

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)

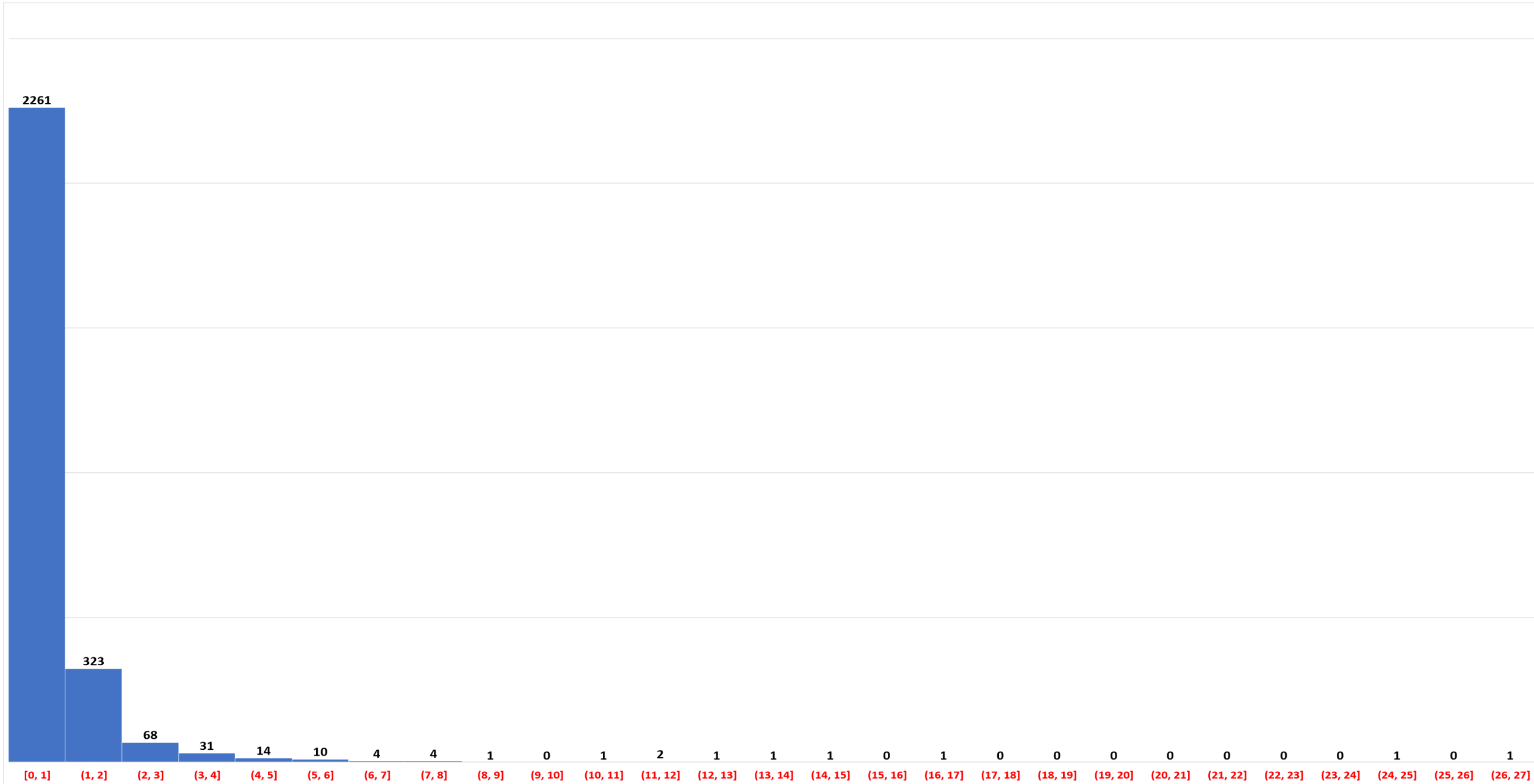
Leading County in Each Mid-Atlantic State for Market Value of Ag. Products Sold	% of Farm Acres in Farmsteads, Buildings, and Roads (Farmstead Complex) <sup>1</sup>	Leading Commodities
Hardy County, West Virginia	3%	Broilers, Layers, Turkeys
Sussex County, Delaware	4%	Broilers, Hogs, Horses/Mules
Caroline 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
<b>Average Farmstead Complex % of Farm</b>	<b>6%</b>	
<sup>1</sup> 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	<b>Divide between intensive and less intensive infrastructure (as a % of farm</b>
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	
<b>Totals/Average</b>	<b>9,883</b>	<b>734,084</b>	<b>74.28</b>	



# Attachment 5 - Rowan Geolab Disturbance Statistics - Histogram



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

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



# New Slide - Rate of Compliance<sup>1</sup> and Percent of Small Farms in Preservation Portfolio

## Disturbance Limits

8%

8%/2 acres

8% + 5%

8%/2 acres + 5%

8%/3 acres + 5%

8%/4 acres + 5%

8%/5 acres + 5%

8%/6 acres + 5%

## Rate of Non-Compliance (Purple is Waltman Proposals; Blue is Original Proposal)<sup>2</sup>

35 non-compliant farms; 30 farms (86% of total) are under 75 acres

27 non-compliant farms; 21 farms (78% of total) are under 75 acres

13 non-compliant farms; 10 farms (77% of total) are under 75 acres

11 non-compliant farms; 8 farms (73% of total) are under 75 acres

9 non-compliant farms; 7 farms (78% of total) are under 75 acres

4 non-compliant farms; 2 farms (50% of total) are under 75 acres

3 non-compliant farms; 1 farm (33% of total) is under 75 acres

2 non-compliant farms; 0 farms (0% of total) are under 75 acres

## Premises Acreage<sup>3</sup>

5 - 25 acres

25.01 acres and above

## Number/Acreage of Farms in Acreage Range

343 farms (13% of total); 5,887 acres (2% of total)

2,335 farms (87% of total); 232,774 acres (98% of total)

## Notes

<sup>1</sup> 75 acres is the threshold for achieving 6 acres of disturbance at 8% limit.

<sup>2</sup> One of the non-compliant farms in each subtotal is Quaker Valley.

<sup>3</sup> 25 acres was the “small farm” threshold used in 2014.



# 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**