Native Plant Research Project Update

by Cathy Ford

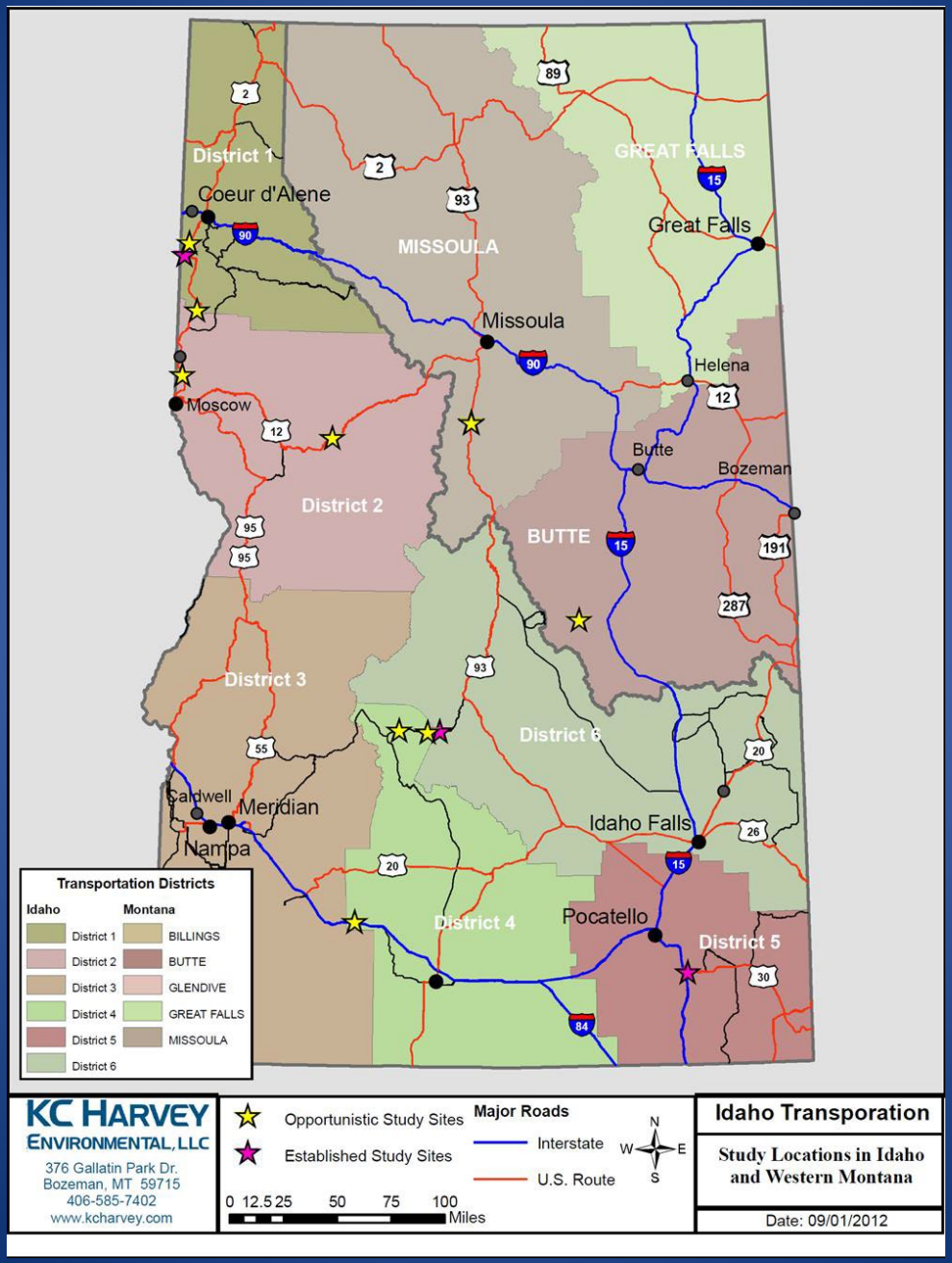
Project Tasks Completed

1. **Kickoff meeting -** completed
2. **Revisit and monitor 3 established sites and collect data -** completed
3. **Select ~ 12 new reclamation sites that received native seedings -** completed
4. **Evaluate the data collected from revisited and new sites -** completed

