

Map Title	Map Description	ArcGIS.com Link <sup>1</sup>	Map Service Link <sup>2</sup>	Management Question(s) <sup>3</sup>	Element or Agent(s) <sup>3</sup>	Figure(s) in Report <sup>3</sup>
Colorado Plateau Ecoregion (COP)	This map shows the location of the Colorado Plateau Ecoregion.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			3-1
COP Change Agents - Climate Change	This map shows climate parameters and MAPSS biogeography model data for the western US from PRISM (1968-1999), and future climate projections from the regional climate model RegCM3 using ECHAM5, GENMOM, and GFDL projections as boundary conditions for 2015-2030, and 2045-2060.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Climate Change	5-21, 5-22, 5-23, 5-25, 5-26, 5-27, 5-28, 5-29, 5-30, 5-31, 5-33, 5-34
COP Change Agents - Climate Change - Long-Term Potential For Change	This map shows long-term potential for climate change, which was calculated using a logic model to integrate the factors of: vegetation change summer & winter temperature change annual precipitation change runoff change.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Climate Change	4, 5-32, 5-36, 6-14, (Appendix D page 264)
COP Change Agents - Development - Current, Near-Term, and Long-Term Potential High Landscape Development	This map shows areas of high current, near-term, and long-term potential landscape development, based on factors such as urban areas, agriculture, roads, and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	G1	Agriculture Oil, Gas, Mining, Renewable Energy, Urban/Roads Development	4-36, 4-37, 6-12, (Appendix D page 252, 256, 260)
COP Conservation Elements - Aquatic Species: Colorado River Cutthroat Trout	This map shows the potential current distribution of Colorado River Cutthroat Trout as well as current and near-term status, and long term potential for change (due to climate change).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Colorado River cutthroat	4-20, (Appendix C page 208, 209)
COP Conservation Elements - Aquatic Species: Flannelmouth Sucker	This map shows the potential current distribution of flannelmouth sucker as well as current and near-term status, and long term potential for change (due to climate change). The current distribution is based on observation points that include those from Utah Natural Heritage Program; these data were not delivered as part of this REA due to legal restrictions.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Flannelmouth sucker	4-20, (Appendix C page 212, 213)
COP Conservation Elements - Aquatic Species: Razorback Sucker	This map shows the potential current distribution of razorback sucker as well as current and near-term status, and long term potential for change (due to climate change).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Razorback sucker	4-20, (Appendix C page 214, 215)
COP Conservation Elements - Ecological Integrity: Conservation Element Summary (4KM)	This map presents summaries of conservation elements by reporting unit (4KM) alongside terrestrial intactness and long-term potential for change. This includes additional dataset focused on non-designated/non-urban lands, and non-designated/non-urban areas on BLM lands.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	D6		5, 6-3, 6-4, 6-5, 6-7, 6-9, 6-10, 6-11, 6-12, 6-13, 6-14

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COP Conservation Elements - Ecological Integrity: Conservation Element Summary (HUC5)	This map presents summaries of conservation elements by reporting unit (HUC5) alongside terrestrial intactness and long-term potential for change. This includes the NatureServe Species Summary dataset.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	D6		6-1, 6-2, 6-3, 6-4, (Appendix C page 221, 222, 223)
COP Conservation Elements - Terrestrial Ecosystems: Colorado Plateau Blackbrush-Mormon-tea Shrubland	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from LANDFIRE EVT and NatureServe Landcover, and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Colorado Plateau Blackbrush-Mormon-Tea Shrubland	(Appendix B page 110, 111, 112, 113)
COP Conservation Elements - Terrestrial Ecosystems: Colorado Plateau Mixed Bedrock Canyon and Tableland	This map shows the current distribution of this ecosystem (from NatureServe Landcover), in the context of current and near-term status and long term potential for change.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Colorado Plateau Mixed Bedrock Canyon and Tableland	(Appendix B page 123, 124)
COP Conservation Elements - Terrestrial Ecosystems: Colorado Plateau Pinyon-Juniper Shrubland	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from NatureServe Landcover (type not mapped separately from PJ Woodland in LANDFIRE EVT), and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Colorado Plateau Pinyon-Juniper Shrubland	(Appendix B page 85, 86, 87)
COP Conservation Elements - Terrestrial Ecosystems: Colorado Plateau Pinyon-Juniper Woodland	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from LANDFIRE EVT and NatureServe Landcover, and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Colorado Plateau Pinyon-Juniper Woodland	(Appendix B page 78, 79, 80, 81)
COP Conservation Elements - Terrestrial Ecosystems: Inter-Mountain Basins Big Sagebrush Shrubland	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from LANDFIRE EVT and NatureServe Landcover, and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Inter-Mountain Basins Big Sagebrush Shrubland	4-22, 4-23, 4-24, (Appendix B page 91, 92, 93, 94)

