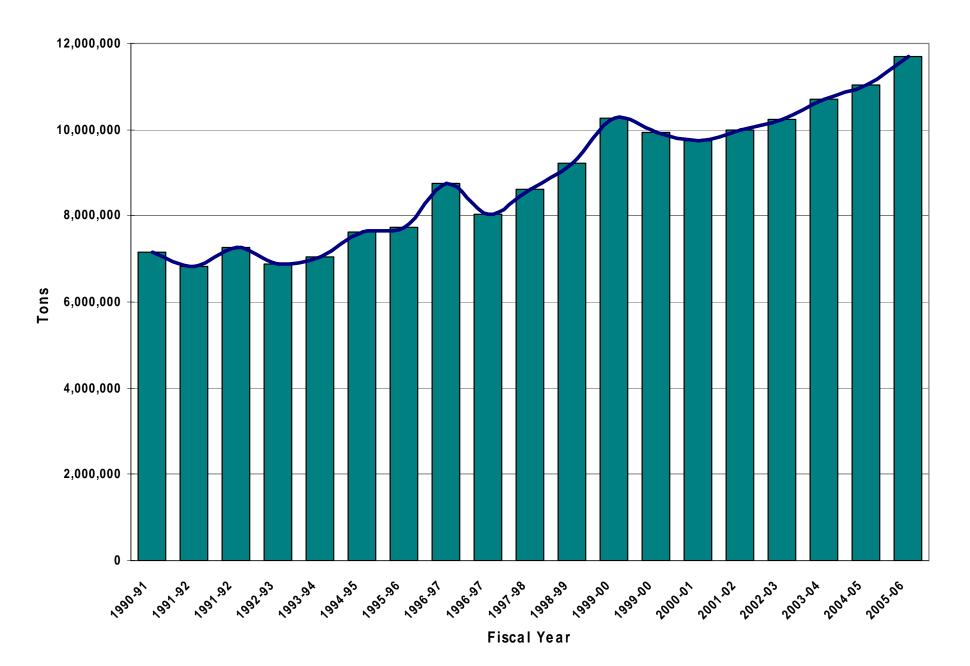
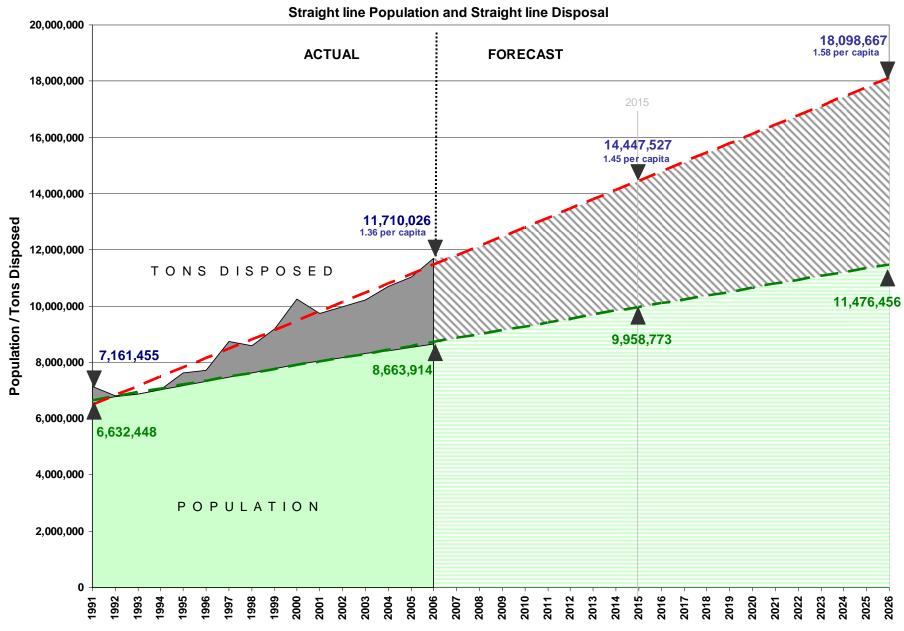


