

Appendix C

Visual Resources

C1 – Visual Simulations

C2 – Visual Contrast Rating System

C1 Visual Simulations



**Phoenix Copper
Leach Project**

Figure C-1
KOP-1 SH 305
(Northbound)
Existing Condition



**Phoenix Copper
Leach Project**

Figure C-2

KOP-1 SH 305
(Northbound)
Existing and Currently
Permitted Condition



**Phoenix Copper
Leach Project**

Figure C-3
KOP-1 SH 305
(Northbound)
Proposed Action
Post-mining Condition



**Phoenix Copper
Leach Project**

Figure C-4
KOP-1 SH 305
(Northbound)
Proposed Action
Post-reclamation Condition



**Phoenix Copper
Leach Project**

Figure C-5

KOP-2
Buffalo Valley Road
Existing Condition



**Phoenix Copper
Leach Project**

Figure C-6

KOP-2
Buffalo Valley Road
Existing and Currently
Permitted Condition



**Phoenix Copper
Leach Project**

Figure C-7
KOP-2
Buffalo Valley Road
Proposed Action
Post-mining Condition



**Phoenix Copper
Leach Project**

Figure C-8
KOP-2
Buffalo Valley Road
Proposed Action
Post- reclamation Condition



**Phoenix Copper
Leach Project**

Figure C-9

KOP-3
Willow Creek Road
Existing Condition



**Phoenix Copper
Leach Project**

Figure C-10

KOP-3
Willow Creek Road
Existing and Currently
Permitted Condition



**Phoenix Copper
Leach Project**

Figure C-11
KOP-3
Willow Creek Road
Proposed Action
Post-Mining Condition



**Phoenix Copper
Leach Project**

Figure C-12
KOP-3
Willow Creek Road
Proposed Action
Post- reclamation Condition

C2 Visual Contrast Rating System

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

VISUAL CONTRAST RATING WORKSHEET

Date	C-14 03/10/2008
District	Battle Mountain
Resource Area	Mount Lewis
Activity (program)	Heap Leach Pad and Waste Rock Dump

SECTION A. PROJECT INFORMATION

1. Project Name Phoenix Copper Leach Project SEIS	4. Location Township <u>31, 30 N</u> Range <u>43 E</u> Section <u>Multiple</u>	5. Location Sketch See Figure 3.14-1
2. Key Observation Point KOP-2 Buffalo Valley Road Proposed Action		
3. VRM Class Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined valley floor, steep-sided and pyramidal mountainous backdrops	Simple organic valley floor mosaics of grasses and complex irregular patterns of shrubs and grasses on mountain-sides	Narrow planar roads and rectangular t-lines; cubed buildings
LINE	Complex horizontal, inclined, angular mix of valley, mts., and mining	Horizontal, curvilinear, inclined angular	Horizontal, curved, linear roads and t-lines; t-lines vertical in foreground
COLOR	Light tans to reddish browns and dark umbers.	Light golds and tans to reddish browns and light sage greens	Light to dark tans of unpaved roadways; subtle to gleaming t-line and fence
TEXTURE	Fine valley patterns, moderate foothill and mt mosaics; moderate mining landforms	Fine valley grass and shrub patterns, moderate foothill and mt tree and grass mosaics; moderate-course mine veg/earth	Fine road and t-lines

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined valley floor, inclined steep-sided benches and horizontal planar bench tops	Homogenous grass and shrub patterns in reclaimed areas - homogenous earth/sparse veg. in difficult-to-reclaim areas	NA
LINE	Complex horizontal, inclined, and angular mix of valley floor and mining outlines	Horizontal, curvilinear, inclined angular	NA
COLOR	Light tans to dark, reddish browns and blacks	Light golds and tans to reddish browns and light sage greens to dark olive greens	NA
TEXTURE	Moderate to course mining landforms	Fine valley grass and shrub patterns, moderate foothill and mt tree and grass mosaics; moderate-course mine veg/earth	NA

SECTION D. CONTRAST RATING SHORT TERM LONG TERM

DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)		
	LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)					3. Additional mitigating measures recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain on reverse side)	
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None			
	x						x								
	Line	x					x								
Color	x			x											
Texture	x				x										
ELEMENTS	Form												Evaluator's Names Merlyn Paulson		Date 03/10/08

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

VISUAL CONTRAST RATING WORKSHEET

Date	C-15 03/10/2008
District	Battle Mountain
Resource Area	Mount Lewis
Activity (program)	Heap Leach Pad and Waste Rock Dump

SECTION A. PROJECT INFORMATION

1. Project Name Phoenix Copper Leach Project SEIS	4. Location Township <u>31, 30 N</u> Range <u>43 E</u> Section <u>Multiple</u>	5. Location Sketch See Figure 3.14-1
2. Key Observation Point KOP-3 Willow Creek Road Proposed Action		
3. VRM Class Class IV		

SECTION B. CHARACTERISTIC LANDSCAPE DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined valley floor, steep-sided and pyramidal mountainous backdrops	Simple organic valley floor mosaics of grasses and complex irregular patterns of shrubs and grasses on mountain-sides	Narrow planar road
LINE	Complex horizontal, inclined, angular mix of valley, mts., and mining	Horizontal, curvilinear, inclined angular	Horizontal, curved, linear roads
COLOR	Light tans to reddish browns and dark umbers.	Light golds and tans to reddish browns and light sage greens	Light to dark tans of unpaved roadway
TEXTURE	Fine valley patterns, moderate foothill and mt mosaics; moderate mining landforms	Fine valley grass and shrub patterns, moderate foothill and mt tree and grass mosaics; moderate-course mine veg/earth	Fine road

SECTION C. PROPOSED ACTIVITY DESCRIPTION

	1. LAND/WATER	2. VEGETATION	3. STRUCTURES
FORM	Inclined valley floor, inclined steep-sided benches and horizontal planar bench tops	Homogenous grass and shrub patterns in reclaimed areas - homogenous earth/sparse veg. in difficult-to-reclaim areas	NA
LINE	Complex horizontal, inclined, and angular mix of valley floor and mining outlines	Horizontal and, inclined angular	NA
COLOR	Light tans to dark, reddish browns and blacks	Light golds and tans to reddish browns and light sage greens to dark olive greens	NA
TEXTURE	Moderate to course mining landforms	Fine valley grass and shrub patterns, moderate foothill and mt tree and grass mosaics; moderate-course mine veg/earth	NA

SECTION D. CONTRAST RATING SHORT TERM LONG TERM

DEGREE OF CONTRAST	FEATURES												2. Does project design meet visual resource management objectives? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Explain on reverse side)	
	LAND/WATER BODY (1)				VEGETATION (2)				STRUCTURES (3)					3. Additional mitigating measures recommended <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Explain on reverse side)
	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None	Strong	Moderate	Weak	None		
	x						x							
	Form	x					x							
Line		x				x								
Color		x		x										
Texture		x			x									
ELEMENTS												Evaluator's Names Merlyn Paulson	Date 03/10/08	