

Open Cut Mining

Agenda (10 mins)

- Goals
- Open Cut Mining Process
- What is left
- Rehabilitation
- Gap

Goals

- Safe
- Stable
- Down stream impacts ameliorated
- Land use

Mining Process

- Locate coal
- Dig big hole with trucks &/or dragline
- Depth start 20m finish 60-120m
- Extract coal from bottom with trucks (need access)
- Dig another big hole beside it and fill in last hole with some of the dirt
- Swell of dirt 1.3

What is left

- Big hole – **final void and ramps**
- Pile of dirt
spoil pile



Rehabilitation

Meet goals

- Use some of these techniques
 - Smoothing (reshape)
 - Topsoil application
 - Hostile spoil amelioration
 - Apply cover material
 - Soil conservation techniques
 - Apply seed
 - Maintenance

Gap

- Rehabilitation outcomes and perceptions of others differ

