

National and State Resource Concerns and Quality Criteria					
ANIMALS					
National Natural Resource Concern	Description of Concern	Quality Criteria	State Quality Criteria	Measurement Units	* Assessment Tools for Quality Criteria Evaluation
Fish and Wildlife - Inadequate Food	Quantity and quality of food is unavailable to meet the life history requirements of the species or guild of species of concern	Food availability meets the life history requirements of the species or guild of species of concern.	Food availability meets the life history requirements of the species or guild of species of concern. <i>Habitat is managed to meet Upland Wildlife Habitat Management (645), Wetland Wildlife Habitat Management (644), Fishpond Management (399) or Stream Habitat Improvement and Management (395) standards.</i>	Non Measurable	645 Upland Wildlife Habitat Management standard and/or WVWHET OR Documented inventory of food species for target wildlife OR 644 Wetland Wildlife Habitat Management standard OR 395 Stream Habitat Improvement and Management standard OR 399 Fishpond Management standard
Fish and Wildlife – Inadequate Cover/Shelter	Cover/shelter for the species of concern is unavailable or inadequate. For aquatic species, this includes lack of hiding, thermal, and/or refuge cover	The ecosystem or habit types support the necessary plant species in the kinds, amounts, and physical structure; and the connectivity of fish and wildlife cover is adequate to support, over time, the species of concern.	The ecosystem or habit types support the necessary plant species in the kinds, amounts, and physical structure; and the connectivity of fish and wildlife cover is adequate to support, over time, the species of concern. <i>Habitat is managed to meet Upland Wildlife Habitat Management (645), Wetland Wildlife Habitat Management (644), Fishpond Management (399) or Stream Habitat Improvement and Management (395) standards.</i>	Non Measurable	645 Upland Wildlife Habitat Management standard and/or WVWHET OR Documented inventory of cover requirements for target wildlife OR 644 Wetland Wildlife Habitat Management standard OR 395 Stream Habitat Improvement and Management standard OR 399 Fishpond Management standard

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Fish and Wildlife – Inadequate Water	The quantity and quality of water is unacceptable for the species of concern.	The quantity and quality of water meets the life history requirements of the species of concern.	The quantity and quality of water meets the life history requirements of the species of concern. <i>Dissolved oxygen levels are sufficient for intended use based on measured samples. This requirement may be met for fish habitat when the requirements of the (399) Fishpond Management, (644) Wetland Wildlife Management, and/or the (395) standards are met.</i>	Non Measurable	<p>TERRESTRIAL HABITAT - aerial photo analysis with documented inventory of water supplies/sources as outlined in the (648) Wildlife Watering Facility standard</p> <p>OR</p> <p>AQUATIC HABITAT - Surface water dissolved oxygen sampling and assay</p> <p>OR</p> <p>AQUATIC HABITAT - National Inventory & Assessment Procedure For Identifying Barriers to Aquatic Organism Passage at Road-Stream Crossings</p> <p>OR</p> <p>AQUATIC HABITAT - SVAP (Stream Visual Assessment Protocol)</p>
Fish and Wildlife – Habitat Fragmentation	Habitat has insufficient structure, extent, and connectivity to provide ecological functions and/or achieve management objectives.	Fish and wildlife habitats are connected and are maintained sufficiently to support the species or guild of species of concern.	SAME AS NATIONAL	Non Measurable	<p>Documented inventory or photo analysis of patches, corridors, matrices and target species or guild</p> <p>OR</p> <p>Approved inventory and documentation forms (e.g. LTP 3004)</p> <p>OR</p> <p>AQUATIC HABITAT - National Inventory & Assessment Procedure For Identifying Barriers to Aquatic Organism Passage at Road-Stream Crossings</p> <p>OR</p> <p>AQUATIC HABITAT - SVAP (Stream Visual Assessment Protocol)</p>