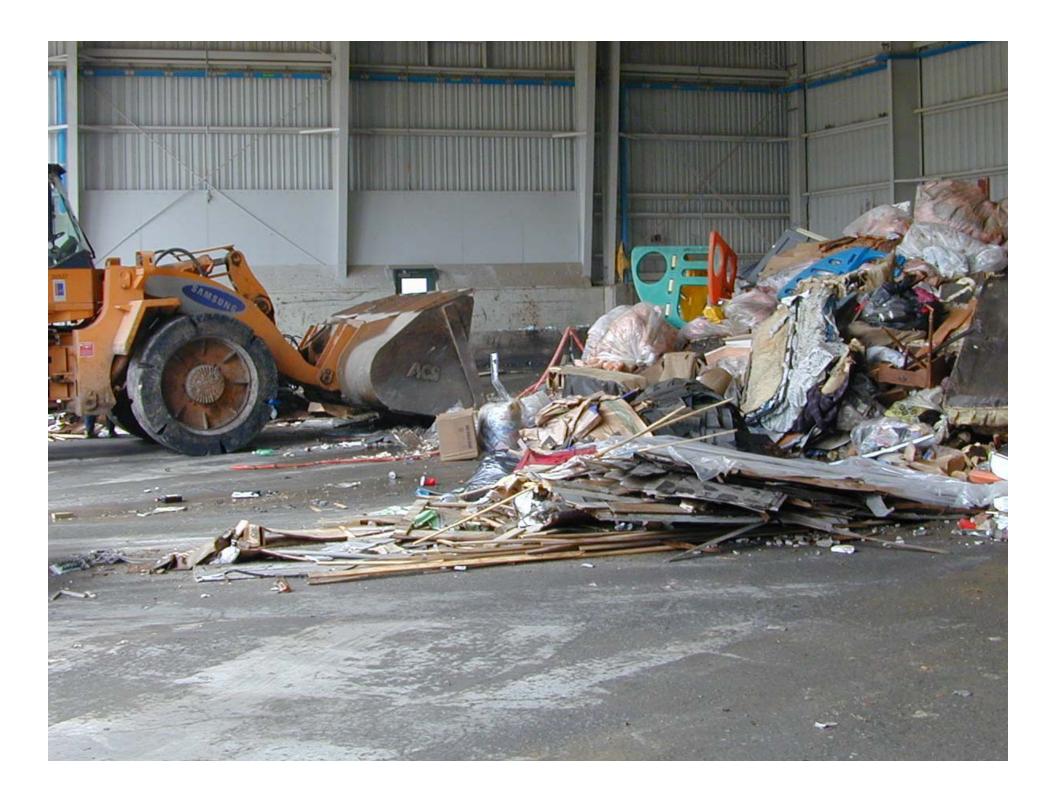
Tons of Solid Waste Disposed of by North Carolina



North Carolina Solid Waste Disposal 20-Year Forecast

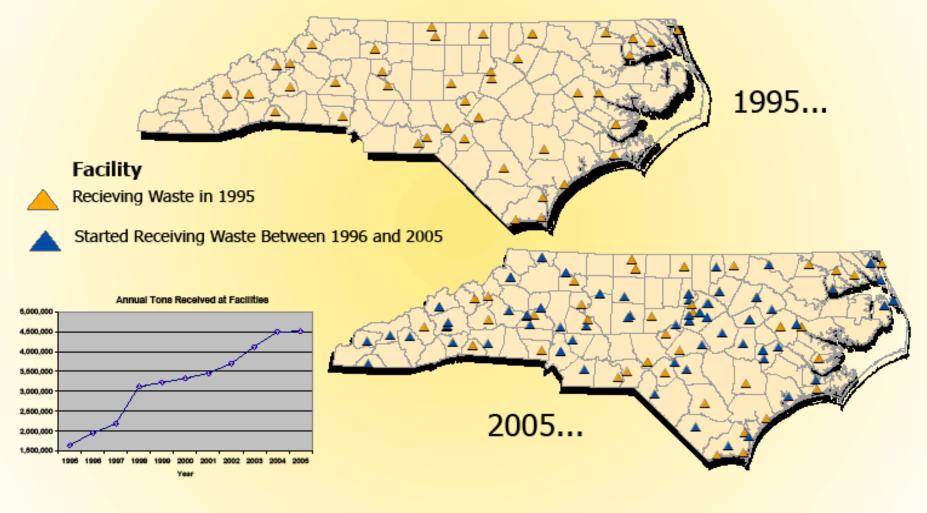






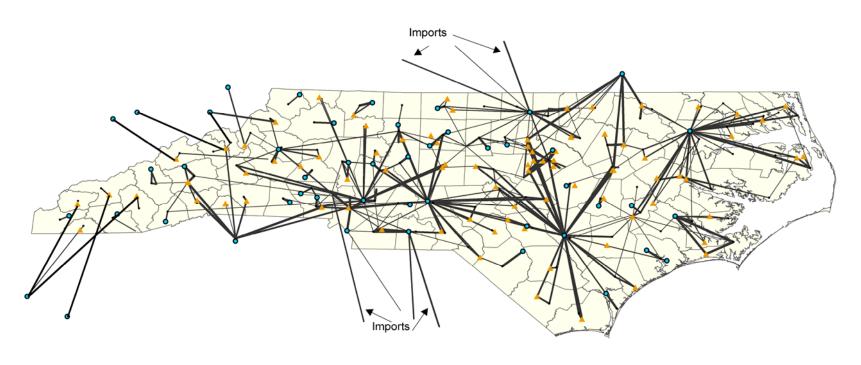


Transfer Station/Treatment and Mixed Waste Processing Facility Growth in North Carolina 1995 and 2005



