

New Jersey State
Agriculture Development Committee

Soil Protection Standards





Part 1

Soil Disturbance Limitations

Attachment 1 - SADC Soil Disturbance/Soil Protection Land Uses Chart

| | Land Uses | Soil Effects Classifications | Soil Disturbance Limitations | Soil Disturbance Exemptions |
|--|--|---|---|--|
| SOIL PROTECTION STANDARDS - GENERAL | Cut/fill activities (includes stormwater basins) | Permanent Soil Disturbance ("Red" Category) | Up to 8% of the preserved premises acres or 6 acres, whichever is greater. | All pre-existing and future land uses subject to Soil Disturbance Limitation. |
| | Permanent buildings/structures | | | |
| | Permanent travel lanes | | | |
| | Permanent livestock training areas | | | |
| | Permanent parking and storage areas/hardscape | | | |
| SOIL PROTECTION STANDARDS - BEST MANAGEMENT PRACTICES (BMPs) | Semi-permanent travel lanes | Semi-Permanent Soil Disturbance ("Orange" Category) | Up to 5% of the preserved premises acres if following BMPs; subject to "Red" Category Limitation if not following BMPs. | All pre-existing and future land uses subject to Soil Disturbance Limitation. |
| | Semi-permanent livestock training areas | | | |
| | Semi-permanent parking and storage areas | | | |
| | Agricultural water impoundments | | | |
| | Soil stockpiles | | | |
| | Geotextiles and geomembranes | Temporary Soil Disturbance ("Yellow" Category) | No limitation if following BMPs; subject to "Red" Category Limitation is not following BMPs. | All pre-existing land uses exempted from Soil Disturbance Limitation; all future land uses subject to Soil Disturbance Limitation. |
| | Temporary structures | | | |
| | Temporary travel lanes | | | |
| | Temporary livestock training areas | | | |
| | Temporary parking and storage areas | | | |
| Ground-mounted solar energy facilities | | | | |
| SOIL PROTECTION STANDARDS - GENERAL | Cropland and pastureland | Soil Protection ("Green" Category) | No limitation. | All pre-existing and future land uses exempt from Soil Disturbance Limitation. |
| | Woodland | | | |
| | Wetlands and streams | | | |