SITES VISITED 2012

- 3 Established Sites Revisited: Worley (sampled the wrong site), Clayton, McCammon
- 7 New Sites: Setters, Electrical Substation, Genesee, Syringa Creek, Glenns Ferry, Basin Creek, Clark Canyon (MT)
- 2 Sites visited but did not collect data US93 (MT) and Slate Creek Bridge (near Stanley)

Map of ITD Roadside Revegetation Sites Visited in 2012



REVIEW OF 2012 FIELD SEASON SITES



US-95 Setters to Bellgrove 2012

Northern Rockies Ecoregion

Idaho fescue 3.9
Sheep fescue 1.9
Epilobium spp.1.0







Electrical Substation Project 2004-2007





Revegetation Photos Taken in 2012







US-95 Electrical Substation 2012

Northern Rockies Ecoregion

Idaho fescue	34.5
Canada bluegrass	5.5
Oxeye daisy	5.6
Smooth brome	2.4
Lotus spp. Annual	2.0







US-95 Genesee to Thorn Creek 2012

Columbia Plateau Ecoregion

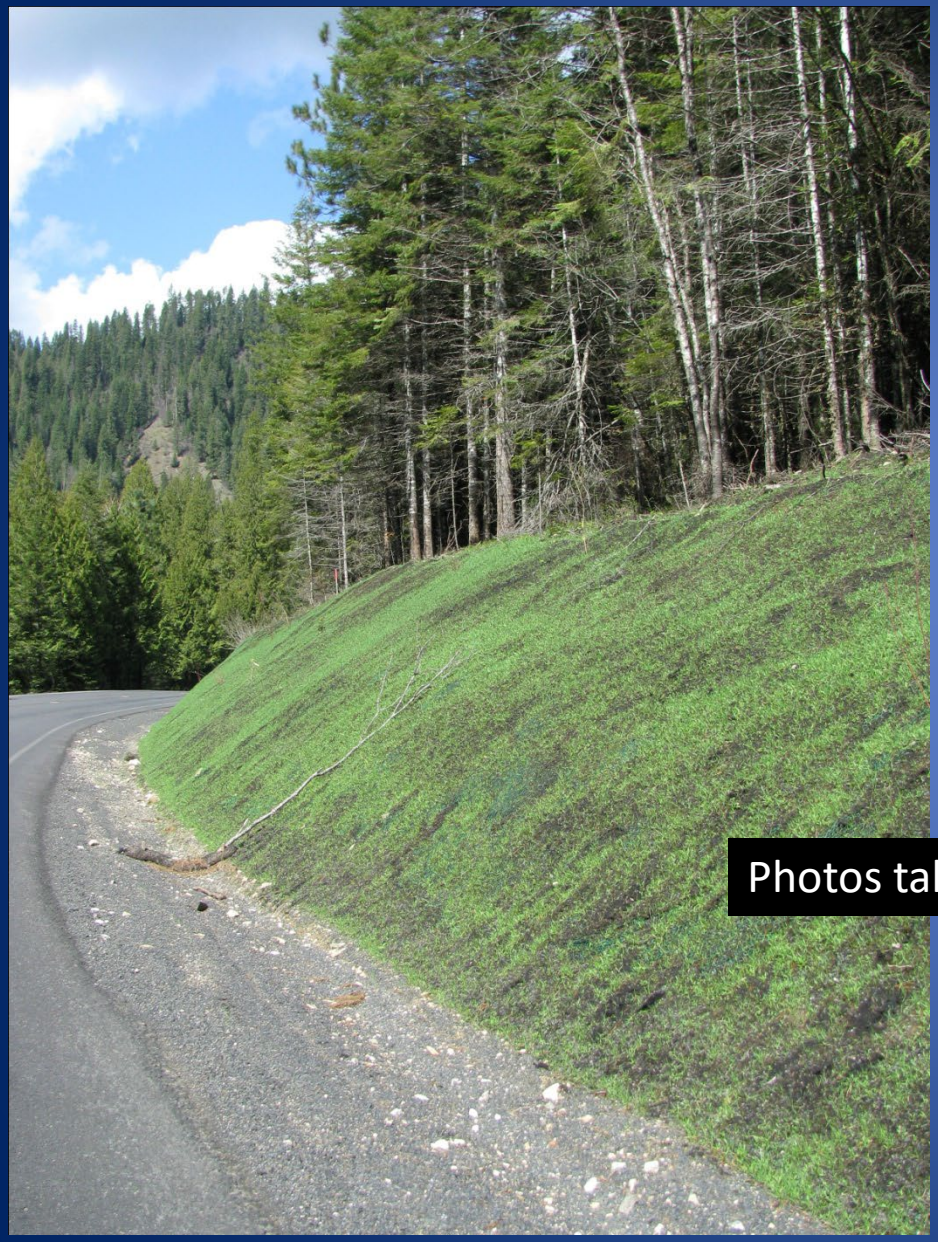
Crested wheatgrass	20.9
Thickspike wheatgrass	1.0
Idaho fescue	3.4







