Solid Waste Management Issues Environmental Review Commission

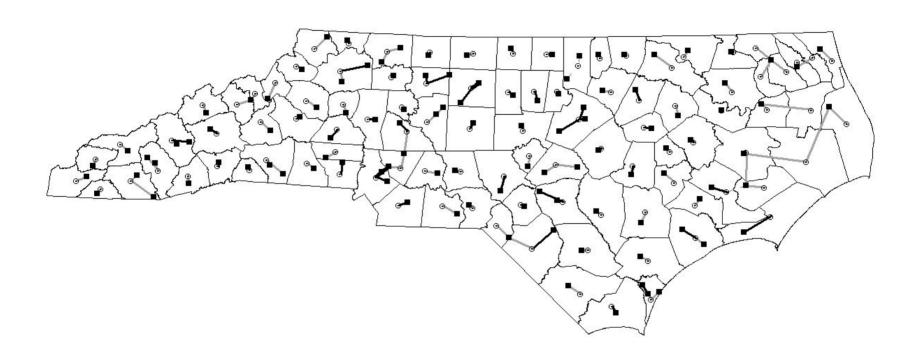
January 24, 2006

Paul Crissman Solid Waste Section





Municipal Solid Waste Flow FY 1990-1991





Solid Waste Management Act of 1989

Established:

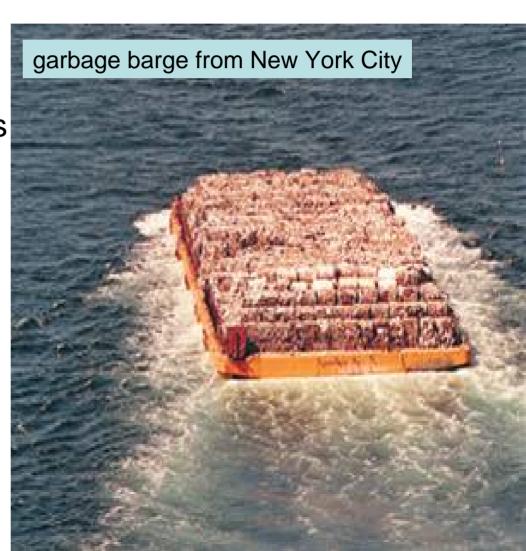
Reporting requirements

Planning requirements

Landfill bans

New programs

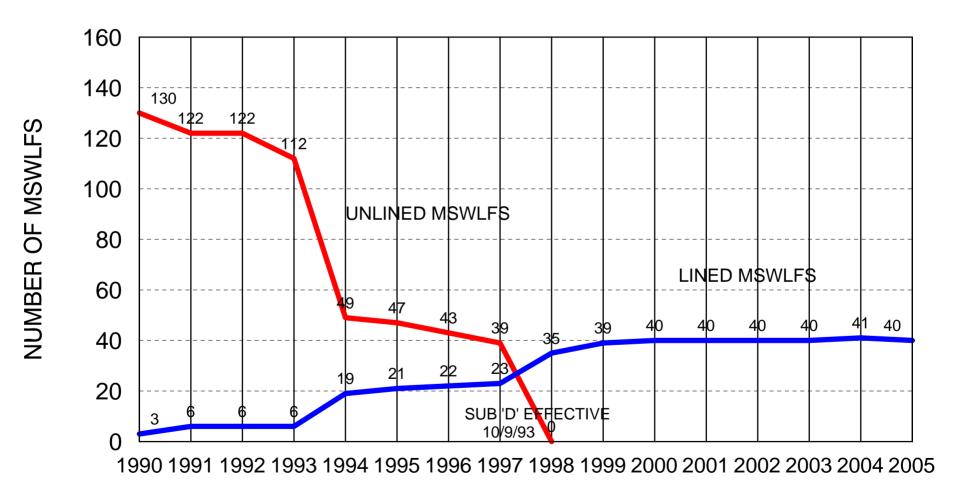
Set goals and policies







STATUS OF MSWLFS IN NORTH CAROLINA



YEARS



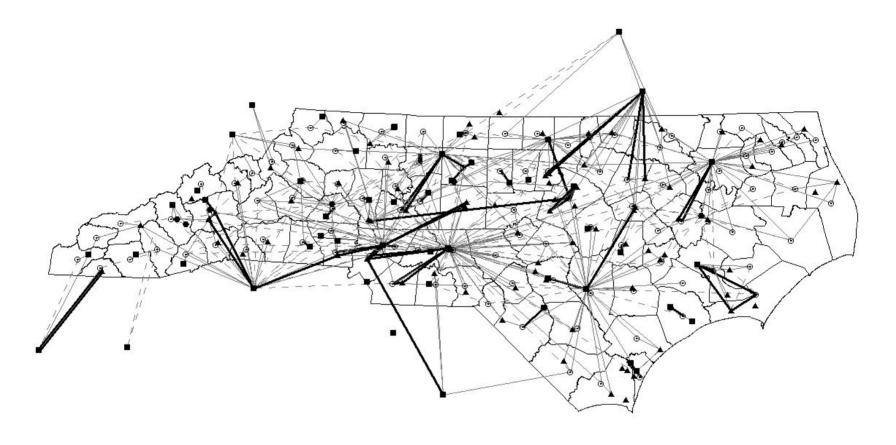








Municipal Solid Waste Flow Fiscal Year 2000-2001

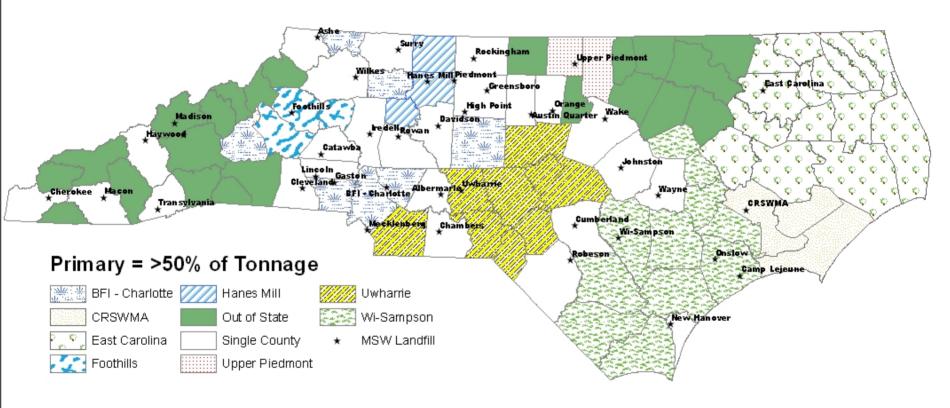


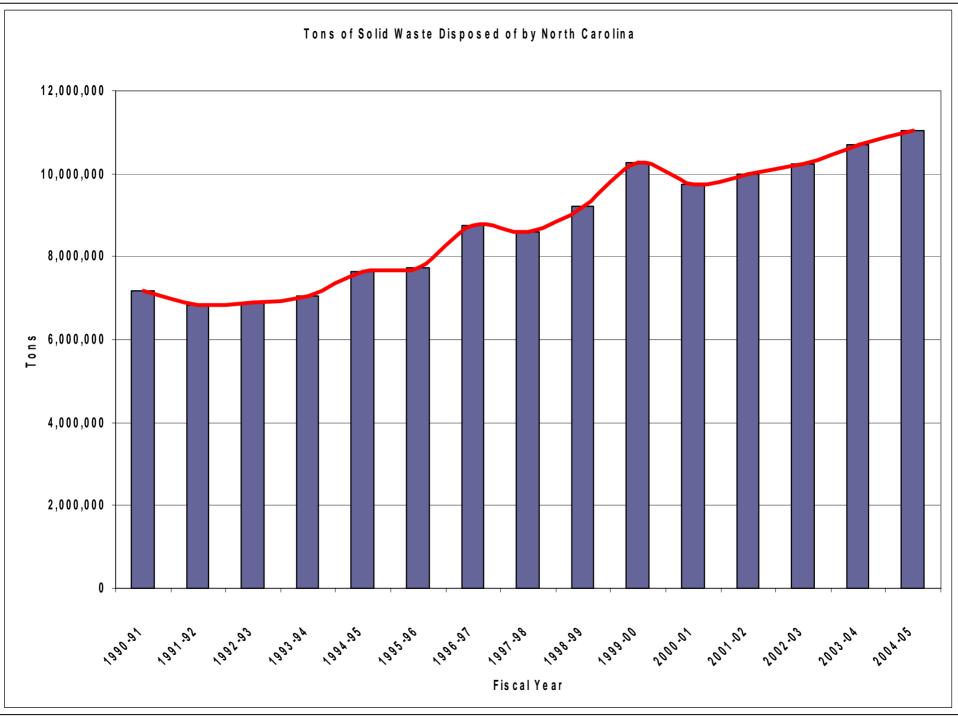