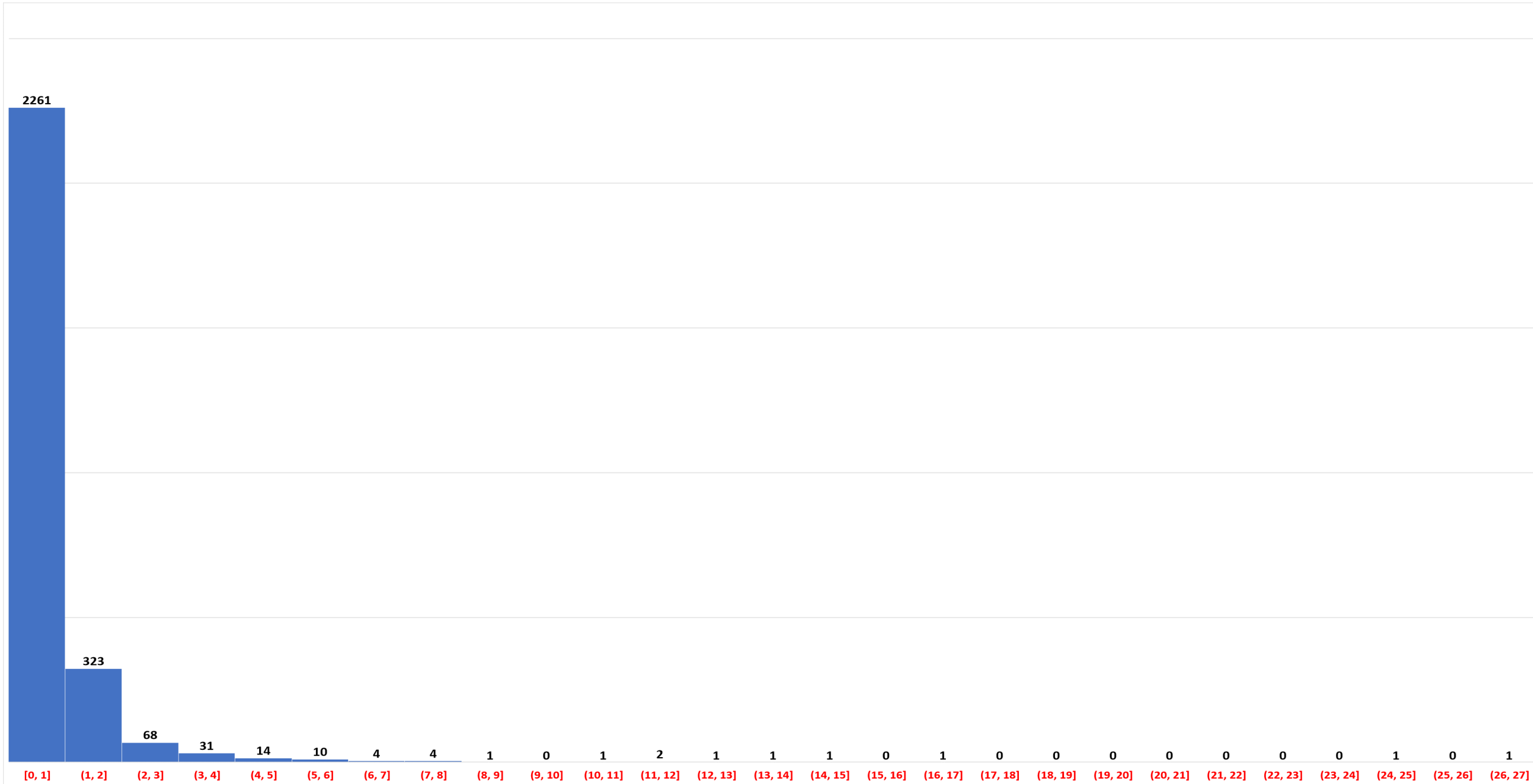
Attachment 2 - Leading Mid-Atlantic Counties in Market Value of Ag. Sales Sorted by Farmstead Complex Size (2017 Census of Agriculture)

| Leading County in Each Mid-Atlantic State for Market Value of Ag. Products Sold | % of Farm Acres in Farmsteads, Buildings, and Roads (Farmstead Complex) ¹ | Leading Commodities |
|---|--|---|
| Hardy County, West Virginia | 3% | Broilers, Layers, Turkeys |
| Sussex County, Delaware | 4% | Broilers, Hogs, Horses/Mules |
| Caroline County, Maryland | 4% | Broilers, Vegetables, Grain |
| Rockingham County, Virginia | 6% | Dairy, Beef, Broilers, Turkeys, Layers |
| Wyoming County, New York | 6% | Dairy, Beef |
| Lancaster County, Pennsylvania | 6% | Dairy, Beef, Broilers, Layers, Hogs, Horses/Mules |
| Duplin County, North Carolina | 7% | Broilers, Turkeys, Hogs |
| Cumberland County, New Jersey | 8% | Nursery/Floriculture, Vegetables |
| | | |
| Average Farmstead Complex % of Farm | 6% | |
| | | |
| ¹ Answered by farmers, not USDA staff | | |

Attachment 3 - North American Industry Classification System Sorted by Average Farm Acres (2017 Census of Agriculture)

| NAICS Code | Number of Farms | Farm Acres | Average Farm Acres | |
|--|-----------------|----------------|--------------------|---|
| Sheep and goat farming (1124) | 753 | 14,067 | 18.68 | |
| Other animal - apiculture, equine, rabbit (1129) | 1,943 | 50,028 | 25.75 | |
| Poultry and egg production (1123) | 286 | 10,213 | 35.71 | |
| Hog and pig farming (1122) | 58 | 2,462 | 42.45 | |
| Greenhouse/nursery/floriculture (1114) | 1,540 | 83,254 | 54.06 | |
| Aquaculture (1125) | 77 | 5,269 | 68.43 | |
| Cattle ranching and farming (1121) | 792 | 55,631 | 70.24 | Divide between intensive and less intensive infrastructure (as a % of farm |
| Other crop farming - hay (1119) | 2,143 | 160,715 | 75.00 | |
| Vegetable and melon farming (1112) | 895 | 88,106 | 98.44 | |
| Fruit and tree nut farming (1113) | 586 | 66,500 | 113.48 | |
| Oilseed and grain farming (1111) | 810 | 197,839 | 244.25 | |
| | | | | |
| Totals/Average | 9,883 | 734,084 | 74.28 | |

