DRAFT EIS FINDINGS: GEOLOGICAL RESOURCES AND MINING AND MINERAL RESOURCES

	POTENTIAL IMPACTS	MANAGEMENT PRACTICES, MONITORING, AND MITIGATION	
		CURRENT:	PROPOSED:
Geological Resources	**Alternatives would not result in significant impacts on geological resources.** ▶ New target areas created at Bravo-16, Bravo-17, and Bravo-20 ▶ Permanent impacts from construction: • Alternatives 1 and 2: Approximately 347 acres (0.5 percent of expanded area) • Alternative 3: Approximately 241 acres (0.3 percent of expanded area) ▶ Temporary impacts from construction: • Alternatives 1 and 2: Approximately 700 acres (0.9 percent of expanded area) • Alternative 3: Approximately 715 acres (1 percent of expanded area) ▶ Soil disturbance and compaction from ground convoy training, exposing soils to erosion in some limited areas	▶ Conduct regular range-condition assessments and periodic range clearance ▶ Mandate secondary containment areas for refueling activities ▶ Use drip pads under parked equipment ▶ Use existing roads and two-track trails for vehicles	▶ Implement avoidance and minimization measures for construction ▶ Conduct pedestrian field surveys prior to surface grading or excavation ▶ Manage presence of found paleontological resource
Mining and Mineral Resources	**Alternatives would result in significant impacts on exploration and development of mining and mineral resources.** ▶ Locatable mining not allowed on Fallon Ranges ▶ Lands with high potential for locatable, leasable (geothermal), and salable minerals withdrawn ▶ Exploration and development of geothermal resources not allowed (Alternative 1) ▶ Access to areas with higher mineral resource potential allowed on west side of Bravo-17 (Alternative 3) ▶ Access for mining exploration and development allowed with designation of Special Land Management Overlay (Alternative 3)	▶ Continue to implement measures in place so nonparticipants are not endangered by military actions	▶ Allow geothermal and salable mining development in the Dixie Valley Training Area with required design features

Mineral Resources Definitions: ***Locatable:*** *Metallic and industrial minerals* ***Leasable:*** *Solid and fluid minerals* ***Salable:*** *Construction and road minerals*

Potential Socioeconomic Effects Related to Mining Impacts

- ▶ Significant impacts due to potential lost opportunities
- ▶ Impacts from Alternatives 2 and 3 less than Alternative 1 due to:
  - Greater access for geothermal development and other allowable mining activities in the Dixie Valley Training Area
  - Inclusion of a Special Land Management Overlay (Alternative 3)