

Appendix E – Biological Resources

Aquatic species viability determinations incorporate elements of species distribution, abundance and sensitivities to environmental factors; watershed condition relative to the species' environmental sensitivities; and the National Forest role in the watershed. Viability determination outcomes are described in the following tabulation.

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| Outcome 1 | Species occurs within watersheds with no impairment. Likelihood of maintaining viability is high. |
| Outcome 2 | Species is potentially at risk in the watershed; however, Forest Service may influence conditions in the watershed to keep it well distributed. Therefore, likelihood of maintaining viability is moderate. |
| Outcome 3 | Species is potentially at risk within the watershed; however, Forest Service opportunity to affect outcomes for the species in the watershed is limited. Therefore, species viability in the watershed is at risk. |
| Outcome 4 | The species is so rare within the watershed (population is at very low density and/or at only a few local sites) that stochastic events (accidents, weather events, etc.) may place persistence of the species within the watershed at risk. Forest Service may influence conditions in the watershed to keep the species relatively secure. Therefore, likelihood of maintaining viability is moderate to low. |
| Outcome 5 | The species is so rare within the watershed (population is at very low density and/or at only a few local sites) that stochastic events (accidents, weather events, etc.) may place persistence of the species at risk in the watershed. Forest Service opportunity to affect outcomes for the species in the watershed is limited. Therefore, species viability in the watershed is at risk. |

Table E.1 Viability Outcome for All Aquatic Species of Viability Concern under All Alternatives on the Ouachita National Forest by Watershed

| <i>Scientific Name</i> | 5th Level Hydrologic Unit/Watershed | HUC Importance to Species | Percent Forest Service Ownership | Risk from Point Source | Risk from Riparian Health | Risk from Hydrological Modification | Risk from Predicted Increased Sediment | Current Risk to Species Viability | NFS Ownership Importance |
|---|--------------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|-------------------------------------|--|-----------------------------------|--------------------------|
| Aquatic Plant Species of Viability Concern | | | | | | | | | |
| <i>Harperella (Ptilimnium nodosum)</i> | 1111020601 Cedar Creek | Critical | 80.50 | Low | Low | Low | Low | Low | Outcome 2 |
| | 1111020605 South Fork Fourche | Critical | 54.26 | Low | Low | Low | Low | | Outcome 2 |
| | 804010103 Muddy Fiddler | Critical | 72.54 | Moderate | Moderate | Low | Low | | Outcome 2 |
| | 804010105 North Fork Ouachita | Critical | 71.41 | Moderate | Low | Low | Low | | Outcome 2 |
| Crayfish Species of Viability Concern | | | | | | | | | |
| <i>A Crayfish (Fallicambarus harpi)</i> | 804010109 Little Mazarn | Critical | 1.40 | High | High | High | Low | Low | Outcome 5 |
| | 804010206 Carney Creek | Critical | 14.79 | Moderate | Moderate | Moderate | Low | | |
| | 804010207 South Fork Caddo | Critical | 48.97 | High | Low | Moderate | Low | | |
| <i>A Crayfish (Fallicambarus jeanae)</i> | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | Low | Outcome 5 |
| | 804010302 Greeson | High | 2.85 | High | Low | Moderate | Low | | |
| <i>A Crayfish (Fallicambarus strawni)</i> | 1114010904 Cossatot Headwaters | High | 31.46 | Moderate | Low | Moderate | Low | Low | Outcome 2 |
| | 1114010907 Shady Lake | High | 7.14 | Moderate | High | Low | Low | | Outcome 3 |
| | 804010301 Little Missouri Headwaters | High | 54.98 | High | Low | Moderate | Low | | Outcome 2 |

| <i>Scientific Name</i> | 5th Level Hydrologic Unit/Watershed | HUC Importance to Species | Percent Forest Service Ownership | Risk from Point Source | Risk from Riparian Health | Risk from Hydrological Modification | Risk from Predicted Increased Sediment | Current Risk to Species Viability | NFS Ownership Importance |
|---|--------------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|-------------------------------------|--|-----------------------------------|--------------------------|
| A Crayfish (<i>Orconectes menae</i>) | 1114010501 Kiamichi Headwaters | Critical | 49.83 | Low | Low | Low | Low | Low | Outcome 2 |
| | 804010101 Irons Fork | High | 37.90 | Moderate | High | High | Low | | Outcome 2 |
| | 804010301 Little Missouri Headwaters | High | 54.98 | High | Low | Moderate | Low | | Outcome 2 |
| A Crayfish (<i>Orconectes saxatilis</i>) | 1114010501 Kiamichi Headwaters | High | 49.83 | Low | Low | Low | Low | Low | Outcome 2 |
| A Crayfish (<i>Procambarus tenuis</i>) | 1114010501 Kiamichi Headwaters | Critical | 49.83 | Low | Low | Low | Low | Low | Outcome 2 |
| | 804010101 Irons Fork | Critical | 37.90 | Moderate | High | High | Low | | |
| A Crayfish (<i>Procambarus reimeri</i>) | 804010101 Irons Fork | High | 37.90 | Moderate | High | High | Low | Low | Outcome 2 |
| Fish Species of Viability Concern | | | | | | | | | |
| Crystal Darter (<i>Crystallaria asprella</i>) | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | Moderate | Outcome 5 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| Paleback Darter (<i>Etheostoma pallidorsum</i>) | 804010205 Caddo Headwaters | Critical | 64.12 | Moderate | High | Low | Low | Low | Outcome 2 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 2 |
| | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 3 |
| | 804010207 South Fork Caddo | High | 48.97 | High | Low | Moderate | Low | | Outcome 2 |

| <i>Scientific Name</i> | 5th Level Hydrologic Unit/Watershed | HUC Importance to Species | Percent Forest Service Ownership | Risk from Point Source | Risk from Riparian Health | Risk from Hydrological Modification | Risk from Predicted Increased Sediment | Current Risk to Species Viability | NFS Ownership Importance |
|--|-------------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|-------------------------------------|--|-----------------------------------|--------------------------|
| Paleback Darter (<i>Etheostoma pallidorsum</i>) continued | 804010107 Lake Hamilton | Moderate | 16.10 | High | Moderate | High | Low | | Outcome 3 |
| | 804010108 Mazarn | Moderate | 48.11 | Low | Moderate | Low | Low | | Outcome 2 |
| Goldstripe Darter (<i>Etheostoma parvipinne</i>) | 1114010604 Norwood | Critical | 10.96 | Low | Moderate | Moderate | High | High | Outcome 3 |
| | 1114010605 McKinney Creek | Critical | 3.73 | Low | Moderate | Low | High | High | Outcome 3 |
| | 1114010901 Flat Creek | Critical | 2.56 | Moderate | Low | Moderate | Moderate | Moderate | Outcome 3 |
| | 1114010903 Lower Rolling Fork | Critical | 1.12 | High | Moderate | Moderate | Moderate | Moderate | Outcome 3 |
| | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | Moderate | Outcome 3 |
| | 1114010805 Broken Bow Lake | Moderate | 29.32 | Low | Moderate | Low | Low | Low | Outcome 3 |
| Ouachita Mountain Shiner (<i>Lythrurus snelsoni</i>) | 1114010704 Glover | Critical | 16.82 | Low | Low | Moderate | Low | Low | Outcome 1 |
| | 1114010804 Beech | Critical | 15.31 | Low | Low | Moderate | Low | | |
| | 1114010805 Broken Bow Lake | Critical | 29.32 | Low | Moderate | Low | Low | | |
| Redspot Chub (<i>Nocomis asper</i>) | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | Low | Outcome 1 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | |
| Kiamichi Shiner (<i>Notropis ortenburgeri</i>) | 1111010501 Poteau Headwaters | Critical | 36.24 | Moderate | High | High | Moderate | Moderate | Outcome 3 |
| | 1111010502 | Critical | 73.55 | Low | Low | Low | Low | Low | Outcome 1 |

| <i>Scientific Name</i> | 5th Level Hydrologic Unit/Watershed | HUC Importance to Species | Percent Forest Service Ownership | Risk from Point Source | Risk from Riparian Health | Risk from Hydrological Modification | Risk from Predicted Increased Sediment | Current Risk to Species Viability | NFS Ownership Importance |
|--|-------------------------------------|---------------------------|----------------------------------|------------------------|---------------------------|-------------------------------------|--|-----------------------------------|--------------------------|
| Kiamichi Shiner (<i>Notropis ortenburgeri</i>) continued | Black Fork | | | | | | | | |
| | 1111010503 Middle Poteau | Critical | 41.22 | Moderate | High | Moderate | Low | Low | Outcome 1 |
| | 1111010505 Wister | Critical | 33.44 | Moderate | Moderate | Low | Low | Low | Outcome 1 |
| | 1111020601 Cedar Creek | Critical | 80.42 | Low | Low | Low | Low | Low | Outcome 1 |
| | 1114010501 Kiamichi Headwaters | Critical | 49.83 | Low | Low | Low | Low | Low | Outcome 1 |
| | 1114010605 McKinney Creek | Critical | 3.73 | Low | Moderate | Low | High | High | Outcome 3 |
| | 1114010705 Lower Little River | Critical | 1.91 | Moderate | Moderate | High | Moderate | Moderate | Outcome 3 |
| | 1114010805 Broken Bow Lake | Critical | 29.32 | Low | Moderate | Low | Low | Low | Outcome 1 |
| | 1114010901 Flat Creek | Critical | 2.56 | Moderate | Low | Moderate | Moderate | Moderate | Outcome 3 |
| | 1114010902 Upper Rolling Fork | Critical | 0.14 | Moderate | Low | High | Low | Low | Outcome 1 |
| | 1114010903 Lower Rolling Fork | Critical | 1.12 | High | Moderate | Moderate | Moderate | Moderate | Outcome 3 |
| | 804010101 Irons Fork | Critical | 37.90 | Moderate | High | High | Low | Low | Outcome 1 |
| | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | Low | Outcome 1 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | Low | Outcome 1 |

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|--|-------------------------------------|----------|-------|----------|----------|----------|----------|-----|-----------|
| Peppered Shiner (<i>Notropis perpallidus</i>) | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | Low | Outcome 3 |
| | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | | Outcome 3 |
| | 1114010805 Broken Bow Lake | High | 29.32 | Low | Moderate | Low | Low | | Outcome 2 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 3 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 2 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 2 |
| | 804010103 Muddy Fiddler | Moderate | 72.54 | Moderate | Moderate | Low | Low | | Outcome 2 |
| | 804010206 Carney Creek | Moderate | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 3 |
| Ouachita Madtom (<i>Noturus lachneri</i>) | 804020301 Alum Fork | Critical | 30.03 | Moderate | Low | Moderate | Low | Low | Outcome 2 |
| | 804020302 North Fork Saline | Critical | 23.07 | Moderate | Low | High | Low | | Outcome 3 |
| | 804020303 Middle Fork Saline | Critical | 12.17 | High | Moderate | High | Low | | Outcome 3 |
| | 804010207 South Fork Caddo | High | 48.97 | High | Low | Moderate | Low | | Outcome 2 |

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|---|--|----------|-------|----------|----------|----------|------|----------|-----------|
| Caddo Madtom (<i>Noturus taylori</i>) | 804010205 Caddo Headwaters | Critical | 64.12 | Moderate | High | Low | Low | Low | Outcome 1 |
| | 804010207 South Fork Caddo | Critical | 48.97 | High | Low | Moderate | Low | | Outcome 1 |
| | 804010101 Irons Fork | High | 37.90 | Moderate | High | High | Low | | Outcome 1 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 1 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 1 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 3 |
| | 804010301 Little Missouri Headwaters | Low | 54.98 | High | Low | Moderate | Low | | Outcome 1 |
| Longnose Darter (<i>Percina nasuta</i>) | 1111010505 Wister | Critical | 33.45 | Moderate | Moderate | Low | Low | Moderate | Outcome 4 |
| | 1111010506 Riddle Creek | Critical | 2.76 | Moderate | High | High | High | | Outcome 5 |
| Leopard Darter (<i>Percina pantherina</i>) | 1114010704 Glover | Critical | 16.82 | Low | Low | Moderate | Low | Low | Outcome 5 |
| | 1114010801 Twomile | Critical | 40.16 | Moderate | Moderate | Moderate | Low | | Outcome 4 |
| | 1114010804 Beech | Critical | 15.31 | Low | Low | Moderate | Low | | Outcome 5 |
| | 1114010805 Broken Bow Lake | Critical | 29.32 | Low | Moderate | Low | Low | | Outcome 4 |
| | 1114010902 Upper Rolling Fork | Moderate | 0.14 | Moderate | Low | High | Low | | Outcome 5 |
| | 1114010904 Cossatot Headwaters | Moderate | 31.46 | Moderate | Low | Moderate | Low | | Outcome 4 |

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|---|--------------------------------------|----------|-------|----------|----------|----------|----------|----------|-----------|
| Ouachita Darter (<i>Percina</i> sp. nov) | 1111020605 South Fork Fourche | High | 54.26 | Low | Low | Low | Low | Low | Outcome 4 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 4 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 4 |
| Freshwater Mussel Species of Viability Concern | | | | | | | | | |
| Elktoe (<i>Alasmidonta marginata</i>) | 804010102 Kates Creek | Critical | 44.79 | Low | Moderate | Moderate | Low | Low | Outcome 4 |
| | 804010103 Muddy Fiddler | Critical | 72.54 | Moderate | Moderate | Low | Low | | Outcome 4 |
| | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 5 |
| | 804020302 North Fork Saline | High | 23.07 | Moderate | Low | High | Low | | Outcome 5 |
| Flat Floater (<i>Anodonta suborbiculata</i>) | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | Low | Outcome 3 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 4 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 4 |
| | 804010106 Blakely | High | 48.49 | Moderate | Low | Low | Low | | Outcome 4 |
| Ouachita Rock Pocketbook (<i>Arkansia wheeleri</i>) | 1114010501 Kiamichi Headwaters | Moderate | 49.83 | Low | Low | Low | Low | Moderate | Outcome 1 |
| | 1114010705 Lower Little River | Moderate | 1.91 | Moderate | Moderate | High | Moderate | | Outcome 5 |
| | 1114010901 Flat Creek | Moderate | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| Spectacle Case (<i>Cumberlandia monodonta</i>) | 804010103 Muddy Fiddler | Low | 72.54 | Moderate | Moderate | Low | Low | Low | Outcome 4 |
| Western Fanshell (<i>Cyprogenia aberti</i>) | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | Low | Outcome 1 |
| | 804010103 | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 1 |

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|---|-----------------------------------|----------|-------|----------|----------|----------|----------|-----------|
| Western Fanshell (<i>Cyprogenia aberti</i>) continued | Muddy Fiddler | | | | | | | |
| | 804010206 Carney Creek | Moderate | 14.79 | Moderate | Moderate | Moderate | Low | Outcome 2 |
| | 804010106 Blakely | Low | 48.49 | Moderate | Low | Low | Low | Outcome 1 |
| Butterfly (<i>Ellipsaria lineolata</i>) | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | Outcome 3 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | Outcome 3 |
| | 1111020403 Deadman Creek | Moderate | 25.11 | Low | High | Moderate | High | Outcome 3 |
| | 1114010501 Kiamichi Headwaters | Moderate | 49.83 | Low | Low | Low | Low | Outcome 1 |
| | 1114010704 Glover | Moderate | 16.82 | Low | Low | Moderate | Low | Outcome 1 |
| | 804010206 Carney Creek | Moderate | 14.79 | Moderate | Moderate | Moderate | Low | Outcome 1 |
| Spike (<i>Elliptio dilatata</i>) | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | Outcome 1 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | Outcome 1 |
| | 1111010503 Middle Poteau | Moderate | 41.24 | Moderate | High | Moderate | Low | Outcome 1 |
| | 1111010505 Wister | Moderate | 33.46 | Moderate | Moderate | Low | Low | Outcome 1 |
| | 1111010506 Riddle Creek | Moderate | 2.77 | Moderate | High | High | High | Outcome 2 |
| | 1111020601 Cedar Creek | Moderate | 80.44 | Low | Low | Low | Low | Outcome 1 |
| | 1111020602 Gafford Creek | Moderate | 63.50 | Low | High | Low | Low | Outcome 1 |
| | 804010104 South Fork Ouachita | Moderate | 66.43 | Moderate | High | Moderate | Low | Outcome 1 |
| | 804010106 Blakely | Moderate | 48.49 | Moderate | Low | Low | Low | Outcome 1 |
| | 804010206 Carney Creek | Moderate | 14.79 | Moderate | Moderate | Moderate | Low | Outcome 2 |

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|--|--|----------|-------|----------|----------|----------|----------|----------|-----------|
| Spike (<i>Elliptio dilatata</i>) continued | 804010301 Little Missouri Headwaters | Moderate | 54.98 | High | Low | Moderate | Low | | Outcome 1 |
| | 804010302 Greeson | Moderate | 2.85 | High | Low | Moderate | Low | | Outcome 2 |
| Ebony Shell (<i>Fusconaia ebena</i>) | 1111020403 Deadman Creek | Moderate | 25.10 | Low | High | Moderate | High | Moderate | Outcome 3 |
| | 1114010805 Broken Bow Lake | Moderate | 29.32 | Low | Moderate | Low | Low | | Outcome 1 |
| | 1114010901 Flat Creek | Moderate | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 3 |
| Pink Mucket (<i>Lampsilis abrupta</i>) | 1111010501 Poteau Headwaters | High | 36.26 | Moderate | High | High | Moderate | Moderate | Outcome 4 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| Louisiana Fatmucket (<i>Lampsilis hydiana</i>) | 804010101 Irons Fork | Critical | 37.90 | Moderate | High | High | Low | Low | Outcome 1 |
| | 804010102 Kates Creek | Critical | 44.79 | Low | Moderate | Moderate | Low | | Outcome 1 |
| | 804010104 South Fork Ouachita | Critical | 66.43 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 1111010501 Poteau Headwaters | High | 36.27 | Moderate | High | Moderate | Moderate | | Outcome 1 |
| | 1111010503 Middle Poteau | High | 41.26 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 1111020601 Cedar Creek | High | 80.47 | Low | Low | Low | Low | | Outcome 1 |
| | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | | Outcome 3 |
| | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | | Outcome 3 |
| | 1114010801 Twomile | High | 40.16 | Moderate | Moderate | Moderate | Low | | Outcome 1 |
| | 1114010804 Beech | High | 15.31 | Low | Low | Moderate | Low | | Outcome 3 |

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|--|---|----------------------------|----------|----------|----------|----------|----------|-----------|-----------|
| Louisiana Fatmucket (<i>Lampsilis hydiana</i>) continued | 1114010805 Broken Bow Lake | High | 29.32 | Low | Moderate | Low | Low | | Outcome 1 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 3 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 1 |
| | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 3 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | | Outcome 1 |
| | 804020302 North Fork Saline | High | 23.07 | Moderate | Low | High | Low | | Outcome 3 |
| | 804020303 Middle Fork Saline | High | 12.17 | High | Moderate | High | Low | | Outcome 3 |
| | 804010106 Blakely | Moderate | 48.49 | Moderate | Low | Low | Low | | Outcome 1 |
| | Southern Pocketbook (<i>Lampsilis ornata</i>) | 804010103 Muddy Fiddler | Critical | 72.54 | Moderate | Moderate | Low | | Low |
| 804010206 Carney Creek | | Critical | 14.79 | Moderate | Moderate | Moderate | Low | Outcome 3 | |
| 804020303 Middle Fork Saline | | Critical | 12.17 | High | Moderate | High | Low | Outcome 3 | |
| 804020301 Alum Fork | | Moderate | 30.03 | Moderate | Low | Moderate | Low | Outcome 2 | |
| Arkansas Fatmucket (<i>Lampsilis powelli</i>) | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | Low | Outcome 5 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 4 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | | Outcome 5 |
| | 804010101 Irons Fork | Moderate | 37.90 | Moderate | High | High | Low | | Outcome 5 |
| | 804010103 Muddy Fiddler | Moderate | 72.54 | Moderate | Moderate | Low | Low | | Outcome 5 |
| | 804010205 | Moderate | 64.12 | Moderate | High | | Low | | Outcome 5 |

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|---|-------------------------------|----------|-------|----------|----------|----------|----------|-----|-----------|
| Arkansas Fatmucket (<i>Lampsilis powelli</i>) continued | Headwaters | | | | | | | | |
| | 804010206 Carney Creek | Moderate | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 5 |
| | 804020302 North Fork Saline | Moderate | 23.07 | Moderate | Low | High | Low | | Outcome 5 |
| | 804020303 Middle Fork Saline | Moderate | 12.17 | High | Moderate | High | Low | | Outcome 5 |
| | 804010106 Blakely | Low | 48.49 | Moderate | Low | Low | Low | | Outcome 5 |
| Sandbank Pocketbook (<i>Lampsilis satura</i>) | 1114010801 Twomile | High | 40.16 | Moderate | Moderate | Moderate | Low | Low | Outcome 4 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 4 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 4 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 4 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | | Outcome 4 |
| | 804020302 North Fork Saline | High | 23.07 | Moderate | Low | High | Low | | Outcome 5 |
| | 804020303 Middle Fork Saline | High | 12.17 | High | Moderate | High | Low | | Outcome 5 |
| | 804010106 Blakely | Low | 48.49 | Moderate | Low | Low | Low | | Outcome 1 |
| Fatmucket (<i>Lampsilis siliquoidea</i>) | 1111010501 Poteau Headwaters | Critical | 36.25 | Moderate | High | High | Moderate | Low | Outcome 2 |
| | 1111010503 Middle Poteau | Critical | 41.25 | Moderate | High | Moderate | Low | | Outcome 4 |
| | 1111020601 Cedar Creek | Critical | 80.45 | Low | Low | Low | Low | | Outcome 4 |
| | 1114010801 | High | 40.16 | Moderate | Moderate | Moderate | Low | | Outcome 4 |

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| Fatmucket (<i>Lampsilis siliquoidea</i>) continued | Twomile | | | | | | | | |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| | 804010101 Irons Fork | High | 37.90 | Moderate | High | High | Low | | Outcome 4 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 4 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 4 |
| Fluted Shell (<i>Lasmigona costata</i>) | 804010102 Kates Creek | Critical | 44.79 | Low | Moderate | Moderate | Low | Low | Outcome 1 |
| | 804010103 Muddy Fiddler | Critical | 72.54 | Moderate | Moderate | Low | Low | | Outcome 1 |
| | 804010206 Carney Creek | Critical | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 3 |
| | 1111020601 Cedar Creek | High | 80.43 | Low | Low | Low | Low | | Outcome 1 |
| | 1111020602 Gafford Creek | High | 63.49 | Low | High | Low | Low | | Outcome 1 |
| | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | | Outcome 3 |
| | 1114010804 Beech | High | 15.31 | Low | Low | Moderate | Low | | Outcome 3 |
| | 1114010805 Broken Bow Lake | High | 29.32 | Low | Moderate | Low | Low | | Outcome 4 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | | Outcome 4 |
| | 804020302 North Fork Saline | High | 23.07 | Moderate | Low | High | Low | | Outcome 4 |
| | 804020303 Middle Fork Saline | High | 12.17 | High | Moderate | High | Low | | Outcome 4 |
| | 1111010503 Middle Poteau | Moderate | 41.23 | Moderate | High | Moderate | Low | | Outcome 3 |
| | 1114010705 | Moderate | 1.91 | Moderate | Moderate | | Moderate | | Outcome 5 |

| | | | | | | | | | |
|--|---|-----------------------------|----------|----------|----------|----------|----------|-----------|-----------|
| Fluted Shell (<i>Lasmigona costata</i>) continued | River | | | | | | | | |
| | 804010106 Blakely | Low | 48.49 | Moderate | Low | Low | Low | | Outcome 4 |
| | 1111020605 South Fork Fourche | Moderate | 54.26 | Low | Low | Low | Low | Low | Outcome 1 |
| | 1114010804 Beech | Moderate | 15.31 | Low | Low | Moderate | Low | | Outcome 3 |
| Black Sandshell (<i>Ligumia recta</i>) | 1111010505 Wister | High | 33.47 | Moderate | Moderate | Low | Low | Low | Outcome 4 |
| | 1111010506 Riddle Creek | High | 2.78 | Moderate | High | High | High | | Outcome 5 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 4 |
| | 804010106 Blakely | High | 48.49 | Moderate | Low | Low | Low | | Outcome 4 |
| | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 5 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | | Outcome 4 |
| | 804020302 North Fork Saline | High | 23.07 | Moderate | Low | High | Low | | Outcome 5 |
| | 804020303 Middle Fork Saline | High | 12.17 | High | Moderate | High | Low | | Outcome 5 |
| | 804010103 Muddy Fiddler | Moderate | 72.54 | Moderate | Moderate | Low | Low | | Outcome 4 |
| | Southern Hickorynut (<i>Obovaria jacksoniana</i>) | 1111010503 Middle Poteau | Moderate | 41.28 | Moderate | High | Moderate | | Low |
| 1111020601 Cedar Creek | | Moderate | 80.48 | Low | Low | Low | Low | Outcome 4 | |
| 1114010501 Kiamichi Headwaters | | Moderate | 49.83 | Low | Low | Low | Low | Outcome 4 | |
| 1114010704 Glover | | Moderate | 16.82 | Low | Low | Moderate | Low | Outcome 5 | |
| 1114010705 Lower Little River | | Moderate | 1.91 | Moderate | Moderate | High | Moderate | Outcome 5 | |