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COP Conservation Elements - Terrestrial Ecosystems: Inter-Mountain Basins Mixed Salt Desert Scrub	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from LANDFIRE EVT and NatureServe Landcover, and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Inter-Mountain Basins Mixed Salt Desert Scrub	(Appendix B page 117, 118, 119, 120)
COP Conservation Elements - Terrestrial Ecosystems: Inter-Mountain Basins Montane Sagebush Steppe	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from LANDFIRE EVT and NatureServe Landcover, and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Inter-Mountain Basins Montane Sagebrush Steppe	(Appendix B page 98, 99, 100, 101)
COP Conservation Elements - Terrestrial Ecosystems: Riparian Vegetation	This map shows the current distribution of this ecosystem (from NatureServe Landcover), in the context of current and near-term status and long term potential for change.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Terrestrial Ecosystems	4-25, (Appendix B page 129, 130)
COP Conservation Elements - Terrestrial Ecosystems: Rocky Mountain Gambel Oak-Mixed Montane Shrubland	This map shows the current and historic distribution of this ecosystem, in the context of change agents and disturbance types, as well as current and near-term status and long term potential for change. This map includes current distribution from LANDFIRE EVT and NatureServe Landcover, and historic distribution from LANDFIRE BpS.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Rocky Mountain Gambel Oak-Mixed Montane Shrubland	(Appendix B page 104, 105, 106, 107)
COP Conservation Elements - Terrestrial Species Groups: Herd Management Areas	This map shows the location of HMAs, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	D7		
COP Conservation Elements - Terrestrial Species: Black-Footed Ferret	This map shows the potential current distribution of black-footed ferret, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Black-footed ferret	4-17, (Appendix C page 134, 135)
COP Conservation Elements - Terrestrial Species: Burrowing Owl	This map shows the potential current distribution of Burrowing Owl, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Burrowing owl	4-19, (Appendix C page 170, 171)

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COP Conservation Elements - Terrestrial Species: Desert Bighorn Sheep	This map shows the potential current distribution of desert bighorn sheep, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Desert bighorn sheep	4-16, (Appendix C page 138, 139)
COP Conservation Elements - Terrestrial Species: Ferruginous Hawk	This map shows the potential current distribution of Ferruginous Hawk, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Ferruginous hawk	4-18, (Appendix C page 174, 175)
COP Conservation Elements - Terrestrial Species: Golden Eagle	This map shows the potential current distribution of Golden Eagle, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Golden eagle	4-18, (Appendix C page 1821, 183)
COP Conservation Elements - Terrestrial Species: Greater Sage-Grouse	This map shows the potential current distribution of Greater Sage-grouse, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Greater sage-grouse	4-15, (Greater Sage-Grouse Insert figure 1, 2, 3, 4, 6, 7), (Appendix C page 188, 189, 190)
COP Conservation Elements - Terrestrial Species: Greater Sage-Grouse Limiting Factors	This map presents limiting factors for Greater Sage-grouse for an area in the northern part of the ecoregion. This was used for the sage-grouse insert in the final report.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Greater sage-grouse	
COP Conservation Elements - Terrestrial Species: Gunnison Sage-Grouse	This map shows the potential current distribution of Gunnison sage-grouse, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Gunnison sage-grouse	4-15, (Appendix C page 193, 194)
COP Conservation Elements - Terrestrial Species: Gunnison's Prairie Dog	This map shows the potential current distribution of Gunnison's prairie dog, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Gunnison's prairie dog	4-17, (Appendix C page 143, 144)
COP Conservation Elements - Terrestrial Species: Mexican Spotted Owl	This map shows the potential current distribution of Mexican Spotted Owl, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Mexican spotted owl	4-19, (Appendix C page 200, 201)
COP Conservation Elements - Terrestrial Species: Mountain Lion	This map shows the potential current distribution of mountain lion, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Mountain lion	4-11, 4-14, (Appendix C page 148, 149)