Solid Waste Facilities **MSWLF**

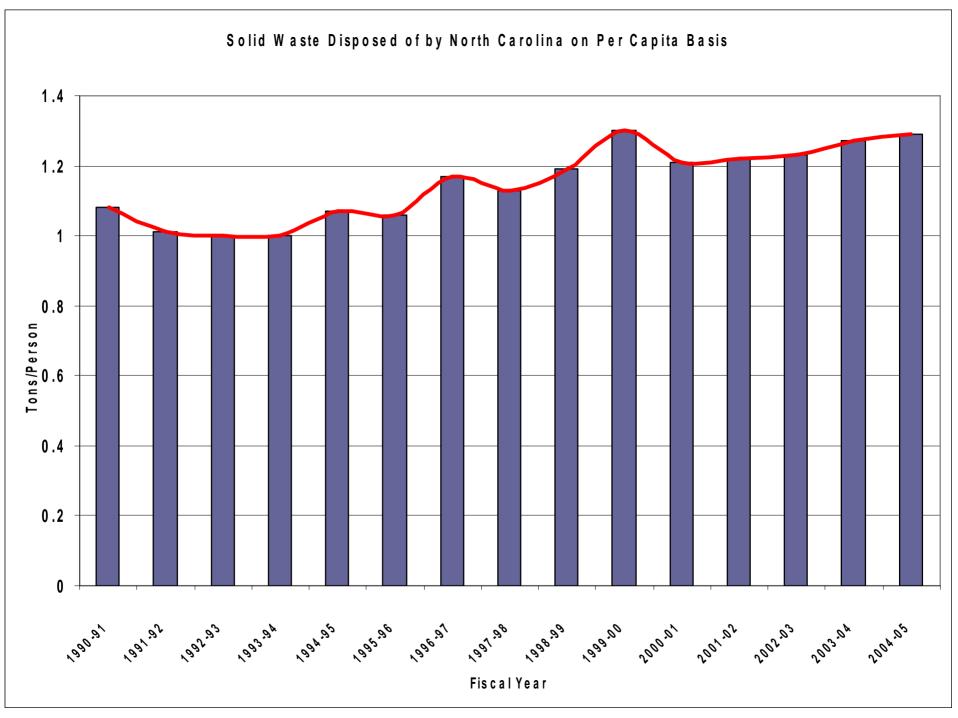
- MWP
- TRANSFER

Waste Flow ^ <1,000 √ 1,000 to 70,000 70,000 to 280,000 >280,000

Primary MSW Landfill Used by NC Counties



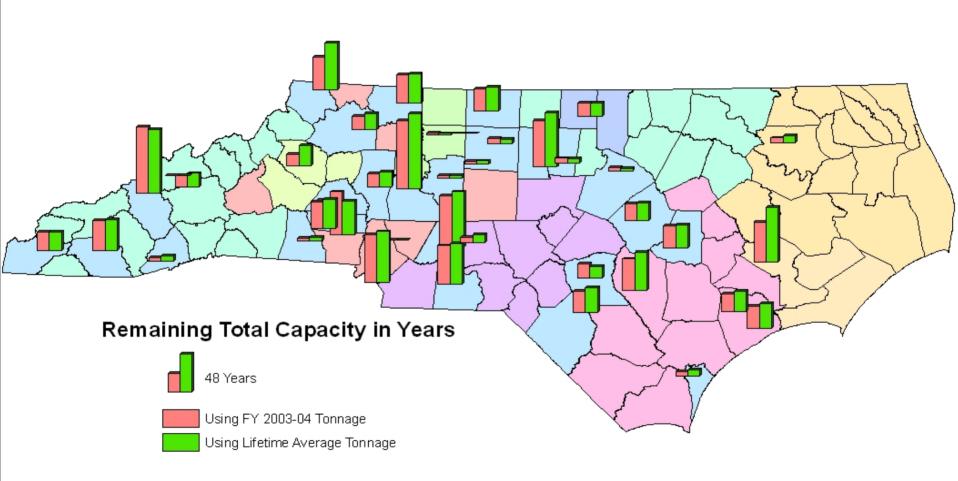




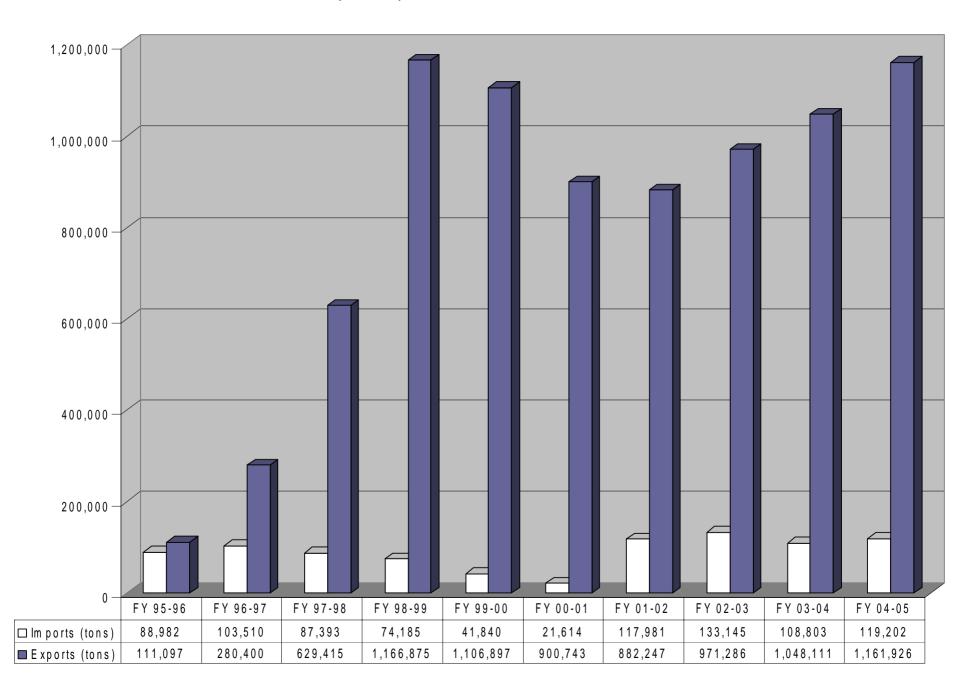
North Carolina Landfill Capacity



North Carolina Landfill Capacity

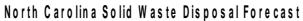


