



The following tables provide a list of all attributes assigned to the Riparian Conservation Opportunity Areas (RCOAs) (Table 1), Large Riparian Natural Areas (LRNAs) (Table 2), Potential Restoration Areas (PRAs) (Table 3), and Adjacent Areas developed by Natural Heritage New Mexico in collaboration with the National Wildlife Federation. These GIS layers were constructed from vegetation polygons in the [Upper Rio Grande Riparian Habitat Map version 2.4](#) (NM RipMap). Field Name refers to the coded variable name in the GIS feature class each of the tables are referencing.

**Table 1. RCOA Attributes**

| Field Name                  | Description  |
|-----------------------------|--|
| RCOA_ID                     | Unique RCOA identification number; links to LNRAs and PRAs   |
| RCOA_Rating                 | RCOA rating based on the RCOA_Rating Average   |
| RCOA_Average_Score          | Average of RCOA ratings based on following fields: <ul style="list-style-type: none"> <li>• RCOA_Size_Score</li> <li>• RCOA_PRA_pct_Score</li> <li>• RCOA_VegTypeDiversity_Score</li> <li>• RCOA_HighValueHabitat_Score</li> <li>• RCOA_SOC_Score</li> </ul> |
| RCOA_Size_Score             | RCOA rating based on the area of the RCOA in acres. Field: RCOA_Area_ac  |
| RCOA_PRA_pct_Score          | RCOA rating based on percent PRA   |
| RCOA_HighValueHabitat_Score | Habitat Value Rating based on percent of High Value Habitat.   |
| RCOA_VegTypeDiversity_Score | RCOA rating based on the RCOA Vegetation Type Diversity Index Values   |
| RCOA_SOC_Score              | Rating based on the highest value Species of Concern (animals and plants) hexagon that the RCOA intersects.  |
| RCOA_Area_ac                | Total RCOA Area in Acres   |

| Field Name            | Description  |
|-----------------------|--|
| RCOA_LRNA_Area_ac     | Sum of the areas of all Large Riparian Natural Areas (LNRAs) that comprise the given RCOA. |
| LRNA_per              | The percent of LRNA in the given RCOA  |
| RCOA_PRA_Area_ac      | Sum of the areas of all Potential Restoration Areas (PRAs) that comprise the given RCOA.   |
| RCOA_PRA_per          | The percent of PRA in the given RCOA   |
| RCOA_Adjacent_Area_ac | Sum of the areas of all Adjacent Areas that comprise the given RCOA.                       |
| RCOA_Adjacent_per     | The percent of Adjacent Area in a given RCOA   |

### Habitat Value Attributes

|                                 |  |
|---------------------------------|--|
| RCOA_HighValueForWetArea_ac     | Total forested wetland area in RCOA in acres. Vegetation classes include: <ul style="list-style-type: none"> <li>• Lowland Native Deciduous Riparian Forest</li> <li>• Montane Native Deciduous Riparian Forest</li> <li>• Montane Native Mixed Evergreen-Deciduous Riparian Forest</li> </ul> |
| RCOA_HighValueShrubWetArea_ac   | Total riparian shrub wetland area in RCOA in acres. Vegetation classes include: <ul style="list-style-type: none"> <li>• Lowland Wet Riparian Shrubland</li> <li>• Subalpine Montane Riparian Shrubland</li> </ul>   |
| RCOA_HighValueHerbWetArea_ac    | Total herbaceous wetland area in RCOA in acres. Vegetation classes include: <ul style="list-style-type: none"> <li>• Western Lowland Marsh</li> <li>• Subalpine and Montane Marsh</li> </ul>   |
| RCOA_HighValueHabitatAreaTot_ac | Total area of high value habitats in the given RCOA - High Value Habitat refers to the NM RipMap Units that consist of Native and Wet vegetation. Excluding Dry Riparian Habitat and Wet Meadows.  |
| RCOA_HighValueHabitatTot_pct    | High Value Habitat composition percentage of the RCOA  |