US-12 - Syringa Creek Project – Seeded Fall 2008





Compost blanket with seed applied then erosion blanket placed on top

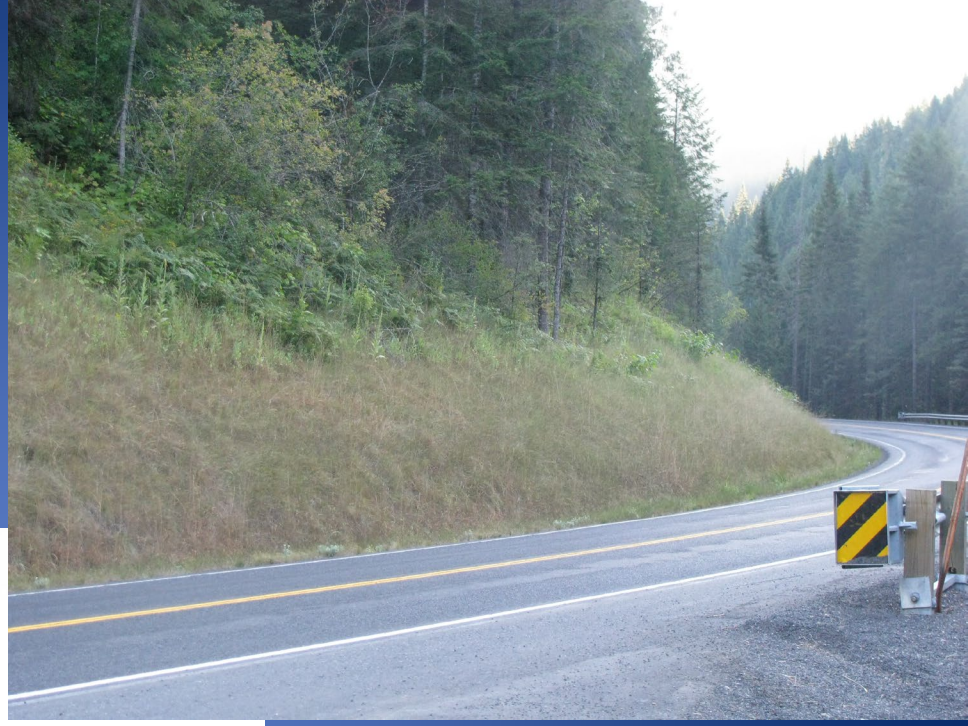
Photos taken April 2010



US-12 Syringa Creek 2012

Idaho Batholith Ecoregion

Canada bluegrass	38.8
Mountain brome	16.0
Hard fescue	7.1