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COP Conservation Elements - Terrestrial Species: Mule Deer	This map shows the potential current distribution of mule deer, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Mule deer	4-16, (Appendix C page 152, 154)
COP Conservation Elements - Terrestrial Species: Peregrine Falcon	This map shows the potential current distribution of Peregrine Falcon, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		American peregrine falcon	4-18, (Appendix C page 166, 167)
COP Conservation Elements - Terrestrial Species: Pronghorn Antelope	This map shows the potential current distribution of pronghorn antelope, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Pronghorn	4-16, (Appendix C page 158, 159)
COP Conservation Elements - Terrestrial Species: Sage-Grouse (species)	This map presents current status for both sage grouse species, along with status using oil well density threshold.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Greater sage-grouse, Gunnison sage-grouse	4-15
COP Conservation Elements - Terrestrial Species: White-Tailed Prairie Dog	This map shows the potential current distribution of white-tailed prairie dog, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		White-tailed prairie dog	4-17, (Appendix C page 162, 163)
COP Conservation Elements - Terrestrial Species: Yellow-Breasted Chat	This map shows the potential current distribution of yellow-breasted chat, in the context of current and near-term terrestrial intactness and long-term potential for climate change and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Yellow-breasted chat	4-19, (Appendix C page 204, 205)
COP Conservation Elements: Potential Areas of Aquatic Biodiversity	This map shows potential areas of aquatic biodiversity. Based on protected and conservation lands superimposed on the NHD flowlines dataset.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Aquatic Sites of High Biodiversity	(Appendix A page 37)
COP Conservation Elements: Potential Areas of High Terrestrial Biodiversity	This map shows potential areas with high terrestrial biodiversity from TNC Ecoregional Portfolio Core dataset.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	D5	Terrestrial Sites of High Biodiversity Terrestrial Sites of High Ecological and/or Cultural Value	(Appendix A page 39)
COP Conservation Elements: Aquatic Intactness (HUC5)	This map provides an estimate of current and near-term aquatic intactness, which is based on the results of a fuzzy logic model integrating land use, water quality, hydrologic impacts, and road impacts. It also shows long-term potential for climate change.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			4-10, 4-13, (Appendix D page 244, 248)
COP Conservation Elements: Special Designations	This map shows special designations in the ecoregion, derived from the CBI Protected Areas Database, National Conservation Easements Database, Roadless Areas, BLM NLCS Wilderness Areas, and BLM ACECs.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			4-26, 4-27, (Appendix A page 40)

