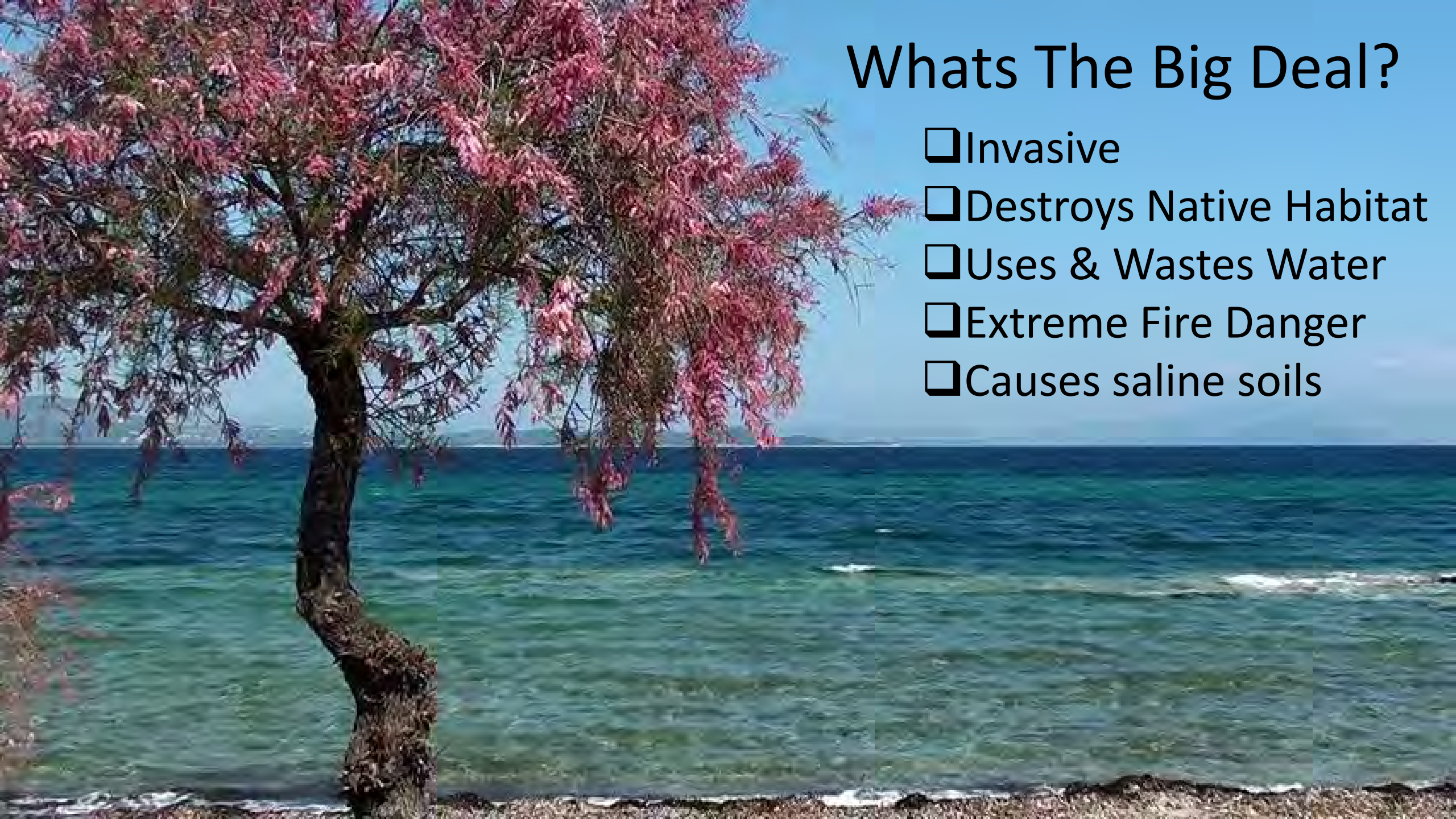
Salt Cedar Management In The Middle Rio Grande

Socorro Soil & Water Conservation District



Whats The Big Deal?

- ❑Invasive
- ❑Destroys Native Habitat
- ❑Uses & Wastes Water
- ❑Extreme Fire Danger
- ❑Causes saline soils

“These plants contain salt that they deposit through their leaves. Other riparian species are unable to survive the salty conditions and Saltcedar can then become the only plant growing in an area. Some reports show that one acre of Saltcedar can use 7.7 acre feet of water a year (2.8 million gallons).”

-Colorado Weed Management Association


VOLVO

Ok, so it’s bad. How do we eradicate it?

- Biological Control
- Chemical Control
- Mechanical Control

Biological Control

- The Salt cedar bug (diorhabda elongata spp.)
- Now widely spread throughout the entire state.
- Defoliates trees, but hasn’t caused significant mortality.
- Stunts growth, slows reproduction.
- Helps, but is not a solution.

Chemical Control

- Herbicide from the ground, air, or on stumps.
- Essentially pointless now that the Salt cedar bug is established.
- Herbicide cannot enter the tree in sufficient quantities due to defoliation.
- Bugs are fatally sensitive to herbicide.