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|--|-----------------------------------|----------|-------|----------|----------|----------|----------|----------|-----------|
| Southern Hickorynut (<i>Obovaria jacksoniana</i>) continued | 1114010804 Beech | Moderate | 15.31 | Low | Low | Moderate | Low | | Outcome 5 |
| | 1114010805 Broken Bow Lake | Moderate | 29.32 | Low | Moderate | Low | Low | | Outcome 4 |
| | 1114010901 Flat Creek | Moderate | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 5 |
| | 804020301 Alum Fork | Moderate | 30.03 | Moderate | Low | Moderate | Low | | Outcome 4 |
| | 804020302 North Fork Saline | Moderate | 23.07 | Moderate | Low | High | Low | | Outcome 5 |
| Ohio Pigtoe (<i>Pleurobema cordatum</i>) | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | Moderate | Outcome 5 |
| | 804010103 Muddy Fiddler | Moderate | 72.54 | Moderate | Moderate | Low | Low | | Outcome 2 |
| Pyramid Pigtoe (<i>Pleurobema rubrum</i>) | 1111020403 Deadman Creek | High | 25.09 | Low | High | Moderate | High | Moderate | Outcome 3 |
| | 1114010901 Flat Creek | High | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 1 |
| Ouachita Kidneyshell (<i>Ptychobranchnus occidentalis</i>) | 804010102 Kates Creek | Critical | 44.79 | Low | Moderate | Moderate | Low | Low | Outcome 1 |
| | 804010103 Muddy Fiddler | Critical | 72.54 | Moderate | Moderate | Low | Low | | Outcome 1 |
| | 804020302 North Fork Saline | Critical | 23.07 | Moderate | Low | High | Low | | Outcome 1 |
| | 1114010501 Kiamichi Headwaters | High | 49.83 | Low | Low | Low | Low | | Outcome 1 |
| | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | | Outcome 1 |
| | 804010206 Carney Creek | High | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 1 |
| | 804020301 Alum Fork | High | 30.03 | Moderate | Low | Moderate | Low | | Outcome 1 |
| | 804020303 Middle Fork Saline | High | 12.17 | High | Moderate | High | Low | | Outcome 1 |

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|--|--------------------------------------|----------|-------|----------|----------|----------|----------|-----------|-----------|
| Ouachita Kidneyshell (<i>Ptychobranchnus occidentalis</i>) continued | 1111020601 Cedar Creek | Moderate | 80.46 | Low | Low | Low | Low | | Outcome 1 |
| | 1111020602 Gafford Creek | Moderate | 63.51 | Low | High | Low | Low | | Outcome 1 |
| | 1114010705 Lower Little River | Moderate | 1.91 | Moderate | Moderate | High | Moderate | | Outcome 3 |
| | 1114010801 Twomile | Moderate | 40.16 | Moderate | Moderate | Moderate | Low | | Outcome 1 |
| | 1114010804 Beech | Moderate | 15.31 | Low | Low | Moderate | Low | | Outcome 1 |
| | 1114010805 Broken Bow Lake | Moderate | 29.32 | Low | Moderate | Low | Low | | Outcome 1 |
| | 1114010901 Flat Creek | Moderate | 2.56 | Moderate | Low | Moderate | Moderate | | Outcome 3 |
| | 1114010907 Shady Lake | Moderate | 7.14 | Moderate | High | Low | Low | | Outcome 1 |
| | 804010104 South Fork Ouachita | Moderate | 66.43 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 804010106 Blakely | Moderate | 48.49 | Moderate | Low | Low | Low | | Outcome 1 |
| | 804010207 South Fork Caddo | Moderate | 48.97 | High | Low | Moderate | Low | | Outcome 1 |
| Rabbitsfoot (<i>Quadrula cylindrica cylindrica</i>) | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | Low | Outcome 1 |
| Monkeyface (<i>Quadrula metanevra</i>) | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | Outcome 3 | |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | Outcome 1 | |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | Outcome 1 | |
| | 1114010501 Kiamichi Headwaters | Moderate | 49.83 | Low | Low | Low | Low | Outcome 1 | |

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|---|-------------------------------------|----------|-------|----------|----------|----------|----------|-----|-----------|
| Monkeyface (<i>Quadrula metanevra</i>) continued | 804010104 South Fork Ouachita | Moderate | 66.43 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 804010106 Blakely | Low | 48.49 | Moderate | Low | Low | Low | | Outcome 1 |
| Purple Lilliput (<i>Toxolasma lividus</i>) | 1111010501 Poteau Headwaters | High | 36.28 | Moderate | High | High | Moderate | Low | Outcome 3 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 1 |
| | 804020302 North Fork Saline | High | 23.07 | Moderate | Low | High | Low | | Outcome 1 |
| | 1111010503 Middle Poteau | Moderate | 41.27 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 1114010801 Twomile | Moderate | 40.16 | Moderate | Moderate | Moderate | Low | | Outcome 1 |
| | 804020301 Alum Fork | Moderate | 30.03 | Moderate | Low | Moderate | Low | | Outcome 1 |
| Ouachita Creekshell (<i>Villosa arkansasensis</i>) | 804020301 Alum Fork | Critical | 30.03 | Moderate | Low | Moderate | Low | Low | Outcome 1 |
| | 804020302 North Fork Saline | Critical | 23.07 | Moderate | Low | High | Low | | Outcome 1 |
| | 804020303 Middle Fork Saline | Critical | 12.17 | High | Moderate | High | Low | | Outcome 1 |
| | 1111020602 Gafford Creek | High | 63.52 | Low | High | Low | Low | | Outcome 1 |
| | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | | Outcome 1 |
| | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | | Outcome 3 |
| | 804010102 Kates Creek | High | 44.79 | Low | Moderate | Moderate | Low | | Outcome 1 |
| | 804010103 Muddy Fiddler | High | 72.54 | Moderate | Moderate | Low | Low | | Outcome 1 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 1 |

| | | | | | | | | | |
|---|-----------------------------------|----------|-------|----------|----------|----------|----------|-----|-----------|
| Ouachita Creekshell (<i>Villosa arkansasensis</i>) continued | 1111010503 Middle Poteau | Moderate | 41.29 | Moderate | High | Moderate | Low | | Outcome 1 |
| | 1111020601 Cedar Creek | Moderate | 80.49 | Low | Low | Low | Low | | Outcome 1 |
| | 1114010501 Kiamichi Headwaters | Moderate | 49.83 | Low | Low | Low | Low | | Outcome 1 |
| | 1114010801 Twomile | Moderate | 40.16 | Moderate | Moderate | Moderate | Low | | Outcome 1 |
| | 1114010804 Beech | Moderate | 15.31 | Low | Low | Moderate | Low | | Outcome 1 |
| | 1114010805 Broken Bow Lake | Moderate | 29.32 | Low | Moderate | Low | Low | | Outcome 1 |
| | 804010101 Irons Fork | Moderate | 37.90 | Moderate | High | High | Low | | Outcome 1 |
| | 804010206 Carney Creek | Moderate | 14.79 | Moderate | Moderate | Moderate | Low | | Outcome 1 |
| Rainbow (<i>Villosa iris</i>) | 1114010501 Kiamichi Headwaters | High | 49.83 | Low | Low | Low | Low | Low | Outcome 1 |
| | 1114010704 Glover | High | 16.82 | Low | Low | Moderate | Low | | Outcome 1 |
| | 1114010705 Lower Little River | High | 1.91 | Moderate | Moderate | High | Moderate | | Outcome 3 |
| | 1114010804 Beech | High | 15.31 | Low | Low | Moderate | Low | | Outcome 1 |
| | 1114010805 Broken Bow Lake | High | 29.32 | Low | Moderate | Low | Low | | Outcome 1 |
| | 804010104 South Fork Ouachita | High | 66.43 | Moderate | High | Moderate | Low | | Outcome 1 |

Table E.2 Ouachita National Forest Terrestrial Communities and Habitat Elements with an Associated Species List (Weighted Viability Scores reflect Current SVE Score and Condition).

Conservation Target Name: Caves, Mines & Karst Habitat

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 4 - Very Good

| | | | |
|------------------------------|--------------------------|---------|----------|
| <i>Lirceus bicuspidatus</i> | An Isopod | | |
| Weighted Viability Score: | 2.9 - Good | Weight: | Optimal |
| <i>Myotis austroriparius</i> | Southeastern Myotis | | |
| Weighted Viability Score: | 3.36 - Very Good | Weight: | Obligate |
| <i>Myotis leibii</i> | Eastern Small-Footed Bat | | |
| Weighted Viability Score: | 3.31 - Very Good | Weight: | Obligate |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Obligate |

Conservation Target Name: Central Interior Acidic Cliff and Talus

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 2 - Fair

| | | | |
|-------------------------------|-------------------------|---------|----------|
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Stenotrema pilsbryi</i> | Rich Mountain Slitmouth | | |
| Weighted Viability Score: | 2 - Fair | Weight: | Obligate |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Central Interior Highlands Dry Acidic Glade and Barrens

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 1.33 – Poor

| | | | |
|--|---------------------------------|---------|----------|
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Carex latebracteata</i> | Waterfall's Sedge | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Draba aprica</i> | Open-ground Whitlow-grass | | |
| Weighted Viability Score: | 2 – Fair | Weight: | Obligate |
| <i>Eleocharis wolfii</i> | Wolf Spikerush | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Obligate |
| <i>Eriocaulon kornickianum</i> | Small-headed Pipewort | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Obligate |
| <i>Helianthus occidentalis</i> ssp <i>plantagineus</i> | Shinners' Sunflower | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Quercus acerifolia</i> | Maple-leaved Oak | | |
| Weighted Viability Score: | 2 - Fair | Weight: | Suitable |
| <i>Valerianella nuttallii</i> | Nuttall's Corn-Salad | | |
| Weighted Viability Score: | 2 - Fair | Weight: | Obligate |
| <i>Valerianella palmeri</i> | A Corn-Salad | | |
| Weighted Viability Score: | 2.62 - Good | Weight: | Optimal |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Crotaphytus collaris</i> | Collared Lizard | | |
| Weighted Viability Score: | 2 – Fair | Weight: | Optimal |

| | | | |
|---------------------------|--------------------|---------|----------|
| <i>Eumeces obsoletus</i> | Great Plains Skink | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Forested-Bottomland Hardwood Guild Habitat

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 1.8 - Fair

| | | | |
|-----------------------------------|-----------------------|---------|----------|
| <i>Hyla avivoca</i> | Bird-voiced Tree Frog | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Caprimulgus vociferus</i> | Whip-poor-will | | |
| Weighted Viability Score: | 2.48 - Fair | Weight: | Marginal |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Optimal |
| <i>Dendroica cerulea</i> | Cerulean Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Empidonax virescens</i> | Acadian Flycatcher | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Icterus spurius</i> | Orchard Oriole | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |

| | | | |
|-------------------------------|-----------------------|---------|----------|
| Weighted Viability Score: | 2.52 - Good | Weight: | Optimal |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Protonotaria citrea</i> | Prothonotary Warbler | | |
| Weighted Viability Score: | 2.88 - Good | Weight: | Optimal |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Forested-Dense or Semi-open Pine Guild Habitat

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 2.18 - Fair

| | | | |
|---------------------------------|---------------------|---------|----------|
| <i>Aimophila aestivalis</i> | Bachman's Sparrow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Suitable |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

| | | | |
|---------------------------------|-----------------------|---------|----------|
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Helmitheros vermivorus</i> | Worm-eating Warbler | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Sitta pusilla</i> | Brown-headed Nuthatch | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Marginal |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Forested-Dry Upland Hardwood & Hardwood/Pine Guild Habitat

Umbrella Status: Covered by Habitat Conservation Target
Weighted Viability Score 2.15 - Fair

| | | | |
|---------------------------------|--------------------|---------|---------|
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |

| | | | |
|-------------------------------|---------------------|---------|----------|
| <i>Caprimulgus vociferus</i> | Whip-poor-will | | |
| Weighted Viability Score: | 2.48 - Fair | Weight: | Optimal |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Suitable |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Suitable |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Helmitheros vermivorus</i> | Worm-eating Warbler | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Grass/Forb Guild Habitat

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 1.56 - Poor

| | | | |
|----------------------------|-------------------|---------|----------|
| <i>Colinus virginianus</i> | Northern Bobwhite | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Obligate |
| <i>Falco sparverius</i> | American Kestrel | | |

| | | | |
|--|---------------------------------|---------|----------|
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Nicrophorus americanus</i> | American Burying Beetle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Streptanthus squamiformis</i> | A Twistflower | | |
| Weighted Viability Score: | 2.21 - Fair | Weight: | Obligate |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces obsoletus</i> | Great Plains Skink | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces septentrionalis obtusirostris</i> | Southern Prairie Skink | | |
| Weighted Viability Score: | 2.29 - Fair | Weight: | Optimal |

Conservation Target Name: Large Diameter Hollow Trees

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 4 - Very Good

| | | | |
|---------------------------|---------------------|---------|----------|
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Obligate |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |

| | | | |
|--------------------------------------|---------------------------------|---------|----------|
| <i>Colinus virginianus</i> | Northern Bobwhite | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Icterus spurius</i> | Orchard Oriole | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Optimal |
| <i>Passerina ciris</i> | Painted Bunting | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Suitable |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Thryomanes bewickii</i> | Bewick's Wren | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Suitable |
| <i>Callirhoe bushii</i> | Bush's Poppymallow | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Suitable |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |

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| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |

Conservation Target Name: Ouachita Dry Oak Woodland

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 1.17 - Poor

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| <i>Aimophila aestivalis</i> | Bachman's Sparrow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Caprimulgus vociferus</i> | Whip-poor-will | | |
| Weighted Viability Score: | 2.48 - Fair | Weight: | Suitable |
| <i>Colinus virginianus</i> | Northern Bobwhite | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Optimal |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Thryomanes bewickii</i> | Bewick's Wren | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Nicrophorus americanus</i> | American Burying Beetle | | |

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| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Myotis leibii</i> | Eastern Small-Footed Bat | | |
| Weighted Viability Score: | 3.31 - Very Good | Weight: | Suitable |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Suitable |
| <i>Callirhoe bushii</i> | Bush's Poppymallow | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Suitable |
| <i>Castanea pumila var ozarkensis</i> | Ozark Chinquapin | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Trillium pusillum var ozarkanum</i> | Ozark Least Trillium | | |
| Weighted Viability Score: | 2.47 - Fair | Weight: | Marginal |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Marginal |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces obsoletus</i> | Great Plains Skink | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces septentrionalis obtusirostris</i> | Southern Prairie Skink | | |
| Weighted Viability Score: | 2.29 - Fair | Weight: | Optimal |

Conservation Target Name: **Ouachita Dry-Mesic Oak Forest**
 Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score: 1.64 - Poor

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| <i>Ambystoma talpoideum</i> | Mole Salamander | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |

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| <i>Plethodon caddoensis</i> | Caddo Mountain Salamander |
| Weighted Viability Score: | 2.59 - Good Weight: Suitable |
| <i>Plethodon fourchensis</i> | Fourche Mountain Salamander |
| Weighted Viability Score: | 2.59 - Good Weight: Suitable |
| <i>Plethodon kiamichi</i> | Kiamichi Mountain Salamander |
| Weighted Viability Score: | 2.59 - Good Weight: Suitable |
| <i>Plethodon sequoyah</i> | Sequoyah Slimy Salamander |
| Weighted Viability Score: | 2.59 - Good Weight: Suitable |
| <i>Plethodon serratus</i> | Southern Redback Salamander |
| Weighted Viability Score: | 2.5 - Fair Weight: Optimal |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |
| <i>Caprimulgus vociferus</i> | Whip-poor-will |
| Weighted Viability Score: | 2.48 - Fair Weight: Suitable |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker |
| Weighted Viability Score: | 2.5 - Fair Weight: Optimal |
| <i>Helmitheros vermivorus</i> | Worm-eating Warbler |
| Weighted Viability Score: | 2.59 - Good Weight: Suitable |
| <i>Hylocichla mustelina</i> | Wood Thrush |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey |
| Weighted Viability Score: | 2.52 - Good Weight: Suitable |
| <i>Oporornis formosus</i> | Kentucky Warbler |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |
| <i>Piranga olivacea</i> | Scarlet Tanager |
| Weighted Viability Score: | 2.5 - Fair Weight: Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |

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|---|-------------------------|---------|----------|
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Nicrophorus americanus</i> | American Burying Beetle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Suitable |
| <i>Castanea pumila</i> var <i>ozarkensis</i> | Ozark Chinquapin | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Solidago ouachitensis</i> | A Goldenrod | | |
| Weighted Viability Score: | 2.53 - Good | Weight: | Suitable |
| <i>Streptanthus squamiformis</i> | A Twistflower | | |
| Weighted Viability Score: | 2.21 - Fair | Weight: | Suitable |
| <i>Trillium pusillum</i> var <i>ozarkanum</i> | Ozark Least Trillium | | |
| Weighted Viability Score: | 2.47 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces obsoletus</i> | Great Plains Skink | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces septentrionalis obtusirostris</i> | Southern Prairie Skink | | |
| Weighted Viability Score: | 2.29 - Fair | Weight: | Suitable |

Conservation Target Name: **Ouachita Mesic Hardwood Forest and Guild Habitat**
Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score

2.5 - Fair

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|---------------------------------|------------------------------|---------|----------|
| <i>Ambystoma annulatum</i> | Ringed Salamander | | |
| Weighted Viability Score: | 2.94 - Good | Weight: | Optimal |
| <i>Ambystoma talpoideum</i> | Mole Salamander | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Optimal |
| <i>Hemidactylium scutatum</i> | Four-toed Salamander | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Marginal |
| <i>Plethodon caddoensis</i> | Caddo Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Plethodon fourchensis</i> | Fourche Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Plethodon kiamichi</i> | Kiamichi Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Plethodon ouachitae</i> | Rich Mountain Salamander | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Plethodon sequoyah</i> | Sequoyah Slimy Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Plethodon serratus</i> | Southern Redback Salamander | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Caprimulgus vociferus</i> | Whip-poor-will | | |
| Weighted Viability Score: | 2.48 - Fair | Weight: | Optimal |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Suitable |
| <i>Dendroica cerulea</i> | Cerulean Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dendroica discolor</i> | Prairie Warbler | | |

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|--------------------------------|--------------------------|---------|----------|
| Weighted Viability Score: | 2.31 - Fair | Weight: | Suitable |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Empidonax vireescens</i> | Acadian Flycatcher | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Helmitheros vermivorus</i> | Worm-eating Warbler | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Suitable |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Nicrophorus americanus</i> | American Burying Beetle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Stenotrema unciferum</i> | Ouachita Slitmouth | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Obligate |
| <i>Myotis leibii</i> | Eastern Small-Footed Bat | | |

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|---|----------------------|---------|----------|
| Weighted Viability Score: | 3.31 - Very Good | Weight: | Suitable |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Marginal |
| <i>Amorpha ouachitensis</i> | Ouachita Leadplant | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Marginal |
| <i>Carex latebracteata</i> | Waterfall's Sedge | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Castanea pumila</i> var <i>ozarkensis</i> | Ozark Chinquapin | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Delphinium newtonianum</i> | Moore's Larkspur | | |
| Weighted Viability Score: | 3.08 - Good | Weight: | Optimal |
| <i>Houstonia ouachitana</i> | Ouachita Bluet | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Suitable |
| <i>Hydrophyllum brownei</i> | Browne's Waterleaf | | |
| Weighted Viability Score: | 2.58 - Good | Weight: | Suitable |
| <i>Juglans cinerea</i> | Butternut | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Suitable |
| <i>Solidago ouachitensis</i> | A Goldenrod | | |
| Weighted Viability Score: | 2.53 - Good | Weight: | Optimal |
| <i>Tradescantia ozarkana</i> | Ozark Spiderwort | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Trillium pusillum</i> var <i>ozarkanum</i> | Ozark Least Trillium | | |
| Weighted Viability Score: | 2.47 - Fair | Weight: | Optimal |
| <i>Valerianella palmeri</i> | A Corn-Salad | | |

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| Weighted Viability Score: | 2.62 - Good | Weight: | Marginal |
| <i>Verbesina walteri</i> | Rayless Crown-Beard | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Marginal |

Conservation Target Name: Ouachita Montane Oak Forest

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 2 - Fair

| | | | |
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| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Ouachita Mountain Forested Seep

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 2.5 - Fair

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| <i>Ambystoma annulatum</i> | Ringed Salamander | | |
| Weighted Viability Score: | 2.94 - Good | Weight: | Suitable |
| <i>Ambystoma talpoideum</i> | Mole Salamander | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |
| <i>Desmognathus brimeylorum</i> | Ouachita Dusky Salamander | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Eurycea multiplicata multiplicata</i> | Many-ribbed Salamander | | |

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| Weighted Viability Score: | 3.1 - Good | Weight: | Suitable |
| <i>Hemidactylium scutatum</i> | Four-toed Salamander | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Obligate |
| <i>Plethodon ouachitae</i> | Rich Mountain Salamander | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Plethodon sequoyah</i> | Sequoyah Slimy Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Lirceus bicuspidatus</i> | An Isopod | | |
| Weighted Viability Score: | 2.9 - Good | Weight: | Optimal |
| <i>Cypripedium kentuckiense</i> | Southern Lady's-Slipper | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dryopteris x australis</i> | Dryopteris | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Parnassia grandifolia</i> | Large-leaved Grass-of-Parnassus | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Obligate |
| <i>Valerianella palmeri</i> | A Corn-Salad | | |
| Weighted Viability Score: | 2.62 - Good | Weight: | Suitable |

Conservation Target Name: Ouachita Novaculite Glade and Woodland

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 2.5 - Fair

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|-------------------------------|-------------------|---------|----------|
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Carex latebracteata</i> | Waterfall's Sedge | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |

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| <i>Polymnia cossatotensis</i> | Heartleaf Leafcup | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Obligate |
| <i>Streptanthus squamiformis</i> | A Twistflower | | |
| Weighted Viability Score: | 2.21 - Fair | Weight: | Optimal |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Ouachita Pine/Bluestem Woodland and Guild Habitat

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 2.61 - Good

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|-----------------------------------|-------------------------|---------|----------|
| <i>Aimophila aestivalis</i> | Bachman's Sparrow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Optimal |
| <i>Picoides borealis</i> | Red-cockaded Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Sitta pusilla</i> | Brown-headed Nuthatch | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Obligate |
| <i>Nicrophorus americanus</i> | American Burying Beetle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Speyeria diana</i> | Diana | | |

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|--|---------------------------------|---------|----------|
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Eumeces obsoletus</i> | Great Plains Skink | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces septentrionalis obtusirostris</i> | Southern Prairie Skink | | |
| Weighted Viability Score: | 2.29 - Fair | Weight: | Suitable |

Conservation Target Name: Ouachita Pine-Oak Forest

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 2.06 - Fair

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|---------------------------------|------------------------------|---------|----------|
| <i>Ambystoma talpoideum</i> | Mole Salamander | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |
| <i>Plethodon caddoensis</i> | Caddo Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon fourchensis</i> | Fourche Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon kiamichi</i> | Kiamichi Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon sequoyah</i> | Sequoyah Slimy Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon serratus</i> | Southern Redback Salamander | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Aimophila aestivalis</i> | Bachman's Sparrow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |

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|-----------------------------------|-----------------------|---------|----------|
| <i>Caprimulgus vociferus</i> | Whip-poor-will | | |
| Weighted Viability Score: | 2.48 - Fair | Weight: | Optimal |
| <i>Colinus virginianus</i> | Northern Bobwhite | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Helmitheros vermivorus</i> | Worm-eating Warbler | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Sitta pusilla</i> | Brown-headed Nuthatch | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Thryomanes bewickii</i> | Bewick's Wren | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