Lactuca serriola	2.8

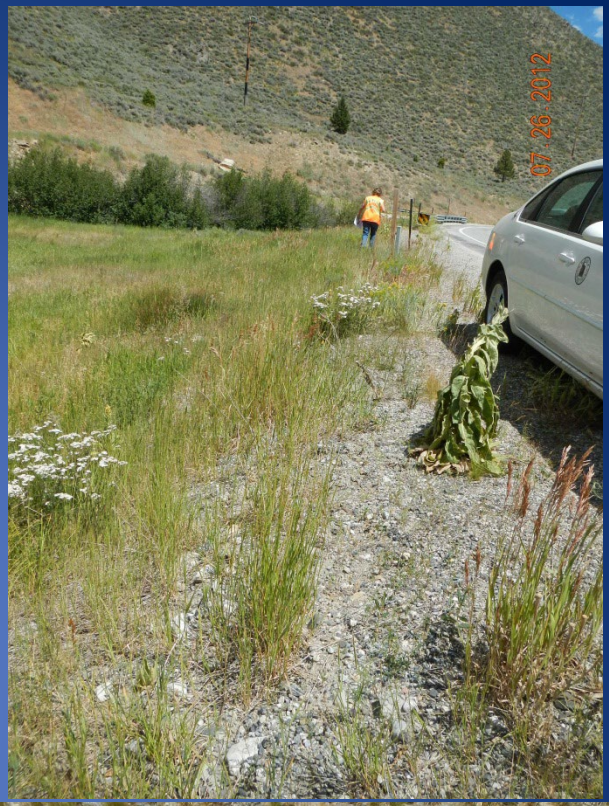




SH-75 Basin Creek Bridge 2012

Idaho Batholith Ecoregion

Sheep fescue	7.3
Canada bluegrass	2.7
Smooth brome	5.6
Yellow sweetclover	1.7









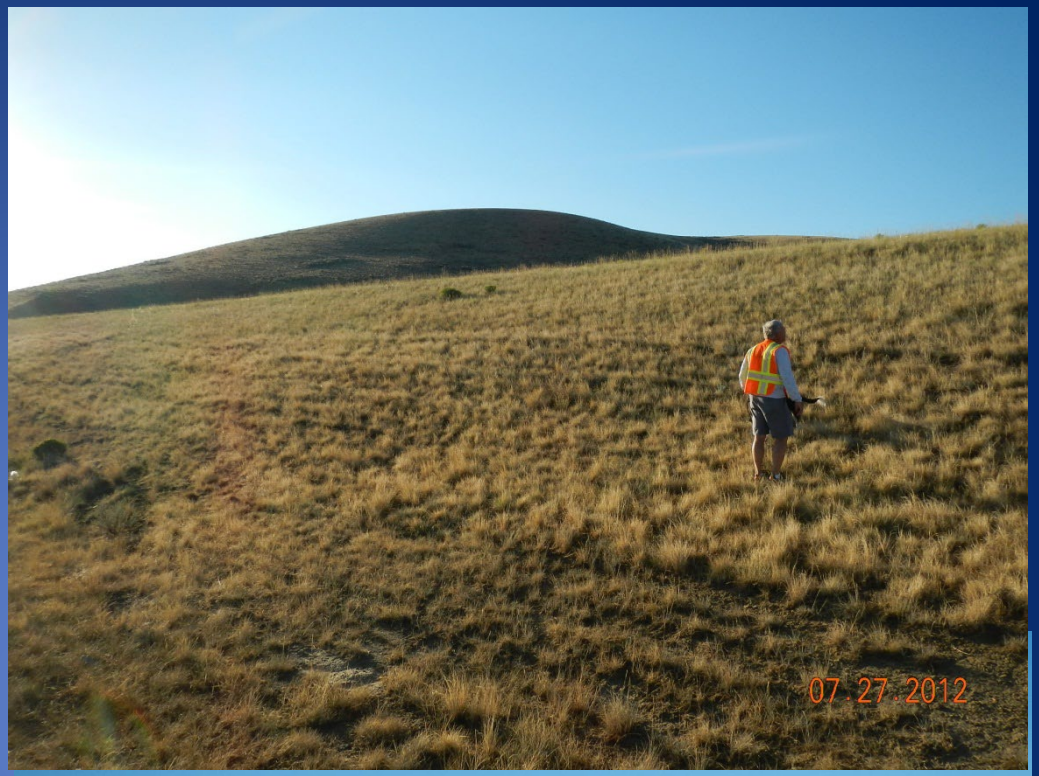
Clark Canyon Rd - MT

(SH-29 in ID)

