



INVASIVE SPECIES UPDATE



2015 Inspection Station

Hwy 20

Total Inspections – 5,199

Boats from fouled water – 29

Boats with weeds – 53

Hotwashed boats – 5

Boats with standing water – 7

Hwy 87

Total Inspections – 2,374

Boats from fouled water – 8

Boats with weeds – 3

Hotwashed boats – 11

Boats with standing water – 0

Total inspections for all stations in 2015 was 63,229

Total hotwashed boats – 657

Total boats with weeds - 283

Dreissena polymorpha
(Zebra mussel)
(Actual size = 15 mm)



Sits flat on ventral side

Triangular in shape

Color patterns vary

Dreissena rostriformis bugensis
(Quagga mussel)
(Actual size = 20 mm)



Will not sit flat on ventral side, topples over

Rounder in shape

Dark concentric rings on shell

Paler in color near the hinge

Quagga/Zebra mussels

- • Zebra and quagga mussels both efficiently filter bacterioplankton ($< 1 \mu\text{m}$)
- • Large adults may filter up to 1 L / hr
- • Average ≈ 1.5 L / Day
- • 150,000 L / Day at a density of 100,000 mussels / m^2
- • Results in rapid water clarification
- • Removes phytoplankton and bacteria negatively impacting energy flow through food webs
- • Promotes toxic blue-green algae blooms
- • Quagga mussels are more efficient at filtering bacteria
- • Can lead to eventual replacement of zebra mussels by quagga mussels
- Produce 1 million eggs per female per year

Mussel Boat from Wisconsin



05/31/2015 01:31



Too Much Mussel_ Invasive species could threaten valley's water supply - News3LV.html