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COP EPA Level IV Ecoregions	This map shows the location of EPA Level IV Ecoregions in the Colorado Plateau Ecoregion.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			3-1, 4-1
COP Gunnison Sage-Grouse and Protected Areas	This map shows distribution of the Gunnison Sage-Grouse relative to various protected areas.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>		Gunnison sage-grouse	6-6
COP Indicators: Natural Vegetation Fragmentation	This dataset presents measures of landscape fragmentation calculated by FRAGSTATS at 4KM and HUC5 reporting unit levels. Fragmentation integrates the influence of urban, agriculture, invasive vegetation, roads, pipelines, utility lines, oil/gas wells, and water on patches of natural vegetation.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			
COP Terrestrial Ecosystems	This map shows the major terrestrial ecosystems from LANDFIRE EVT (v1.1) and NatureServe National Landcover (v2.7).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	C1 C2 C3	Terrestrial Ecosystems	4-21
COP Terrestrial Intactness and Potential For Change	This map shows current and near-term terrestrial intactness, as well as long term potential for development and climate change. These datasets are the results of a series of fuzzy logic models that integrate many landscape factors, including urban, agriculture, roads, invasive vegetation, and fire regime.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			1, 4-12, (Appendix A page 40), (Appendix D page 234, 239)
COP Terrestrial Intactness and Potential For Change (HUC5)	This map shows current and near-term terrestrial intactness, as well as long term potential for development and climate change. These datasets are the results of a series of fuzzy logic models that integrate many landscape factors, including urban, agriculture, roads, invasive vegetation, and fire regime.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>			6-1, 6-2 (Appendix D page 235, 240)
COP Terrestrial Species Group: Soil Crusts	This map shows percent cover of early and late successional soil crusts, and current, near-term, and long-term evaluations of these	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	A4 A5		4-6, (Appendix A page 23)
MQ A1: Where are soils susceptible to wind and water erosion?	This map shows soil factors that may contribute to wind or water erosion, derived from STATSGO and SSURGO soil data and slope information.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	A1		(Appendix A page 3)
MQ A2: Where are sensitive soils (including saline, sodic, gypsiferous, shallow, low water holding capacity)?	This map shows the location of sensitive soils, which were extracted from SSURGO and STATSGO soil datasets.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	A2		4-4, (Appendix A page 5)
MQ A4: Where are soils that have potential to have cryptogamic soil crusts?	This map shows percent cover of early and late successional soil crusts.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	A4 A5		4-6, (Appendix A page 23, 24, 25, 26)

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MQ A6: Where are hotspots producing fugitive dust that may contribute to accelerated snow melt in the Colorado Plateau?	This map shows the factors that may contribute to potential dust sources that could contribute to accelerated snow melt. These factors include soil factors, low vegetation cover, invasive annual vegetation, and land use.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	A6		4-5, (Appendix A page 29)
MQ B1: Where are lotic and lentic surface waterbodies and livestock and wildlife watering tanks and artificial water bodies?	This map shows waterbodies and flowlines from the National Hydrography Dataset.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	B1	Aquatic Ecosystems, Groundwater and Surface Water	(Appendix A page 30)
MQ B2: Where are perennial streams and stream reaches?	This map shows perennial rivers and streams from the National Hydrography Dataset. Not all perennial features were identified as perennial rivers and streams (e.g., artificial paths).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	B2	Aquatic Ecosystems, Groundwater and Surface Water	4-7, (Appendix A page 31)
MQ B3: What are seasonal discharge maxima and minima for the Colorado River and major tributaries at gaging stations?	This map shows average seasonal minimum and maximum flow rates at major gaging stations. The period of record varies for each gaging station; averages were for the entire period of record up to 9/30/2010.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	B3	Aquatic Ecosystems, Groundwater and Surface Water	(Appendix A page 33, 34)
MQ B4: Where are the alluvial aquifers and their recharge areas (if known)?	This map shows potential alluvial aquifers based on sand, gravel, and alluvium types in the surficial geology datasets of Arizona, Colorado, New Mexico, and Utah.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	B4	Aquatic Ecosystems, Groundwater and Surface Water	(Appendix A page 35)
MQ B6: Where are the aquatic systems listed on 303(d) with degraded water quality or low macroinvertebrate diversity?	This map shows the location of EPA 303(d) impaired water bodies.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	B1 B6	Aquatic Ecosystems, Groundwater and Surface Water	(Appendix A page 36)
MQ B7: What is the location/distribution of these aquatic biodiversity sites?	This map shows water features where aquatic biodiversity is likely to be important. It shows buffered streams, wetlands, and deepwater habitats that fall within protected areas or TNC portfolio areas.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	B7	Aquatic Ecosystems, Aquatic Sites of High Biodiversity	
MQ D1: What is the distribution of movement corridors?	This map shows least-cost corridors and large natural habitat blocks. These blocks and corridors may provide an essential network for various species to disperse through the landscape. Blocks are based on large areas of contiguous natural vegetation cover, and are subdivided by major roads. We connected blocks using sticks (to define a pair of blocks between which to model corridors), and developed least-cost corridors based on a cost surface developed from land cover	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	D1	Terrestrial Ecosystems	4-29, (Appendix C page 228)