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Fish and Wildlife – Threatened and Endangered Species – Federal, State or Tribal Recognized Species	The site includes individuals, habitat or potential habitat for one or more fish or wildlife species that the State or Tribal government with jurisdiction, or the State Technical Committee, has identified as a species of concern. This includes plant species which have been identified as candidates for listing under the Endangered Species Act.	Populations and/or habitats of fish and wildlife species of concern are managed to maintain, increase or improve current populations, health, or sustainability.	Populations and/or habitats of fish and wildlife species of concern are managed to maintain, increase or improve current populations, health, or sustainability <i>as directed by the WVDNR Natural Heritage Program and/or the USFWS recovery plans.</i>	Non Measurable	Species is listed in eFOTG Section II Endangered Species Lists and associated references OR Consultation with appropriate federal, state, and local agencies/groups OR Documented site inventory OR Fish and wildlife recovery plans
Fish and Wildlife – Threatened and Endangered Species, Declining Species, and Species of Concern	The site includes individuals, habitat or potential habitat for one or more fish or wildlife species that the State or Tribal government with jurisdiction, or the State Technical Committee, has identified as a species of concern. This includes fish and wildlife species that have been identified as candidates for listing under the Endangered Species Act.	Fish or wildlife, and/or habitats they occupy, are managed to increase their current populations, health, or sustainability.	Fish or wildlife, and/or habitats they occupy, are managed to increase their current populations, health, or sustainability <i>as indicated by the WVDNR Natural Heritage Program and/or within the West Virginia State Wildlife Action Plan.</i>	Non Measurable	Listed in eFOTG Section II Endangered Species Lists and associated references OR Consultation with appropriate federal, state, and local agencies/groups OR Documented site inventory OR USFWS - Fish and wildlife recovery plans

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Domestic Animals – Inadequate Quantities of Feed and Forage	Total feed and forage is insufficient to meet the production needs of the kinds and classes of livestock	Feed and forage including supplemental nutritional requirements are provided to meet production goals for the kinds and classes of livestock.	SAME AS NATIONAL	Non Measurable	528 Prescribed Grazing Worksheets
Domestic Animals – Inadequate Shelter	Livestock are not protected sufficiently to meet the production goals for the kinds and classes of livestock.	Artificial and/or natural shelter is provided to meet production goals for the kinds and classes of livestock.	SAME AS NATIONAL	Non Measurable	Client interview with visual assessment and documented inventory of facilities and their capacities
Domestic Animals – Inadequate Stock Water	The quantity, quality or distribution of drinking water is insufficient to meet the production goals for the kinds and classes of livestock.	Sufficient water of acceptable quality is provided and adequately distributed to meet production goals for the kinds and classes of livestock.	Sufficient water of acceptable quality is provided and adequately distributed (<i>sources of available water are accessible and no further than 800 feet over 90% of the pasture unit</i>) to meet production goals for the kinds and classes of livestock.	Non Measurable	DISTRIBUTION - Documented inventory of distribution needs which may include visual assessment and aerial photo analysis. OR QUANTITY - Engineering Field Handbook Chapter 11. Refer to Table 11-1. OR QUALITY - Water quality laboratory test results or documented WQ assessment

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Domestic Animals - Stress and Mortality	Animals exhibit illness or death from disease, parasites, insects, poisonous plants, or other factors.	Land and water use and management are consistent with activities conducted to alleviate stress and mortality factors.	SAME AS NATIONAL	Non Measurable	Documented inventory of indicators of health and mortality conditions. (i.e. photos, records, etc.) OR Animal health/mortality alerts as directed by the WVDA and other state and federal agencies and follow appropriate guidance OR State and local bio-security protocols and follow appropriate guidance OR State and local standards for animal disposal and follow appropriate guidance

* Assessment tools shown are the principle tool(s) used in determining the presence or absence of this resource concern. **If a particular resource concern is selected, documentation of the use and/or application of the tool(s) is required.** NOTE: Other tools may be available that provide additional data or supporting information.