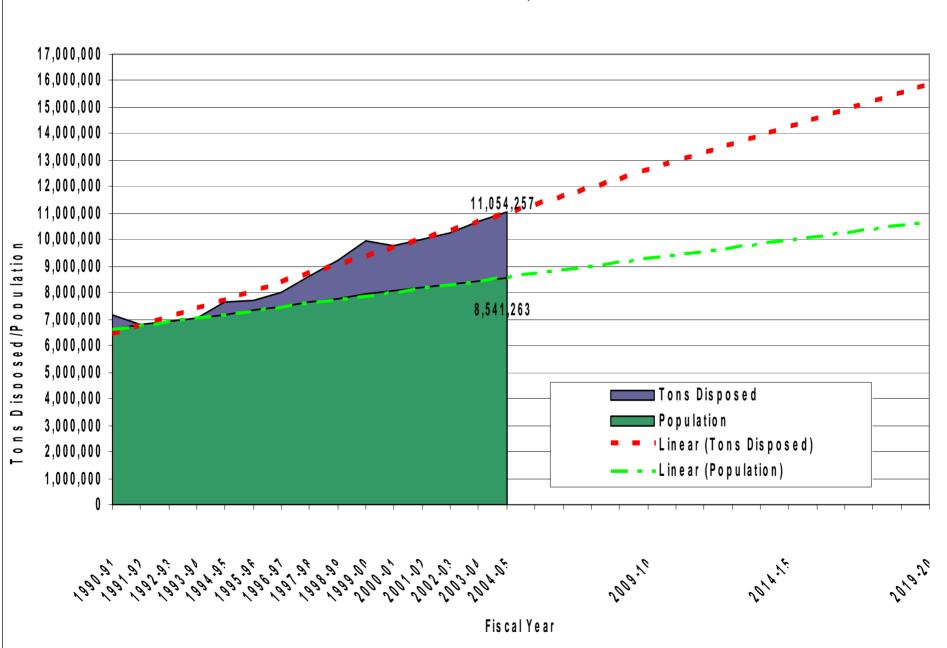
Net Imports/Exports of Solid Waste in North Carolina

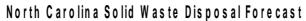


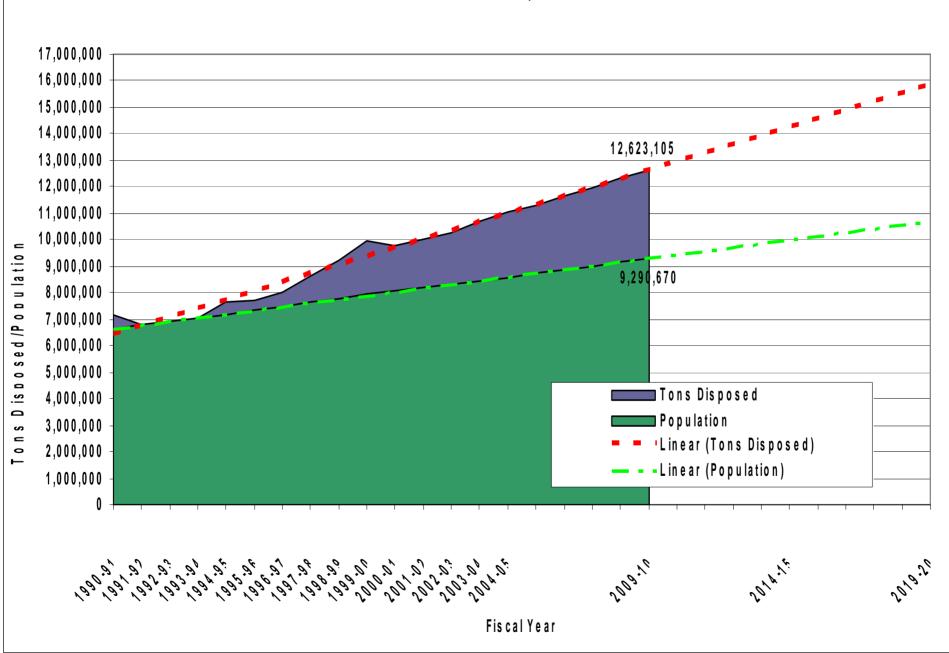
Total Landfill Capacity for North Carolina

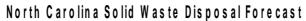
County:	All Counties		
	O pened	Surveyed	Months Open
D a te	V a rie d	9/21/2005	9.2
	Total	Avg. Per Year	2004-2005
Total Tons Disposed	59,549,524.6	6,479,185.5	7,673,315.7
	U s e d	Permitte d	Total
Volume Airspace (yd³)	99,333,552.9	137,315,486.0	339,013,657.0
Remaining Airspace (yd ³)		37,981,933.1	239,680,104.1
Utilization Factor (tons/yd³):	0.60		
		Perm itte d	Total
Remaining Capacity for Tons of Waste		22,769,809.3	143,685,953.4
Remaining Capacity in Years (Lifetime TPM)		3.5	22.2
Remaining Capacity in Years (2003-2004 TPM)		3.0	18.7