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MQ D5: What is the location/distribution of terrestrial biodiversity sites?	This map shows the location of terrestrial biodiversity sites, which are mapped by The Nature Conservancy's Conservation Portfolio areas	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	D5	Terrestrial Sites of High Biodiversity Terrestrial Sites of High Ecological and/or Cultural Value	(Appendix A page 39)
MQ D7: Where are HMAs located?	This map shows the location of herd management areas (HMAs).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	A3 D7		(Appendix A page 9, 10, 41)
MQ E1: Where are the areas that have been changed by wildfire between 1999 and 2009?	This map shows areas that have experienced fire between 1999 and 2010, including fire severity information where available. Determination of "change" due to fire is not possible due to the lack of highly accurate pre- and post-fire maps of vegetation conditions, and the wide range of possible interpretations of what constitutes a change. Instead, the focus was placed on mapping the location of fires and severity; the overall likelihood of significant change in short term vegetation conditions increases with fire severity.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	E1	Fire	4-33, (Appendix A page 45)
MQ E2: Where are the areas with potential to change from wildfire?	This map shows current, near-term, and long-term estimates of fire occurrence potential due to human and natural causes. These estimates were developed using a Maxent model of 30 years of human and natural fire occurrences predicted against a variety of surfaces including elevation, lightning density, distance to roads and urban areas, vegetation type, and climate. The only factors that were varied to create the near and long-term estimates were climate.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	E2	Fire	3-9, 4-34, (Appendix A page 50, 51)
MQ E3: Where are the Fire Regime Condition Classifications?	This map shows fire regime departure estimates for the ecoregion, including measures of departure for fire severity and frequency in addition to existing measures of vegetation departure.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	E3	Fire	4-31, (Appendix A page 55)
MQ E4: Where is fire adverse to ecological communities, features, and resources of concern?	This map shows areas where fire may potentially be adverse to ecological communities. These areas are based on systems with historically longer fire frequency where invasive vegetation or uncharacteristic native vegetation occur.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	E4	Fire	4-32, (Appendix A page 57)
MQ F1: Where are areas dominated by aquatic invasives?	This map shows the location of major aquatic invasive species, compiled primarily from the USGS Nonindigenous Aquatic Invasives database.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	F1	Aquatic Ecosystems, Invasive Species	(Appendix A page 60)

<sup>1</sup> Open map in ArcGIS.com online; no software required; <sup>2</sup> Open map in ArcMap; ArcGIS Explorer, ArcGIS JavaScript, Google Earth, or ArcGIS.com; <sup>3</sup> See report: [http://www.blm.gov/wo/st/en/prog/more/Landscape\\_Approach/reas/coloplateau.html](http://www.blm.gov/wo/st/en/prog/more/Landscape_Approach/reas/coloplateau.html)