Middle Rockies Ecoregion

Bluebunch wheatgrass	47.5
Western wheatgrass	3.4
Crested wheatgrass	2.6







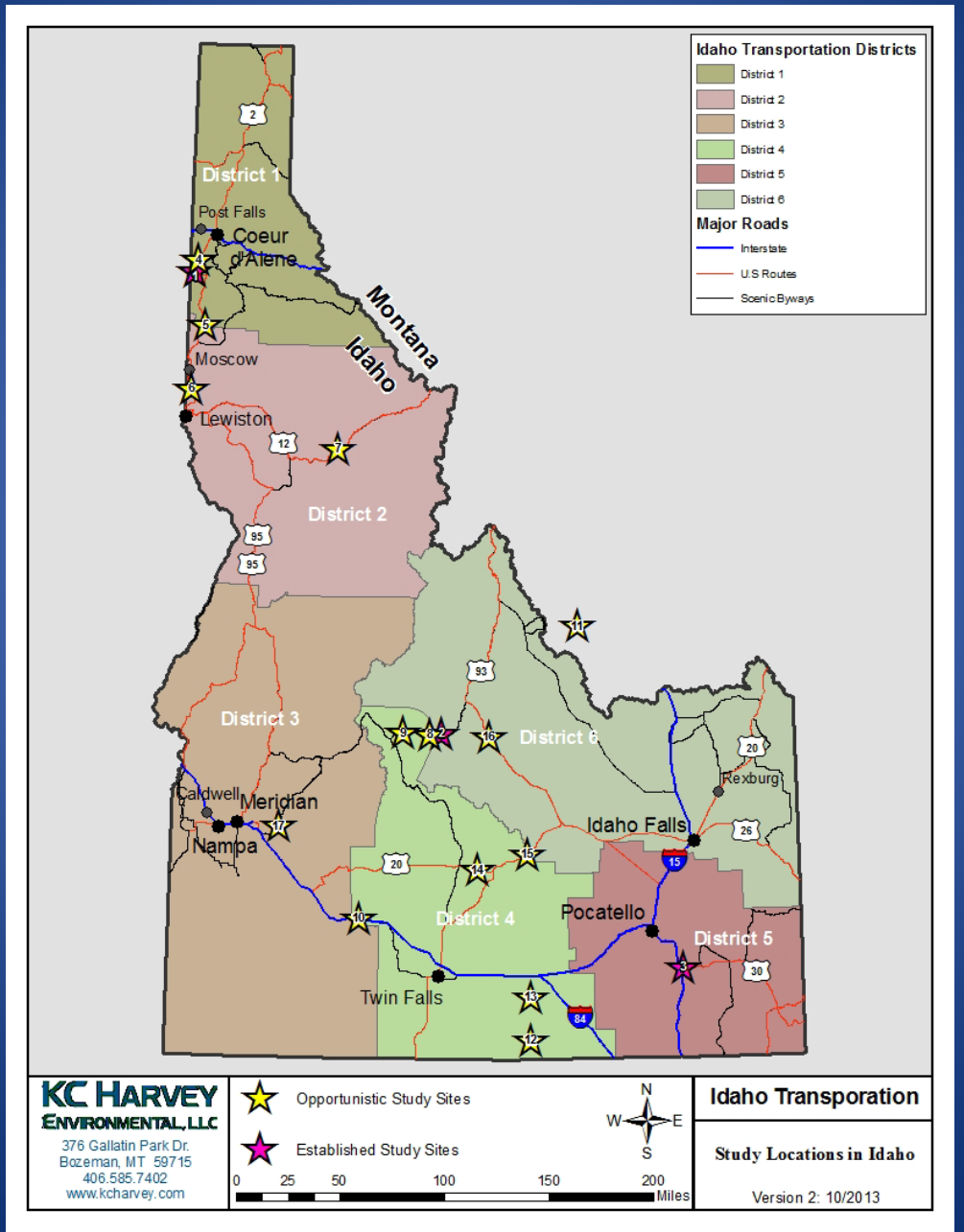
SITES VISITED 2013

- 3 Established Sites Revisited: Worley (correct site), Clayton, and McCammon (Price Rd)

