

Consol Emery Mine - Coal Dust Plots 2011: Observations made on May 11, 2011 by Karla Knoop (JBR Environmental Consultants, Inc.), Peter Behling (Consol Energy, Inc.) and Priscilla Burton (Utah Division of Oil, Gas and Mining) also present.

Site	Mixed Soil/Coal Cover (%)	Dominant Color of Soil/Coal Mixture	Bare Soil and/or Rock Cover (%)	Color of Bare Soil	Live Vegetative Cover (%)	Notes
1A	85-90	10YR 4/3	5-8	10YR 5/4	5-10	No cryptogams observed. Many very small, young annuals (weedy borage?); galleta grass.
1B	30-35	10YR 5/3	40		25	No cryptogams observed. Prickly pear, shadscale, weedy borage. Droppings included in bare soil category.
1C	25	10YR 5/2.5	70		3	Lichen growth noted on a small percentage of the rock. No cryptogams observed. More rock than soil.
2A	Plot destroyed in 2010 during power line construction					
2B	50-60	10YR 4.5/2	5	10YR 5/4	35-40	Lichen growth noted on a small percentage of the rock. 3 cryptogams observed. Prickly pear, galleta, borage forb.
2C	45	10YR 5/3	50		5	No cryptogams observed. Galleta, borage, one small young shadscale.
3A	Plot was destroyed by recent power line construction					
3B	40	10YR 4/2	40	10YR 5/4	15	Several cryptogams observed. Indian ricegrass, galleta, shrubby flower (composite), small saltbush, borage.
3C	90	10YR 4/2 & 10YR 4.5/4	5		5	No cryptogams observed. Indian ricegrass, galleta, prickly pear, borage, shrubby composite, shad scale. Coal/soil mix varies in percentage – two colors are given.

Note: Ground was moist/rain was occurring sporadically during the monitoring. Color observations were not consistent and were affected by the varying moisture conditions.