| Field Name   | Description   |
|--|---|
| <b>Diversity Attributes</b>                          |   |
| RCOA_VegTypeDiversityIndex                           | Shannon Diversity Index of RCOA using natural riparian vegetation community diversity as a measure of conservation value, Natural Vegetation being those community types used for building the LRNA's |
| RCOA_SOC_best  | The top value of the <i>Species of Concern</i> hexagon that the given RCOA intersects. See <a href="#">NM CHAT, Species of Concern (animals and plants) (SOC)</a> for more details on this layer.     |
| <b>NM RipMap vegetation composition percentages:</b> | Percent of this vegetation type in given RCOA   |
| RCOA_MontaneWetMeadow                                |   |
| RCOA_SubalpineMontaneRiparianShrubland               |   |
| RCOA_MontaneNativeDeciduousRiparianForest            |   |
| RCOA_MontaneDryRiparianShrubland                     |   |
| RCOA_MontaneNativeEvergreenRiparianForest            |   |
| RCOA_WesternLowlandNativeDeciduousRiparianForest     |   |
| RCOA_AridWestLowlandWetMeadow                        |   |
| RCOA_WesternLowlandMarsh                             |   |
| RCOA_LowlandNativeEvergreenDeciduousRiparianForest   |   |
| RCOA_LowlandDryRiparianShrubland                     |   |
| RCOA_LowlandWetRiparianShrubland                     |   |
| RCOA_MontaneNativeEvergreenDeciduousRiparianForest   |   |
| RCOA_SubalpineandMontaneMarsh                        |   |

| Field Name  | Description  |
|---|--|
| <b>Ownership Attributes</b>                           |  |
| Public_per  | Public ownership percent of RCOA. Sum of public land ownership that are occupied by a given RCOA. Including: <ul style="list-style-type: none"> <li>• United States Forest Service (USFS)</li> <li>• Bureau of Land Management (BLM)</li> <li>• National Park Service (NPS)</li> <li>• Department of Energy (DOE)</li> <li>• New Mexico Department of Game and Fish (NMDGF)</li> <li>• State Land – (SLO)</li> </ul> |
| Private_per   | Private ownership percent of RCOA, Which includes city, county and other privately, owned parcels.   |
| Tribal_per  | Tribal ownership percent of RCOA   |
| USFS_per  | Percent of RCOA with USFS  |
| BLM_per   | Percent of RCOA with BLM   |
| NPS_per   | Percent of RCOA with NPS   |
| DOE_per   | Percent of RCOA with DOE   |
| NMDGF_per   | Percent of RCOA with NMDGF   |
| StateLand_per   | Percent of RCOA with State Land  |
| <b>Counts and ID's of Elements that make up RCOAs</b> |  |
| LRNA_count  | The total count of LRNAs in RCOA   |
| LRNA_IDs  | The LRNA's in a given RCOA   |
| PRA_count   | The total count of PRAs in RCOA  |
| PRA_IDs   | The PRAs in a given RCOA   |
| Adjacent_Natural_Areas_count                          | The total count of Adjacent Areas in RCOA  |
| Adjacent_Natural_Areas_IDs                            | The Adjacent Areas in a given RCOA   |

**Table 2. LRNA Attributes**

| Field Name                                | Description  |
|---|--|
| LRNA_ID                                   | Unique identifier for LRNA   |
| LRNA_Area_ac                              | LRNA area in acres   |
| LRNA_SizeClass                            | LRNA rating based on area of LRNA Ratings. See Project Summary.  |
| LRNA_RCOA_ID                              | The RCOA ID the LRNA is associated with  |
| <b>Habitat Value/Diversity Attributes</b> |  |
| LRNA_VegTypeDiversityIndex                | Shannon Diversity Index of natural riparian vegetation community diversity as a measure of conservation value. Natural vegetation consists of the community types used to build the LRNA   |
| LRNA_VegTypeDiversityClass                | LRNA Veg Type Diversity Rating Based on Index Values. See Project Summary.   |
| LRNA_HighValueForestWetTotArea_ac         | Total forested wetland area in LRNA in acres. Vegetation classes include: <ul style="list-style-type: none"><li>• Lowland Native Deciduous Riparian Forest</li><li>• Montane Native Deciduous Riparian Forest</li><li>• Montane Native Mixed Evergreen-Deciduous Riparian Forest</li></ul> |
| LRNA_HighValueShrubWetTotArea_ac          | Total riparian shrub wetland area in LRNA in acres. Vegetation classes include: <ul style="list-style-type: none"><li>• Lowland Wet Riparian Shrubland</li><li>• Subalpine Montane Riparian Shrubland</li></ul>  |
| LRNA_HighValueHerbWetTotArea_ac           | Total herbaceous wetland area in LRNA in acres. Vegetation classes include: <ul style="list-style-type: none"><li>• Western Lowland Marsh</li><li>• Subalpine and Montane Marsh</li></ul>  |
| LRNA_TotalHighValueHabitatArea_ac         | Total area of high value habitats in the given LRNA - High Value Habitat refers to the NM RipMap Units that consist of Native and Wet vegetation. Excluding Dry Riparian Habitat and Wet Meadows.  |