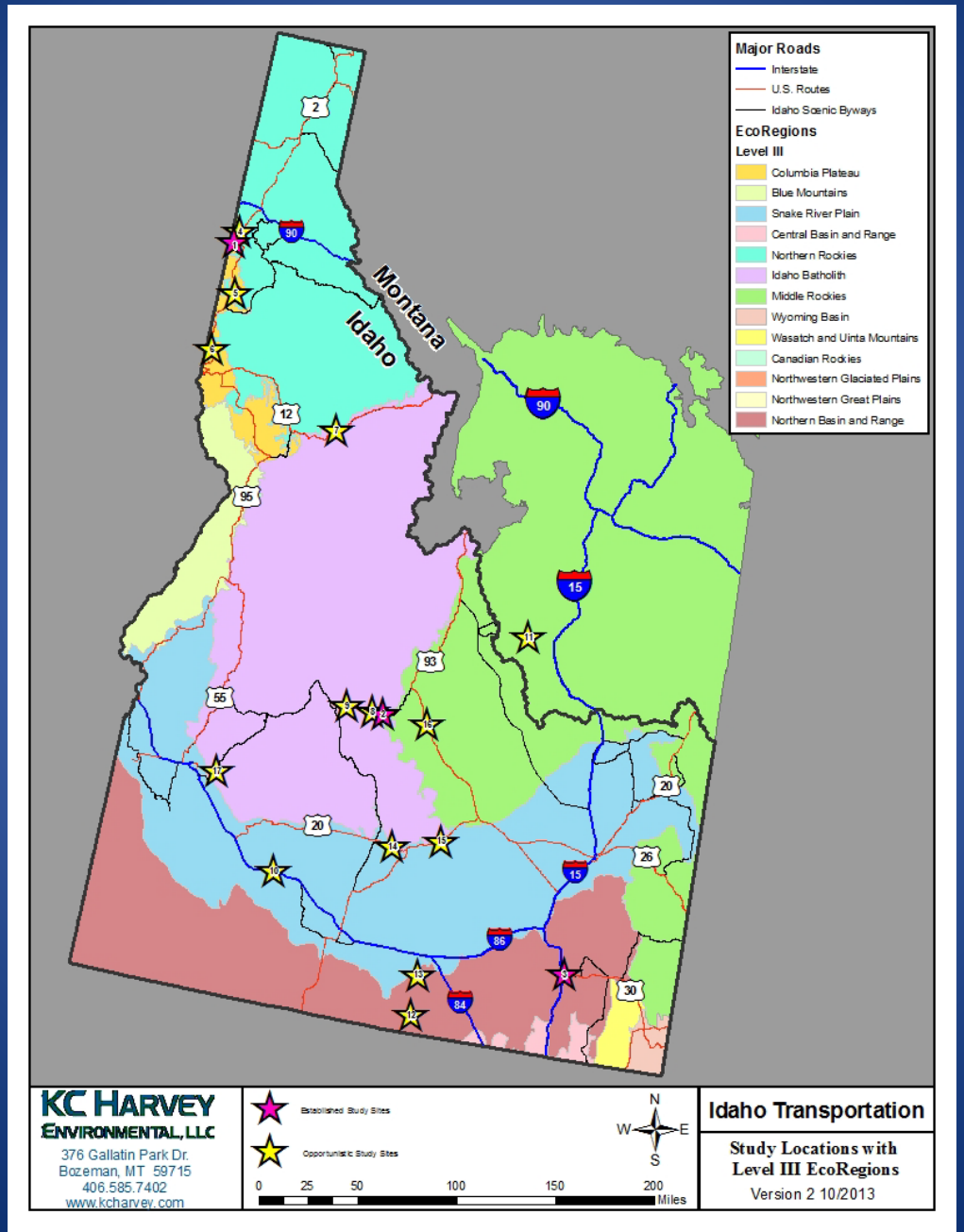
- 7 New Sites: City of Rocks Byway, Albion Hill, Silver Creek, Slate Creek Bridge, Willow Creek Summit, Tom Cat Hill (Craters of the Moon), SH-21 Wildlife Crossing

