

Communication During Restoration

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Restoration Processes



Pre disturbance



Site Reclamation



Seeding



Vegetative Monitoring



Weed Management



Biological Monitoring

Baseline Document: Quantify Environmental Health

- Accurate statements about past, current, and potential is the best approach to develop realistic restoration goals.



Pre disturbance monitoring

- Usually not done
- May be the most important step
- If you don't know where you came from how do you know where you are going?



Pre disturbance monitoring

- Understand the botanics
 - Plant inventory
 - Survey vegetative cover
- Understand soil characteristics
 - Depth of topsoil
 - NPK
 - Biological soil life



Communication

- Share pre disturbance information with dirt contractors
 - Remove correct amount of topsoil
- Get plant inventory info to seeding company
 - Develop correct seed mix for the area
- Use soil info to develop correct soil amendments

Reclamation

- Correct seed bed preparation
 - Firm but not compacted
- Waste of money if seed bed will not grow your seed mix
- Communication with dirt contractors
 - Education



Seeding

- Develop good seed mix
 - Based on pre disturbance information
 - Use 2 stage seeding
- Use correct equipment
- Apply seed during correct time of the year
- Origin of seed



Weed Management

- Goal is to remove undesirable vegetation
- May not have vested interest in promoting desirable vegetation



Weed Management

- Work with companies who understand your goals
- Make sure applicator knows target species and the desirable vegetation
- Use reduced application rate
 - More is not better
- Spot spray

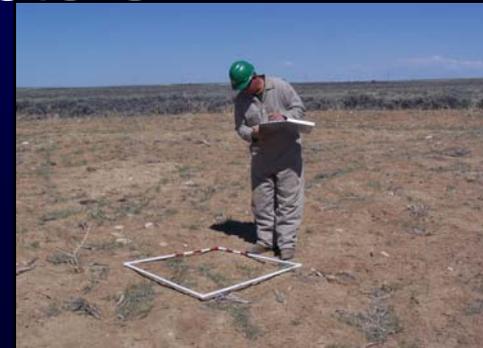


Soil Amendments

- Test soils again post reclamation
 - Compare to pre disturbance measurements
- Develop a program to promote soil health
- Organic soil amendments
 - Start a nitrogen cycle in the soil
 - Start the development of biological soil life
- Avoid developing a chemical dependency

Restoration Monitoring

- Not tied to previous actions
 - Communication
- Monitoring
 - Should accurately reflect conditions on the ground
- Stewardship
 - Guides site towards desired parameters
 - Identifies appropriate action



Communication Solutions

- Work with one company who can handle your needs
- Or make sure someone in the industry is keeping track of everything
 - Communicate all info to each company doing the work

The Silver Bullet

- There is no Silver Bullet
- Communication
 - Learn from your actions
 - Understand the effects of your actions
 - Track your actions over time
- Make sure everyone involved understands the desired goals and has a vested interest in reaching those goals

Questions?

