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|  | **Where are Areas with High Conservation and Restoration Potential and Areas with High Development Potential?** | | |
|  | **Ecosystem Component** |  |  |
|  | ***Ecological Components*** | ***Management Questions*** | ***Category*** |
| 1 | Biotic Capacity (Integrity) | Where are native plant species of management concern and species of greatest conservation need? | Terrestrial |
| 2 |  | Where are native animal species of management concern and species of greatest conservation need? | Species |
| 3 |  | Where are native and unfragmented plant communities for grassland/shrubland/savanna, riparian, and forest cover types? | Terrestrial |
| 4 |  | Where are ecologically unique endemic species/communities of management concern including culturally significant communities? | Species |
| 5 |  | Where are areas where species composition represents a native, intact community and/or high species diversity? | Species |
| 6 |  | Where are areas described explicitly for aquatic or terrestrial wildlife habitat connectivity? | Species |
| 7 |  | Where are areas or watersheds of significance for native species of economic and recreational importance? | Species |
| 8 | Hydrologic Capacity (Function) | Where are watersheds that support perennial water/aquatic systems? | Riparian/Aquatic |
| 9 |  | Where are riparian/aquatic areas that represent unique environments and support diversity and connectivity? | Riparian/Aquatic |
| 10 | Restoration Capacity (Stability) | Where are areas with the biophysical setting necessary for reestablishment of community(s) of concern? | Terrestrial |
| 11 |  | Where are areas with high potential to restore or reconnect endemic species populations? | Species |
|  |  |  |  |
|  | ***Change Agents*** | ***Management Questions*** | ***Category*** |
| 1 | Climate Change | Where are climatic zones located today? | Climate |
| 2 |  | Where are species most vulnerable to changing climatic conditions? | Model |
| 3 |  | Where are areas with the greatest potential for thermal and hydrologic regime change? | Model |
| 4 | Wildland Fire | Where have fires occurred? | Fire |
| 5 |  | Where are areas with fuel loads and/or fuel continuity with high fire risk? | Model |
| 6 |  | Where are areas with high fire risk and/or high resource value and/or high likelihood of irreversible damage if fire occurred? | Model |
| 7 | Invasive Species | Where are exotic species located? | Invasive |
| 8 |  | Where is the range/extent of exotic species most likely to expand? | Model |
| 9 |  | Where are native species, i.e. Conifer, bark beetle expanding their range? | Model |
| 10 | Industrial Development | Where is existing energy development (e.g., oil and gas, coal, wind, geothermal, solar and energy transport)? | Energy |
| 11 |  | Where are existing commitments to future energy development (e.g., oil and gas, coal, wind, geothermal, solar and energy transport)? | Energy |
| 12 |  | Where is there potential for future energy development (e.g., oil and gas, coal, wind, geothermal and solar)? | Projected |
| 13 |  | Where are existing water diversions, dams, and other barriers that limit aquatic migration or restoration potential? | Water |
| 14 |  | Where are proposed water diversions, dams, and other barriers that may limit aquatic migration or restoration potential? | Water |
|  |  | Where are impaired waters, fish advisories, NPDES permits, and/or toxic release points? | Water |
| 15 | Urban Growth | Where is existing urban growth, including transportation infrastructure and other anthropogenic barriers that limit species migration or restoration potential? | Urban |
| 16 |  | Where is projected urban growth, including transportation infrastructure? | Model |
|  |  |  |  |
|  | ***Treatment Information*** | ***Management Questions*** | ***Data/Modeling*** |
| 1 |  | Where are fuels and weed treatments? | Treatment |
| 2 |  | Where are reforestation, reclamation and revegetation projects? | Treatment |
|  |  |  |  |
|  | ***Base Information*** | ***Management Questions*** | ***Data/Modeling*** |
| 1 | Land Ownership | Who owns the surface (e.g., federal, Tribal, state, private)? | Base |
| 2 |  | Who owns the subsurface? (e.g., federal, non-federal)? | Base |
| 3 | Administrative Boundaries | Who has administrative jurisdiction (e.g., state, county, congressional districts)? | Base |
| 4 |  | Where are agency administrative boundaries? | Base |
| 5 |  | Where are BLM administrative units? | Base |
| 6 | Protected Areas | Where are existing protected areas (e.g., federal, state, NGO)? | Base |
| 7 |  | Where are priority areas identified in other assessments? | Base |
| 8 |  | Where are outdoor recreation priority and highly managed recreational areas? | Base |
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|  | ***Geospatial Synthesis*** | ***Management Questions*** | ***Model*** |
| 1 | Conservation Areas | Where are areas with highest conservation potential for wide ranging species? | Model-For example: Areas with biotic integrity, hydrologic function and soil site stability AND sufficient size AND ability to persist AND low threat from change agents |
| 2 |  | Where are areas with high conservation values and high risk potential? | Model-For example: Relatively intact endemic species/communities of management concern AND ability to persist AND high threat from change agents |
| 3 |  | Where are conservation areas for unique, significant and endemic populations with limited adaptation ability? | Model |
| 4 | Restoration Areas | Where are areas with highest restoration potential? | Model-For Example: Biophysical setting (soils, elevation, landform, climate) requirements for selected community of interest AND likelihood of success (legacy treatment) AND low risk from change agents |
| 5 | Development Areas | Where are areas with high development potential? | Model-For example: Areas low in conservation potential AND low in restoration potential AND areas with greatest potential to be impacted by change agents |

Source documents:

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