- 3 Sites visited but did not collect data: McCall East West Loop, US-93 (MT), and Rosie's Ridge (WY)

Map of All Roadside Revegetation Sites Visited



Map of All Idaho Revegetation Sites and Ecoregions



REVIEW OF 2013 FIELD SEASON SITES



SH-21 Wildlife Crossing – Completed in 2010

Idaho Batholith Ecoregion







Photos Taken Spring 2011

Wildfire Burned August 2012







Unburned Area – taken April 2013









Small arrow-leaf balsamroot seedlings coming up from seed





Photos taken in June 2013

Native Plants Coming Back In The Burned Area





SH-77 Albion Hill Project - Constructed in 2005





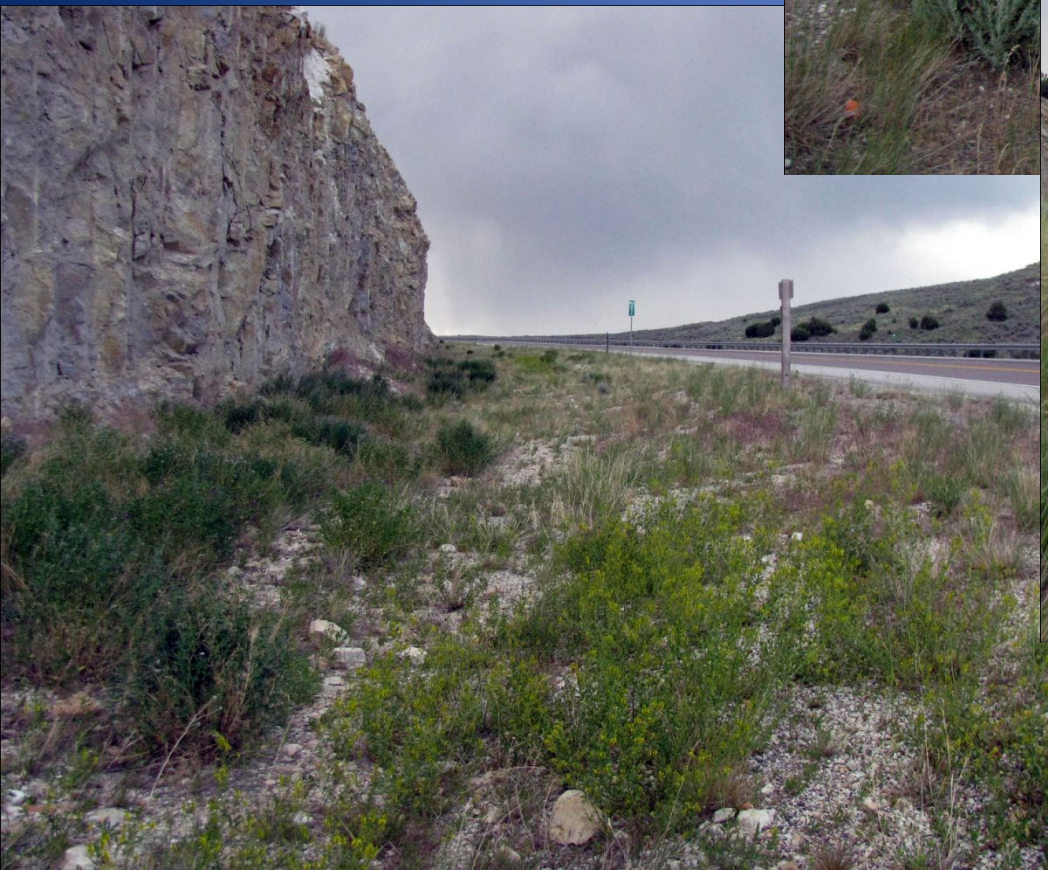


SH-77 Albion Hill Project

Northern Basin & Range Ecoregion

Photos taken in June 2013







City of Rocks Project – completed in 4 phases (2005-2010)