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| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Nicrophorus americanus</i> | American Burying Beetle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Spilogale putorius interrupta</i> | Plains Spotted Skunk | | |
| Weighted Viability Score: | 2.55 - Good | Weight: | Suitable |
| <i>Amorpha ouachitensis</i> | Ouachita Leadplant | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Marginal |
| <i>Carex latebracteata</i> | Waterfall's Sedge | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Castanea pumila var ozarkensis</i> | Ozark Chinquapin | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Helianthus occidentalis ssp plantagineus</i> | Shinners' Sunflower | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces septentrionalis obtusirostris</i> | Southern Prairie Skink | | |
| Weighted Viability Score: | 2.29 - Fair | Weight: | Marginal |

Conservation Target Name: Ouachita Pine-Oak Woodland

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 2.11 - Fair

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|-----------------------------|---------------------|---------|---------|
| <i>Aimophila aestivalis</i> | Bachman's Sparrow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |

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| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Optimal |
| <i>Picoides borealis</i> | Red-cockaded Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Piranga olivacea</i> | Scarlet Tanager | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Eumeces obsoletus</i> | Great Plains Skink | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Eumeces septentrionalis obtusirostris</i> | Southern Prairie Skink | | |
| Weighted Viability Score: | 2.29 - Fair | Weight: | Suitable |

Conservation Target Name: Ouachita Ponds, Lakes and Water Holes

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 4 - Very Good

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|---------------------------------------|------------------------|---------|----------|
| <i>Ambystoma annulatum</i> | Ringed Salamander | | |
| Weighted Viability Score: | 2.94 - Good | Weight: | Obligate |
| <i>Ambystoma talpoideum</i> | Mole Salamander | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Obligate |
| <i>Hyla avivoca</i> | Bird-voiced Tree Frog | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Pseudacris streckeri streckeri</i> | Strecker's Chorus Frog | | |
| Weighted Viability Score: | 3.42 - Very Good | Weight: | Optimal |

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|---------------------------------|--------------------------|---------|---------|
| <i>Rana areolata circumlosa</i> | Northern Crawfish Frog | | |
| Weighted Viability Score: | 3.48 - Very Good | Weight: | Optimal |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Myotis austroriparius</i> | Southeastern Myotis | | |
| Weighted Viability Score: | 3.36 - Very Good | Weight: | Optimal |
| <i>Myotis leibii</i> | Eastern Small-Footed Bat | | |
| Weighted Viability Score: | 3.31 - Very Good | Weight: | Optimal |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Optimal |

Conservation Target Name: **Ouachita Riparian**
 Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 2.5 - Fair

| | | | |
|------------------------------|------------------------------|---------|----------|
| <i>Ambystoma annulatum</i> | Ringed Salamander | | |
| Weighted Viability Score: | 2.94 - Good | Weight: | Suitable |
| <i>Ambystoma talpoideum</i> | Mole Salamander | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |
| <i>Plethodon caddoensis</i> | Caddo Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon fourchensis</i> | Fourche Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon kiamichi</i> | Kiamichi Mountain Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Plethodon ouachitae</i> | Rich Mountain Salamander | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Plethodon sequoyah</i> | Sequoyah Slimy Salamander | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Suitable |
| <i>Plethodon serratus</i> | Southern Redback Salamander | | |

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|---------------------------------------|------------------------|---------|----------|
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Pseudacris streckeri streckeri</i> | Strecker's Chorus Frog | | |
| Weighted Viability Score: | 3.42 - Very Good | Weight: | Suitable |
| <i>Rana areolata circulosa</i> | Northern Crawfish Frog | | |
| Weighted Viability Score: | 3.48 - Very Good | Weight: | Marginal |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Suitable |
| <i>Dendroica cerulea</i> | Cerulean Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Empidonax virescens</i> | Acadian Flycatcher | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Helmitheros vermivorus</i> | Worm-eating Warbler | | |
| Weighted Viability Score: | 2.59 - Good | Weight: | Optimal |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Passerina ciris</i> | Painted Bunting | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Suitable |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | | |

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| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Speyeria diana</i> | Diana | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Myotis austroriparius</i> | Southeastern Myotis | | |
| Weighted Viability Score: | 3.36 - Very Good | Weight: | Suitable |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Amorpha ouachitensis</i> | Ouachita Leadplant | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Carex latebracteata</i> | Waterfall's Sedge | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Marginal |
| <i>Cypripedium kentuckiense</i> | Southern Lady's-Slipper | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Delphinium newtonianum</i> | Moore's Larkspur | | |
| Weighted Viability Score: | 3.08 - Good | Weight: | Optimal |
| <i>Dryopteris x australis</i> | Dryopteris | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Houstonia ouachitana</i> | Ouachita Bluet | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Suitable |
| <i>Hydrophyllum brownei</i> | Browne's Waterleaf | | |
| Weighted Viability Score: | 2.58 - Good | Weight: | Optimal |
| <i>Juglans cinerea</i> | Butternut | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Suitable |
| <i>Tradescantia ozarkana</i> | Ozark Spiderwort | | |

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| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Trillium pusillum</i> var <i>ozarkanum</i> | Ozark Least Trillium | | |
| Weighted Viability Score: | 2.47 - Fair | Weight: | Optimal |
| <i>Valerianella palmeri</i> | A Corn-Salad | | |
| Weighted Viability Score: | 2.62 - Good | Weight: | Optimal |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Ouachita Rivers and Streams

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 3.5 - Very Good

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| <i>Desmognathus brimeylorum</i> | Ouachita Dusky Salamander | | |
| Weighted Viability Score: | 2.67 - Good | Weight: | Optimal |
| <i>Eurycea multiplicata multiplicata</i> | Many-ribbed Salamander | | |
| Weighted Viability Score: | 3.1 - Good | Weight: | Optimal |
| <i>Hyla avivoca</i> | Bird-voiced Tree Frog | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Lirceus bicuspidatus</i> | An Isopod | | |
| Weighted Viability Score: | 2.9 - Good | Weight: | Suitable |
| <i>Myotis austroriparius</i> | Southeastern Myotis | | |
| Weighted Viability Score: | 3.36 - Very Good | Weight: | Optimal |
| <i>Myotis leibii</i> | Eastern Small-Footed Bat | | |
| Weighted Viability Score: | 3.31 - Very Good | Weight: | Optimal |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Optimal |
| <i>Calamovilfa arcuata</i> | A Sandgrass | | |
| Weighted Viability Score: | 3.5 - Very Good | Weight: | Obligate |

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| <i>Helianthus occidentalis</i> ssp <i>plantagineus</i> | Shinners' Sunflower |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |
| <i>Vernonia lettermannii</i> | Narrowleaf Ironweed |
| Weighted Viability Score: | 3.5 - Very Good Weight: Obligate |
| <i>Vitis rupestris</i> | Sand Grape |
| Weighted Viability Score: | 3.5 - Very Good Weight: Obligate |
| <i>Sternotherus carinatus</i> | Razorback Musk Turtle |
| Weighted Viability Score: | 3.5 - Very Good Weight: Obligate |

Conservation Target Name: Shrubland Guild Habitat

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 2.07 - Fair

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| <i>Colinus virginianus</i> | Northern Bobwhite |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |
| <i>Dendroica discolor</i> | Prairie Warbler |
| Weighted Viability Score: | 2.31 - Fair Weight: Optimal |
| <i>Falco sparverius</i> | American Kestrel |
| Weighted Viability Score: | 2.75 - Good Weight: Optimal |
| <i>Icterus spurius</i> | Orchard Oriole |
| Weighted Viability Score: | 2.5 - Fair Weight: Optimal |
| <i>Passerina ciris</i> | Painted Bunting |
| Weighted Viability Score: | 2.56 - Good Weight: Optimal |
| <i>Thryomanes bewickii</i> | Bewick's Wren |
| Weighted Viability Score: | 2.5 - Fair Weight: Suitable |
| <i>Vireo griseus</i> | White-eyed Vireo |
| Weighted Viability Score: | 2.5 - Fair Weight: Optimal |
| <i>Nicrophorus americanus</i> | American Burying Beetle |
| Weighted Viability Score: | 2.75 - Good Weight: Suitable |
| <i>Speyeria diana</i> | Diana |

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| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake | | |
| Weighted Viability Score: | 2.4 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Snags

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 4 - Very Good

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|-----------------------------------|----------------------------|---------|----------|
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Obligate |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Obligate |
| <i>Protonotaria citrea</i> | Prothonotary Warbler | | |
| Weighted Viability Score: | 2.88 - Good | Weight: | Obligate |
| <i>Sitta pusilla</i> | Brown-headed Nuthatch | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Obligate |
| <i>Corynorhinus rafinesquii</i> | Rafinesque's Big-Eared Bat | | |
| Weighted Viability Score: | 4 - Very Good | Weight: | Suitable |
| <i>Myotis austroriparius</i> | Southeastern Myotis | | |
| Weighted Viability Score: | 3.36 - Very Good | Weight: | Optimal |
| <i>Myotis sodalis</i> | Indiana Bat | | |
| Weighted Viability Score: | 2.86 - Good | Weight: | Obligate |

Conservation Target Name: South-Central Interior Large Floodplain

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score

4 - Very Good

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|-----------------------------------|-----------------------|---------|----------|
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Optimal |
| <i>Dendroica cerulea</i> | Cerulean Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Empidonax virescens</i> | Acadian Flycatcher | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Suitable |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Passerina cirris</i> | Painted Bunting | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Protonotaria citrea</i> | Prothonotary Warbler | | |
| Weighted Viability Score: | 2.88 - Good | Weight: | Optimal |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |

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|---------------------------------|----------------------------|---------|----------|
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Corynorhinus rafinesquii</i> | Rafinesque's Big-Eared Bat | | |
| Weighted Viability Score: | 4 - Very Good | Weight: | Suitable |
| <i>Myotis austroriparius</i> | Southeastern Myotis | | |
| Weighted Viability Score: | 3.36 - Very Good | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: Southern Arkansas Calcareous Prairie

Umbrella Status: Covered by Habitat Conservation Target

Weighted Viability Score 3.33 - Very Good

| | | | |
|---------------------------------|-----------------------|---------|----------|
| <i>Aimophila aestivalis</i> | Bachman's Sparrow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Colinus virginianus</i> | Northern Bobwhite | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Dendroica discolor</i> | Prairie Warbler | | |
| Weighted Viability Score: | 2.31 - Fair | Weight: | Optimal |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Passerina ciris</i> | Painted Bunting | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Leavenworthia aurea</i> | Golden Glade Cress | | |
| Weighted Viability Score: | 3.5 - Very Good | Weight: | Obligate |
| <i>Lesquerella angustifolia</i> | Threadleaf Bladderpod | | |
| Weighted Viability Score: | 3.5 - Very Good | Weight: | Optimal |
| <i>Thalictrum arkansanum</i> | Arkansas Meadow-Rue | | |
| Weighted Viability Score: | 3.5 - Very Good | Weight: | Obligate |

Conservation Target Name: West Gulf Coastal Plain Pine-Hardwood Forest (Flatwoods)

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 1.92 - Fair

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| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Conservation Target Name: West Gulf Coastal Plain Small Stream/River Forest

Umbrella Status: Covered by Habitat Conservation Target
 Weighted Viability Score 3 - Good

| | | | |
|---------------------------------|-----------------------|---------|----------|
| <i>Hyla avivoca</i> | Bird-voiced Tree Frog | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Optimal |
| <i>Dryocopus pileatus</i> | Pileated Woodpecker | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Empidonax virescens</i> | Acadian Flycatcher | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Optimal |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |

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| <i>Melanerpes erythrocephalus</i> | Red-headed Woodpecker | | |
| Weighted Viability Score: | 2.82 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Suitable |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Passerina ciris</i> | Painted Bunting | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Protonotaria citrea</i> | Prothonotary Warbler | | |
| Weighted Viability Score: | 2.88 - Good | Weight: | Optimal |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Odocoileus virginianus</i> | White-tailed deer | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Nerodia cyclopion cyclopion</i> | Mississippi Green Water Snake | | |
| Weighted Viability Score: | 3 - Good | Weight: | Optimal |

Conservation Target Name: West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough, OK)

Umbrella Status: Covered by Habitat Conservation Target
Weighted Viability Score: 3 -Good

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|---------------------------------|--------------------|---------|----------|
| <i>Caprimulgus carolinensis</i> | Chuck-will's-widow | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Chaetura pelagica</i> | Chimney Swift | | |
| Weighted Viability Score: | 2.71 - Good | Weight: | Suitable |
| <i>Empidonax virescens</i> | Acadian Flycatcher | | |

| | | | |
|---------------------------------|-----------------------|---------|----------|
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Falco sparverius</i> | American Kestrel | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Haliaeetus leucocephalus</i> | Bald Eagle | | |
| Weighted Viability Score: | 2.75 - Good | Weight: | Suitable |
| <i>Hylocichla mustelina</i> | Wood Thrush | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Icterus spurius</i> | Orchard Oriole | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Limnothlypis swainsonii</i> | Swainson's Warbler | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Meleagris gallopavo</i> | Wild Turkey | | |
| Weighted Viability Score: | 2.52 - Good | Weight: | Marginal |
| <i>Oporornis formosus</i> | Kentucky Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Passerina ciris</i> | Painted Bunting | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Protonotaria citrea</i> | Prothonotary Warbler | | |
| Weighted Viability Score: | 2.88 - Good | Weight: | Optimal |
| <i>Vireo flavifrons</i> | Yellow-throated Vireo | | |
| Weighted Viability Score: | 2.56 - Good | Weight: | Optimal |
| <i>Vireo griseus</i> | White-eyed Vireo | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Optimal |
| <i>Wilsonia citrina</i> | Hooded Warbler | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |
| <i>Crotalus horridus</i> | Timber Rattlesnake | | |
| Weighted Viability Score: | 2.5 - Fair | Weight: | Suitable |

Table E.3 Ouachita National Forest Terrestrial Species of Viability Concern with Associated Communities and/or Habitat Elements (Associated Conservation Targets) and Weighted Viability Scores* and Conditions

* Weighted viability scores are a weighted average of all Indicators associated with each Species, Conservation Target, and Key Factor. Key Factors/Indicators for ecosystem-level Conservation Targets are used to quantify overall ecological health, but may not directly address individual species requirements. Carefully note the relevance of all indicators that relate back to Species, Conservation Targets, and Key Factors.

The current condition and rank of each Associated Conservation Target are shown in Table E.4.

| Taxa: Amphibian | | |
|---|--|--|
| Ambystoma annulatum | | Ringed Salamander |
| Weighted Viability Score*: 2.94 – Good | | S Rank: S4/- (AR/OK) G Rank: G4 |
| Comments: Ouachita population possibly in decline since 1999, cause is uncertain but may be drought related (ANHI 2003, Anderson, J.D. 1965, Anderson, P. 1965, Black and Dellinger 1938, Brussock and Brown 1982, Briggler 1998, Conant and Collins 1991, Cope 1886, Cope 1887, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dowling 1956, Hurter and Strecker 1909, Hutcherson and others 1989, Johnson 1977, McAllister and others 1995d, McDaniel 1975, McDaniel and Saugey 1977, Noble and Marshall 1929, Nyman and others 1993, Peterson and others 1992, Petranka 1998, Reagan 1974a, Reagan 1974a, Schmidt 1953, Spotila and Beumer 1970, Stejneger and Barbour 1917, Strecker 1924, Taylor 1935, Tihen 1958, Trapp 1956, 1957, Trapp 1959, Trauth 1980b, Trauth 2000, Trauth and others 1989b, 2004, Trauth and Cartwright 1989, Turnipseed and Gallagher 1991, USDA FS 1999, Wilson 1995). | | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat | |
| | Ouachita Mountain Forested Seep | |
| | Ouachita Ponds, Lakes and Water Holes | |
| | Ouachita Riparian | |
| Ambystoma talpoideum | | Mole Salamander |
| Weighted Viability Score*: 2.86 – Good | | S Rank: S3/- (AR/OK) G Rank: G5 |
| Comments: Appears to be more common and widespread than early surveys indicated. Found to occur along the southeastern edge of the Ouachita in lowland mesic areas (ANHI 2003, Bishop 1943, Boyd and Vickers 1963, Carr and Goin 1943, Conant and Collins 1991, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dundee and Rossman 1989, Hardy and Raymond 1980, McAllister and Trauth 1996a, Meshaka and McLarty 1988, Mount 1975, Parker 1947, Patterson 1978, Plummer and Dye 1992, Raymond and Hardy 1990, Raymond and Hardy 1991, Reagan 1974a, Robison and Winters 1978, Semlitsch 1985, Semlitsch 1987a, Semlitsch 1987b, Shoop 1960, Shoop 1964, Smith 1961, Smith and others 1984, Sutton and Paige 1980, Trauth and others 1993a, Trauth and others 1995b, 2004, USDA FS 1999, Wilson 1995). | | |
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | |
| | Ouachita Mountain Forested Seep | |
| | Ouachita Pine-Oak Forest | |
| | Ouachita Ponds, Lakes and Water Holes | |
| | Ouachita Riparian | |
| Desmognathus brimeylorum | | Ouachita Dusky Salamander |
| Weighted Viability Score*: 2.67 - Good | | S Rank: S4/S3 (AR/OK) G Rank: G3/G4 |
| Comments: AR/OK-Endemic to the Ouachita Mtn. Region. Locally abundant. Outstanding taxonomic issues related to range overlap with D. conanti. Ozark NF population occurs only on Mount Magazine (ANHI 2003, Bacon 1976, Black and Dellinger 1938, Burt 1935, Chaney 1949, Conant 1958, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dowling 1957, Fowler and Dunn 1918, Hay 1892, Hurter and Strecker 1909, Jamieson and Trauth 2001, Karlin and others 1993, McAllister 1995b, Means 1974, Means 1999, ONHI 2003, Sever and Trauth 1990, Smith 1960, Stejneger 1894, Strecker 1924, Strecker and Williams 1928, Taylor and others 1990, Taylor 1935, Trauth and others 1990, 2004, Trauth and Wilhide 1999, Trauth 1988a, USDA FS 1999, Verrell 1997, Wilson 1995). | | |
| Associated Conservation Targets | Ouachita Mountain Forested Seep | |
| | Ouachita Rivers and Streams | |
| Eurycea multiplicata multiplicata | | Many-ribbed Salamander |
| Weighted Viability Score*: 3.1 – Good | | S Rank: S4/- (AR/OK) G Rank: G4T4 |
| Comments: Endemic to the Arkansas River Valley and Ouachita and the margins of adjacent ecoregions. Locally abundant. Taxonomic issues outstanding: complex may be divided into two or more species. Known from south side of Mt. Magazine (ANHI 2003, Bishop 1943, Black and Dellinger 1938, Conant and Collins 1998, Cope 1869, Cope 1889, Dowling 1957, Dundee 1958, Dundee 1965a, Dunn 1926, Fowler and Dunn 1918, Hurter and Strecker 1909, Loomis and Webb 1951, Strecker 1924, Trauth and others 2004). | | |
| Associated Conservation Targets | Ouachita Mountain Forested Seep | |
| | Ouachita Rivers and Streams | |

| <i>Hemidactylium scutatum</i> | | Four-toed Salamander | |
|---|---|-------------------------------------|-------------|
| Weighted Viability Score*: 2.55 – Good | | S Rank: S2/- (AR/OK) | G Rank: G5 |
| Comments: Ozark population known from only one specimen outside Forest boundary, more field research required. Locally common in the Ouachitas. Both populations are highly disjunct (ANHI 2003, Bishop 1943, Bleakney and Cook 1957, Carter 1968, Conant and Collins 1998, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dellinger and Black 1938, Dowling 1957, Dundee 1968, Dunn 1926, Harris and Gill 1980, Hurter and Strecker 1909, Hurter and Strecker 1909, Martof 1955, Neill 1963, ONHI 2003, Reagan 1974a, Saugey and Trauth 1991, Smith and others 1984, Strecker 1924, Trauth and Caldwell 1986, Trauth and Cochran 1991, Trauth and others 2004, USDA FS 1999, Wilson 1995, Wood 1955). | | | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Mountain Forested Seep | | |
| <i>Hyla avivoca</i> | | Bird-voiced Tree Frog | |
| Weighted Viability Score*: 2.5 - Fair | | S Rank: S2/- (AR/OK) | G Rank: G5 |
| Comments: Peripheral to the Ouachita NF. Known only from the southern extent along the Ouachita River drainage (ANHI 2003, Conant and Collins 1998, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Davis and Hollenback 1978, Fulmer and Tumlison 2002, Jamieson and others 1993, McAllister and others 1993b, Mount 1975, ONHI 2003, Secor 1988, Smith 1966b, Trauth 1992b, Trauth and others 2004, Trauth and Robinette 1990a, Trauth and Robinette 1990b, Turnipseed 1976, Turnipseed 1980b, USDA FS 1999, Volpe and others 1961, Wilson 1995). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Ouachita Ponds, Lakes and Water Holes | | |
| | Ouachita Rivers and Streams | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| <i>Plethodon caddoensis</i> | | Caddo Mountain Salamander | |
| Weighted Viability Score*: 2.59 – Good | | S Rank: S2/- (AR/OK) | G Rank: G2 |
| Comments: Endemic to the Caddo Mountains with an extremely restricted range. Inhabits seepage areas, dry-mesic shaded valley slopes, and rocky wooded hillsides where it lives under rocks and in rotting logs. Found to occur primarily on north-facing mesic slopes and riparian areas (ANHI 2003, Anthony 1993, Anthony and others 1994, Arnold 1977, Askins 2001, Atwill and Trauth 1988, Baker 1994, Blair and Lindsay 1965, Blair 1957, Conant and Collins 1991, 1998, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, 2003P, Dillinger and Black 1938, Dowling 1956, 1957, Duncan and Highton 1979, Dunn 1926, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Grobman 1944, Guyette and Spetich 2003, Highton 1962, 1997, Highton and Webster 1976, Jurney and others 2001, Larson and Highton 1978, Law and others 1994, Masters 1991, Masters and others 1995, McAllister and others 2002, NatureServe 2003, 2003a, Palmer 1924, Pert 2000, Petranka 1998, Plummer 1982, Pope 1964, Pope and Pope 1951, Reagan 1974a, Robison and Allen 1995, Rudolph 1978, Saugey and others 1985, Smith and others 1984, Sparks and others 1999, Spetich 2004, Spotila 1972, Taylor and others 1990, TNC 2003, Trani and others 2001, Trauth and others 2000, 2004, Trauth and Wilhide 1999, USDA FS 1991, 1997, 1997a, 1999, Wilson 1995, Winter and others 1986). | | | |
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Pine-Oak Forest | | |
| | Ouachita Riparian | | |
| <i>Plethodon fourchensis</i> | | Fourche Mountain Salamander | |
| Weighted Viability Score*: 2.59 – Good | | S Rank: S2/- (AR/OK) | G Rank: G2Q |
| Comments: AR-Endemic to the Fourche and Irons Fork Mountains in the Ouachita NF with a highly restricted range. Uncommon. Extremely difficult to inventory due to reliance on specific precipitation regime. Inhabits dry-mesic shaded valley slopes and rocky wooded hillsides where it lives under rocks and in rotting logs (ANHI 2003, Arnold 1977, Askins 2001, Baker 1994, Blair and Lindsay 1965, Conant and Collins 1991, 1998, Crump 2003, 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, 2003P, Dillinger and Black 1938, Dowling 1957, Duncan and Highton 1979, Dunn 1926, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Grobman 1944, Guyette and Spetich 2003, Highton 1962, 1997, Highton and Webster 1976, Jurney and others 2001, Larson and Highton 1978, Law and others 1994, Lohoefer and Jones 1991, Masters 1991, Masters and others 1995, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Petranka 1998, Plummer 1982, Robison and Allen 1995, Rudolph 1978, Smith and others 1984, Sparks and others 1999, Spetich 2004, Taylor and others 1990, TNC 2003, Trani and others 2001, Trauth and others 2004, Trauth and Wilhide 1999, USDA FS 1991, 1997, 1997a, 1999, Wilson 1995, Winter and others 1986). | | | |
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Pine-Oak Forest | | |
| | Ouachita Riparian | | |
| <i>Plethodon kiamichi</i> | | Kiamichi Mountain Salamander | |
| Weighted Viability Score*: 2.59 – Good | | S Rank: -/S2 (AR/OK) | G Rank: G2Q |
| Comments: Endemic to Cow Creek Mtn. of the Kiamichi system in the Ouachita Mtns. Locally common but very restricted range. Inhabits seepage areas, dry-mesic shaded valley slopes and rocky wooded hillsides where it lives under rocks and in rotting logs (ANHI 2003, Arnold 1977, Askins 2001, Baker 1994, Blair and Lindsay 1965, Conant and Collins 1991, 1998, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, 2003P, Dillinger and Black 1938, Dowling 1957, Duncan and Highton 1979, Dunn 1926, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Grobman 1944, Guyette and Spetich 2003, Highton 1962, 1989, 1997, Highton and Webster 1976, Larson and Highton 1978, Jurney and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, McAllister and others 2002, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Petranka 1998, Robison and Allen 1995, Rudolph 1978, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, Trauth and others 2004, USDA FS 1991, 1997, 1997a, 1999, Wilson 1995, Winter and others 1986). | | | |