Mechanical Control

Extract, Pile, Burn

Extract & Mulch

Remove & Root Plow

Remove & Root Plow


CATERPILLAR


Write a description for your map.
1996
Dibbed Polygon

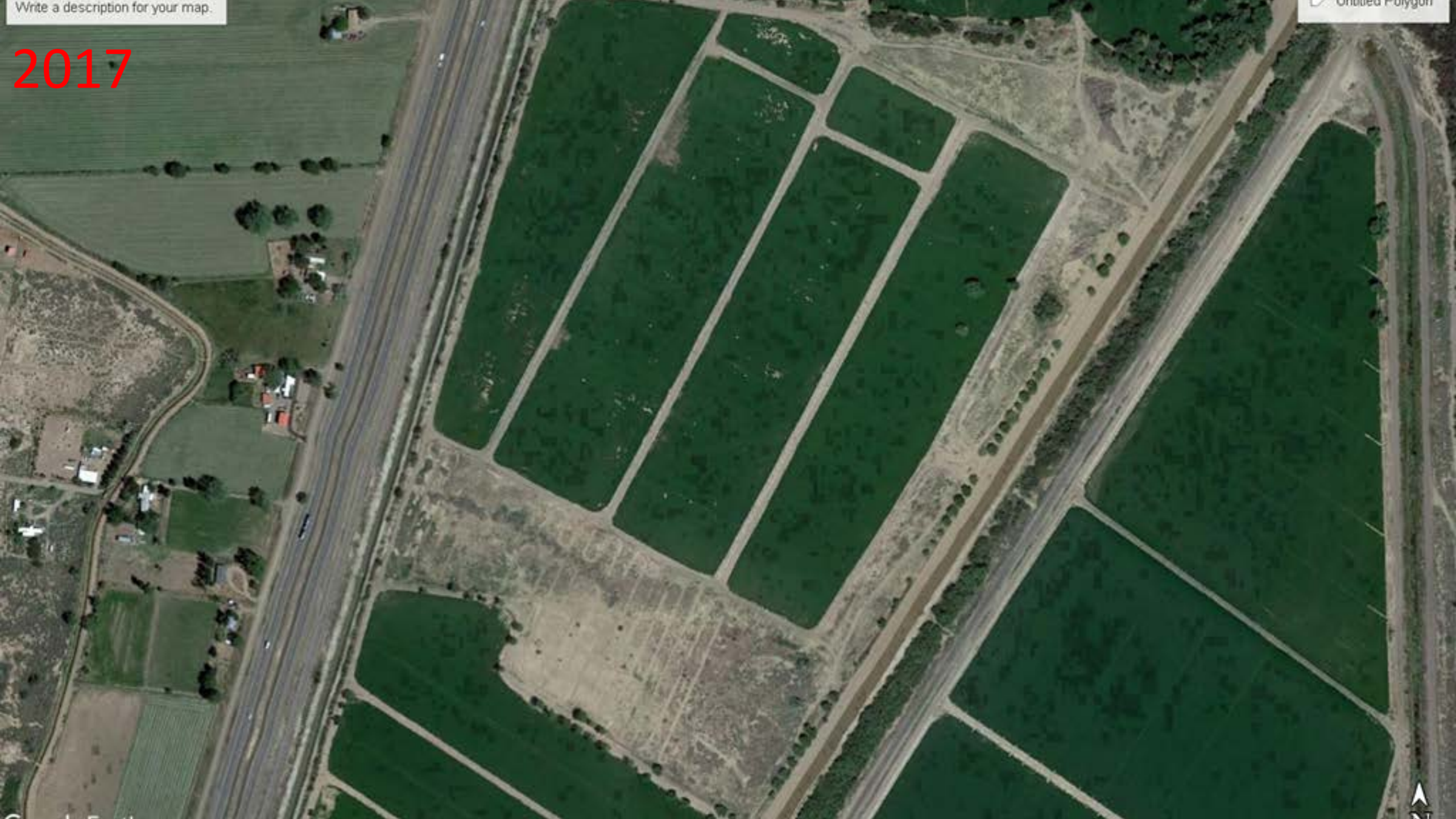

2005
25
NW Frontage Rd
Low Flow Conveyance Channel Service Rd


2005
25
NW Frontage Rd
I-25 Frontage Rd
Flow Conveyance Channel Service Rd


2009
25
NW Frontage Rd
I-25 Frontage Rd
Low Flow Conveyance Channel Service Rd


2011
25
NW Frontage Rd
I-25 Frontage Rd
Low Flow Conveyance Channel Service Rd


2013
25
NW Frontage Rd
I-25 Frontage Rd
Low Flow Conveyance Channel Service Rd


Write a description for your map.
2017
Untitled Polygon

Dean Property

Holme

Gonzales Property

Carangelo Property

Following is a summary of the acreage that we done to date using this funding

Tract and Practices	Acreage	Funding Year	Funding Amount
Thomas tract, Whitaker tract, Lawrence tract/extraction and mulching	17.17 acres	FY 2008	$42,000
NM Department of Game & Fish Extraction and mulching	26 acres	FY 2009	$42,000
Valdez tract, Pepplar tract Root plowing/raking into burn piles	73.1 acres	FY 2010	$38,558
NM Department of Game and Fish-Ladd S Gordon Refuge Extraction, piling, seeding	102 acres	FY 2011	$36,549
Carangelo tract Root plowing/raking followed with reveg planting Herkenhoff tract Paddle scraping	119.1 acres	FY 2012	$34,720
Bourne/Babcock tract Extraction and piling, grass seeding	23 acres	FY 2013	$34,720
Armijo tract Extraction/windrowing	51.8 acres	FY 2014	$34,720
Bruton tract Root plowing/raking Armijo/Gonzales and Bourne/Babcock tracts Fencing and Noxious weed treatment	101 acres	FY 2015	$34,625
Gonzales tract Root plowing/raking Shrub purchase for follow up plantings	31.2 acres	FY 2016	34,417.25
Dean tracts Extraction/root plows Extraction/root plow/rake into piles for burning	35 acres	FY 2017	$31,375