2011 State Resource Assessment

STATE: New Jersey **DATE:** 06/01/11

		CROP				RANGE				PASTURE				FOREST				OTHER ASSOCIATED AG LAND			
Major Resource Concerns	Natural Resource Concerns	Potential At Risk Acres	Acres Needing Treatment	Priority Rank (1 = Highest)	Priority Treatment Acres	Potential At Risk Acres	Acres Needing Treatment	Priority Rank (1 = Highest)	Priority Treatment Acres	Potential At Risk Acres	Acres Needing Treatment	Priority Rank (1 = Highest)	Priority Treatment Acres	Potential At Risk Acres	Acres Needing Treatment	Priority Rank (1 = Highest)	Priority Treatment Acres	Potential At Risk Acres	Acres Needing Treatment	Priority Rank (1 = Highest)	Priority Treatment Acres
SOIL EROSION	SOIL EROSION - Sheet, rill, and wind erosion	464,275	394,859	1	45,000	0	0	0	0	5,801	5,158	5	750	0	0	0	0	0	0	0	0
	SOIL EROSION - Concentrated flow erosion	290,171	230,516	1	36,000	0	0	0	0	1,865	1,456	5	450	321,701	310,723	5	6,000	431	334	3	100
	SOIL EROSION - Excessive bank erosion from streams, shorelines, or water conveyance channels	0	0	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOIL QUALITY DEGRADATION	SOIL QUALITY DEGRADATION - Subsidence	7,267	5,462	3	750					6,807	6,793	2	14	0	0	0	0	0	0	0	0
	SOIL QUALITY DEGRADATION - Compaction	551,658	422,840	3	42,000	0	0	0	0	9,480	9,264	2	150	0	0	0	0				
	SOIL QUALITY DEGRADATION - Organic Matter Depletion	371,115	316,758	3	36,000	0	0	0	0	4,350	4,180	2	150	0	0	0	0				
	SOIL QUALITY DEGRADATION - Concentration of salts or other chemicals	0	0	0	0	0	0	0	0	0	0	0	0					0	0	0	0
EXCESS / INSUFFICIENT WATER	EXCESS WATER - Ponding, flooding, seasonal high water table, seeps and drifted snow	97,054	54,861	4	24,000	0	0	0	0	23,868	23,747	7	150	0	0	0	0	1,751	1,700	5	50
	INSUFFICIENT WATER - Inefficient moisture management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	INSUFFICIENT WATER - Inefficient use of irrigation water	150,000	109,637	4	10,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATER QUALITY DEGRADATION	WATER QUALITY DEGRADATION - Excess nutrients in surface and ground waters	452,756	375,170	2	45,000	0	0	0	0	14,315	13,319	1	1,250	767,067	75,582	3	600	2,025	1,878	1	150
	WATER QUALITY DEGRADATION - Pesticides transported to surface and ground waters	581,612	522,865	2	45,000	0	0	0	0	24,075	23,267	1	750	1,971,739	980,271	3	6,000	3,001	2,870	1	150
	WATER QUALITY DEGRADATION - Excess pathogens and chemicals from manure, biosolids or compost applications	462,981	410,810	2	45,000	0	0	0	0	18,559	17,605	1	750	1,444,362	143,539	3	600	2,329	2,196	1	150
	WATER QUALITY DEGRADATION - Excessive salts in surface and ground waters	0	0	0	0					0	0	0	0								
	WATER QUALITY DEGRADATION - Petroleum, heavy metals, and other pollutants transported to receiving water sources	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WATER QUALITY DEGRADATION - Excessive sediment in surface waters	461,797	404,211	2	45,000	0	0	0	0	15,210	13,959	1	300	994,331	195,594	3	10,500	1,932	1,816	1	125
	WATER QUALITY DEGRADATION - Elevated water temperature	97,974	86,700	2	1,050	0	0	0	0	2,414	1,243	1	300	267,733	27,236	3	10,500	338	337	1	50
DEGRADED PLANT CONDITION	DEGRADED PLANT CONDITION - Undesirable plant productivity and health	200,604	115,163	6	45,000	0	0	0	0	1,685	1,013	3	600	1,871,308	1,854,942	1	10,500	2,289	2,217	7	75
	DEGRADED PLANT CONDITION - Inadequate structure and composition					0	0	0	0					0	0	0	0	0	0	0	0
	DEGRADED PLANT CONDITION - Excessive plant pest pressure	656,731	595,691	6	4,500	0	0	0	0	26,520	25,923	3	450	1,805,000	1,515,916	1	900	2,500	2,493	7	10
	DEGRADED PLANT CONDITION - Wildfire hazard, excessive biomass accumulation					0	0	0	0					855,325	427,334	1	10,500	0	0	0	0
INADEQUATE HABITAT FOR FISH AND WILDLIFE	INADEQUATE HABITAT FOR FISH AND WILDLIFE - Habitat degradation	492,548	414,557	5	15,000	0	0	0	0	14,586	11,828	6	125	1,591,787	1,561,309	2	10,500	803	767	4	75
LIVESTOCK PRODUCTION LIMITATION	LIVESTOCK PRODUCTION LIMITATION - Inadequate feed and forage	71,750	51,052	8	3,000	0	0	0	0	26,520	25,949	4	600	0	0	0	0				
	LIVESTOCK PRODUCTION LIMITATION - Inadequate livestock shelter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	LIVESTOCK PRODUCTION LIMITATION - Inadequate livestock water	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
INEFFICIENT ENERGY USE	INEFFICIENT ENERGY USE - Equipment and facilities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,092	2,772	2	240
	INEFFICIENT ENERGY USE - Farming/ranching practices and field operations	656,731	525,385	7	45,000	0	0	0	0	26,520	5,304	8	300	2,146,270	214,627	8	300	0	0	0	0
AIR QUALITY IMPACTS	AIR QUALITY IMPACTS - Emissions of particulate matter (PM) and PM precursors	124,656	82,316	9	10,500	0	0	0	0	0	0	0	0	0	0	0	0	495	167	6	15
	AIR QUALITY IMPACTS - Emissions of greenhouse gases (GHGs)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AIR QUALITY IMPACTS - Emissions of ozone precursors	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	AIRQUALITY IMPACTS - Objectionable odors	0	0	0	0					0	0	0	0					0	0	0	0