| | |
|---|--|
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| <i>Plethodon ouachitae</i> Rich Mountain Salamander | |
| Weighted Viability Score*: 2.67 – Good S Rank: S2/S2 (AR/OK) G Rank: G2G3 | |
| Comments: Endemic to Rich Mtn of the Ouachita Mtn. Ecoregion; extremely restricted range. Inhabits seepage areas, mesic shaded valley slopes and rocky wooded hillsides where it lives under rocks and in rotting logs (ANHI 2003, Anthony 1993, Anthony 1995, Anthony and others 2002, Anthony and Wicknick 1993, Arnold 1977, Askins 2001, Atwill and Trauth 1988, Baker 1994, Black and Dellinger 1938, Blair and Lindsay 1965, Burt 1935, Conant and Collins 1991, 1998, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, 2003P, Dillinger and Black 1938, Dowling 1957, Duncan and Highton 1979, Dunn 1926, Dunn and Heinze 1933, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Grobman 1944, Guyette and Spetich 2003, Highton 1962, 1989, 1997, Highton and Webster 1976, Journey and others 2001, Larson and Highton 1978, Law and others 1994, Masters 1991, Masters and others 1995, McAllister and others 2002, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Petranka 1998, Pope and Pope 1951, Reagan 1974a, Robison and Allen 1995, Rudolph 1978, Sievert 1986, Smith and others 1984, Sparks and others 1999, Spetich 2004, Taylor and others 1990, Thurow 1976, TNC 2003, Trani and others 2001, Trauth and others 2004, Trauth and Wilhide 1999, USDA FS 1991, 1997, 1997a, 1999, Wilson 1995, Winter and others 1986). Population appears to have declined in recent years, possibly related to drier conditions, partially from loss of canopy due to oak borer and recent ice damage. | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Mountain Forested Seep |
| | Ouachita Riparian |
| <i>Plethodon sequoyah</i> Sequoyah Slimy Salamander | |
| Weighted Viability Score*: 2.59 – Good S Rank: -/S2 (AR/OK) G Rank: G2Q | |
| Comments: Endemic with extremely restricted range. Site locality at Beaver's Bend State Park, OK. One specimen known from near Lake DeQueen in AR. Neither site is actually on NF lands; however the OK site is within the Proclamation boundary. This salamander like other plethodontids inhabits seepage areas, dry-mesic shaded valley slopes and rocky wooded hillsides where it lives under rocks and in rotting logs (ANHI 2003, Arnold 1977, Askins 2001, Baker 1994, Black and Sievert 1989, Conant and Collins 1991, 1998, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, 2003P, Dillinger and Black 1938, Dowling 1957, Duncan and Highton 1979, Dunn 1926, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Grobman 1944, Guyette and Spetich 2003, Highton 1962, 1989, 1997, Highton and Webster 1976, Huntington and Stuhlman 1993, Journey and others 2001, Larson and Highton 1978, Law and others 1994, Masters 1991, Masters and others 1995, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Petranka 1998, Robison and Allen 1995, Rudolph 1978, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, Trauth and others 2004, USDA FS 1991, 1997, 1997a, 1999, Winter and others 1986). | |
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Mountain Forested Seep |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| <i>Plethodon serratus</i> Southern Redback Salamander | |
| Weighted Viability Score*: 2.5 – Fair S Rank: S4/- (AR/OK) G Rank: G5 | |
| Comments: AR-Ouachita population disjunct from the MO & southern App. populations. Inhabits seepage areas, dry-mesic shaded valley slopes, and rocky wooded hillsides where it lives under rocks and in rotting logs. Locally abundant (ANHI 2003, Atwill and Trauth 1988, Black and Dellinger 1938, Camp 1988, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dowling 1957, Dunn 1926, Fletcher and others 1992, Herbeck and Semlitsch 2000, Highton and Webster, Johnson 1987, McAllister and others 2002, ONHI 2003, Pope and Pope 1951, Saylor 1966, Smith 1963, Stone 1904, Strecker 1924, Taylor and others 1990, Trauth and others 2004, Trauth and others 1990, 2004, Trauth and Wilhide 1999, USDA FS 1999, Wilson 1995, Winter and others 1986). | |
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| <i>Pseudacris streckeri streckeri</i> Strecker's Chorus Frog | |
| Weighted Viability Score*: 3.42 - Very Good S Rank: S2/- (AR/OK) G Rank: G5T5 | |
| Comments: Not known to occur on the Ouachita NF. Peripheral. Primarily a riparian AR River Valley species in AR in sandy habitat. Also known from a single locality just south of Mena, Polk Co., AR (ANHI 2003, Black and Dellinger 1938, Bragg 1942, Burt 1935, Butterfield and others 1989, Conant and Collins 1998, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dowling 1957, Fesperman 1986, Hurter and Streaker 1909, Parker 1947, Smith 1966a, Taylor 1935, Trauth and others 1990, 2004, Turnipseed and Shepherd 1985, USDA FS 1999, Wilson 1995). | |

| | |
|--|---|
| Associated Conservation Targets | Ouachita Ponds, Lakes and Water Holes |
| | Ouachita Riparian |
| | Seeps with Minimal Woody Vegetation |
| <i>Rana areolata circulososa</i> Northern Crawfish Frog | |
| Weighted Viability Score*: 3.48 - Very Good S Rank: S3/- (AR/OK) G Rank: G4T4 | |
| Comments: Not known to occur on the Ouachita NF. Except for a Scott Co. occurrence near Waldren, AR, this species is primarily associated with wide floodplains systems and marginal uplands associated around the edges of the Ozark and Ouachita ecoregions. (ANHI 2003, Bacon and Anderson 1976, Black and Dellinger 1938, Byrd and Hanebrink 1974, Collins 1974, Conant and Collins 1991, Conant and Collins 1998, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dowling 1957, Johnson 1977, Plummer 1977f, Plummer and White 1992, Taylor 1935, Trauth and others 1990, 2004, USDA FS 1999, Wilson 1995). | |
| Associated Conservation Targets | Ouachita Ponds, Lakes and Water Holes |
| | Ouachita Riparian |
| | Seeps with Minimal Woody Vegetation |
| Taxa: Bird | |
| <i>Aimophila aestivalis</i> Bachman's Sparrow | |
| Weighted Viability Score*: 2.5 – Fair S Rank: S3/S2? (AR/OK) G Rank: G3 | |
| Comments: Common in Shortleaf pine-bluestem restoration areas on the Ouachita National Forest due to the early-regeneration vegetation component; uncommon on the Ozark National Forest (Alterman and Bednarz 2002, ANHC 2003, Annand and Thompson 1977, Askins 2001, 2002, Baery 1927, Baker 1994, Clawson 1982, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Crump and Davis 2003, Bukenhofer and Hedrick 1997, Bukenhofer and others 1994, DeGraff 1991, Dunning 1993, Dunning and others 1995, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Ford and others 2002, Foti and Glenn 1991, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guldin and others 2004, Guyette and Spetich 2003, Haggerty 1988, Hamel 1992, Hardin and Probasco 1983, Hardin and others 1982, Heubschmann and others 2000, Jacobs 2001, James 1971, James and Neal 1986, Jurney and others 2001, Kellner Unpub., King and others 1998, Law and others 1994, Liechty and others 2005, Liu and others 1995, Lochmiller and others 1993, Luckow 2000, Martin and Finch 1995, Masters 1991, Masters and others 1993, 1995, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Probst and Thompson 1996, Robbins and Easterla 1992, Robinson and others 1995, 1999, Rodewald and Smith 1998, Salveter 1994, Smith and others 1984, Sparks 1996, Sparks and others 1999, 2002, Spetich 2004, Thompson 1993, 1995, Thompson and DeGraff 2001, Thompson and Fritzell 1990, Thompson and others 1992 993 1995, 1996, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Forested-Dense or Semi-open Pine Guild Habitat |
| | Oak Woodlands Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Pine-Oak Woodland |
| | Southern Arkansas Calcareous Prairie |
| <i>Caprimulgus carolinensis</i> Chuck-will's-widow | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S4B/- (AR/OK) G Rank: G5 | |
| Comments: Common on the Ouachita NF (Ouachita NF Landbird Point Surveys 1996-2002), Uncommon to locally common on the Ozark-St. Francis NF (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Straight and Cooper 2000, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Forested-Dense or Semi-open Pine Guild Habitat |
| | Forested-Dry Upland Hardwood & Hardwood/Pine Guild |
| | Ouachita Dry Oak Woodland |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| | South-Central Interior Large Floodplain |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |

| <i>Caprimulgus vociferus</i> | | Whip-poor-will | |
|--|---|--------------------------|------------|
| Weighted Viability Score*: 2.48 – Fair | | S Rank: S4B/- (AR/OK) | G Rank: G5 |
| Comments: Common in the Ozark-St. Francis NF, Uncommon to locally common in the Ouachita NF (ANHC 2003, Bent 1989, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Straight and Cooper 2000, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Forested-Dry Upland Hardwood & Hardwood/Pine Guild | | |
| | Ouachita Dry Oak Woodland | | |
| | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Pine-Oak Forest | | |
| <i>Chaetura pelagica</i> | | Chimney Swift | |
| Weighted Viability Score*: 2.71 - Good | | S Rank: -/- (AR/OK) | G Rank: G5 |
| Comments: Settled areas provide optimal habitat, forested areas only provide suitable habitat dependent upon the presence of large diameter hollow trees (ANHC 2003, Cink and Collins 2002, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Forested-Dry Upland Hardwood & Hardwood/Pine Guild | | |
| | Large Diameter Hollow Trees | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Riparian | | |
| | South-Central Interior Large Floodplain | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |
| <i>Colinus virginianus</i> | | Northern Bobwhite | |
| Weighted Viability Score*: 2.5 - Fair | | S Rank: S5/- (AR/OK) | G Rank: G5 |
| | | | |
| Associated Conservation Targets | Grass/Forb Guild Habitat | | |
| | Oak Woodlands Guild Habitat | | |
| | Ouachita Dry Oak Woodland | | |
| | Ouachita Shortleaf Pine-Bluestem Woodland | | |
| | Ouachita Pine-Oak Woodland | | |
| | Shrubland Guild Habitat | | |
| | Southern Arkansas Calcareous Prairie | | |
| <i>Dendroica cerulea</i> | | Cerulean Warbler | |
| Weighted Viability Score*: 2.5 - Fair | | S Rank: S2/S2B (AR/OK) | G Rank: G4 |
| Comments: Ozark-St. Francis and Ouachita: Uncommon. Mature hardwood obligate (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, 2000, Jacobs 2001, James 1971, James and Neal 1986, James and others 2001, Martin and Finch 1995, Probst and Thompson 1996, Robbins and Easterla 1992, Robinson and others 1989, 1995, Rodewald and Smith 1998, Rosenberg and others 2000, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Large Trees near Water | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Riparian | | |
| | South-Central Interior Large Floodplain | | |

| <i>Dendroica discolor</i> | | Prairie Warbler | |
|---|---|---------------------------|------------|
| Weighted Viability Score*: 2.31 - Fair | | S Rank: -/- (AR/OK) | G Rank: G5 |
| Comments: Ozark-St. Francis and Ouachita: Locally common to uncommon (Alterman and others 2002, ANHC 2003, Baerg 1927, Bukenhofer and Hedrick 1997, Bukenhofer and others 1994, Clawson 1982, Crump and Davis 2003, Dickson and others 1983, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Foti and Glenn 1991, Guldin and others 2004, Heubschmann and others 2000, Liechty and others 2005, Lochmiller and others 1993, Luckow 2000, Martin and Finch 1995, Masters and others 1993, Robinson and others 1995, Sparks 1996, Sparks and others 2002, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Dense or Semi-open Pine Guild Habitat | | |
| | Forested-Dry Upland Hardwood & Hardwood/Pine Guild | | |
| | Grass/Forb Guild Habitat | | |
| | Oak Woodlands Guild Habitat | | |
| | Ouachita Dry Oak Woodland | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Shortleaf Pine-Bluestem Woodland | | |
| | Shrubland Guild Habitat | | |
| | Southern Arkansas Calcareous Prairie | | |
| <i>Empidonax virescens</i> | | Acadian Flycatcher | |
| Weighted Viability Score*: 2.5 – Fair | | S Rank: S4B/- (AR/OK) | G Rank: G5 |
| Comments: Still common on the Ozark-St. Francis and Ouachita NF, but declining range wide. Ozark-St. Francis NF is a center of abundance for this species (ANHC 2003, Annand and Thompson 1997, Baerg 1927, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James 1971, James and Neal 1986, Martin and Finch 1995, Pingjun 1994, Probst and Thompson 1996, Robbins and Easterla 1992, Robinson and others 1995, Rodewald and Smith 1998, Smith and Prather 2000, Thompson 1995, Thompson and Fritzell 1990, Thompson and others 1992, 1995, 1996, Wilson 1994, Wilson and others 1995, Whitehead and Taylor 2002). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Riparian | | |
| | South-Central Interior Large Floodplain | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |
| <i>Falco sparverius</i> | | American Kestrel | |
| Weighted Viability Score*: 2.75 - Good | | S Rank: -/- (AR/OK) | G Rank: G5 |
| Comments: Sporadic and uncommon on National Forest lands in AR (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Smallwood and Bird 2002, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Dense or Semi-open Pine Guild Habitat | | |
| | Grass/Forb Guild Habitat | | |
| | Oak Woodlands Guild Habitat | | |
| | Ouachita Dry Oak Woodland | | |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat | | |
| | Ouachita Pine-Oak Forest | | |
| | Shrubland Guild Habitat | | |
| | Snags | | |
| | Southern Arkansas Calcareous Prairie | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |
| <i>Haliaeetus leucocephalus</i> | | Bald Eagle | |
| Weighted Viability Score*: 2.75 - Good | | S Rank: S2B/- (AR/OK) | G Rank: G4 |
| Comments: Breeding: limited to large lakes and rivers in the vicinity of the Ouachita National Forest and the Ozark-St. Francis National Forest. Known Critical Communal Roosts: Brock Creek Watershed, Ozark-St. Francis National Forest (ANHI 2003, Crump and Davis 2003, Duzan and others 2003, 2003A, ONHI 2003). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Forested-Dense or Semi-open Pine Guild Habitat | | |
| | Large Trees near Water | | |
| | Ouachita Pine-Oak Forest | | |
| | Ouachita Ponds, Lakes and Water Holes | | |
| | Ouachita Rivers and Streams | | |
| | South-Central Interior Large Floodplain | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |

| <i>Helmitheros vermivorus</i> | | Worm-eating Warbler | |
|---|---|------------------------------|------------|
| Weighted Viability Score*: 2.59 - Good | | S Rank: S4B/- (AR/OK) | G Rank: G5 |
| Comments: Low breeding density in both Ouachita and Ozark-St. Francis NFs (ANHC 2003, Baerg 1927, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Hanners and Patton 1998, Jacobs 2001, James and Neal 1986, Kellner Unpublished, Martin and Finch 1995, Pingjun 1994, Probst and Thompson 1996, Robbins and Easterla 1992, Robinson and others 1995, Rodewald and Smith 1998, Smith and Prather 2000, Thompson and Fritzell 1990, Thompson and others 1992, Wilson 1994, Wilson and others 1995). In western Arkansas, this species is near the western extent of its range. | | | |
| Associated Conservation Targets | Forested-Dense or Semi-open Pine Guild Habitat | | |
| | Forested-Dry Upland Hardwood & Hardwood/Pine Guild | | |
| | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Pine-Oak Forest | | |
| | Ouachita Riparian | | |
| <i>Hylocichla mustelina</i> | | Wood Thrush | |
| Weighted Viability Score*: 2.5 - Fair | | S Rank: -/- (AR/OK) | G Rank: G5 |
| Comments: Common to uncommon on the Ozark-St. Francis and Ouachita NF. Declining range wide. Needs moist sites with understory & hardwood midstory (Anders and others 1998, ANHC 2003, Annand and Thompson 1997, Artman and Downhower 2003, Baerg 1927, Clawson 1982, Crump and Davis 2003, DeGraaf 1991, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James 1971, James and Neal 1986, Kellner Unpublished, Martin and Finch 1995, Pingjun 1994, Probst and Thompson 1996, Robbins and Easterla 1992, Robinson and others 1995, Roth and others 1996, Salveter 1994, Thompson 1995, Thompson and Fritzell 1990, Thompson and others 1995, 1996, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Forested-Dense or Semi-open Pine Guild Habitat | | |
| | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | Ouachita Riparian | | |
| | South-Central Interior Large Floodplain | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |
| <i>Icterus spurius</i> | | Orchard Oriole | |
| Weighted Viability Score*: 2.5 - Fair | | S Rank: S4B/- (AR/OK) | G Rank: G5 |
| Comments: Uncommon on both National Forests (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James 1971, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Scharf and Kren 1996, Thompson 1995, Thompson and others 1996, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Ouachita Riparian | | |
| | South-Central Interior Large Floodplain | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| | Forested-Bottomland Hardwood Guild Habitat | | |
| | Oak Woodlands Guild Habitat | | |
| | Shrubland Guild Habitat | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |
| <i>Limnothlypis swainsonii</i> | | Swainson's Warbler | |
| Weighted Viability Score*: 2.56 - Good | | S Rank: S3/S1 (AR/OK) | G Rank: G4 |
| Comments: Uncommon in both forests. More common on the St. Francis NF. Prefer up to 20 acres of switchcane or areas of dense shrub in early succession (ANHC 2003, Brown and Dickson 1994, Carrie 1996, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Wilson 1994, Wilson and others 1995). | | | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat | | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | | |
| | South-Central Interior Large Floodplain | | |
| | West Gulf Coastal Plain Small Stream/River Forest | | |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | | |
| <i>Melanerpes erythrocephalus</i> | | Red-headed Woodpecker | |
| Weighted Viability Score*: 2.82 - Good | | S Rank: -/- (AR/OK) | G Rank: G5 |

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| Comments: Uncommon on the Ozark-St. Francis and Ouachita NF. More numerous where abundance of snags are present (ANHC 2003, Bent 1964, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Kilham 1992, Martin and Finch 1995, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat |
| | Large Diameter Hollow Trees |
| | Oak Woodlands Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| | Snags |
| | South-Central Interior Large Floodplain |
| West Gulf Coastal Plain Small Stream/River Forest | |
| <i>Oporornis formosus</i> Kentucky Warbler | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S4B/- (AR/OK) G Rank: G5 | |
| Comments: Common on both national forests declining range-wide (ANHC 2003, Annand and Thompson 1997, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch and Stangel 1993, Fitzgerald 2000, Gibbs and Faaborg 1990, Hamel 1992, Jacobs 2001, James 1971, James and Neal 1986, James and others 1989, Kellner Unpublished, Martin and Finch 1995, McDonald 1998, Pingjun 1994, Robbins and Easterla 1992, Thompson and others 1992, 1995, 1996, Wenny and others 1993, Wilson 1994, Wilson and others 1995, USDA FS 1997). | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat |
| | Forested-Dense or Semi-open Pine Guild Habitat |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |
| <i>Passerina ciris</i> Painted Bunting | |
| Weighted Viability Score*: 2.56 - Good S Rank: -/- (AR/OK) G Rank: G5 | |
| Comments: Fairly abundant only within its preferred scrubby brush habitat (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Lowther and others 1999, Martin and Finch 1995, Probst and Thompson 1996, Robison and others 1995, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Oak Woodlands Guild Habitat |
| | Ouachita Riparian |
| | Shrubland Guild Habitat |
| | South-Central Interior Large Floodplain |
| | Southern Arkansas Calcareous Prairie |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |
| <i>Picoides borealis</i> Red-cockaded Woodpecker | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S2/S1 (AR/OK) G Rank: G3 | |
| Comments: Limited to restored Shortleaf Pine-Bluestem Ecosystems on the Ouachita NF, Historically occurred in the Eastern portion of the Boston Mountains subdivision of the Ozark Ecoregion, currently extirpated from the Ozark-St. Francis NF (ANHC 2003, Bukenhofer and Hedrick 1997, Bukenhofer and others 1994, Clawson 1982, Conner and others 2003, Costa and others 1996, Crowder 1997, Crump and Davis 2003, Doster 1991, Doster and James 1998, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Foti and Glenn 1991, Guldin and others 2004, Hamel 1992, Hedrick and others 1998, Heubschmann and others 2000, Jacobs 2001, James and Neal 1986, Jennelle 2000, Liechty and others 2005, Lochmiller and others 1993, Luckow 2000, Martin and Finch 1995, Masters and others 1993, 1995, 2001, 2002, Masters and Wilson 1994, Montague 1995, Montague and others 1993, 1995, Neal 1992, 2002, Neal and Montague 1991, Neal and others 1992, 1993, 1993a, 1993b, 1998, Raulston 1992, Raulston and others 1996, Robison and others 1999, Smith and Neal 1991, Sparks 1996, Sparks and others 2002, Thill and others In Press, Wilson 1994, Wilson and others 1995, Withgott 1994, Withgott and others 1993, USDA FWS 2003). | |
| Associated Conservation Targets | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Woodland |
| <i>Protonotaria citrea</i> Prothonotary Warbler | |
| Weighted Viability Score*: 2.88 - Good S Rank: S4B/- (AR/OK) G Rank: G5 | |

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| Comments: Low breeding density in both forests, mature hardwood with cavities, cavity-nesting obligate, with the exception of the St. Francis and possibly Tiak districts (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James 1971, James and Neal 1986, James and others 1989, King and others 1998, Martin and Finch 1995, Nolan and others 1999, Robbins and Easterla 1992, Robison and others 1999, Smith and Prather 2000, Thompson 1993, 1995, Thompson and Degraff 2001, Thompson and Fritzell 1990, Thompson and others 1992, 1993, 1995, 1996, Wilson 1994, Wilson and others 1995, USDA FS 1997). | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat |
| | Large Diameter Hollow Trees |
| | Snags |
| | South-Central Interior Large Floodplain |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |
| <i>Sitta pusilla</i> Brown-headed Nuthatch | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S4/- (AR/OK) G Rank: G5 | |
| Comments: Common within Red-cockaded Woodpecker restoration areas on the Ouachita NF, Perpheral and rare on the Ozark-St. Francis NF (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Wilson 1994, Wilson and others 1995, Withgott and Smith 1998). | |
| Associated Conservation Targets | Forested-Dense or Semi-open Pine Guild Habitat |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Snags |
| <i>Thryomanes bewickii</i> Bewick's Wren | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S2/S4 (AR/OK) G Rank: G5 | |
| Comments: Uncommon on the Ozark-St. Francis and Ouachita NF-only one EOR, Declining range wide (ANHC 2003, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Kennedy and White 1997, Martin and Finch 1995, Robbins and Easterla 1992, Robinson and others 1999, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Oak Woodlands Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Pine-Oak Forest |
| | Shrubland Guild Habitat |
| <i>Vireo flavifrons</i> Yellow-throated Vireo | |
| Weighted Viability Score*: 2.56 - Good S Rank: -/- (AR/OK) G Rank: G5 | |
| Comments: Low breeding densities in the Ozark-St. Francis and Ouachita NF (ANHC 2003, Annand and Thompson 1997, Baerg 1927, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James and Neal 1986, Martin and Finch 1995, Robbins and Easterla 1992, Robinson and others 1995, Rodewald and James 1996, Rodewald and Smith 1998, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Riparian |
| | South-Central Interior Large Floodplain |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |
| <i>Vireo griseus</i> White-eyed Vireo | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S4B/- (AR/OK) G Rank: G5 | |
| Comments: Uncommon to locally common on the Ozark-St. Francis and Ouachita NF (ANHC 2003, Annand and Thompson 1997, Baerg 1927, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Hopp and others 1995, Jacobs 2001, James 1971, James and Neal 1986, Kellner Unpublished, Kennedy and White 1997, Martin and Finch 1995, Robbins and Easterla 1992, Robinson and others 1999, Thompson 1995, Thompson and Fritzell 1990, Thompson and others 1996, Wilson 1994, Wilson and others 1995, USDA FS 1997). | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | South-Central Interior Large Floodplain |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | Central Interior Acidic Cliff and Talus |
| | Central Interior Highlands Dry Acidic Glade and Barrens |
| | Forested-Bottomland Hardwood Guild Habitat |