Attachment 5 - Rowan Geolab Disturbance Statistics - Histogram



Attachment 6 - New Jersey Preserved Land Statistics (2018)
2018-2022 New Jersey Statewide Comprehensive Outdoor Recreation Plan

| Agency/Organization | Preserved Acres | Percent of Total |
|-------------------------------|------------------------|-------------------------|
| Federal Government | 115,100 | 7.3% |
| State Government | 839,682 | 53.2% |
| Local Government | 257,134 | 16.3% |
| Nonprofit Organizations | 68,660 | 4.4% |
| Farmland | 230,040 | 14.6% |
| Pinelands Development Credits | 52,194 | 3.3% |
| Other | 14,229 | 0.9% |
| | | |
| Total | 1,577,039 | 100.0% |



Part 2

Best Management Practices

Best Management Practices (BMPs) Discussion Chronology

| | Land Uses | Soil Effects Classifications | Jan. 2020 SADC Mtg. | Feb. 2020 SADC Mtg. | Sept. 2020 Subcommittee Mtg. | Oct. 2020 SADC Mtg. | Nov. 2020 Subcommittee Mtg. | Jan. 2021 SADC Mtg. | Feb. 2021 SADC Mtg. | |
|--|--|--|------------------------|------------------------|------------------------------------|------------------------|-----------------------------------|------------------------|------------------------|-----------|
| SOIL PROTECTION STANDARDS - BEST MANAGEMENT PRACTICES (BMPs) | Semi-permanent travel lanes | Semi-Permanent Soil Disturbance ("Orange" Category) | 1/23/2020 | | 9/22/2020 | 10/22/2020 | | | 2/25/2021 | |
| | Semi-permanent livestock training areas | | | | 9/22/2020 | 10/22/2020 | | | 2/25/2021 | |
| | Semi-permanent parking and storage areas | | | 2/27/2020 | 9/22/2020 | | 11/24/2020 | 1/28/2021 | 2/25/2021 | |
| | Agricultural water impoundments | | | | | | 11/24/2020 | 1/28/2021 | 2/25/2021 | |
| | Soil stockpiles | | | | 9/22/2020 | | 11/24/2020 | 1/28/2021 | 2/25/2021 | |
| | Geotextiles and geomembranes | Temporary Soil Disturbance ("Yellow" Category) | 1/23/2020 | | 9/22/2020 | 10/22/2020 | | | 2/25/2021 | |
| | Temporary structures | | | 2/27/2020 | 9/22/2020 | 10/22/2020 | | | 2/25/2021 | |
| | Temporary travel lanes | | | 1/23/2020 | | 9/22/2020 | 10/22/2020 | | | 2/25/2021 |
| | Temporary livestock training areas | | | | | 9/22/2020 | 10/22/2020 | | | 2/25/2021 |
| | Temporary parking and storage areas | | | | 2/27/2020 | 9/22/2020 | | 11/24/2020 | 1/28/2021 | 2/25/2021 |
| Ground-mounted solar energy facilities | | | | | | 11/24/2020 | 1/28/2021 | 2/25/2021 | | |

Extent of Comments Made by SADC Members on Draft BMPs

Semi-permanent travel lanes - minor comments

Semi-permanent livestock training areas - minor comments

Semi-permanent parking and storage areas - substantive comments

Agricultural water impoundments - no comments

Soil stockpiles - minor comments

Geotextiles and geomembranes - minor comments

Temporary structures - minor comments

Temporary travel lanes - minor comments

Temporary livestock training areas - no comments

Temporary parking and storage areas - substantive comments

Ground-mounted solar energy facilities - no comments