Created - 1-08-07
Data - North Carolina Division of Solid Waste Database
Map by - Garrett Davis and Environmental Finance Center - UNC Chapel Hill
Funding by - NCDENR

Wasteflows in North Carolina > 500 Tons FY 2005 - 2006



Tons



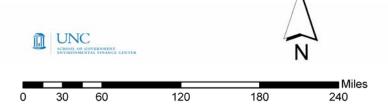
3128 - 12795

—— 12796 - 29598

29599 - 62731

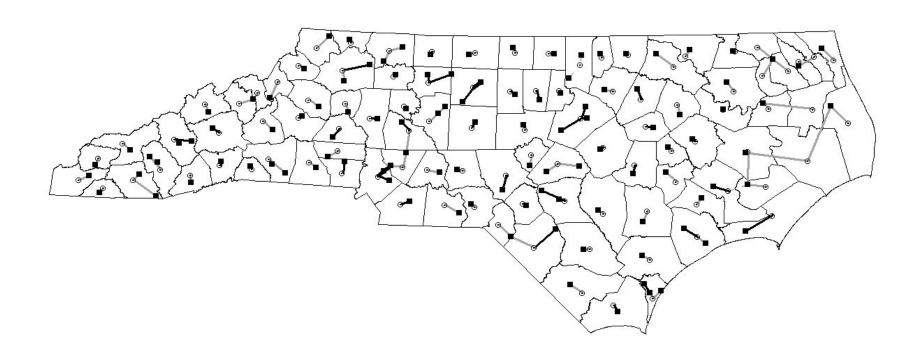
62732 - 859588

- Open Transfer Stations
- Open MSW Landfills



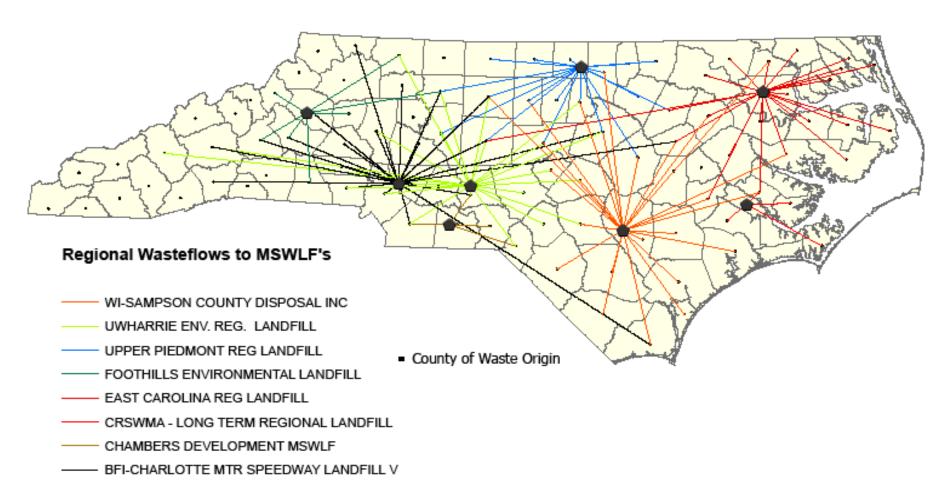
Map Produced March 1st, 2007 by Garrett Davis