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| | Forested-Dense or Semi-open Pine Guild Habitat |
| | Forested-Dry Upland Hardwood & Hardwood/Pine Guild |
| | Grass/Forb Guild Habitat |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Pine-Oak Forest |
| | Shrubland Guild Habitat |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |
| <i>Wilsonia citrina</i> Hooded Warbler | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S4B/S2B (AR/OK) G Rank: G5 | |
| Comments: Common in appropriate breeding habitat on both national forests, needs the hardwood understory component (ANHC 2003, Annand and Thompson 1997, Baerg 1927, Clawson 1982, Crump and Davis 2003, Duzan and others 2003, 2003A, Evans and Kirkman 1980, Finch 1991, Finch and Stangel 1993, Fitzgerald 2000, Hamel 1992, Jacobs 2001, James 1971, James and Neal 1986, James and others 1989, Kellner Unpublished, Martin and Finch 1995, Pingjun 1994, Poole and Gill, Robbins and Easterla 1992, Robinson and others 1995, Smith and Prather 2000, Thompson 1995, Thompson and Fritzell 1990, Thompson and others 1996, Wilson 1994, Wilson and others 1995). | |
| Associated Conservation Targets | Forested-Bottomland Hardwood Guild Habitat |
| | Forested-Dense or Semi-open Pine Guild Habitat |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| | South-Central Interior Large Floodplain |
| | West Gulf Coastal Plain Small Stream/River Forest |
| West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | |
| Taxa: Invertebrate | |
| <i>Lirceus bicuspidatus</i> An Isopod | |
| Weighted Viability Score*: 2.9 - Good S Rank: S3/- (AR/OK) G Rank: G3Q | |
| Comments: Not known to occur on the Ouachita NF. This isopod inhabits a variety of biotopes including small seep/springs and streams, and cave streams. Nothing more is known about the biology of this species, except that it is widely known from the mountainous region of Arkansas. (ANHI 2003, Robison & Allen, 1995). | |
| Associated Conservation Targets | Caves, Mines & Karst Habitat |
| | Ouachita Mountain Forested Seep |
| | Ouachita Rivers and Streams |
| <i>Nicrophorus americanus</i> American Burying Beetle | |
| Weighted Viability Score*: 2.75 - Good S Rank: S1/S1 (AR/OK) G Rank: G2G3 | |
| Comments: In Arkansas, occurrences are limited to five counties in the western part of the state. Most of these occurrences are from federal lands, such as Fort Chaffee Military Reservation and the Ouachita National Forest (ANHI 2003, Carlton and Rothwein 1998, ONHI 2003 USDI FWS 1994). | |
| Associated Conservation Targets | Grass/Forb Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| Shrubland Guild Habitat | |
| <i>Speyeria diana</i> Diana Fritillary | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S2S3/- (AR/OK) G Rank: G3 | |
| Comments: The Diana fritillary has undergone a range-wide decline, and no longer occurs over a substantial portion of its historic range with scattered occurrences in Arkansas. Recent sightings indicate that it is more common than known records indicate. Diana fritillary adults feed on nectar, and the larvae are known to feed on violets. Female adults are generally found in moist, wooded ravines and valleys, while the males wander widely in search of females in a variety of habitats far from suitable breeding habitat (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukehofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). According to recent sightings on the Ouachita & Ozark Mtns., Diana fritillary adults are most frequently found in forested areas with nectar sources, particularly in fire-maintained communities (Dr. Craig Rudolph personal communication June 2003, Rudolph 2002, Rudolph and Ely 2000a, 2000b). | |
| Associated Conservation Targets | Central Interior Highlands Dry Acidic Glade and Barrens |

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|---|---|
| | Grass/Forb Guild Habitat |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Novaculite Glade and Woodland |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| | Central Interior Acidic Cliff and Talus |
| | Shrubland Guild Habitat |
| <i>Stenotrema pilsbryi</i> Rich Mountain Slitmouth | |
| Weighted Viability Score*: 2 - Fair S Rank: S2/- (AR/OK) G Rank: G2 | |
| Comments: Nine of the 10 known sites are located on the Ouachita National Forest, in areas that are protected by laws from logging or other high use impacts. It is known from numerous locations associated with rock glaciers usually above the 1600 ft. contour, and usually under hardwood forest cover, on Rich and Black Fork Mountains in AR & OK, and on Winding Stair Mtn., OK. There are no major threats to any of the populations. However, there are some activities that could conceivably impact snail habitat, including mowing, paving and repaving of the Talimena Scenic Drive, maintenance of vistas involving periodic localized vegetation management, and maintenance of hiking trails, electronic transmission sites, and one power line right-of way. Population trends are assumed to be stable (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Robison & Allen 1995, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999, USDI FWS 2001). | |
| Associated Conservation Target | Central Interior Acidic Cliff and Talus |
| <i>Stenotrema unciferum</i> Ouachita Slitmouth | |
| Weighted Viability Score*: 2.67 - Good S Rank: S?/- (AR/OK) G Rank: G2 | |
| Comments: Highly localized populations, but very common within the site. Found to occur on moist slopes in rotting timbers, but most particularly under small talus (Brian Coles, pers. Comm.). Known to occur in Montgomery and Polk counties in the Ouachita NF (ANHI 2003, NatureServe 2003, Robison & Allen 1995). | |
| Associated Conservation Target | Ouachita Mesic Hardwood Forest and Guild Habitat |
| Taxa: Mammal | |
| <i>Corynorhinus rafinesquii</i> Rafinesque's Big-Eared Bat | |
| Weighted Viability Score*: 4 - Very Good S Rank: S2/- (AR/OK) G Rank: G3G4 | |
| Comments: Viability concerns on NF limited to the Tiak RD on the Ouachita NF & Ozark NF-St. Francis (ANHI 2003, Baker and Ward 1967, Black 1936, Bunch, Dye 1998, Crump 2003, Crump 2003A, 2003C, 2003D, 2003H, Elliot 1994, Gardner and McDaniel 1978, Gardner 1978, Gardner 1978a, Graves and Harvey 1974, Heath et al. 1983, Heidt et al. 1987, Hoffmeister and Goodpaster 1962, Hurst and Lacki 1999, Kiser and Elliot 1996, McAllister et al. 1995, McDaniel and Gardner 1977, Mumford and Cope 1964, NatureServe 2003, NatureServe 2003a, Nelson et al. 1991, Odegard 2003, ONHI 2003: Penor et al. 1996, Pitts et al. 1996, Saugey et al. 1993, Sealander 1956, Sealander and Heidt 1990, Steward 1988, Steward 1986, Tumilson 1995). | |
| Associated Conservation Targets | Large Diameter Hollow Trees |
| | South-Central Interior Large Floodplain |
| | Snags |
| <i>Myotis austroriparius</i> Southeastern Myotis | |
| Weighted Viability Score*: 3.36 - Very Good S Rank: S2/S2? (AR/OK) G Rank: G3G4 | |
| Comments: Peripheral to the Ouachita Mtns. Known from SE OK (ANHI 2003, Askins 2001, Baker 1994, Baker and Ward 1967, BCI 2001, Benz and others 1997, Black 1936, Bozeman 1936, Clark and others 1987, Crump 2003, Crump 2003A, 2003B, 2003C, 2003D, 2003H, 2003J, 2003K, 2003M, 2003N, Davis and others 1955, Dillinger and Black 1940, Dickson and others 1983, Ford and others 2002, Foster and others 1978, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Graves and Harvey 1974, Gregory and others 1991, Guyette and Spetich 2003, Harvey 1975, 1991, 1991a, 1996, 1997, Harvey and Clark 1997, Harvey and others 1991, Heath and others 1983, 1986, Heidt and others 1987, 1996, Hofmann and others 1999, LaVal 1970, Litvaitis 2001, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, McAllister and others 1995, McDaniel and Gardner 1977, Mumford and Cope 1964, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, ONHI 2003, Reed 2004, Saugey and others 1993, Saugey 1989, Sealander 1956, Sealander and Heidt 1990, Steward 1988, Steward 1986, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | |
| Associated Conservation Targets | Caves, Mines & Karst Habitat |
| | Large Diameter Hollow Trees |
| | Large Trees near Water |
| | Ouachita Ponds, Lakes and Water Holes |

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| | Ouachita Riparian |
| | Ouachita Rivers and Streams |
| | Snags |
| | South-Central Interior Large Floodplain |
| <i>Myotis leibii</i> Eastern Small-Footed Bat | |
| Weighted Viability Score*: 3.31 - Very Good S Rank: S1/- (AR/OK) G Rank: G3 | |
| Comments: Two known localities in the Ouachita Mtns.-one from the city of Mena & one from Bear Den Cave. Ozark localities include several caves, utilized primarily as hibernacula (ANHI 2003, Askins 2001, Baker 1994, BCI 2001, Black 1936, Bozeman 1936, Caire and others 1979, Clark and others 1987, Crump 2003, Crump 2003A, 2003B, 2003C, 2003D, 2003H, 2003J, 2003K, 2003M, 2003N, Davis and others 1955, Dillinger and Black 1940, Dickson and others 1983, Erdle and Hobson 2001, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Harvey 1975, 1991, 1991a, 1996, 1997, Harvey and Clark 1997, Harvey and others 1991, Heath and others 1983, 1986, Heidt and others 1987, 1996, Journey and others 2001, Law and others 1994, LaVal and LaVal 1980, Litvaitis 2001, Masters 1991, Masters and others 1995, Masters and Wilson 1994, McDaniel and Gardner 1977, McDaniel and others 1982, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, ONHI 2003, Pitts and others 1996, Reed 2004, Saugey and others 1993, Saugey and others 1989, Sealander 1967, Sealander and Heidt 1990, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999, Wilhide and others 1998). | |
| Associated Conservation Targets | Bear Den Cave |
| | Central Interior Cliff and Talus |
| | Caves, Mines & Karst Habitat |
| | Ouachita Ponds, Lakes and Water Holes |
| | Ouachita Rivers and Streams |
| | Ouachita Dry Oak Woodland |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| <i>Myotis sodalis</i> Indiana Bat | |
| Weighted Viability Score*: 2.86 - Good S Rank: S2/S1 (AR/OK) G Rank: G2 | |
| Comments: Federally & State Endangered species. Ozark caves serve as hibernacula. No known maternity sites in Arkansas. One Ouachita locality in Bear Den Cave on the west end of Rich Mtn. In OK serves as an occasional hibernaculum (ANHI 2003, Baker and Ward 1967, Benz and others 1997, Black 1936, Black 1934, Brack and LaVal 1985, Brack 1983, Brady 1983, Britzke and others 2003, Callahan 1993, Callahan et al 1997, Carter 2003, Clark and others 1987, Clark and others 1987a, Clark 1981, Clark and Harvey 1997, Clark and Harvey 1996, Clark and Harvey 1986, Cope and Humphrey 1977, Cope and others 1973, Cope and others 1991, Crump 2003, Crump 2003A, 2003C, 2003D, 2003H, Engel 1976, Fletcher 1985, Foster and others 1978, Gardner 1987, Gardner and others 1996, Gardner and others 1991, Gardner and others 1989, Gardner and others 1990, Gardner and Garner 1990, Graening and others 2001, Graves and Harvey 1974, Guthrie 1933, Hall 1962, Harvey 1975, Harvey 1991, Harvey 1984, Harvey 1987, Harvey 1996, Harvey 1997, Harvey 1975a, Harvey 1991, Harvey 1994, Harvey 1980, Harvey 1991, Harvey 1980, Harvey and Clark 1997, Harvey and others 1979, Harvey and others 1991, Harvey and McDaniel 1986, Heidt and others 1996, Heidt and others 1987, Humphrey 1978, Humphrey and others 1977, Humphrey and Cope 1977, Johnson and others 1998, Kiser and Elliot 1996, Kurta and others 1992, Kurta and others 1993, Kurta and Kennedy 2002, LaVal and LaVal 1980, MacGregor and others 1999, Martin 2001, Martin and others 2000, McDaniel and Gardner 1977, Menzel and others 2001, Mumford and Cope 1964, Myers 1964, NatureServe 2003, NatureServe 2003a, Odegard 2003, ONHI 2003, Pitts and others 1996, Saugey and others 1989, Sealander 1956, Sealander 1960, Sealander and Heidt 1990, Sealander and Young 1955, Steward 1988, Thomson 1982, Tumilson 2001, Wilhide and others 1998, Wilhide and others 1998a). | |
| Associated Conservation Targets | Bear Den Cave |
| | Caves, Mines & Karst Habitat |
| | Large Diameter Hollow Trees |
| | Large Trees near Water |
| | Ouachita Dry Oak Woodland |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Ponds, Lakes and Water Holes |
| | Ouachita Riparian |
| | Ouachita Rivers and Streams |
| Snags | |
| <i>Spilogale putorius interrupta</i> Plains Spotted Skunk | |
| Weighted Viability Score*: 2.55 - Good S Rank: S?/- (AR/OK) G Rank: G5T4 | |
| Comments: Distributed FS-wide. Uncommon, possibly declining (ANHI 2003, Bukenhofer and Hedrick 1997, Bukenhofer and others 1994, Crump 2003, Crump 2003A, 2003C, 2003D, 2003H, Foti and Glenn 1991, Guldin and others 2004, Heidt and others 1996, Heuschmann and others 2000, Liechty and others 2005, Lochmiller and others 1993, Luckow 2000, Masters and others 1993, 1998, NatureServe 2003, NatureServe 2003a, Odegard 2003, ONHI 2003, Peck and others 1985, Perry In Process, Sealander 1956, Sealander and Heidt 1990, Smith and Neal 1991, Sparks 1996, Sparks and others 2002, Steward 1988). | |
| Associated Conservation Targets | Ouachita Dry Oak Woodland |
| | Oak Woodlands Guild Habitat |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |

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| | Ouachita Pine-Oak Forest |
| | Ouachita Pine-Oak Woodland |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |

Taxa: Plant

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| <i>Amorpha ouachitensis</i> | Ouachita Leadplant or False Indigo |
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| Weighted Viability Score*: 2.5 - Fair | S Rank: S3/S2 (AR/OK) | G Rank: G3Q |
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Comments: This plant species is endemic to the Ouachita Mtns. and Ozark Mountains. Restricted distribution. This species is found in riparian areas and gravel bars along perennial streams and in some instances on moist ridges (Rich Mountain) and occasionally in oak-pine Forests. There are 33 locations on the Ouachita National Forest in Arkansas and Oklahoma. Those sites located along drainages are protected through the implementation of ALRMP standards for protection of SMAs. The majority (90 %) of the sites on the Ouachita NF are within riparian habitat. (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999, USDI FWS 1980, 1999, Wilbur 1975).

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| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |

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| <i>Calamovilfa arcuata</i> | A Sandgrass |
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| Weighted Viability Score*: 3.5 - Very Good | S Rank: S1/S2 (AR/OK) | G Rank: G2 |
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Comments: Scattered populations of Cumberland sandreed, *Calamovilfa arcuata*, occur within the western portion of the Ouachita Mtns. This species has been found in Arkansas along the Cossatot and Fourche LaFave Rivers, and in McCurtain and LeFlore Counties in Oklahoma along the Mountain Fork and Glover Rivers. There are nine sites near or adjacent to lands in FS ownership in Oklahoma and Arkansas. It's a perennial grass, which grows in full sun on sand and gravel bars, riverbanks, and mid-stream islands. Stream size varies from intermittent creeks to permanently flowing rivers but the substrate is always a damp, well-mixed assortment of sands, gravels, and organic material. Populations are probably dependent on periodic floods, which eliminate other vegetation and form new, suitable habitat. This species is protected through the implementation of ALRMP standards and guides for protection of SMAs (ANHI 003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Logan 1997, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).

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| Associated Conservation Target | Ouachita Rivers and Streams |
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| <i>Callirhoe bushii</i> | Bush's Poppymallow |
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| Weighted Viability Score*: 2.67 - Good | S Rank: S3/- (AR/OK) | G Rank: G3 |
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Comments: It is unlikely that this species would be found in the Ouachita Mountains (Conversation with Gary Tucker 8-28-01), but it may possibly occur on the Tiak RD in the limestone glade areas. This fire-dependent species (personal comm. Doug Zollner-TNC) has been found in three locations in McCurtain County Oklahoma (OK) and 12 in Arkansas (AR). None of the AR locations occur within and only one OK site (T7SR26E Sec 15) occurs near the Ouachita NF. In AR, this species is found in rocky open woods, along the borders of limestone glades, roadsides and fencerows at elevations of 300-390 m. In OK, habitat includes open woods, lowland, floodplains, wet prairie and shaded creek banks in typically loam, sandy loam or alluvium soils. Loss of the natural fire regime is the greatest current threat to the species as a whole. The encroachment of woody vegetation into occupied habitat can change the amount of available sunlight and moisture, making sites less suitable for populations. Although populations persist in mid-successional habitats (moderately open woodlands and edges of glades), complete canopy closure is believed to eliminate this species from the open woodlands (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).

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| Associated Conservation Targets | Oak Woodlands Guild Habitat |
| | Ouachita Dry Oak Woodland |

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| <i>Carex latebracteata</i> | Waterfall's Sedge |
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| Weighted Viability Score*: 2.5 - Fair | S Rank: S3/S2 (AR/OK) | G Rank: G3 |
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| <p>Comments: This species is a locally abundant endemic to the Ouachita Mtns. with 75 locations near or on the Ouachita NF. It is found in a variety of habitats such as shaley roadsides, dry shale woodlands, riparian areas, mesic oak hickory forest, pine and pine hardwood forest, and shale and novaculite glades. It is found in Polk, Yell, Montgomery, Howard, Garland and Pike Counties in AR and Leflore and McCurtain Counties in OK. Waterfall's Sedge receives some natural protection from human disturbance by the diversity of its preferred habitats, and many of the NF locations are on sites that are outside the normal operating limits of common land management activities, such as within protected sites in glade and riparian communities, Wilderness Areas, and Research Natural Areas. There are also thriving populations within areas that have had timber management activities and prescribed fire in the past. A minor risk to the species occurs from the use of herbicides to control vegetation where it occurs adjacent to roadways. It does not appear subject to extensive plant collecting for scientific or ornamental purposes (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Targets | Central Interior Highlands Dry Acidic Glade and Barrens |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Novaculite Glade and Woodland |
| | Ouachita Pine-Oak Forest |
| | Ouachita Riparian |
| <i>Castanea pumila var ozarkensis</i> Ozark Chinquapin | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S3S4/S2 (AR/OK) G Rank: G5T3 | |
| <p>Comments: The fire-dependent species (personal comm. Doug Zollner-TNC) Ozark chinquapin is listed as sensitive because throughout its natural range continued existence is threatened by the chestnut blight. Despite its status, it is both abundant and of widespread distribution throughout the Interior Highlands. It is found in both successional and old-growth vegetation types commonly occurring in dry deciduous and mixed hardwood pine communities on rocky dry slopes and ridge tops. It occurs largely as stump sprouts and it reaches its fastest growth rate where abundant sunlight reaches the forest floor (Tucker, 1989). Direct impacts to Ozark chinquapin individuals may result from herbicide treatments and/or any activity removing existing vegetation by uprooting it or burying existing plants and seeds. Road and pond construction are possibly the most detrimental direct impacts to the chinquapin (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Dave and others 1999, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Johnson 1988, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Paillet 1993, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, Tucker 1989, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Targets | Central Interior Cliff and Talus |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Pine-Oak Forest |
| <i>Cypripedium kentuckiense</i> Southern Lady's-Slipper | |
| Weighted Viability Score*: 2.5 - Fair S Rank: S3/S1 (AR/OK) G Rank: G3 | |
| <p>Comments: This species is found within the Interior Highlands of Arkansas, Missouri, and Oklahoma, the Gulf Coastal Plain of Texas, Louisiana, Alabama and Mississippi and the Cumberland Plateau of Kentucky and northern Tennessee. It has also recently been found in eastern Virginia. <i>Cypripedium kentuckiense</i> has been recorded for Pulaski, Lincoln, Sevier, Crawford, Franklin, Montgomery, Garland, Polk, Johnson, Jefferson, Hempstead, Perry, Grant, Madison, Howard, and Pike Counties in Arkansas. It is also known from McCurtain, LeFlore, Choctaw and Pushmataha Counties of Oklahoma. There are 88 known sites for this species on the Ouachita NF (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2000, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Target | Ouachita Mountain Forested Seep |
| | Ouachita Riparian |
| <i>Delphinium newtonianum</i> Moore's Larkspur | |
| Weighted Viability Score*: 3.08 - Good S Rank: S3/- (AR/OK) G Rank: G3 | |
| <p>Comments: *Newton's larkspur, <i>Delphinium newtonianum</i>, G3. This species is endemic to the Interior Highlands of Arkansas, and is locally abundant in a narrow region. It is found in 12 sites (nine on the Caddo RD) within Pike and Montgomery County in the Ouachita Mountains. This species commonly occurs in the shade of moist deciduous or mixed hardwood-pine communities, primarily within seep/springs and rocky stream terraces. It is generally found in forest with relatively clean understory and with a low herbaceous cover but high species diversity among the associated species. Moore's delphinium "prefers light to heavy shade of hardwoods, a moist loamy clay or sandy clay loam". Newton's larkspur appears to be favored on sites that are moist and shaded. The populations with the highest densities are those stands, which have been thinned. The weaker populations are those in stands with the least amount of disturbance. Excessively heavy thinning however opens the forest to invasion by opportunistic species and dries out the soil, making the habitat unsuitable for this species (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hardcastle 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Robison and Allen 1995, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, Tucker 1989a, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat |

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| | Ouachita Riparian |
| | Ouachita Mountain Forested Seep |
| <i>Draba aprica</i> Open-ground Whitlow-grass | |
| Weighted Viability Score*: 2 - Fair | S Rank: S2/S1 (AR/OK) G Rank: G3 |
| <p>Comments: Open-ground draba, <i>Draba aprica</i>, is found in the Ouachita Mountains along shale, sandstone and limestone bluffs and glades. There are fourteen locations within the Ouachita NF on or near the Oden, Womble, Jessieville/Winona and Tiak RDs. Most populations consist of one to several small patches of only a few square meters each. Those confined to a single patch generally consist of less than 100 plants. <i>Draba aprica</i> is a winter annual, which germinates in late fall and forms a basal rosette of leaves which over winters and sends up a flowering stem with the advent of warmer weather in early spring. There are drastic fluctuations in the populations of annuals species. This fluctuation makes it hard to monitor this species annually. Generally, the soil in most places where <i>Draba aprica</i> grows is too thin to support a continuous cover of large trees, and it is exposed to at least partial sun. Since it is found in somewhat open areas, <i>Draba aprica</i> is well adapted to vegetation types that are successional in nature. This is due to the generally more open canopy and more frequent canopy gaps resulting from rapid tree death in these communities. Most populations of <i>Draba aprica</i> consist of one to several small patches of only a few square meters each. Those confined to a single patch generally consist of less than 100 plants. This species is found on shallow soils in areas where there is little vegetative competition (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukehofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). Personal comm. with Doug Zollner identified this species as being fire dependent (Fire dependent – Species populations increase with fire management. Species occurs within habitats/ecosystems where fire is a primary ecological process. Species populations decline without fire management). This species would benefit from prescribe fire through the reduction of competing vegetation.</p> | |
| Associated Conservation Target | Central Interior Highlands Dry Acidic Glade and Barrens |
| <i>Dryopteris x australis</i> Dryopteris | |
| Weighted Viability Score*: 2.5 - Fair | S Rank: S1/- (AR/OK) G Rank: HYB |
| <p>Comments: Small's woodfern, <i>Dryopteris x australis</i> (HYB) is a hybrid between <i>Dryopteris celsa</i> and <i>D. ludoviciana</i>. It occurs across the southeastern United States. It is known from four locations in Garland and Montgomery counties with only two on the Caddo and Womble RDs. The habitat for this species is gravelly springs and seeps. This hybrid is available commercially from nurseries. The taxonomy is also questionable (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukehofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Targets | Ouachita Riparian Ouachita Mountain Forested Seep |
| <i>Eleocharis wolfii</i> Wolf Spikerush | |
| Weighted Viability Score*: 2.67 - Good | S Rank: S2/- (AR/OK) G Rank: G3? |
| <p>Comments: *Wolf Spikerush, <i>Eleocharis wolfii</i>, G3?. This species has a wide range, but apparently rare throughout much of its northern range. It is poorly known and may be overlooked. This species is found in open sunny habitats that retain moisture for most of the year. They are associated with wet depressions and seepage areas within sandstone and shale glades. There is one known location on the Ouachita NF in a shale glade and two locations within sandstone glades on the Ozark NF. Habitat and site locations are based on personal communications with Theo Witsell (ANHI) and NatureServe. 2003. NatureServe Explorer: An online encyclopedia of life [web application]. Version 1.8. NatureServe, Arlington, Virginia. Available http://www.natureserve.org/explorer. (Accessed: July 18, 2003).</p> | |
| Associated Conservation Targets | Central Interior Highlands Dry Acidic Glade and Barrens |
| <i>Eriocaulon kornickianum</i> Small-headed Pipewort | |
| Weighted Viability Score*: 2.67 - Good | S Rank: S2/- (AR/OK) G Rank: G2 |
| <p>Comments: *Gulf pipewort, <i>Eriocaulon koernickianum</i>, G2. This species in the western part of its range (Arkansas, Oklahoma, and Texas) it is found in small microhabitats in or near permanently moist to wet seepage areas (particularly upland sandstone glade seeps), bogs, and prairie streambanks. There is only one location known to occur on the Ouachita NF and that is on the Fulton Branch Glades on the Womble RD. In 1994 survey, less than 10 plants were counted. No plants were found in 2001 or 1999 survey. Population described as small and of poor quality (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukehofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Targets | Central Interior Highlands Dry Acidic Glade and Barrens |
| <i>Helianthus occidentalis ssp</i> Shinnery Sunflower | |
| Weighted Viability Score*: 2.5 - Fair | S Rank: S1/- (AR/OK) G Rank: G5T2T3Q |