Map Title	Map Description	ArcGIS.com Link <sup>1</sup>	Map Service Link <sup>2</sup>	Management Question(s) <sup>3</sup>	Element or Agent(s) <sup>3</sup>	Figure(s) in Report <sup>3</sup>
MQ F1: Where are areas dominated by major vegetation invasives?	This map shows areas dominated by major invasive vegetation species (tamarisk and cheatgrass), compiled from multiple source datasets including LANDFIRE existing vegetation type, NatureServe national landcover, USGS early season invasives (Hanson et al.), and tamarisk probability (Jarnevich et al.)	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	F1	Invasive Species Tamarisk	4-30 (Tamarisk Insert figure 1, 4)
MQ F2: Where are the areas of potential future encroachment from this invasive species?	This map shows the current distribution of major invasive vegetation species (primarily cheatgrass and tamarisk), and predicted near-term future distribution of these species. Current distribution was derived from LANDFIRE EVT v1.1, NatureServe National Landcover v2.7, Early Season Invasives (USGS), Predicted Tamarisk Probability (USGS), and mapped areas of tamarisk. Predicted future distribution included these areas in addition to the invasive vegetation class from the LANDFIRE Succession Class v1.0 dataset.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	F2	Invasive Species Tamarisk	5-11, 6-13, (Appendix A page 62)
MQ G2: Where are areas of potential development (e.g., under lease), including renewable energy sites and transmission corridors and where are potential conflicts with CEs?	This map shows conservation element summaries within areas of potential near-term and long-term energy development. These summaries help highlight areas of potential conflict between conservation elements and energy development.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	G2	Oil, Gas, Mining, Renewable Energy	5-3, 5-4, 5-5, 5-6
MQ H1: Where are high-use recreation sites, developments, roads, infrastructure or areas of intensive recreation use located (including boating)?	This map shows areas of high-use recreation, including recreation sites compiled from USFS and BLM, recreation areas (including OHV areas), water-based recreation areas (selected from NHD waterbodies), water-based recreation travel corridors (selected from NHD flowlines), and land-based recreation travel corridors (selected from BLM GTLF within federal / state lands and national trails).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	H1	Recreation	(Appendix A page 63)
MQ H2: Where are areas of concentrated recreation travel (OHV and other travel) located?	This map shows water-based recreation travel corridors (selected from NHD flowlines), and land-based recreation travel corridors (selected from BLM GTLF within federal / state lands and national trails).	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	H2	Recreation	(Appendix A page 64)
MQ H3: Where are allotments and type of allotment?	This map shows allotments by ownership type, compiled from datasets obtained from BLM and USFS. Also shows current and near-term status and long-term potential for change.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	H3	Climate Change, Grazing	(Appendix A page 6, 7, 8, 65)

<sup>1</sup> Open map in ArcGIS.com online; no software required; <sup>2</sup> Open map in ArcMap; ArcGIS Explorer, ArcGIS JavaScript, Google Earth, or ArcGIS.com; <sup>3</sup> See report: [http://www.blm.gov/wo/st/en/prog/more/Landscape\\_Approach/reas/coloplateau.html](http://www.blm.gov/wo/st/en/prog/more/Landscape_Approach/reas/coloplateau.html)

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MQ I3: Where are the designated non-attainment areas and Class I PSD areas?	This map shows Class I Federal PSD Areas using features selected from the CBI Protected Areas Database. Non-attainment areas are not mapped.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	I3		(Appendix A page 66)
MQ J4: Where are aquatic/riparian areas with potential to change from climate change?	This map shows naturalized flow change for April-July for 3 periods: 1951-1965 (historic), 2016-2030, and 2046-2060 simulated by the Bureau of Reclamation across 112 GCM scenarios.	<a href="#">ArcGIS.com</a>	<a href="#">Map Service</a>	J4	Aquatic Ecosystems, Climate Change, Groundwater and Surface Water	(Appendix A page 67)

<sup>1</sup> Open map in ArcGIS.com online; no software required; <sup>2</sup> Open map in ArcMap; ArcGIS Explorer, ArcGIS JavaScript, Google Earth, or ArcGIS.com; <sup>3</sup> See report: [http://www.blm.gov/wo/st/en/prog/more/Landscape\\_Approach/reas/coloplateau.html](http://www.blm.gov/wo/st/en/prog/more/Landscape_Approach/reas/coloplateau.html)