

### **3.0 AFFECTED ENVIRONMENT AND ENVIRONMENTAL IMPACTS**

Under NEPA, the analysis of environmental conditions is directly related to the expected environmental effects of the proposed alternatives. NEPA requires that the analysis address those areas and the components of the environment with the potential to be affected by the proposed action; locations and resources with no potential to be affected need not be analyzed. The environment includes all areas and lands that might be affected, as well as the natural, cultural, and socioeconomic resources they contain or support.

#### **Affected Environment**

In the environmental analysis and scoping process, BLM managers (with input from the public) identified the resources to be analyzed and the level of environmental analysis for each resource. For this proposal, the BLM has examined 18 environmental resources within the boundaries of the WFO, and the Dixie Valley (managed by the CCFO). The three areas within these boundaries that were evaluated were the PVAs, KGRAs, and pending lease areas.

#### **Environmental Impacts**

The environmental impacts sections overlay the project elements described in Chapter 2 (the Proposed Action, No Action Alternative, and “reasonably foreseeable development scenario”) onto the baseline of existing conditions outlined in the affected environment. This method outlines the potential environmental impacts of the Proposed Action and No Action Alternative.

#### **Stipulations**

Stipulations are defined as conditions of approval, standard operating procedures, and/or mitigation measures, which become part of the BLM’s authorization. Stipulations are listed by resource in [Appendix G](#).

#### **Critical Elements of the Human Environment**

Critical elements of the human environment are subject to requirements specified in statute, regulation, or executive order (see Table 3.0-1). Those that are present are considered in this PEA; those that are neither present nor affected are not.

**TABLE 3.0-1  
CRITICAL ELEMENTS OF THE HUMAN ENVIRONMENT**

<b>CRITICAL ELEMENT</b>	<b>GOVERNING FEDERAL STATUTES</b>	<b>PRESENT/ AFFECTED</b>	<b>NOT PRESENT/ AFFECTED</b>
<b>Air Quality</b>	<ul style="list-style-type: none"> <li>• Clean Air Act of 1970 (42 USC §7401; 40 CFR Parts 51 and 93) as amended</li> </ul>	X	
<b>Areas of Critical Environmental Concern</b>	<ul style="list-style-type: none"> <li>• Federal Land Policy Management Act (FLPMA) of 1976 (P.L. 94-579 (43 USC §1701)(36 CFR §2310.1-2; 1600 Series))</li> </ul>		X
<b>Cultural Resources</b>	<ul style="list-style-type: none"> <li>• American Antiquities Act of 1906 (16 USC §§431-433; 36 CFR §79)</li> <li>• Historic Sties, Buildings, and Antiquities Act of 1935 (16 USC §461 <i>et seq.</i>)</li> <li>• Archeological and Historic Preservation Act of 1960 (P.L. 86-523 as amended by P.L. 93-291)</li> <li>• Reservoir Salvage Act of 1960 (P.L. 86-523 as amended; 36 CFR §79)</li> <li>• National Historic Preservation Act of 1966 (P.L. 89-655 (16 USC §470)(36 CFR §§79 and 800))</li> <li>• Archeological Resources Protection Act of 1979 (P.L. 96-95 (16 USC §§470aa-470ii; 36CFR §79))</li> <li>• National Historic Preservation Act Amendments of 1980 (P.L. 96-515)</li> <li>• Native American Greaves Protection and Repatriation Act of 1990 (P.L. 101-601 (25 USC §§3001-3013))</li> <li>• E.O. 11593 (Cultural Resources)</li> </ul>	X	
<b>Environmental Justice</b>	<ul style="list-style-type: none"> <li>• E.O. 12898 (Federal Actions to Address Environmental Justice in Minority and Low-Income Populations)</li> </ul>		X
<b>Floodplains</b>	<ul style="list-style-type: none"> <li>• E.O. 11988 (Floodplain Management)</li> </ul>		X
<b>Invasive/Non-Native Species (Noxious Weeds)</b>	<ul style="list-style-type: none"> <li>• Federal Noxious Weed Act of 1975 (P.L. 93-629)</li> <li>• E.O. 13112 (Invasive Species)</li> </ul>	X	