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| <p>Comments: This species occurs in Arkansas, Louisiana and Texas. The only known sites for the Ouachita NF are on the Womble and Jessieville/Winona RD. All three sites occur within associations of shortleaf pine-oaks-hickory forest and in one instance in an abandoned stream channel. This plant forms dense stoloniferous colonies. It prefers full sunlight in areas with some disturbance and low competition (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Marsh and Golden 1996, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | | |
| Associated Conservation Targets | Central Interior Highlands Dry Acidic Glade and Barrens | |
| | Ouachita Pine-Oak Forest | |
| | Ouachita Rivers and Streams | |
| <i>Houstonia ouachitana</i> Ouachita Bluet | | |
| Weighted Viability Score*: 2.67 - Good S Rank: S3/S1 (AR/OK) G Rank: G3 | | |
| <p>Comments: Ouachita bluet, <i>Houstonia ouachitana</i>, G3. This species is considered to be a Ouachita Mountain endemic. It occurs in a variety of habitats from rocky open woods to shaded mesic hardwood forests. This includes oak-hickory-pine forest, riparian areas, talus slopes and rocky areas along streambanks, and glades. There are 70 sites for this species on the Ouachita NF. Habitat information is based on descriptions in site records from ONHI database (2003) and ANHI database (2003). Ouachita NF site locations are based on records from ONHI database (2003) and ANHI database (2003).</p> | | |
| Associated Conservation Targets | Central Interior Acidic Cliff and Talus | |
| | Ouachita Mesic Hardwood Forest and Guild Habitat | |
| | Ouachita Riparian | |
| <i>Hydrophyllum brownei</i> Browne's Waterleaf | | |
| Weighted Viability Score*: 2.58 - Good S Rank: S1/- (AR/OK) G Rank: G1 | | |
| <p>Comments: Brown's waterleaf, <i>Hydrophyllum brownei</i>, is endemic to the Ouachita Mountains of Arkansas. There are 10 known locations within or near the Ouachita NF. It has been reported near or on the Caddo, Womble and Mena RDs. Primary habitat preferences for this species are moist, species-rich floodplain terraces along perennial streams. It is a shade dependent species and thinning of the canopy or canopy removal could be detrimental to this species (Conversation with Gary Tucker). This species normally occurs in areas such as the SMA that are not subject to timber management activities. It occasionally will occur along a lower slope outside the SMA. The majority of the populations should be protected through the implementation of ALRMP standards and guides for protection of SMAs. There is no information on the effects of fire on this species. It does have thick fleshy roots, which may provide some protection from fire (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, FTN 2001, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Kral 1983, Kral and Bates 1991, Law and others 1994, Marsico 2004, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat | |
| | Ouachita Riparian | |
| <i>Juglans cinerea</i> Butternut | | |
| Weighted Viability Score*: 2.67 - Good S Rank: S3/- (AR/OK) G Rank: G3G4 | | |
| <p>Comments: There are more than 100 occurrences from at least 17 states within the range of this species; however, the abundance and condition are both in rapid decline due to butternut canker disease, with no known remedy. High mortality, higher rates of infection and rapid loss of the remaining uninfected trees to timber cutting are factors. There is one verified location of butternut on the Ouachita NF in the Caney Creek Wilderness and one undocumented report on the Jessieville RD (USDA Forest Service 1991). Butternut typically grows in rich mesophytic forests, lower slopes, ravines, and various types of bottomland, including banks and terraces of creeks and streams, and floodplain forests (MA 6-Mesic Hardwood). This species achieves its best growth in well-drained bottomland and floodplain soils. The major threat throughout its entire range is susceptibility to the butternut canker disease. The fungus disrupts nutrient flow through cambium areas, which is generally fatal. It may take trees more than 40 years to die, but in many cases, death has rapidly followed infection. Following dieback, this species does not leave live rootsprouts and usually does not leave viable seed. Butternut is shade-intolerant, achieving its best growth in full sunlight and requires some form of disturbance, such as soil disturbance and the creation of canopy gaps for successful reproduction and establishment (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat | |
| | Ouachita Riparian | |
| <i>Leavenworthia aurea</i> Golden Glade Cress | | |
| Weighted Viability Score*: 3.5 - Very Good S Rank: -/S2 (AR/OK) G Rank: G2 | | |
| <p>Comments: On the Ouachita NF known only from the Tiak RD. Golden glade cress, <i>Leavenworthia aurea</i>, is known as two varieties from two counties in southeastern Oklahoma and two counties from eastern Texas. <i>Leavenworthia aurea</i> var. <i>aurea</i> is an Oklahoma endemic with twenty-six known populations, all concentrated in the extreme southeastern corner of the state. The populations generally have thousands of individuals that together form an almost linear population stretching for about 100 km along a narrow band of Cretaceous limestone from McCurtain to Choctaw Counties. There are five locations within the proclamation boundary of the Ouachita NF on the Tiak RD (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | | |

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| Associated Conservation Target | Southern Arkansas Calcareous Prairie | |
| <i>Lesquerella angustifolia</i> Threadleaf Bladderpod | | |
| Weighted Viability Score*: 3.5 - Very Good | S Rank: -/S3 (AR/OK) | G Rank: G3 |
| Comments: Threadleaf bladderpod, <i>Lesquerella angustifolia</i> , is found on limestone soils in extreme northeast Texas and southeastern Oklahoma. There are two locations of this species near or on the Ouachita NF is on the Tiak RD. It is found in the limestone glades in McCurtain County (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | | |
| Associated Conservation Target | Southern Arkansas Calcareous Prairie | |
| <i>Parnassia grandifolia</i> Large-leaved Grass-of-Parnassus | | |
| Weighted Viability Score*: 2.5 - Fair | S Rank: S3/- (AR/OK) | G Rank: G3 |
| Comments: Grass-of-Parnassus, <i>Parnassia grandifolia</i> , G3. This species has a moderately wide but sparse range throughout much of the South. This species is considered secure within the Ozark Mountains but disjunct within the Ouachita Mountains. The ANHI currently tracks only those locations within the Ouachita Mountain region. There is one location on the Ouachita NF in Twin Creek seep. The habitat for this site is a seepage area along a streambank. These habitats are protected through the implementation of ALRMP standards and guides for protection of SMZs. Habitat base on information is based on descriptions of site records from ANHI database (2003). Ouachita NF site information is based on site records from ONHI database (2003) and ANHI database (2003). | | |
| Associated Conservation Target | Ouachita Mountain Forested Seep | |
| <i>Polymnia cossatotensis</i> Heartleaf Leafcup | | |
| Weighted Viability Score*: 2.5 - Fair | S Rank: S1/- (AR/OK) | G Rank: G1 |
| Comments: Cossatot Mountain leafcup, <i>Polymnia cossatotensis</i> , is a Ouachita Mountain endemic. There are only four known locations and all occur on the Ouachita NF. The sites include Winding Stairs, Brush Heap Mountain, Gap Mountain and Pryor Mountain. The leafcup is found in open areas on a cherty novaculite talus slope, often growing with roots directly attached to bare rock surfaces. The location on Gap Mountain was found in area following a dormant season prescribed burn. Because it is found to occur on loose talus, it is not in area of merchantable timber. Habitat base on information is based on descriptions of site records from ONHI database (2003) and ANHI database (2003). Ouachita NF site information is based on site records from ONHI database (2003), ANHI database (2003), information provided by Edith Hardcastle and David Williams at the University of Arkansas at Fayetteville, and Pittman, Albert B. and others 1989. A new species of <i>Polymnia</i> (Compositae: Heliantheae) from the Ouachita Mountain region of Arkansas. Sida 13(4): 481-486. (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hardcastle and others 1989, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | | |
| Associated Conservation Target | Ouachita Novaculite Glade and Woodland | |
| <i>Quercus acerifolia</i> Maple-leaved Oak | | |
| Weighted Viability Score*: 2 - Fair | S Rank: S1/- (AR/OK) | G Rank: G1 |
| Comments: Mapleleaf oak, <i>Quercus acerifolia</i> , G1. This species occurs on Magazine Mountain and in the Ouachita Mountains in Arkansas and Oklahoma. It is found in Logan, Polk, Montgomery and Sebastian Counties. There are two locations on the Ouachita NF. These sites are on Pryor and Porter Mountains on the Caddo RD. The sites on the Ozark-St. Francis and Ouachita NF are found on novaculite slopes in open woods, ledges, cliff edges and on steep ridges. This species is a small, shrubby deciduous tree, (typically 3-9 m tall) with broad, palmately lobed leaves that resemble those of a maple. The leaves turn scarlet-red in the fall. Ouachita NF site information is based site records from ANHI database (2003) and USDA Forest Service. 1991. Baseline Vegetation Inventory Study Caney Creek Wilderness Area (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | | |
| Associated Conservation Target | Central Interior Acidic Cliff and Talus | |
| | Central Interior Highlands Dry Acidic Glade and Barrens | |
| <i>Solidago ouachitensis</i> A Goldenrod | | |
| Weighted Viability Score*: 2.53 - Good | S Rank: S3/S1 (AR/OK) | G Rank: G3 |
| Comments: Ouachita Mountain goldenrod, <i>Solidago ouachitensis</i> , is endemic to the Ouachita Mountains of Arkansas and Oklahoma and is known from 30 locations on the Ouachita NF. The goldenrod is found in mesic oak-hickory forests on north-facing slopes and occasionally within riparian areas in the Central Ouachita Mountains. It is known to occur in Polk, Yell, Montgomery and Pike Counties in Arkansas and LeFlore County in Oklahoma (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A , 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | | |
| Associated Conservation Targets | Ouachita Riparian | |

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| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| <i>Streptanthus squamiformis</i> A Twistflower | |
| Weighted Viability Score*: 2.21 - Fair S Rank: S2/S1 (AR/OK) G Rank: G2 | |
| Comments: Twistflower, <i>Streptanthus squamiformis</i> , is endemic to the Ouachita NF. Cyclic annual abundance according to natural disturbance regimes. This species is known from about 28 locations in Oklahoma and Arkansas. There are 20 documented locations within the Ouachita NF but three sites have a possible misidentification. This species is only found on the Mena RD and in the acquired lands in McCurtain County Oklahoma within the Ouachita NF. It can be found in openings in mesic hardwood forests, roadside ditches, novaculite glades sometimes associated with slopes and ravines adjacent to small streams (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Jurney and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | |
| Associated Conservation Targets | Ouachita Novaculite Glade and Woodland |
| | Grass/Forb Guild Habitat |
| | Ouachita Dry-Mesic Oak Forest |
| <i>Thalictrum arkansanum</i> Arkansas Meadow-Rue | |
| Weighted Viability Score*: 3.5 - Very Good S Rank: -/S1 (AR/OK) G Rank: G2Q | |
| Comments: This species is rare in northeastern Texas and adjacent, uplifted areas of eastern Oklahoma and southwestern Arkansas (plus one disjunct locale in eastern Arkansas). There are only four known locations for this species on the Ouachita NF all on the Tiak RD. The habitat can be described as the low moist woods adjacent to the limestone glades (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Jurney and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | |
| Associated Conservation Target | Southern Arkansas Calcareous Prairie |
| <i>Tradescantia ozarkana</i> Ozark Spiderwort | |
| Weighted Viability Score*: 2.67 - Good S Rank: S3/S1S2 (AR/OK) G Rank: G3 | |
| Comments: Ozark spiderwort, <i>Tradescantia ozarkana</i> , G3. This species is endemic to the Ozark Mountains of Missouri, Oklahoma, and Arkansas and the Ouachita Mountains of western Arkansas and southeastern Oklahoma. There are fifteen extant populations in Missouri, more than that in Arkansas, and a few in Oklahoma (NatureServe: An online encyclopedia of life [web application]. 2003). There are 11 locations on or near the Ouachita NF this species is known only from Blackfork and Rich Mountains and the Broken Bow Unit. | |
| Associated Conservation Targets | Central Interior Cliff and Talus |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Riparian |
| <i>Trillium pusillum var ozarkanum</i> Ozark Least Trillium | |
| Weighted Viability Score*: 2.47 - Fair S Rank: S3/S1 (AR/OK) G Rank: G3T3 | |
| Comments: This species is endemic to the Ozark Mountains of Missouri, Oklahoma, and Arkansas and the Ouachita Mountains of western Arkansas and southeastern Oklahoma. There are fifteen extant populations in Missouri, more than that in Arkansas, and a few in Oklahoma. There are 11 locations on or near the Ouachita NF; this species is known only from Blackfork and Rich Mountains and the Broken Bow Unit. <i>Tradescantia ozarkana</i> does not appear to be highly habitat-specific. Throughout its range, it has been recorded from rich, diverse, mesic deciduous forest. Herbaceous associates are not well-known. <i>Asclepias quadriifolia</i> , <i>Carex latebracteata</i> , <i>Dodecatheon meadia</i> , <i>Hedyotis ouachitana</i> , <i>Silene virginica</i> , and <i>Tradescantia ohioensis</i> are associates at a McCurtain County, Oklahoma site. Thinning of the canopy may be beneficial for this species as "dense shading seems to be associated with smaller populations." There may be circumstances under a full canopy such as a maturing second-growth woodland where limited canopy removal may be of use, but in general if left alone in forested habitat, windthrow and mortality may provide adequate canopy opening to sustain populations (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Jurney and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999). | |
| Associated Conservation Targets | Ouachita Mesic Hardwood Forest and Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Riparian |
| <i>Valerianella nuttallii</i> Nuttall's Corn-Salad | |
| Weighted Viability Score*: 2 - Fair S Rank: S1/- (AR/OK) G Rank: G1G2 | |

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| <p>Comments: This species is apparently restricted to western Arkansas. It was formerly reported in eastern Oklahoma; however, occurrences have not been confirmed there recently. This species is found in Garland, Hot Spring, Logan and Polk counties in Arkansas. There are only two locations known within the Ouachita NF; there is also one site near the Cold Springs RD near the Boy Scout Camp which has some taxonomic questions. It is found in two distinct habitats. The first is meadows and ditches in association with annuals and perennials including but not limited to <i>Blephilia ciliata</i>, <i>Coreopsis lanceolata</i>, <i>Valerianella longiflora</i>, <i>V. radiata</i> and <i>Daucus carota</i>. Another habitat is in open areas within shale glades (Wilkes 1999). On the Ouachita NF it is found on shale glades or in roadside ditches adjacent to the shale glades. This species is an annual and prefers areas where vegetation competition is low. Since this species is found in meadows and in roadside ditches, it can be assumed that it can withstand some disturbance and/or that some disturbance may be beneficial (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999, Wilkes 1999).</p> | |
| Associated Conservation Target | Central Interior Highlands Dry Acidic Glade and Barrens |
| <i>Valerianella palmeri</i> A (Palmer's) Corn-Salad | |
| Weighted Viability Score*: 2.62 - Good | S Rank: S3/S1 (AR/OK) G Rank: G3 |
| <p>Comments: Palmer's corn-salad, <i>Valerianella palmeri</i>, is an endemic only known from Arkansas and eastern Oklahoma. It is found in Howard, Polk, Garland and Hot Springs Counties in Arkansas, and McCurtain County in Oklahoma. There are three locations on the Ouachita NF in McCurtain County and on the Jessieville RD. This plant is an annual that inhabits a variety of sites such as gravelly areas near streams, rocky ledges in open woods and mesic oak woods (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Targets | Ouachita Mountain Forested Seep |
| | Ouachita Riparian |
| | Central Interior Highlands Dry Acidic Glade and Barrens |
| | Ouachita Mesic Hardwood Forest and Guild Habitat |
| <i>Verbesina walteri</i> Rayless Crown-Beard | |
| Weighted Viability Score*: 2.67 - Good | S Rank: S1/S1 (AR/OK) G Rank: G3? |
| <p>Comments: Rayless crown-beard, <i>Verbesina walteri</i>, is primarily a coastal plain species, which occurs as an outlier within the Ouachita Mountains. There are six locations on the Ouachita NF. It is known from the Talimena Scenic Drives, and Queen Wilhelmina State Park and the Blackfork Wilderness. Associated species include but are not limited to white oak, mockernut hickory, basswood, cucumber magnolia in the canopy and persimmon, redbud, witch hazel, spicebush and pawpaw in the understory and shrub layer (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Target | Ouachita Mesic Hardwood Forest and Guild Habitat |
| <i>Vernonia lettermannii</i> Narrowleaf Ironweed | |
| Weighted Viability Score*: 3.5 - Very Good | S Rank: S3/S? (AR/OK) G Rank: G3 |
| <p>Comments: This species is known only from western Arkansas and eastern Oklahoma. This species occurs on gravel bars and rock ledges along 5th order perennial streams within the Ouachita, Cossatot, Fourche LaFave, and Poteau drainages in Arkansas and the Mountain Fork drainage in Oklahoma. This species was first reported to occur within a riparian area within a shale glade. New data and locations show that the habitat for the ironweed is riparian but is not limited to those areas adjacent to shale glades. There are a total of 11 sites on NF lands in Oklahoma and Arkansas. A total of 139 plants were reported to occur on six of the sites. Two site reports identified several clumps. Reports for other sites do not have number of plants listed. These populations are deemed stable because the habitat and locations in which this species occurs is excluded from most management activities. The habitat is in or adjacent to stream channels where it is protected from most NF management activities. The population of this species on the Ouachita NF is thought to be stable (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bukenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).</p> | |
| Associated Conservation Target | Ouachita Rivers and Streams |
| <i>Vitis rupestris</i> Sand Grape | |
| Weighted Viability Score*: 3.5 - Very Good | S Rank: SR/- (AR/OK) G Rank: G3 |

Comments: This species is found along cherty streambeds, rocky banks, and gravel bars that are alternately xeric and inundated. This species has been found on NF lands along Buzzard Creek on the Kiamichi RD, along Buchanan Creek near Steve, Arkansas, on the border of the Fourche and Jessieville RD, and along Wheat Creek on the Oden RD. This species is found within the channels of these streams on gravel bars and is protected through the implementation of ALRMP standards and guides for protection of SMAs. Burning should not have an effect on this species (ANHI 2003, Askins 2001, Baker 1994, Crump 2003, Crump and others 2003A, 2003B, 2003C, 2003D, 2003J, 2003K, 2003M, 2003N, Ford and others 2002, Foti and Guldin 1994, Foti and Bunkenhofer 1998, Graham and others 2004, Gregory and others 1991, Guyette and Spetich 2003, Hooks 2003, 2003a, 2003b, 2003c, 2003d, Journey and others 2001, Law and others 1994, Masters 1991, Masters and others 1995, Masters and Wilson 1994, NatureServe 2003, 2003a, ONHI 2003, Pert 2000, Smith and others 1984, Sparks and others 1999, Spetich 2004, TNC 2003, Trani and others 2001, USDA FS 1991, 1997, 1997a, 1999).

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| Associated Conservation Target | Ouachita Rivers and Streams |
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Taxa: Reptile

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| <i>Crotalus atrox</i> | Western Diamondback Rattlesnake |
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| Weighted Viability Score*: 2.4 - Fair | S Rank: -/ (AR/OK) | G Rank: G5 |
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Comments: Difficult to inventory due to rugged habitat. The Ouachita population is at the eastern frontier of its distribution (ANHI 2003, Albritton 1981, Ball 1980, Bonati 1980, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dellinger and Black 1938, Dowling 1957, Ernst 1992, Fitch 1985, Fitch and Pisani 1993, Klauber 1956, Martin 1981, Minton and Minton 1948, Ortenburger 1929, Parker 1947, Perkins 1928, Perkins and Lentz 1932, Schuier and others 1972, Schwarzt 1938, Stone 1904, Strecker 1924, Trauth and others 2004, Trauth 1986b, Trauth and Cochran 1992, USDA FS 1999, Vance 1987, Wilson 1995).

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| Associated Conservation Targets | Central Interior Acidic Cliff and Talus |
| | Oak Woodlands Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Montane Oak Forest |
| | Ouachita Novaculite Glade and Woodland |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat |
| | Ouachita Pine-Oak Woodland |
| | Shrubland Guild Habitat |
| | Grass/Forb Guild Habitat |
| Central Interior Highlands Dry Acidic Glade and Barrens | |

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| <i>Crotalus horridus</i> | Timber Rattlesnake |
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| Weighted Viability Score*: 2.5 - Fair | S Rank: -/ (AR/OK) | G Rank: G4 |
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Comments: Range-wide long-term viability concerns. Viability concerns largely related to mortality due to human contact. The USDI FWS lists the timber rattlesnake as a high priority species or species of concern in need of further study throughout its range. The timber rattlesnake is distributed throughout all regions of Arkansas; as yet, no formal legal protection has been afforded this species. Because communal denning behavior has not been proven to occur for this species in Arkansas, populations have been spared the fate of those associated with dens elsewhere. Mark and recapture studies are continuing in northwestern Arkansas (Steve Beaupre, pers. Comm.) to determine population trends and spatial movements of these snakes (Albritton 1981, Anderson 1965, Ball 1980, Beaupre and Zaidan 2001, Bonati 1980, Brown 1982, Brown 1991, Brown 1993, Conant and Collins 1991, Cundall and Beaupre 2001, Dellinger and Black 1938, Dowling 1957, Ernst and Barbour 1989, Ernst 1992, Fitch 1985, Hardy 1992, Hurter and Strecker 1909, Klauber 1956, Martin 1981, Martin 1992, Martin 1993, McAllister and others 1995h, McAllister and others 1993a, Parker 1947, Perkins 1928, Pisani and others 1973, Schwarzt 1938, Schuier and others 1972, Stone 1903, Strecker 1924, Trauth and others 1994, 2004, Trauth and McAllister 1995, Werler and Dixon 2000).