Municipal Solid Waste Flow FY 1990-1991



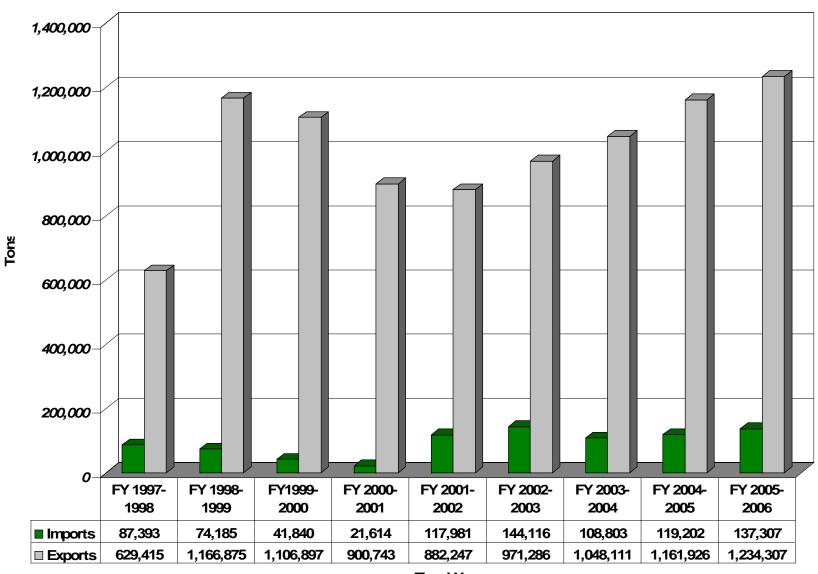
Solid Waste Facilities
County Centers
Waste Flow
1,000
1,000 to 70,000
70,000 to 280,000
>280,000

Wasteflows to Regional Landfills in North Carolina For FY 2005-2006



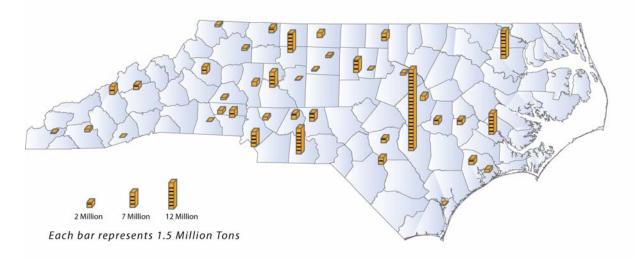
Created - 1-08-07
Data - North Carolina Division of Solid Waste Database
Map by - Garrett Davis and Environmental Finance Center - UNC Chapel Hill
Funding by - NCDENR

Actual Imports / Exports

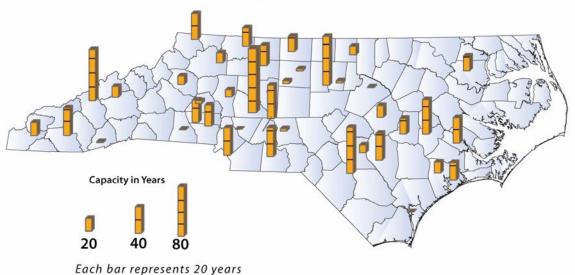


Fiscal Year

Capacity in North Carolina Landfills as of FY 2005-2006 Total Capacity in Tons



Capacity in North Carolina Landfills as of FY 2005-2006 Total Capacity in Years



State-wide Municipal Solid Waste Landfills (MSWLF)