Northern Basin & Range Ecoregion







Photos taken in June 2013

SH-75 Slate Creek Bridge

- to sample in 2013 when veg more mature







SH-75 Slate Creek Bridge

Photos taken in June 2013

Idaho Batholith Ecoregion







US-20 Silver Creek Bridge

Photos taken in June 2013

Snake River Plain Ecoregion







Tom Cat Hill Project within Craters of the Moon NP – Reseeding Completed in 2006

Snake River Plain Ecoregion





Photos taken in Aug. 2007







Photos taken in June 2013

Willow Creek Summit
Completed in 2005

Middle Rockies Ecoregion





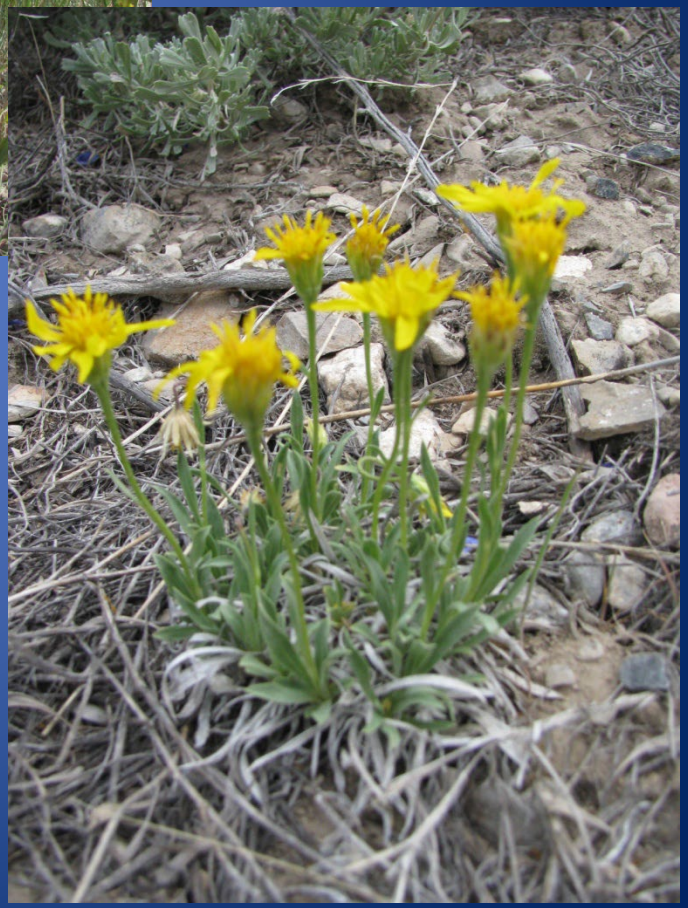
Photos taken in June 2013













Research Study Sites Review

Worley Research Site – SH-58 Seeded in Fall 2008

Columbia Plateau Ecoregion





Seeded in Fall 2008

Photos Taken in spring 2009



Seeded in Fall 2008





Photos Taken in Spring 2010

Native Plants - July 2013









US-30 McCammon/Price Rd Research Study Site - Wetland

photos taken in spring 2009

Northern Basin & Range Ecoregion





U of I staff planted various wetland plantings in 2008

Price Rd Wetland Site Monitored In July 2011







US-30 McCammon & Price Road - 2012







US-30 McCammon & Price Road in 2012







Wetland Plantings – photos Taken in June 2013







Price Rd Upland Seeding



Price Rd Research site – The upland area was seeded in May 2012



Upland Seeding – photos Taken in June 2013






Salmon River Bridge – SH-75 (West of Clayton 2008-09)

Compost and seed were reapplied on the steep slope (SE side of the hwy) in May 2009













July 2009 - Russian thistle and yellow sweet clover dominated the first year establishment (2009)

SH-75 Salmon River Bridge
(west of Clayton) in 2012

Idaho Batholith Ecoregion









Photos taken in June 2013













Project Tasks In Progress

1. **Compile information on what native plants work in highly disturbed and/or altered areas in Idaho**

2. **Compile information on what weedy species are or may be problematic on ID roadside projects and measures to counter their establishment**

3. **Final Report with Recommendations and a Poster Display -**
   to be completed this spring



Questions?