| Field Name   | Description                               |
|--|---|
| <b>NM RipMap vegetation composition percentages:</b>   | Percent vegetation types for a given LRNA |
| LRNA_WesternLowlandMarsh_pct                           |   |
| LRNA_AridWestLowlandWetMeadow_pct                      |   |
| LRNA_WesternLowlandNativeDeciduousRiparianForest_pct   |   |
| LRNA_LowlandNativeEvergreenDeciduousRiparianForest_pct |   |
| LRNA_LowlandDryRiparianShrubland_pct                   |   |
| LRNA_LowlandWetRiparianShrubland_pct                   |   |
| LRNA_MontaneNativeEvergreenDeciduousRiparianForest_pct |   |
| LRNA_SubalpineMontaneRiparianShrubland_pct             |   |
| LRNA_MontaneDryRiparianShrubland_pct                   |   |
| LRNA_MontaneNativeEvergreenRiparianForest_pct          |   |
| LRNA_MontaneNativeDeciduousRiparianForest_pct          |   |
| LRNA_MontaneWetMeadow_pct                              |   |
| LRNA_SubalpineMontaneMarsh_pct                         |   |

**Table 3. PRA Attributes**

| Field Name           | Description   |
|----------------------|---|
| PRA_ID               | Unique identifier of PRA  |
| PRA_Area_ac          | Area of PRA in acres  |
| RCOA_ID              | Unique identifier of the intersecting RCOA  |
| <b>Habitat Value</b> |   |
| Dominant_Type        | Type of Restoration Potential based on the 3 following classes.<br>Types:<br>1 – Mixed-exotic or exotic: Most direct restoration, but can also have hydro- connectivity issues<br>2-Dry Riparian: Hydro-connectivity commonly the driver and difficult to address<br>3-Semi-natural vegetation: Often imbedded in the agriculture/urban complex   |
| NMRipMap_L3_Name     | The vegetation type assigned to NM RipMap polygon that were considered types for potential restoration. These include exotic, mixed-native and exotic, drier riparian, and semi natural vegetation, as well as undisturbed bare ground. The following NM RipMap units are included: <ul style="list-style-type: none"><li>• <i>Lowland Native-Introduced Russian Olive Deciduous Riparian Forest</i></li><li>• <i>Lowland Native-Introduced Tamarisk Deciduous Riparian Forest</i></li><li>• <i>Lowland Native-Introduced Russian Olive - Tamarisk Deciduous Riparian Forest</i></li><li>• <i>Russian Olive Introduced Riparian Woodland and Scrub</i></li><li>• <i>Tamarisk Introduced Riparian Woodland and Scrub</i></li><li>• <i>Russian Olive-Tamarisk Introduced Riparian Woodland and Scrub</i></li><li>• <i>Mixed Introduced Forest and Scrub</i></li><li>• <i>Semi-Natural Riparian Forest and Scrub</i></li><li>• <i>Lowland Mixed Willow-Russian Olive Riparian Scrub</i></li><li>• <i>Lowland Mixed Willow-Tamarisk Riparian Scrub</i></li><li>• <i>Lowland Mixed Willow-Russian Olive-Tamarisk Riparian Woodland and Scrub</i></li><li>• <i>Lowland Native Evergreen Riparian Dry Riparian Forest</i></li><li>• <i>Montane Dry Riparian Meadow and Grassland</i></li><li>• <i>Western Lowland Salt Meadow and Dry Grassland</i></li><li>• <i>Riparian Bare Ground/Rockland [non-channel]</i></li></ul> |

| Field Name            | Description  |
|-----------------------|--|
| Connecting_LRNA_Count | Count of LRNAs the PRA touches or connects   |
| LRNA_IDs              | The LRNAs the PRA is associated with; If more than one LRNA is listed these are the LRNAs the PRA connects   |
| MAX_LRNA_Area_ac      | Area in acres of the largest adjacent LRNA   |
| FinalArea_ac          | The total area in acres of continuous high-quality riparian vegetation that would be created by fully restoring the target PRA polygon   |
| RelativeBenefit       | The area added from the LRNA (or LRNAs) divided by area of the PRA polygon. This is an index summarizing the relative benefit of restoring the target polygon given, 1) the total area added to LRNA, and 2) the total area of the target polygon. |

**Table 4. Adjacent Natural Areas Attributes**

| Field Name             | Description                                |
|------------------------|--|
| AdjacentNaturalArea_ID | Unique identifier for Adjacent Areas       |
| AdjacentNaturalArea_ac | Area of Adjacent Areas in acres            |
| NMRipMap_L3 Name       | NM RipMap map unit name                    |
| AdjacentArea_RCOA_ID   | Unique identifier of the intersecting RCOA |