

**Table 2.3
Summary Comparison of Magnitude and Duration of Cumulative Impacts**

Description of Potential Impacts by Resource	Magnitude and Duration of Impact	
	Resource Name	No-Action Alternative (B)
<p>Air Quality IMPACTS ASSOCIATED WITH MINING OPERATIONS would include: Elevated concentrations of particulate matter Elevated concentrations of gaseous emissions</p>	<p>Moderate, short term on active mine areas Moderate, short term on active mine areas</p>	<p>Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas</p>
<p>Water Resources IMPACTS TO SURFACE WATER could result in: Temporary reduction in soil infiltration rates and increase runoff IMPACTS ON GROUNDWAER could result in: Depressed water levels in aquifers adjacent to mine Change in groundwater quality in backfilled areas</p>	<p>Moderate, short term on active mine area Moderate, short term near active mine area Moderate, long term near active mine area</p>	<p>Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas</p>
<p>Soils RECLAIMED SOILS could result in: Increased soil productivity Reduced erosion</p>	<p>Negligible, long term on existing mine areas Negligible, long term on existing mine areas</p>	<p>Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas</p>
<p>Land Use/Vegetation IMPACTS ON LAND USE could result in: Loss of agricultural production Reduction of wildlife habitat SURFACE DISTURBANCE would result in: Loss of common native vegetation types for wildlife Regional loss of vegetative diversity</p>	<p>Moderate, short term on existing mine areas Moderate, short term on existing mine areas Negligible, long term on existing mine area Negligible, long term on existing mine area</p>	<p>Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas</p>
<p>Wildlife IMPACTS ON WILDLIFE FROM SURFACE MINING could result in: Loss of habitat for migratory birds Reduction in waterfowl habitat Permanent reduction in wildlife habitat diversity Permanent reduction in some wildlife carrying capacity</p>	<p>Negligible, short term on existing mine areas Minor, short term on existing mine areas Minor, long term on existing mine areas Minor, long term on existing mine areas</p>	<p>Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas Same as No-Action on expanded mine areas</p>

Description of Potential Impacts by Resource	Magnitude and Duration of Impact	
	Resource Name	Proposed Action (A) and Alternative (C)
<p>Cultural IMPACTS ASSOCIATED WITH MINING OPERATIONS would include: Loss of 740 sites, 2,491 features, 68,683 acres of cultural landscape. Destruction of cultural features and landscape, archeological sites eligible for National Register are mitigated for purposes of NHPA by data recovery or avoidance.</p>	Major, long term on existing/active mine areas	Same as No action on expanded/active mine areas Under Alternative C, (Preferred), 38 sites, 14 NR-eligible sites, 431 stone features, 1,325 acres placed in American Indian Education Trust as offset to cultural/social impacts.
<p>Socio-economics IMPACTS ON SOCIO-ECONOMICS could include: Mineral and energy related development Employment Housing market Economic development Revenues and royalties</p>	Minor, beneficial, short term on existing mine Minor, beneficial, short term on existing mine Minor, short term due to existing mine Minor, beneficial, short term due to existing mine Minor, beneficial, short term due to existing mine	Same as No Action on expanded mine areas Same as No Action on expanded mine areas