Flowering Rush







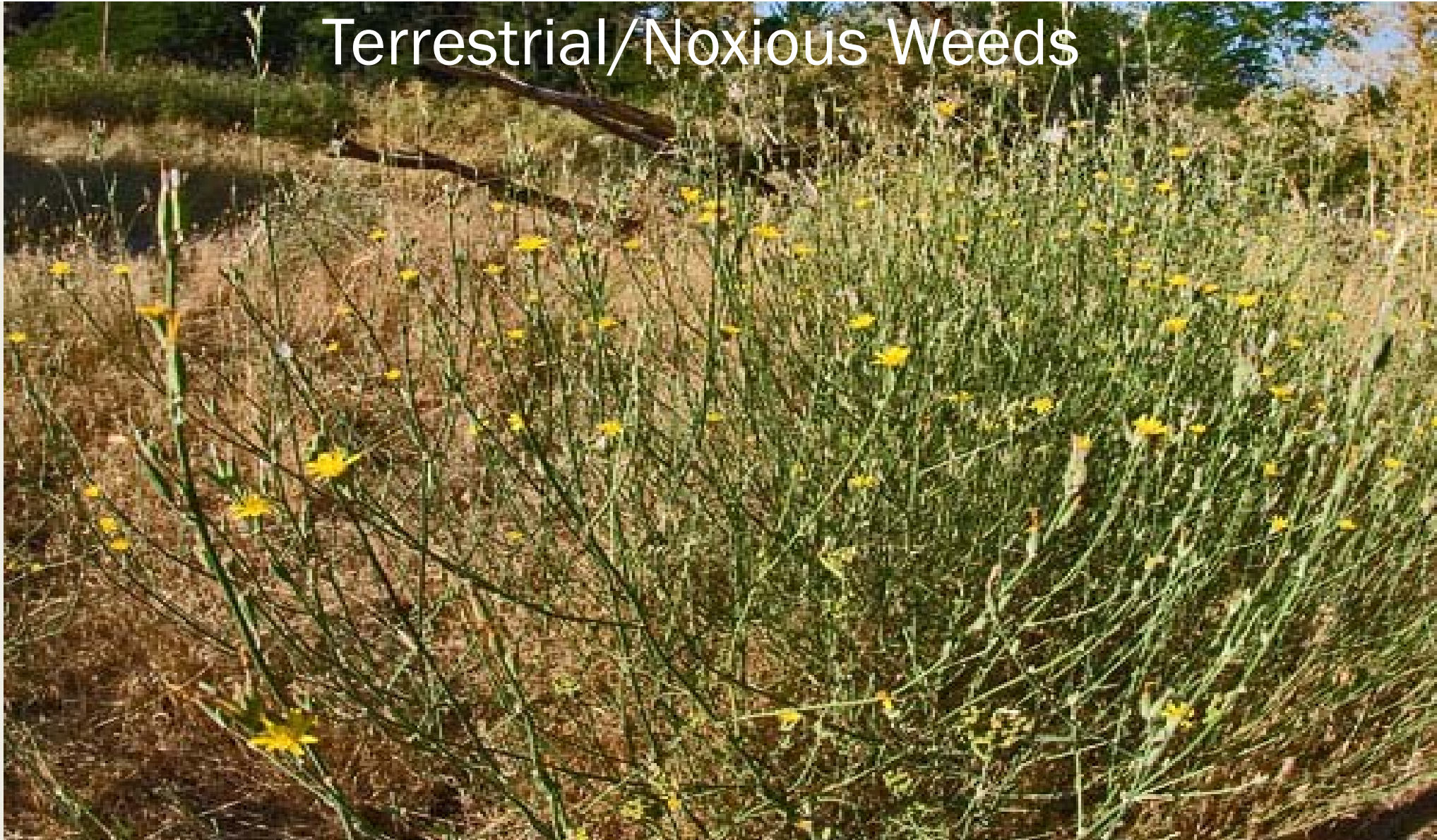
CurleyLeaf Pondweed







Terrestrial/Noxious Weeds

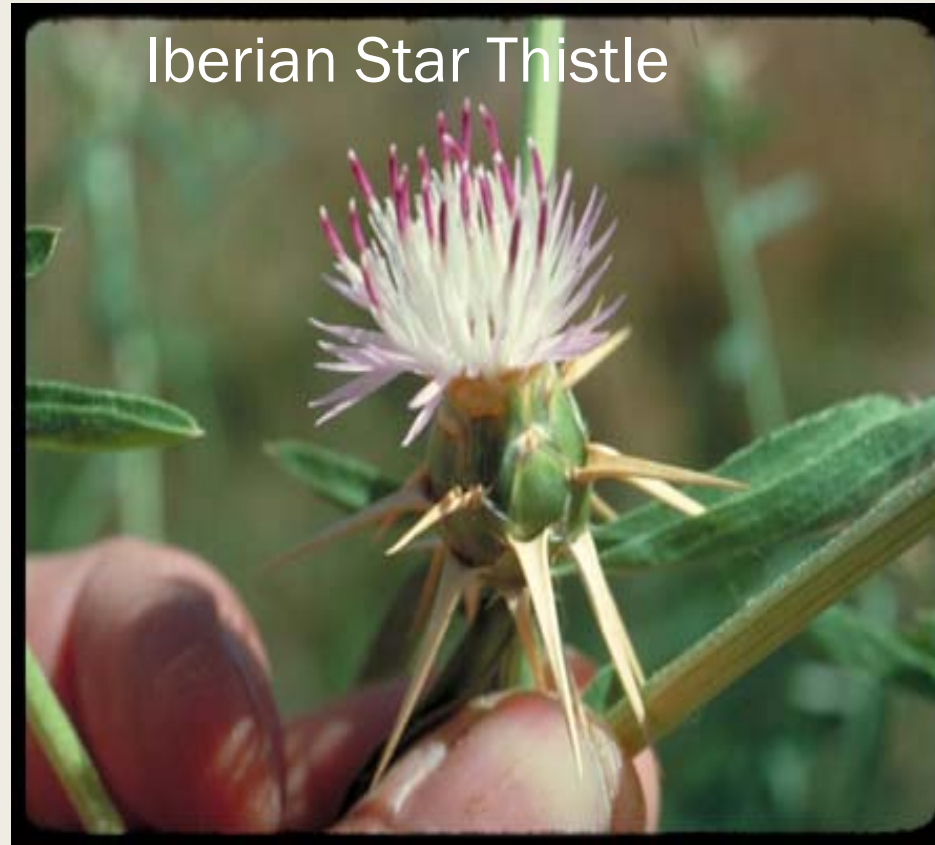


Two New Weeds Added

Purple Star thistle



Iberian Star Thistle



Henrys Fork Cooperative Weed Management Area (CWMA)



Questions ??????

Bryce Fowler

Fremont County Weed Control Supervisor