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| Associated Conservation Targets | Forested-Dry Upland Hardwood & Hardwood/Pine Guild |
| | Grass/Forb Guild Habitat |
| | Oak Woodlands Guild Habitat |
| | Ouachita Dry Oak Woodland |
| | Ouachita Dry-Mesic Oak Forest |
| | Ouachita Montane Oak Forest |
| | Ouachita Novaculite Glade and Woodland |
| | Ouachita Pine-Oak Forest |
| | Ouachita Pine-Oak Woodland |
| | Ouachita Riparian |
| | Shrubland Guild Habitat |
| | West Gulf Coastal Plain Small Stream/River Forest |
| | West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) |
| | Forested-Dense or Semi-open Pine Guild Habitat |
| Forested-Bottomland Hardwood Guild Habitat | |

| <i>Crotaphytus collaris</i> | | Collared Lizard | |
|---|---|--------------------------------------|--------------|
| Weighted Viability Score*: 2 - Fair | | S Rank: -/ (AR/OK) | G Rank: G5 |
| Comments: Rare and poorly known in the Arkansas/Oklahoma Ouachita's. Scattered Ozark populations obligate to glade habitats. Aggregated mostly within the White River Valley in reservoir-maintained glades, and glade-like habitats within the Springfield Plateau. Some viability related to human collections (pets, scientific collectors, scientific supply houses)(ANHI 2003, Bonati 1980, Crump 2003, Crump and others 2003A, 2003C, 25 June, 27 June, Collins 1991, Conant and Collins 1998, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dellinger and Black 1938, Dowling 1957, Hurter and Strecker 1909, Hutchison and others 1999, McAllister 1980a, McAllister 1983., McAllister 1985b, McAllister and others 1985, McAllister and Trauth 1982, McAllister and Trauth 1985, McGuire 1996, ONHI 2003, Schuier and others 1972, Schwaradt 1938, Trauth and others 2004, Trauth 1974, 1978, 1979, 1989a, USDA FS 1999, Wilson 1995). | | | |
| Associated Conservation Target | Central Interior Acidic Cliff and Talus | | |
| | Central Interior Highlands Dry Acidic Glade and Barrens | | |
| <i>Eumeces obsoletus</i> | | Great Plains Skink | |
| Weighted Viability Score*: 2.5 - Fair | | S Rank: -/ (AR/OK) | G Rank: G5 |
| Comments: Poorly known. One record each from the Ozarks and the Ouachita Mtns. Ouachita locality is disjunct, Ozark locality peripheral (ANHI 2003, Collins 1993, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Fitch 1955, Johnson 1987, Robison and Douglas 1979, Trauth and others 2004, USDA FS 1999, Webb 1970, Wilson 1995). | | | |
| Associated Conservation Targets | Ouachita Dry Oak Woodland | | |
| | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat | | |
| | Ouachita Pine-Oak Woodland | | |
| | Central Interior Highlands Dry Acidic Glade and Barrens | | |
| | Grass/Forb Guild Habitat | | |
| <i>Eumeces septentrionalis obtusirostris</i> | | Southern Prairie Skink | |
| Weighted Viability Score*: 2.29 - Fair | | S Rank: S3/- (AR/OK) | G Rank: G5T5 |
| Comments: Peripheral. One record each in the Ozarks-Lee Creek, Ouachita's & AR River Valley in AR. More common in OK (ANHI 2003, Collins 1993, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Johnson 2000, McAllister 1987a, ONHI 2003, Trauth and others 2004, USDA FS 1999, Webb 1970, Wilson 1995). | | | |
| Associated Conservation Targets | Ouachita Dry-Mesic Oak Forest | | |
| | Ouachita Pine/Bluestem Woodland and Guild Habitat | | |
| | Ouachita Pine-Oak Forest | | |
| | Ouachita Pine-Oak Woodland | | |
| | Grass/Forb Guild Habitat | | |
| | Ouachita Dry Oak Woodland | | |
| <i>Nerodia cyclopion cyclopion</i> | | Mississippi Green Water Snake | |
| Weighted Viability Score*: 3 - Good | | S Rank: S4/- (AR/OK) | G Rank: G5 |
| Comments: Peripheral. Known only from the Little River AR/OK & southern and eastern margins of Ouachita ecoregion (ANHI 2003, Ball 1980, Boundy 1995, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dellinger and Black 1938, Dowling 1957, Dundee and Rossman 1989, Garton and others 1970, Hanebrink and Byrd 1986, Hebrard and Mushinsky 1978, Hurter and Strecker 1909, Kofron 1979b, McAllister and others 1990a, Minton and Minton 1948, Mushinsky and Hebrard 1977, Mushinsky and others 1982, ONHI 2003, Perkins 1928, Schwaradt 1938, Tinkle 1959, Trauth and others 2004, Trauth 1990, Trauth and others 1994, 2004, USDA FS 1999, Wilson 1995). | | | |
| Associated Conservation Target | West Gulf Coastal Plain Small Stream/River Forest | | |
| <i>Sternotherus carinatus</i> | | Razorback Musk Turtle | |
| Weighted Viability Score*: 3.5 - Very Good | | S Rank: S3/- (AR/OK) | G Rank: G5 |
| Comments: Not known from the Ozarks. Ouachita's represent the northernmost extent of this species in AR. Common rangewide (Albritton 1981, ANHI 2003, Ball 1980, Bowler 1977, Crump 2003, Crump and others 2003A, 2003C, 2003D, 2003F, 2003P, Dellinger and Black 1938, Dowling 1957, Iverson 1979a, Killebrew 1982b, Lindeman 1996, Mahmoud 1967, Mahmoud 1968, Mahmoud 1969, Martin 1981, McAllister and others 1994c, Meshaka and others 1988c, Perkins 1928, Schwaradt 1938, Taylor 1935, Tinkle 1958a, Trauth and others 2004, USDA FS 1999, Vance 1985, Wilson 1995). | | | |
| | Ouachita Rivers and Streams | | |

Table E.4 Ouachita National Forest Current Condition and Rank of Terrestrial Species' Associated Communities and/or Habitat Elements

| Ouachita Pine-Oak Forest | | Weighted Viability Score* 2.06 - |
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| Fair | | |
| <p>Key Factor Name: Areal Extent Weighted Viability Score* 2.00</p> <p>Key Factor Description: Percent of pine-oak systems in forested condition</p> | <p>Indicator Name: Areal Extent Indicator Value: 71% Indicator Weight: 2 Current Status: Fair Poor Level: <40 or >65 Fair Level: 40-44 Good Level: 45-49 or 61-65 Very Good Level: 50-60</p> <p>Description: Percent of pine-oak systems in forested condition</p> | |
| <p>Key Factor Name: Canopy Closure Weighted Viability Score* 4.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: 97.5 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 70% (BA 60 or greater).</p> | |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.50</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Frequency Indicator Value: 17.4 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> | |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 42.4 Indicator Weight: 1 Current Status: Good Poor Level: <20 Fair Level: 20-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> | |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 1.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 2.33 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> | |
| <p>Key Factor Name: Vertical Structure Weighted Viability Score* 2.17</p> <p>Key Factor Description: The amounts and arrangement of early seral, immature and mature stands in Ouachita Pine-Oak Forest.</p> | <p>Indicator Name: Late Seral (Immature & Mature Sawtimber) Indicator Value: 68.9 (688,029 of 998,951 acres) Indicator Weight: 2 Current Status: Good Poor Level: <50 or >95 Fair Level: 50-60 or 91-95 Good Level: 60-70 or 81-90 Very Good Level: 70-80</p> <p>Description: Average percent of all known acres of Ouachita Pine-Oak Forest vegetation classification system that are in the mature (sawtimber) condition.</p> | |
| | <p>Indicator Name: Mid-Seral (Poletimber) Indicator Value: 28.6 (285,597 of 998,951 acres) Indicator Weight: 1 Current Status: Very Good Poor Level: <5 or >45 Fair Level: 5-10 or 40-45 Good Level: 10-15 or 30-40 Very Good Level: 15-30</p> <p>Description: Average percent of all known acres of Ouachita Pine-Oak Forest vegetation classification system that are in the immature (poletimber) condition.</p> | |
| | <p>Indicator Name: Early Seral (Grass/Forb & Seedling/Sapling) Indicator Value: 2.48 (24,765 of 998,951 acres) Indicator Weight: 3 Current Status: Poor Poor Level: <4 or >20 Fair Level: 4-6 or 15-20 Good Level: 6-7 or 13-14 Very Good Level: 8-12</p> <p>Description: Average percent of all known acres of Ouachita Pine-Oak Forest vegetation classification system that are in regeneration (grass/forb), seedling or non-stocked condition.</p> | |
| Ouachita Pine-Oak Woodland | | Weighted Viability Score* 2.11 - Fair |
| <p>Key Factor Name: Areal Extent Weighted Viability Score* 3.00</p> <p>Key Factor Description: Percent of pine-oak systems in or dedicated to restored pine-oak woodland condition.</p> | <p>Indicator Name: Areal Extent Indicator Value: 23.4 Indicator Weight: 2 Current Status: Good Poor Level: <15 or >50 Fair Level: 15-19 or 46-50 Good Level: 20-25 or 41-45 Very Good Level: 25-40</p> <p>Description: Percent of pine-oak systems in or dedicated to restored pine-oak woodland condition.</p> | |

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|---|--|
| <p>Key Factor Name: Canopy Closure Weighted Viability Score* 3.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: 67.3 Indicator Weight: 2 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure ranging between 40-80% (BA 40-60).</p> |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.25</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species.</p> | <p>Indicator Name: Fire Frequency Indicator Value: 3.2 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> <hr/> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 23.8 Indicator Weight: 1 Current Status: Fair Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: Percent total herbaceous ground coverage Weighted Viability Score* 2.00</p> <p>Key Factor Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> | <p>Indicator Name: Percent total herbaceous ground coverage Indicator Value: 32.7 Indicator Weight: 2 Current Status: Fair Poor Level: <25 Fair Level: 25-40 Good Level: 41-75 Very Good Level: >75</p> <p>Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 2.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 1.89 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: Vertical Structure Weighted Viability Score* 2.17</p> <p>Key Factor Description: The amounts and arrangement of early seral, immature and mature stands in Ouachita Pine-Oak Woodland.</p> | <p>Indicator Name: Early Seral (Grass/Forb & Seedling/Sapling) Indicator Value: 0 (0 of 255,392 acres) Indicator Weight: 3 Current Status: Poor Poor Level: <4 or >20 Fair Level: 4-6 or 15-20 Good Level: 6-7 or 13-14 Very Good Level: 8-12</p> <p>Description: Young trees with herbaceous groundcover. Average percent of all known acres of Ouachita Pine-Oak Woodland vegetation classification system that are in regeneration (grass/forb), seedling or non-stocked condition.</p> <hr/> <p>Indicator Name: Mid-Seral (Poletimber) Indicator Value: 18.3 (46,737 of 255,392 acres) Indicator Weight: 1 Current Status: Very Good Poor Level: <5 or >45 Fair Level: 5-10 or 40-45 Good Level: 10-15 or 30-40 Very Good Level: 15-30</p> <p>Description: Mid-seral trees with herbaceous groundcover. Average percent of all known acres of Ouachita Pine-Oak Woodland vegetation classification system that are in the immature (poletimber) condition.</p> <hr/> <p>Indicator Name: Late Seral (Immature & Mature Sawtimber) Indicator Value: 81.7 (208,655 of 255,392 acres) Indicator Weight: 2 Current Status: Good Poor Level: <50 or >95 Fair Level: 50-60 or 91-95 Good Level: 60-70 or 81-90 Very Good Level: 70-80</p> <p>Description: Mature trees with herbaceous groundcover. Average percent of all known acres of Ouachita Pine-Oak Woodland vegetation classification system that are in the mature (sawtimber) condition.</p> |

| Ouachita Pine/Bluestem Woodland and Guild Habitat | | Weighted Viability Score* 2.61 - Good |
|---|--|---------------------------------------|
| <p>Key Factor Name: Areal Extent Weighted Viability Score* 3.00</p> <p>Key Factor Description: Percent of pine-oak systems in or dedicated to restored pine-bluestem woodland condition-MA22.</p> | <p>Indicator Name: Areal Extent Indicator Value: 14.3 Indicator Weight: 2 Current Status: Good Poor Level: <5 or >30 Fair Level: 5-10 or 31-35 Good Level: 11-15 or 26-30 Very Good Level: 15-25</p> <p>Description: Percent of pine-oak systems in or dedicated to restored pine-bluestem woodland condition-MA22</p> | |
| <p>Key Factor Name: Canopy closure Weighted Viability Score* 2.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: 31 Indicator Weight: 2 Current Status: Fair Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure ranging between 40-60% (BA 40-60).</p> | |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 4.00</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Frequency Indicator Value: 83.9 Indicator Weight: 3 Current Status: Very Good</p> <p>Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> | |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 77.7 Indicator Weight: 1 Current Status: Very Good Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> | |
| <p>Key Factor Name: Percent total herbaceous ground coverage Weighted Viability Score* 2.00</p> <p>Key Factor Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> | <p>Indicator Name: Percent total herbaceous ground coverage Indicator Value: 28.4 Indicator Weight: 2 Current Status: Fair Poor Level: <25 Fair Level: 25-40 Good Level: 41-75 Very Good Level: >75</p> <p>Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> | |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 1.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 2.06 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> | |
| <p>Key Factor Name: Vertical Structure Weighted Viability Score* 2.50</p> <p>Key Factor Description: The amounts and arrangement of early seral, immature and mature stands in Ouachita Pine/Blue-stem Woodland and Guild Habitat.</p> | <p>Indicator Name: Mid-Seral (Poletimber) Indicator Value: 32 (18,308 of 57,214 acres) Indicator Weight: 1 Current Status: Poor Poor Level: <10 or >40 Fair Level: 10-14 or 31-40 Good Level: 15-20 or 25-30 Very Good Level: 20-25</p> <p>Description: Mid-seral trees with herbaceous groundcover. Average percent of all known acres of Ouachita Pine/Blue-stem Woodland vegetation classification system that are in the immature (poletimber) condition.</p> | |
| | <p>Indicator Name: Late Seral (Immature & Mature Sawtimber) Indicator Value: 66 (37,761 of 57,214 acres) Indicator Weight: 2 Current Status: Very Good Poor Level: <30 or >95 Fair Level: 31-60 or 91-95 Good Level: 60-65 or 75-90 Very Good Level: 65-75</p> <p>Description: Mature trees with herbaceous groundcover and minimal midstory. Average percent of all known acres of Ouachita Pine/Blue-stem Woodland vegetation classification system that are in the mature (sawtimber) condition.</p> | |

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| | <p>Indicator Name: Early Seral (Grass/Forb & Seedling/Sapling) Indicator Value: 2 (1,144 of 57,214 acres) Indicator Weight: 3 Current Status: Fair Poor Level: <2 or >12 Fair Level: 2-3 or 9-12 Good Level: 3-4 or 8-9 Very Good Level: 5-7</p> <p>Description: Young trees with herbaceous groundcover. Average percent of all known acres of Ouachita Pine/Blue-stem Woodland and Guild Habitat vegetation classification system that are in regeneration (grass/forb), seedling or non-stocked condition.</p> |
| Ouachita Dry-Mesic Oak Forest | |
| Weighted Viability Score* 1.64 - Poor | |
| <p>Key Factor Name: Canopy closure Weighted Viability Score* 4.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: 99.2 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 70 or greater).</p> |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.25</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species.</p> | <p>Indicator Name: Fire Frequency Indicator Value: 11.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 34.8 Indicator Weight: 1 Current Status: Fair Poor Level: <25 Fair Level: 26-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is resumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 2.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 1.07 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: Vertical Structure Weighted Viability Score* 1.00</p> <p>Key Factor Description: The amounts and arrangement of early seral, immature and mature stands in Ouachita Dry-Mesic Oak Forest.</p> | <p>Indicator Name: Mid-Seral (Poletimber) Indicator Value: 52.1 (120,583 of 231,446 acres) Indicator Weight: 1 Current Status: Poor Poor Level: <10 or >45 Fair Level: 10-15 or 35-45 Good Level: 15-20 or 30-35 Very Good Level: 20-30</p> <p>Description: average percent of all known acres of Ouachita Dry-Mesic Oak Forest vegetation classification system that are in the immature (poletimber) condition.</p> <p>Indicator Name: Late Seral (Immature & Mature Sawtimber) Indicator Value: 47.1 (109,011 of 231,446 acres) Indicator Weight: 2 Current Status: Poor Poor Level: <50 or >95 Fair Level: 50-60 or 91-95 Good Level: 60-70 or 81-90 Very Good Level: 70-80</p> <p>Description: Average percent of all known acres of Ouachita Dry-Mesic Oak Forest vegetation classification system that are in the mature (sawtimber) condition.</p> <p>Indicator Name: Early Seral (Grass/Forb & Seedling/Sapling) Indicator Value: 0.79 (1,828 of 231,446 acres) Indicator Weight: 3 Current Status: Poor Poor Level: <2 or >14 Fair Level: 2-4 or 10-14 Good Level: 7-10 Very Good Level: 4-6</p> <p>Description: Average percent of all known acres of Ouachita Dry-Mesic Oak Forest vegetation classification system that are in regeneration (grass/forb), seedling or non-stocked condition.</p> |
| Ouachita Mesic Hardwood Forest and Guild Habitat | |
| Weighted Viability Score* 2.5 - Fair | |

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| <p>Key Factor Name: Canopy closure Weighted Viability Score* 4.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: 98 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 70 or greater).</p> |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.50</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Frequency Indicator Value: 0.3 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 25-35 year interval</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 57.3 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn, it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 3.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 0.80 Indicator Weight: 2 Current Status: Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Ouachita Dry Oak Woodland Weighted Viability Score* 1.17 - Poor</p> | |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.50</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species.</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 65.6 Indicator Weight: 1 Current Status: Good Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 22.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval</p> |
| <p>Key Factor Name: Percent total herbaceous ground coverage Weighted Viability Score* 1.00</p> <p>Key Factor Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> | <p>Indicator Name: Percent total herbaceous ground coverage Indicator Value: 23.8 Indicator Weight: 2 Current Status: Poor Poor Level: <25 Fair Level: 25-40 Good Level: 41-75 Very Good Level: >75</p> <p>Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 1.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 2.02 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: Vertical Structure Weighted Viability Score* 1.00</p> <p>Key Factor Description: The amounts and arrangement of early seral, immature and mature stands in Ouachita Dry Oak Woodland.</p> | <p>Indicator Name: Late Seral (Immature & Mature Sawtimber) Indicator Value: 22.0% (1,045 of 4,670 acres) Indicator Weight: 2 Current Status: Poor Poor Level: <50 or >95 Fair Level: 50-60 or 91-95 Good Level: 60-70 or 81-90 Very Good Level: 70-80</p> <p>Description: Average percent of all known acres of Ouachita Dry Oak Woodland vegetation classification system that are in the mature (sawtimber) condition.</p> |

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| | <p>Indicator Name: Mid-Seral (Poletimber) Indicator Value: 76.3% (3,630 of 4,670 acres) Indicator Weight: 1 Current Status: Poor Poor Level: <10 or >45 Fair Level: 10-15 or 35-45 Good Level: 15-20 or 30-35 Very Good Level: 20-30</p> <p>Description: Average percent of all known acres of Ouachita Dry Oak Woodland vegetation classification system that are in the immature (poletimber) condition.</p> |
| | <p>Indicator Name: Early Seral (Grass/Forb & Seedling/Sapling) Indicator Value: 1.8% (85 of 4,670 acres) Indicator Weight: 3 Current Status: Poor Poor Level: <2 or >14 Fair Level: 2-4 or 10-14 Good Level: 7-10 Very Good Level: 4-6</p> <p>Description: Average percent of all known acres of Ouachita Dry Oak Woodland vegetation classification system that are in regeneration (grass/forb), seedling or non-stocked condition.</p> |
| Ouachita Montane Oak Forest | |
| Weighted Viability Score* 2 - Fair | |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.50</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 67.7 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 26-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 1.7 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 10 year interval.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 3.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 0.75 Indicator Weight: 2 Current Status: Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| Central Interior Acidic Cliff and Talus | |
| Weighted Viability Score* 2 - Fair | |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.50</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species.</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 52.7 Indicator Weight: 1 Current Status: Good Poor Level: <30 or >90 Fair Level: 30-50 or 86-90 Good Level: 51-70 or 81-85 Very Good Level: 71-80</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 3.6 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences plus 100 meter buffer burned per 5-7 year interval.</p> |
| <p>Key Factor Name: Remoteness</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 0.91 Indicator Weight: 2 Current Status: Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |

| Central Interior Highlands Dry Acidic Glade and Barrens | | Weighted Viability Score* 1.33 - Poor |
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| <p>Key Factor Name: Fire Regime Weighted Viability Score* 1.50</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 57.3 Indicator Weight: 1 Current Status: Good Poor Level: <30 or >90 Fair Level: 30-50 or 86-90 Good Level: 51-70 or 81-85 Very Good Level: 71-80</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> | |
| | <p>Indicator Name: Fire Frequency Indicator Value: 23.8 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences plus 100 meter buffer burned per 5-10 year interval.</p> | |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 1.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 2.51 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> | |
| Southern Arkansas Calcareous Prairie | | Weighted Viability Score* 3.33 – Very Good |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 3.00</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Frequency Indicator Value: 55 Indicator Weight: 3 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> | |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 60 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> | |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 4.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 0 Indicator Weight: 2 Current Status: Very Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> | |
| Forested-Dense or Semi-open Pine Guild Habitat | | Weighted Viability Score* 2.18 - Fair |
| <p>Key Factor Name: CES202.313 OZARK-OUACHITA PINE-OAK FOREST Weighted Viability Score* 1.57</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 2.33 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> | |
| | <p>Indicator Name: Canopy Closure Indicator Value: 93 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 70% (BA 60 or greater).</p> | |

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| | <p>Indicator Name: Fire Frequency Indicator Value: 17.4 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 42.4 Indicator Weight: 1 Current Status: Good Poor Level: <20 Fair Level: 20-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: CES203.378 WEST GULF COASTAL PLAIN PINE-HARDWOOD FOREST Weighted Viability Score* 2.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Canopy Closure Indicator Value: 93 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 70% (BA 60 or greater).</p> <p>Indicator Name: Fire Frequency Indicator Value: 6.3 Indicator Weight: 3 Current Status: Poor Poor Level: >25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 53.2 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> <p>Indicator Name: Road Density Indicator Value: 2.39 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: Ouachita Pine/Bluestem Woodland and Guild Habitat</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Canopy Closure Indicator Value: 31 Indicator Weight: 2 Current Status: Fair Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure ranging between 40-60% (BA 40-60).</p> <p>Indicator Name: Fire Frequency Indicator Value: 2.7 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> <p>Indicator Name: Road Density Indicator Value: 2.06 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> <p>Indicator Name: Percent total herbaceous ground coverage Indicator Value: 100 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-40 Good Level: 41-75 Very Good Level: >75</p> <p>Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> |

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| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 77.7 Indicator Weight: 1 Current Status: Very Good Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> <p>Indicator Name: Percent Pine/Bluestem Indicator Value: 5.2* Indicator Weight: 2 Current Status: Fair Poor Level: <4 or >25 Fair Level: 4-6 or 21-25 Good Level: 7-9 or 16-20 Very Good Level: 10-15</p> <p>Description: Percent of all known pine-oak dominated systems known to be in pine-bluestem condition.</p> |
| Forested-Dry Upland Hardwood & Hardwood/Pine Guild Weighted Viability Score* 2.15 - Fair | |
| <p>Key Factor Name: CES202.306 OUACHITA MONTANE OAK FOREST Weighted Viability Score* 2.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 0.75 Indicator Weight: 2 Current Status: Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> <p>Indicator Name: Fire Frequency Indicator Value: 1.7 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 10 year interval.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 67.7 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 26-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: CES202.313 OZARK-OUACHITA PINE-OAK FOREST Weighted Viability Score* 2.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Canopy Closure Indicator Value: 93 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 70% (BA 60 or greater).</p> <p>Indicator Name: Fire Frequency Indicator Value: 17.4 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 42.4 Indicator Weight: 1 Current Status: Good Poor Level: <20 Fair Level: 20-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> <p>Indicator Name: Road Density Indicator Value: 2.33 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES202.708 OZARK-OUACHITA DRY-MESIC OAK FOREST Weighted Viability Score* 2.13</p> | <p>Indicator Name: Canopy Closure Indicator Value: 93 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 70 or greater).</p> |

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| <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Frequency Indicator Value: 11.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 34.8 Indicator Weight: 1 Current Status: Fair Poor Level: <25 Fair Level: 26-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Road Density Indicator Value: 1.07 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Oak Woodlands Guild Habitat Weighted Viability Score* 2.22 - Fair</p> | |
| <p>Key Factor Name: CES202.314 OUACHITA NOVACULITE GLADE AND WOODLAND Weighted Viability Score* 2.50</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 82.8 Indicator Weight: 1 Current Status: Very Good Poor Level: <25 Fair Level: 26-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Road Density Indicator Value: 0 Indicator Weight: 2 Current Status: Very Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 0.3 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences plus 100 meter buffer burned per 3-5 year interval.</p> |
| <p>Key Factor Name: CES202.707 OZARK-OUACHITA DRY OAK WOODLAND Weighted Viability Score* 1.25</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 65.6 Indicator Weight: 1 Current Status: Good Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 22.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| | <p>Indicator Name: Road Density Indicator Value: 2.02 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |

