

APPENDIX D - VISUAL RESOURCE SUMMARY

Viewpoint Identifier ¹	Description ²	Existing Visual Setting								No Action						Proposed Action					
		Viewer Sensitivity ³	Visual Quality ⁴	Viewer Exposure				Overall Viewer Exposure ⁹	Overall Visual Sensitivity ¹⁰	Description of Visual Changes ¹¹	Visual Contrast ¹²	Relative Dominance ¹³	Feature Modifications ¹⁴	Overall Visual Change ¹⁵	Potential Impact	Description of Visual Changes ¹¹	Visual Contrast ¹²	Relative Dominance ¹³	Feature Modifications ¹⁴	Overall Visual Change ¹⁵	Potential Impact
				Visibility ⁵	Distance Zone ⁶	Number of Viewers ⁷	Duration of View ⁸														
KOP 1	Burham Road; 200 feet east of active residence and meeting shelter. View to south/southwest.	Low	Low to Moderate	Moderate to High	Foreground	Low	Brief to Extended. Approximately 1-2 minutes in car; greater than 5 minutes at residence or shelter	Moderate	Low to Moderate	Similar mine operations to what are currently occurring will be extended to east and encroach on the existing Burham Road alignment; mine activities and nightlighting will be visible for a longer duration.	Low to Moderate	Co-dominant	Low to Moderate	Low to Moderate	Not Significant	Similar mine operations to what are currently occurring will be extended to the south. The intersection with the proposed Burham Road realignment will be visible to south. Mine activities and nightlighting will be visible for a longer duration.	Low to Moderate	Co-dominant	Moderate	Moderate	Adverse but Less Than Significant
KOP 2	Burham Road temporary reroute #2; south of wild onion gathering area. View to south/southwest.	Low	Low to Moderate	Moderate to High	Foreground	Low	Brief. Approximately 1-2 minutes	Low to Moderate	Low to Moderate	KOP 2 would be removed under currently permitted future operations, no public access would be permitted and, therefore, this KOP is not analyzed further.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KOP 3	Intersection of Burham Road and public roadway along Cottonwood Arroyo; near Wild Ram Spring area. View to west.	Low	Low to Moderate	Moderate	Foreground	Low	Brief. Approximately 1-2 minutes	Low to Moderate	Low to Moderate	Public access to KOP 3 would be restricted under previously permitted future operations and, therefore, this KOP is not analyzed further.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
KOP 4	Burham Road; west of active residence and southwest of red ochre mine site. View to north.	Low	Low to Moderate	Low	Foreground	Low	Brief to Extended. Approximately 1-2 minutes at residence	Low to Moderate	Low to Moderate	Future permitted mining of Area III would be visible on the horizon to north/northwest. Nightlighting and mining dust/exhaust would be visible for longer duration.	Low to Moderate	Co-dominant	Low	Low to Moderate	Not Significant	Similar mine operations to what are currently occurring will be visible to the north. The intersection with the proposed Burham Road realignment will be visible to north	Moderate	Co-dominant	Moderate	Moderate	Adverse but Less Than Significant
KOP 5	Active residence approximately 1 mile west of Burham Road. View to north.	Low	Low to Moderate	Low	Middleground to Background	Low	Extended. Typically greater than 5 minutes at residence.	Low	Low	Some slight increase in night lighting reflection and operations dust.	Low	Subordinate	Low	Low	Not Significant	Some slight increase in night lighting reflection and operations dust.	Low	Subordinate	Low	Low	Not Significant
KOP 6	Active residence east of Chaco Wash and west of project area. View to east.	Low	Low to Moderate	Low to Moderate	Middleground	Low	Extended. Typically greater than 5 minutes at residence.	Low to Moderate	Low	Similar mine operations to what are currently occurring would extend to east. Operations dust/exhaust and nightlighting would be visible for longer duration.	Low	Co-dominant	Low	Low to Moderate	Not Significant	Similar mine operations to what are currently occurring would extend to south into valley and become more visible. Operations dust/exhaust and nightlighting would be visible for longer duration.	Moderate	Co-dominant	Moderate	Moderate	Adverse but Less Than Significant
KOP 7	Access road to radio towers on Hogback geologic feature northwest of project area. View to east/southeast.	Low	Moderate	Low to Moderate	Background	Low	Extended. Typically greater than 5 minutes at residence.	Low to Moderate	Low to Moderate	Similar mine operations to what is currently visible with some extension to east visible. Operations dust/exhaust and nightlighting would be visible for longer duration.	Low	Subordinate	Low	Low	Not Significant	Similar mine operations to what is currently visible with some extension to south into Area IV visible. Operations dust/exhaust and nightlighting would be visible for longer duration.	Low	Subordinate	Low	Low	Not Significant
KOP 8	Highway 491; south of Shiprock geologic feature. View to east/southeast.	Low	Moderate to High	Low	Background to Seldom Seen	High	Brief. Approximately 1-2 minutes in vehicle	Low to Moderate	Low to Moderate	Nightlighting would be visible for longer duration.	Low	Subordinate	Low	Low	Not Significant	Nightlighting would be visible for longer duration.	Low	Subordinate	Low	Low	Not Significant

Notes:

1. Viewpoint Identifier. Unique identification number for viewpoints analyzed.
2. Description. Describes the location of the viewpoint and direction of view with reference to roads or other landmarks.
3. Viewer Concern. Assigned a rating from low to high based on current concerns at viewpoint. Based on information about the sensitivity of the viewing population, existing land uses or other designations indicating public importance or concern. Ultimately based on analyst judgement.
4. Visual Quality. Visual quality currently existing at viewpoint. Rated from low to high using criteria identified in Table 4.5-2. Ultimately based on analyst judgement.
5. Visibility. Rated from low to high based on field evaluation of several factors, including viewing proximity to project area, seasonal variations, air quality, lighting, screening features (e.g.; vegetation, topography), etc. Ultimately determined by analyst judgement.
6. Distance Zone. Assigned as foreground (0-1 mile), middleground (1-5 mile) or background (greater than 5 miles) as determined from viewshed mapping.
7. Number of Viewers. Rated from low to high. Number of viewers is generally a qualitative assessment made by the analyst though it can draw from quantitative data such as traffic data.
8. Duration of View. Denotes the relative length of time the view is in sight (e.g.; brief, moderate, extended). Qualitative assessment made by the analyst.
9. Overall Viewer Exposure. Summation of Viewer Exposure factors (e.g. 5+6+7+8) and analyst interpretation.
10. Overall Visual Sensitivity. Summation of Factors 3+4+9 from the Existing Visual Setting and analyst interpretation.
11. Description of Visual Change. General description of the anticipated change to the viewshed based upon simulations or analyst extrapolation.
12. Visual Contrast. Rated from low to high. Describes the degree that the anticipated project view would differ from the existing view.
13. Relative Dominance. Rated from subordinate, co-dominant, to dominant. Project dominance is a qualitative assessment made by the analyst and measures the project apparent size in relation to other visible landscape features within the total field of view.
14. Feature Modifications. Rated from low to high and is a qualitative assessment made by the analyst. Describes the extent that existing landscape features are either blocked from view or impaired as a result of the project's scale or location.
15. Overall Visual Change. Summation of Visual Contrast, Project Dominance, and Feature Modification (12+13+14). Determination based on analyst judgment using matrix values.
16. Impact Potential. Comparison of the Overall Visual Sensitivity (10) and Overall Visual Change (15) ratings (Table 4.5-3) and analyst judgment. Impact potential is identified without and with mitigation.