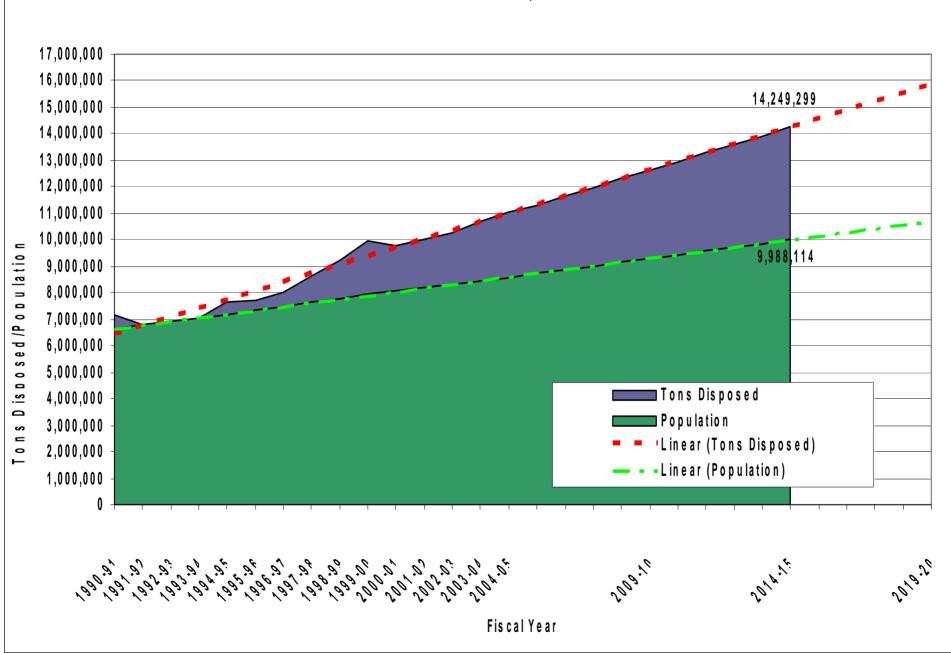


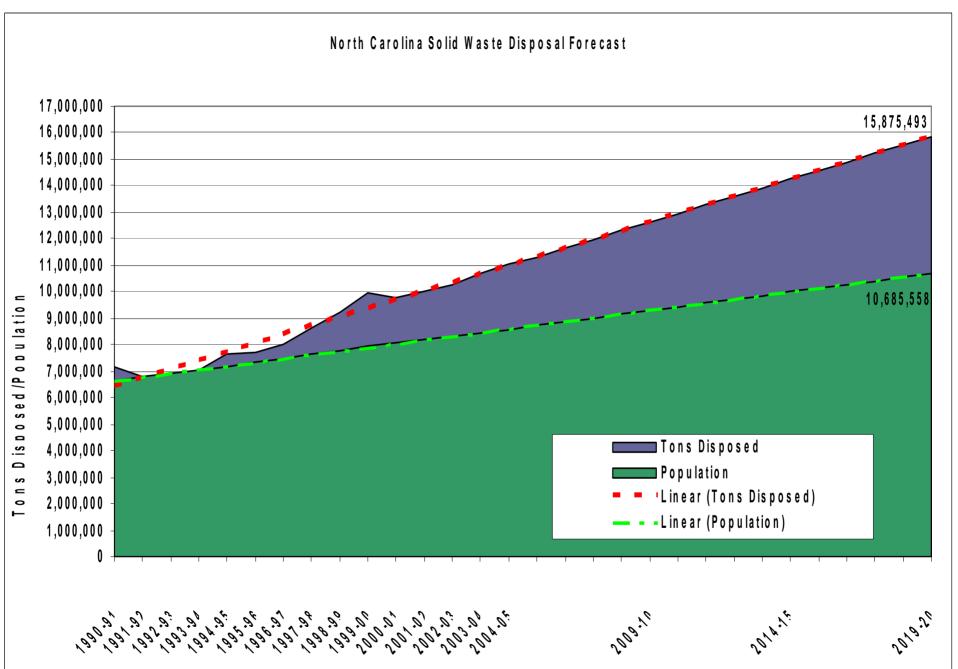












Fis cal Year



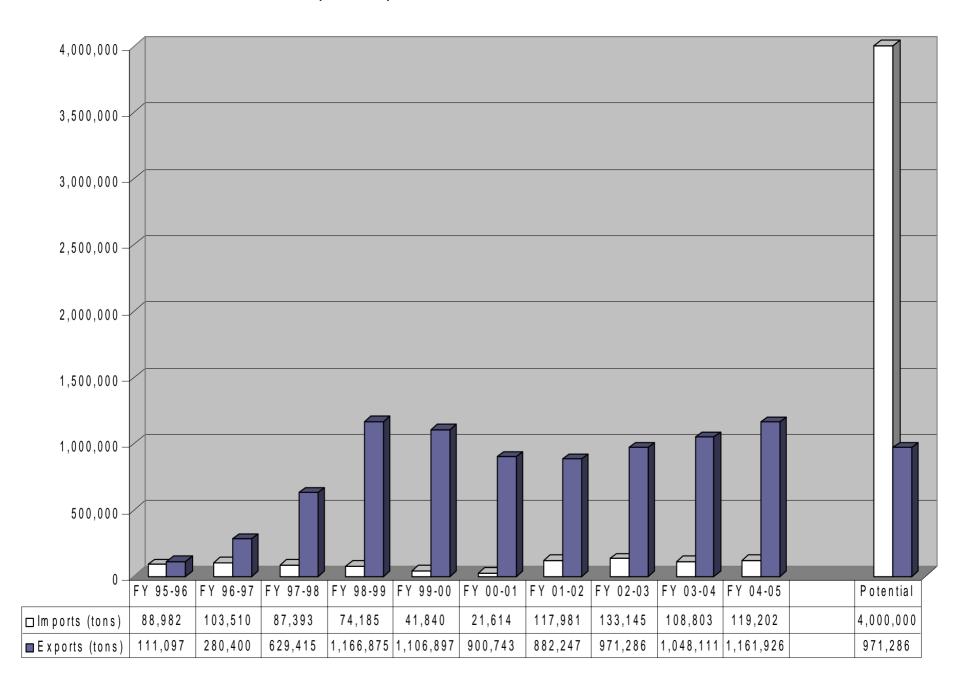
- Camden County Black Bear- MSW
 - 3.5 million tons/year, source- east coast
- •Columbus County -Riegel Ridge- MSW .5 million tons/year, source 100 mile radius
- •Brunswick County-Hugo Neuindustrial process waste landfill 2 million tons/year, source - national and international
- •Hyde County- Alligator River Recycling construction and demolition waste, barge facility .9 million tons/year, source east coast



North Carolina Landfill Capacity



Net Imports/Exports of Solid Waste in North Carolina



Solid Waste in North Carolina The future:

More of the same

(Probably continue to have more and more waste)

Yet very different

(Probably become one of the nation's leading importers of waste)

Options

Do Nothing

Institute a tipping fee

Ban certain materials (i.e..clean wood, cardboard)

Institute advance disposal fees (i.e. electronics)

Require program activity (i.e. recovery targets)

Five Goals Identified in the State Planning Process

- By 2010, **improve landfill technology** to secure long term protection of the environment
- By 2010, a larger portion of solid waste will be managed by recycling and composting than disposal in landfills.
- By 2010, **litter and illegal disposal shall be reduced** by 50% from 2000-2001 levels.
- By 2010, implement a **public participation** and public education program for new proposed solid waste management facilities, and existing and closed solid waste management facilities.
- By 2010 the State of North Carolina will have **adequate capacity** to manage solid waste that requires landfill disposal.