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| | <p>Indicator Name: Percent total herbaceous ground coverage Indicator Value: 23.7 Indicator Weight: 2 Current Status: Poor Poor Level: <25 Fair Level: 25-40 Good Level: 41-75 Very Good Level: >75</p> <p>Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> |
| Forested-Bottomland Hardwood Guild Habitat Weighted Viability Score* 1.8 - Fair | |
| <p>Key Factor Name: CES202.703 OZARK-OUACHITA RIPARIAN Weighted Viability Score* 2.50</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Canopy Closure Indicator Value: >80 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 60 or greater).</p> <hr/> <p>Indicator Name: Road Density Indicator Value: 2.57 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES202.705 SOUTH-CENTRAL INTERIOR LARGE FLOODPLAIN Weighted Viability Score* 4.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Canopy Closure Indicator Value: >80 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 60 or greater).</p> <hr/> <p>Indicator Name: Road Density Indicator Value: 0 Indicator Weight: 2 Current Status: Very Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES203.487 WEST GULF COASTAL PLAIN SMALL STREAM AND RIVER FOREST Weighted Viability Score* 3.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Canopy Closure Indicator Value: >80 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 60 or greater).</p> <hr/> <p>Indicator Name: Road Density Indicator Value: 1.12 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES203.548 WEST GULF COASTAL PLAIN WET HARDWOOD FLATWOODS Weighted Viability Score* 1.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 0 Indicator Weight: 1 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is resumed that restoration, maintenance, fuel- reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> <hr/> <p>Indicator Name: Fire Frequency Indicator Value: 0 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 25-35 year interval.</p> <hr/> <p>Indicator Name: Road Density Indicator Value: 2.39 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |

| Grass/Forb Guild Habitat | Weighted Viability Score* 1.56 - Poor |
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| <p>Key Factor Name: CES202.313 OZARK-OUACHITA PINE-OAK FOREST Weighted Viability Score* 1.33</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 42.4 Indicator Weight: 1 Current Status: Good Poor Level: <20 Fair Level: 20-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> <p>Indicator Name: Road Density Indicator Value: 2.33 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> <p>Indicator Name: Fire Frequency Indicator Value: 17.4 Indicator Weight: 3 Current Status: Poor Poor Level: 25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| <p>Key Factor Name: CES202.707 OZARK-OUACHITA DRY OAK WOODLAND Weighted Viability Score* 1.25</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Frequency Indicator Value: 22.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> <p>Indicator Name: Road Density Indicator Value: 2.02 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 65.6 Indicator Weight: 1 Current Status: Good Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> <p>Indicator Name: Percent total herbaceous ground coverage Indicator Value: 23.8 Indicator Weight: 2 Current Status: Poor Poor Level: <25 Fair Level: 25-40 Good Level: 41-75 Very Good Level: >75</p> <p>Description: Average percent total native herbaceous ground cover across all known potential occurrences. Density must be sufficient to carry growing season fire at least once every five years. Composition should include only native species.</p> |
| <p>Key Factor Name: CES202.708 OZARK-OUACHITA DRY-MESIC OAK FOREST Weighted Viability Score* 1.50</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 1.07 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 34.8 Indicator Weight: 1 Current Status: Fair Poor Level: <25 Fair Level: 26-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |

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| | <p>Indicator Name: Fire Frequency Indicator Value: 11.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| <p>Key Factor Name: CES203.378 WEST GULF COASTAL PLAIN PINE-HARDWOOD FOREST Weighted Viability Score* 1.33</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 2.39 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 53.2 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 6.3 Indicator Weight: 3 Current Status: Poor Poor Level: >25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> |
| <p>Shrubland Guild Habitat Weighted Viability Score* 2.07 - Fair</p> | |
| <p>Key Factor Name: CES202.313 OZARK-OUACHITA PINE-OAK FOREST Weighted Viability Score* 1.33</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Frequency Indicator Value: 17.4 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| | <p>Indicator Name: Road Density Indicator Value: 2.33 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 42.4 Indicator Weight: 1 Current Status: Good Poor Level: <20 Fair Level: 20-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: CES202.703 OZARK-OUACHITA RIPARIAN Weighted Viability Score* 1.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 2.57 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES202.705 SOUTH-CENTRAL INTERIOR LARGE FLOODPLAIN Weighted Viability Score* 4.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 0 Indicator Weight: 2 Current Status: Very Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES202.707 OZARK-OUACHITA DRY OAK WOODLAND Weighted Viability Score* 1.33</p> | <p>Indicator Name: Road Density Indicator Value: 2.02 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> |

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| <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 22.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 65.6 Indicator Weight: 1 Current Status: Good Poor Level: 0-20 Fair Level: 21-40 Good Level: 41-70 Very Good Level: >70</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Key Factor Name: CES202.708 OZARK-OUACHITA DRY-MESIC OAK FOREST Weighted Viability Score* 1.50</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 1.07 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 34.8 Indicator Weight: 1 Current Status: Fair Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 11.9 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 5-7 year interval.</p> |
| <p>Key Factor Name: CES203.378 WEST GULF COASTAL PLAIN PINE-HARDWOOD FOREST Weighted Viability Score* 1.33</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Fire Frequency Indicator Value: 6.3 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 3-5 year interval.</p> |
| | <p>Indicator Name: Road Density Indicator Value: 2.39 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 53.2 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |

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| <p>Key Factor Name: CES203.487 WEST GULF COASTAL PLAIN SMALL STREAM AND RIVER FOREST Weighted Viability Score* 2.00</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 1.12 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| <p>Key Factor Name: CES203.548 WEST GULF COASTAL PLAIN WET HARDWOOD FLATWOODS Weighted Viability Score* 1.67</p> <p>Key Factor Description: The suitability of this ecological community to support the viability of associated species of concern.</p> | <p>Indicator Name: Road Density Indicator Value: 0.69 Indicator Weight: 2 Current Status: Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> <p>Indicator Name: Fire Frequency Indicator Value: 0 Indicator Weight: 3 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 25-35 year interval.</p> <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 0 Indicator Weight: 1 Current Status: Poor Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| <p>Snags Weighted Viability Score* 4 - Very Good</p> | |
| <p>Key Factor Name: Snag retention (Indiana Bat BO) Weighted Viability Score* 4.00</p> <p>Key Factor Description: Language from current forest standards and guides and Indiana bat BO.</p> | <p>Indicator Name: Snag retention Indicator Value: present Indicator Weight: 2 Current Status: Very Good Poor Level: absent Fair Level: absent Good Level: present Very Good Level: present</p> <p>Description: Where timber is harvested, retain or create at least two snags per acre, minimum 12-inch diameter at breast height (dbh) with an objective of 16-inch dbh or larger. Where naturally occurring snags of this size are unavailable or cannot be created, retain or create snags near the required size. Standing snags will not be felled, unless necessary for insect or disease control or to provide for safety.</p> |
| <p>Large Diameter Hollow Trees Weighted Viability Score* 4 - Very Good</p> | |
| <p>Key Factor Name: Retention of all known den trees Weighted Viability Score* 4.00</p> <p>Key Factor Description: Vegetation management treatments that allow for the retention of hollow or known den trees.</p> | <p>Indicator Name: Den retention Indicator Value: present Indicator Weight: 2 Current Status: Very Good Poor Level: absent Fair Level: absent Good Level: present Very Good Level: present</p> <p>Description: Where timber is harvested, retain or create at least two snags per acre, minimum 12-inch diameter at breast height (dbh) with an objective of 16-inch dbh or larger. Where naturally occurring snags of this size are unavailable or cannot be created, retain or create snags near the required size. Standing snags will not be felled, unless necessary for insect or disease control or to provide for safety.</p> |
| <p>Large Trees near Water Weighted Viability Score* 4 - Very Good</p> | |
| <p>Key Factor Name: Mature Forest Component Weighted Viability Score* 4.00</p> <p>Key Factor Description: Prominent, super-emergent trees (greater than 30 inch diameter at breast height) within the riparian corridors of lakes or large rivers.</p> | <p>Indicator Name: No-activity protection zone Indicator Value: present Indicator Weight: 2 Current Status: Very Good Poor Level: absent Fair Level: absent Good Level: present Very Good Level: present</p> <p>Description: MA 9-Streamside Management Area Protective Buffer</p> |
| <p>Ouachita Riparian Weighted Viability Score* 2.5 - Fair</p> | |
| <p>Key Factor Name: Canopy Closure Weighted Viability Score* 4.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: >80 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 60 or greater).</p> |

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| <p>Key Factor Name: Disturbance Policy Weighted Viability Score* 4.00</p> <p>Key Factor Description: Ouachita NF policy regarding new timber harvest, new road construction, new recreational facilities, and other new man-made disturbances within a minimum of 100 feet of known streams, rivers, lakes and ponds. Exceptions may be allowed where/when disturbances are necessary to enhance the viability of plant and animal species and their habitats.</p> | <p>Indicator Name: No-Activity Zone Indicator Value: 100 Indicator Weight: 2 Current Status: Very Good Poor Level: <100 Fair Level: <100 Good Level: 100 Very Good Level: 100</p> <p>Description: Percent of all known riparian areas covered by "No-Activity Zone" policy. "No-Activity Zone": Ouachita NF policy regarding new timber harvest, new road construction, new recreational facilities, and other man-made disturbances within a minimum of 100 feet of known streams, rivers, lakes and ponds. Exceptions may be allowed where/when disturbances are necessary to enhance the viability of plant and animal species and their habitats.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 1.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 2.57 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: .5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| South-Central Interior Large Floodplain | |
| Weighted Viability Score* 4 - Very Good | |
| <p>Key Factor Name: Canopy Closure Weighted Viability Score* 4.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: >80 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 60 or greater).</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 4.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 0 Indicator Weight: 2 Current Status: Very Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| West Gulf Coastal Plain Small Stream/River Forest | |
| Weighted Viability Score* 3 - Good | |
| <p>Key Factor Name: Canopy Closure Weighted Viability Score* 4.00</p> <p>Key Factor Description: Combination of stem density, basal area and extent of canopy cover, with intermittent closure as ideal (Surrogate for Horizontal Structure).</p> | <p>Indicator Name: Canopy Closure Indicator Value: >80 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of the spatial extent of all known occurrences with a percent canopy closure of greater than 80% (BA 60 or greater).</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 2.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 1.12 Indicator Weight: 2 Current Status: Fair Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| West Gulf Coastal Plain Wet Hardwood Flatwoods (Red Slough) | |
| Weighted Viability Score* 3 - Good | |
| <p>Key Factor Name: Fire Regime Weighted Viability Score* 3.00</p> <p>Key Factor Description: Fire Return Interval and Seasonality, including landscape-scale fire in surrounding/adjacent habitats to prevent woody encroachment and allow for distribution and dispersal of obligate species</p> | <p>Indicator Name: Fire Seasonality/Intensity Indicator Value: 55 Indicator Weight: 1 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of burned areas burned during either March/April or Aug/Sept, or from leaf-expansion to leaf-fall, depending on project-level goals. In some but not all cases, seasonality is an accurate surrogate for intensity. Since intensity goals will vary from burn to burn it is difficult to "pre-quantify" ideal intensity objectives at a forest-wide scale. It is presumed that restoration, maintenance, fuel-reduction and other prescribed fire goals will be considered at the project level when planning burn intensity.</p> |
| | <p>Indicator Name: Fire Frequency Indicator Value: 65 Indicator Weight: 3 Current Status: Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Average percent of all known occurrences burned per 25-35 year interval.</p> |

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| <p>Key Factor Name: Remoteness Weighted Viability Score* 3.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 0.69 Indicator Weight: 2 Current Status: Good Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| Ouachita Mountain Forested Seep Weighted Viability Score* 2.5 - Fair | |
| <p>Key Factor Name: No-Activity Protection Zone Weighted Viability Score* 4.00</p> <p>Key Factor Description: 100 foot zone of no-activity by ALRMP</p> | <p>Indicator Name: Spatial extent of buffer Indicator Value: 100 Indicator Weight: 2 Current Status: Very Good Poor Level: <50 Fair Level: 50-99 Good Level: 100 Very Good Level: >100</p> <p>Description: Spatial extent of the buffer in feet from edge.</p> |
| <p>Key Factor Name: Remoteness Weighted Viability Score* 1.00</p> <p>Key Factor Description: Mean density of roads (miles per square mile) within this community type at the landscape scale.</p> | <p>Indicator Name: Road Density Indicator Value: 4.05 Indicator Weight: 2 Current Status: Poor Poor Level: >2 Fair Level: 1-2 Good Level: 0.5-1 Very Good Level: <0.5</p> <p>Description: Average number of road miles per square mile across all known occurrences of this target.</p> |
| Seeps with Minimal Woody Vegetation Weighted Viability Score* 3.5 - Very Good | |
| <p>Key Factor Name: Percent herbaceous groundcover Critical 0.01 - 23.07 Weighted Viability Score* 3.50</p> <p>Key Factor Description: Where burrowing crayfish occur, the percent of the site dominated by herbaceous groundcover with minimal woody vegetation that would interfere with burrowing efforts.</p> | <p>Indicator Name: Site Hydrology Indicator Value: 85% Indicator Weight: 2 Current Status: Good Poor Level: <40 Fair Level: 40-60 Good Level: 70-90 Very Good Level: >90</p> <p>Description: Percent of the area that is inundated or saturated during the fall and spring wet season.</p> |
| | <p>Indicator Name: Percent herbaceous groundcover with minimal woody plants Indicator Value: >90 Indicator Weight: 2 Current Status: Very Good Poor Level: <60 Fair Level: 60-70 Good Level: 70-80 Very Good Level: >90</p> <p>Description: The percent of the ground that is primarily herbaceous groundcover in areas where burrowing crayfish occur.</p> |
| Ouachita Ponds, Lakes and Water Holes Weighted Viability Score* 4 - Very Good | |
| <p>Key Factor Name: Fish-free Ponds Weighted Viability Score* 4.00</p> <p>Key Factor Description: Ponds, waterholes, and seasonal wetlands where the introduction of fish is prohibited and, in cases where accidental introductions have occurred, fish are removed.</p> | <p>Indicator Name: Fish Exclusion Policy Indicator Value: 100 Indicator Weight: 2 Current Status: Very Good Poor Level: <25 Fair Level: 25-50 Good Level: 51-75 Very Good Level: >75</p> <p>Description: Percent of all known occurrences of water bodies less than .5 acres protected by fish exclusion policy.</p> |
| <p>Key Factor Name: No Activity Zone Weighted Viability Score* 4.00</p> <p>Key Factor Description: Plan Language & Trauth language</p> | <p>Indicator Name: No-Activity Zone Indicator Value: Current plan only Indicator Weight: 2 Current Status: Very Good Poor Level: absent Fair Level: absent Good Level: present Very Good Level: present</p> <p>Description: 100-Foot no-activity zone.</p> |
| Ouachita Rivers and Streams Weighted Viability Score* 3.5 - Very Good | |
| <p>Key Factor Name: Hydrological Modifications Weighted Viability Score* 3.00</p> <p>Key Factor Description: Forestwide mean per HUC of the average of the ranks of Dam Density, Crossing Density & Watershed Road Density per square mile.</p> | <p>Indicator Name: Hydrological Modification Indicator Value: 3.3 Indicator Weight: 2 Current Status: Good Poor Level: 1-1.9 Fair Level: 2.0-2.9 Good Level: 3.0-3.9 Very Good Level: >4</p> <p>Description: Forestwide mean per HUC of the average of the ranks of Dam Density, Crossing Density & Watershed Road Density per square mile.</p> |
| <p>Key Factor Name: Land Use Weighted Viability Score* 4.00</p> <p>Key Factor Description: The effects of land use (agriculture, urbanization, forestry practices, etc.) and roads on aquatic communities expressed as: Percent increase in current and future sediment rates over geological sediment rates.</p> | <p>Indicator Name: Sediment Indicator Value: 738.53 Indicator Weight: 2 Current Status: Very Good Poor Level: >2693 Fair Level: >2693 Good Level: 1347-2693 Very Good Level: <1347</p> <p>Description: The effects of land use (agriculture, urbanization, forestry practices, etc.) and roads on aquatic communities expressed as: Percent increase in current and future sediment rates over geological sediment rates.</p> |

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| <p>Key Factor Name: Point Source Weighted Viability Score* 3.00</p> <p>Key Factor Description: Forestwide mean per HUC of the number of Point Source Pollution permits per square mile.</p> | <p>Indicator Name: Point Source Indicator Value: 0.108 Indicator Weight: 2 Current Status: Good Poor: 0.465-0.297 Fair: 0.296-0.184 Good: 0.183-0.036 Very Good Level: <0.036</p> <p>Description: Forestwide mean per HUC of the number of Point Source Pollution permits per square mile.</p> |
| <p>Key Factor Name: Riparian Health Weighted Viability Score* 3.00</p> <p>Key Factor Description: Forestwide mean per HUC of the average of the ranks of Riparian Road Density & Percent Riparian Forested per square mile.</p> | <p>Indicator Name: Riparian Health Indicator Value: 3.41 Indicator Weight: 2 Current Status: Good Poor Level: 1-1.9 Fair Level: 2.0-2.9 Good Level: 3.0-3.9 Very Good Level: >4</p> <p>Description: Forestwide mean per HUC of the average of the ranks of Riparian Road Density & Percent Riparian Forested per square mile.</p> |

Table E.5 Regional Forester’s Invasive Exotic Plant Species List for the Ouachita National Forest

Threat Categorization and Regional Direction for Exotic, Invasive Plants in the Southern Region

Category 1 Species

These are exotic plant species that are known to be invasive and persistent throughout all or most of their range within the Southern Region. They can spread into and persist in native plant communities and displace native plant species and therefore pose a demonstrable threat to the integrity of the natural plant communities in the Region. The use of Category 1 Species is prohibited on National Forest System Lands. Cooperators and Partners may not establish or encourage Category 1 Species for any reason in projects that receive Forest Service funding except in the furtherance of projects, Memorandum of Understandings (MOUs), and Memorandum of Agreements (MOAs) that were in effect on the date of issuance of the Regional Exotic Invasive Plant Species List, or as required for scientific studies designed to further knowledge about invasive species. Efforts to control Category 1 Species are encouraged where practicable. Proposals for exotic, invasive plant species control will receive the highest funding priority when they include Category 1 Species, particularly where native plant communities are threatened. Select among the Category 1 species for the purposes of compliance with Contract Provisions that address “noxious” weeds (e.g., CT6.36, cf. 2430 Forest Products Director’s letter of 18 December 2000).

Category 2 Species

These are exotic plant species that are suspected to be invasive or are known to be invasive in limited areas of the Southern Region. Category 2 Species will typically persist in the environment for long periods once established and may become invasive under favorable conditions. Plant species in Category 2 pose a significant risk to the integrity of natural plant communities throughout the Region or in parts of the Region. The establishment or encouragement of Category 2 Species is prohibited in areas where ecological conditions would favor invasiveness and is discouraged elsewhere. Projects that use Category 2 Species should document why no other (noninvasive exotic or native) species will serve the purpose and need. Cooperators and Partners are also discouraged from using Category 2 Species. The Forest botanist, plant ecologist, or Forest noxious weed coordinator (or Regional specialists) should be consulted for alternative native or non-invasive exotic species that would serve the purpose and need of the project. Control efforts for Category 2 Species may or may not be necessary to achieve the management objectives of the planning area.

Table E.5 Regional Forester’s Invasive Exotic Plant Species List for the Ouachita National Forest

| Scientific Name | Common Name(s) | Habitat | Comments | Category |
|--|---|---|---|----------|
| <i>Ailanthus altissima</i> | Tree of heaven | Canopy openings, roadsides, and open woods | Increasing Benefits from ground disturbance. Colonizes by root sprouts. Seeds are dispersed by wind and water. | 1 |
| <i>Albizia julibrissin</i> | Mimosa, Silktree | Roadsides, stream banks, canopy openings, old fields | Common Benefits from ground disturbance. Colonizes by root sprouts. Seeds are dispersed by animals and water. | 1 |
| <i>Allium vineale</i> | Wild garlic | Open fields, roadsides and glades | Common Benefits from ground disturbance. | 2 |
| <i>Alliaria petiolata</i> | Garlic mustard | Mesic woods, and floodplains | Not known to occur on the Ouachita NF at this time. Tolerates shade. Dispersed by hikers, vehicles, ATVs, & wildlife | 1 |
| <i>Arthraxon hispidus</i> | Carpgrass | Wet areas in pastures and prairies, roadside ditches, and along streams | Infrequent Benefits from ground disturbance. Does well on moist soils. Spread by mowing and ground disturbance. | 2 |
| <i>Bromus spp.</i> | Cheatgrass, brome grass, chess | Roadsides, glades, rocky open woodlands | Common Spread by mowing and ground disturbance. Native species in Arkansas are <i>B. pubescens</i> & <i>B. nottowayanus</i> . All others are potential invasives | 2 |
| <i>Carduus nutans</i> | Nodding thistle, musk thistle | Roadsides, glades, pastures, old fields | Common Spreading rapidly Likely spread by mowing and ground disturbance. | 2 |
| <i>Celastrus orbiculatus</i> | Oriental bittersweet | Forest edges, disturbed woods | Infrequent Likely to spread, probably dispersed by birds. | 1 |
| <i>Centaurea beibersteinii</i> (incl. <i>C. maculosa</i> and <i>C. stoebe</i>) | Spotted knapweed, Russian knapweed | Roadsides, glades, prairies, pastures, old fields | Common and spreading in Arkansas. Allelopathic properties. | 2 |
| <i>Cirsium vulgare</i> | Bull thistle | Roadsides, glades, prairies, pastures, old fields | Common Benefits from ground disturbance. | 2 |
| <i>Coronilla varia</i> | Crown vetch | Roadsides, | Common Competes with native species. | 2 |
| <i>Dioscorea batatas</i> (= <i>D. oppositifolia</i>) | Chinese yam | Riparian areas, roadsides and mesic sites | Spreading Competes with native species. | 1 |
| <i>Dioscorea bulbifera</i> | Air potato, | Riparian areas, roadsides and mesic sites | Spreading Competes with native species. | 1 |
| <i>Eichhornia crassipes</i> | Common water hyacinth | Aquatic | Infrequent Competes with native species. | 1 |
| <i>Elaeagnus spp.</i> (<i>E. umbellata</i> , <i>E. pungens</i> , <i>E. angustifolia</i>) | Russian olive, thorny olive, autumn olive | Forest edge, along streams | <i>E. umbellata</i> and <i>E. pungens</i> are naturalized widely in Arkansas. Both were planted for wildlife in the past | 1 |

| Scientific Name | Common Name(s) | Habitat | Comments | Category |
|---|---|---|--|----------|
| <i>Eragrostis curvula</i> | Weeping lovegrass | Roadsides, glades, rocky open areas | Planted along roadsides. Does well in thin soils. Invades glade for this reason. Spread by mowing. | 2 |
| <i>Euonymus fortunei</i> | Wintercreeper Euonymus | Mesic woods | Infrequent Covers ground (evergreen). Flowers & Fruits when it climbs trees. Seeds dispersed by birds. | 1 |
| <i>Hedera helix</i> | English ivy | Woods | Spreads from old plantings, home sites, etc. | 2 |
| <i>Hydrilla verticillata</i> | Waterthyme | Aquatic | Competes with native species. | 1 |
| <i>Lespedeza cuneata</i> | Sericea lespedeza | Roadsides, glades, prairies, pastures | Abundant Invades open habitat. Very difficult to eradicate | 1 |
| <i>Ligustrum sinense</i> (& <i>L. vulgare</i>) | Privet | Mesic woods, prairies, margins of glades, stream corridors | Major problem in Arkansas. Spread by birds. Can be controlled by cutting and treating stumps with herbicide | 1 |
| <i>Lolium arundinaceum</i> (a.k.a <i>Festuca arundinacea</i>) | Tall fescue | Roadsides, prairies, pastures, old fields | Invades prairies and is difficult to eradicate. Spread by mowing and water flow. | 1 |
| <i>Lonicera japonica</i> | Japanese honeysuckle | All habitats | Major problem in Arkansas. Competes with native vegetation in a variety of habitats. Repeated fire will control. | 1 |
| <i>Lonicera maackii</i> | Bush honeysuckle rub honeysuckle | Forest edge, mesic woods, dry woods, glades | Spreading Forms dense thickets. | 1 |
| <i>Lythrum salicaria</i> | Purple loosestrife | Wetlands | Known from Ozarks. Needs to be watched for. | 1 |
| <i>Kummerowia striata</i> (= <i>Lespedeza striata</i>) | Japanese clover | Forest edge, roadsides | Common Benefits from soil disturbance | 2 |
| <i>Melia azedarach</i> | Chinaberry | Forest edge, pastures, old fields | Scattered Seeds dispersed by birds. | 2 |
| <i>Microstegium vimineum</i> | Japanese stiltgrass, Nepalese browntop | Mesic woods, stream corridors | Spreading rapidly. Spread by water flow and mowing. Capable of displacing all native herbaceous vegetation on stream terraces. | 1 |
| <i>Pueraria montana</i> | Kudzu | Forest edges, roadsides, pastures, and adjacent areas | Common Seeds dispersed by wind, animals and water | 1 |
| <i>Rosa multiflora</i> | Multiflora rose | Forest edges, roadsides, clearings, pastures, old fields, prairies, canopy openings, stream corridors | Common Spreads from old plantings, home sites, etc. Seeds dispersal by birds. | 1 |
| <i>Sorghum halepense</i> | Johnson grass | Forest edge, roadsides, pastures, old fields, prairies, margins of glades | Common Benefits from soil disturbance | 1 |
| <i>Verbena brasiliensis</i> | Brazilian vervain | Forest edge, roadsides, pastures, old fields, prairies, glades | Common Benefits from soil disturbance | 1 |

| Scientific Name | Common Name(s) | Habitat | Comments | Category |
|---|------------------|---|---|----------|
| <i>Wisteria sinense</i> (& possibly <i>W. floribunda</i>) | Chinese wisteria | Forest edge, old fields, pastures, etc. | Spreads from old plantings, home sites, etc. Can kill trees, damage buildings, etc. | 2 |