CRITICAL ELEMENT	GOVERNING FEDERAL STATUTES	PRESENT/AFFECTED	NOT PRESENT/AFFECTED
<b>Migratory Birds</b>	<ul style="list-style-type: none"> <li>• Migratory Bird Treaty Act of 1918 and 1972 (16 USC §§703-711; 40 Stat. 755)</li> <li>• Bald Eagle Protection Act of 1940 (16 USC §§668-668d, 54 Stat. 250) as amended</li> <li>• E.O. 13186 (Responsibilities of Federal Agencies to Protect Migratory Birds)</li> </ul>	X	
<b>Native American Religious Concerns</b>	<ul style="list-style-type: none"> <li>• American Indian Religious Freedom Act of 1978 (P.L. 95-341 (42 USC §1996))</li> <li>• E.O. 13007 (Indian Sacred Sites)</li> </ul>		
<b>Prime or Unique Farmlands</b>	<ul style="list-style-type: none"> <li>• Surface Mining Control and Reclamation Act of 1977 (30 USC §1201 <i>et seq.</i>)</li> <li>• Farmland Protection Policy Act of 1981 (P.L. 95-514)</li> </ul>		X
<b>Threatened, Endangered, and Special Status Species</b>	<ul style="list-style-type: none"> <li>• Endangered Species Act of 1973 (P.L. 93-205 as amended (16 USC §1531 <i>et seq.</i>))</li> </ul>	X	
<b>Waste, Hazardous or Solid</b>	<ul style="list-style-type: none"> <li>• Toxic Substances Control Act of 1976 (15 USC §2601)</li> <li>• Resource Conservation and Recovery Act of 1976 (42 USC §6901 <i>et seq.</i>)</li> <li>• Comprehensive Environmental Response, Compensation, and Liability Act 1980 (42 USC §9615) as amended by the Superfund Amendments and Reauthorization Act Title III of 1986 (42 USC §103)</li> </ul>	X	
<b>Water Quality</b>	<ul style="list-style-type: none"> <li>• Water Quality Improvement Act of 1970 (33 USC §26) as amended</li> <li>• Safe Drinking Water Act of 1974 (42 USC §§146; 300f <i>et seq.</i>; 1441, <i>et seq.</i>; 43 CFR §146)</li> <li>• Soil and Water Resources Conservation Act of 1977 (P.L. 95-192 (16 USC §2001 <i>et seq.</i>))</li> <li>• Water Quality Act of 1987 (P.L. 100-4 (33 USC §1251 <i>et seq.</i>)) (amended the Federal Water Pollution Control Act of 1970 (the Clean Water Act))</li> </ul>	X	

<b>CRITICAL ELEMENT</b>	<b>GOVERNING FEDERAL STATUTES</b>	<b>PRESENT/ AFFECTED</b>	<b>NOT PRESENT/ AFFECTED</b>
<b>Wetlands and Riparian Zones</b>	<ul style="list-style-type: none"> <li>• Water Quality Act of 1987 (P.L. 100-4 (33 USC §1251 <i>et seq.</i>)) (amended the Federal Water Pollution Control Act of 1970 (the Clean Water Act))</li> <li>• North American Wetlands Conservation Act of 1989 (P.L. 101-233; 16 USC §§4401-4412; 103 Stat 1968)</li> <li>• E.O. 11988 (Floodplain Management)</li> <li>• E.O. 11990 (Protection of Wetlands)</li> </ul>	X	
<b>Wild and Scenic Rivers</b>	<ul style="list-style-type: none"> <li>• National Wild and Scenic Rivers Act of 1968 (P.L. 90-542 (16 USC §1271) as amended)</li> </ul>		X
<b>Wilderness</b>	<ul style="list-style-type: none"> <li>• Wilderness Act of 1964 (16 USC §§1131-1133)</li> <li>• Federal Land Policy Management Act of 1976 (43 USC §1701; 36 CFR §2310.1-2; 1600 Series)</li> </ul>	X	