Seeding Burn Areas

Tres Rios FO 2013
Dolores River Soil Salinity Tests

Electrical Conductivity (mS/cm)

Sample Site

- Burn 0-4 (in)
- Burn 4-8 (in)
- Adjacent 0-4 (in)
- Adjacent 4-8 (in)
- Ashy Soil

Sample Sites:
- Dolores #1 Big Gypsum
- Dolores #2 Little Glen
- Dolores #3 Little Glen
- Dolores #4 Little Glen

Legend:
- Blue: Dolores #1 Big Gypsum
- Red: Dolores #2 Little Glen
- Yellow: Dolores #3 Little Glen
- Light Blue: Dolores #4 Little Glen

Values:
- Burn 0-4 (in): 35 mS/cm
- Burn 4-8 (in): 30 mS/cm
- Adjacent 0-4 (in): 25 mS/cm
- Adjacent 4-8 (in): 20 mS/cm
- Ashy Soil: 15 mS/cm
Disappointment Creek Soil Salinity Tests

Electrical Conductivity (mS/cm)

Sample Sites

- Burn 0-4 (in)
- Burn 4-8 (in)
- Adjacent 0-4 (in)
- Adjacent 4-8 (in)

Disappointment #1 13r
Disappointment #2 16r
Disappointment #3 16r
Lessons Learned

• Soil salinity is highly variable and influenced by many different underlying factors.

• Limit Tamarisk slash piles to a maximum of 20 feet in diameter to reduce salt loading.

• Active soil amending techniques are worth while on larger burn areas to help kick-start the revegetation process.

• Use salt tolerant natives to seed burn areas.

• Over-seed burn areas to counteract birds eating the seeds.
Questions?