40 MSW Landfills currently operating Average facility size: 316.92 acres Average waste footprint: 76.48 acres

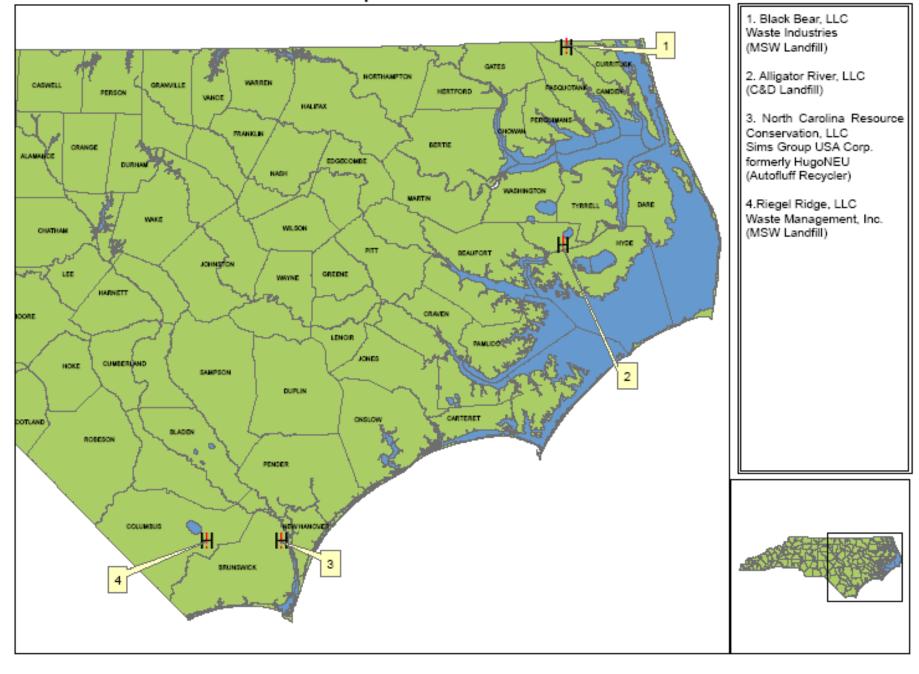
Average "tip" fee: \$33.89

Average utilization factor: 0.58 tons/cubic yard

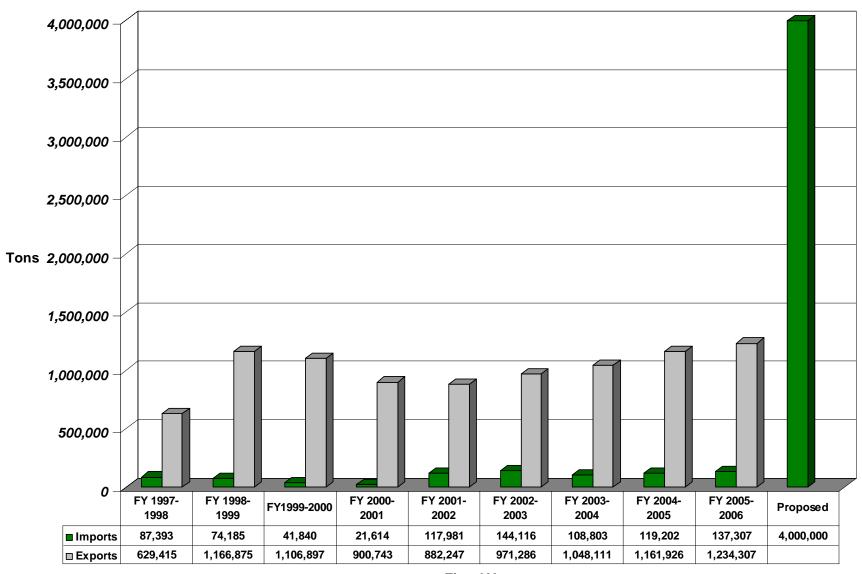
Average years in operation: 10.15 years

	<u>Average</u>	FY2005-2006	<u>Total</u>
MSW Disposed (tons)	6,608,556.96	7,910,640.27	67,076,853.11
	Used	Permitted	Planned
Volume (yd3)	<u>0sed</u> 110,647,868.6	143,447,772	372,022,542
Remaining Volume		32,799,903.4	261,374,673.4
Remaining Capacity			
Tons of Waste		19,023,943.97	151,597,310.6
Years (average)		2.89	22.94
Years (FY05-06)		2.40	19.16

Proposed Landfills in Eastern North Carolina



Forecast Imports / Exports

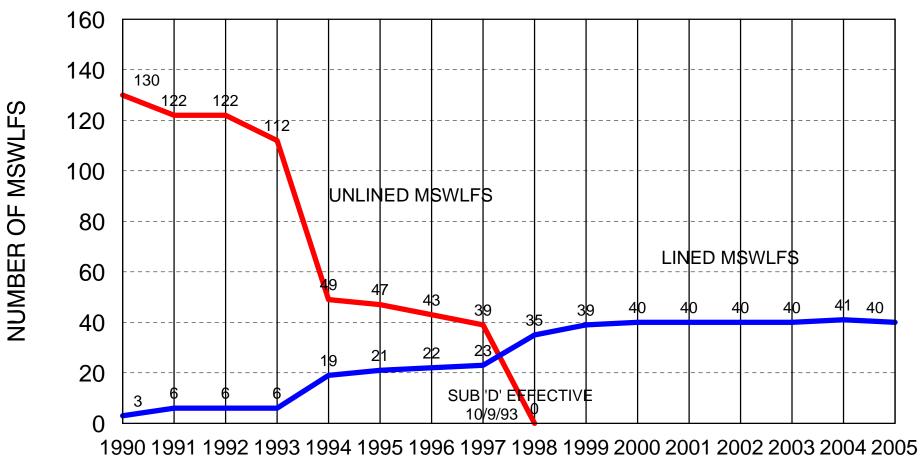


Fiscal Year





STATUS OF MSWLFS IN NORTH CAROLINA



YEARS



Solid Waste Management Act of 1989

Established:

Reporting requirements

Planning requirements

Landfill bans

New programs

Set goals and policies





Summary Issue Identification

- Increasing amount of waste
- Use of new/different facilities
- State regulatory staffing reductions
- Mobility of waste/inter-state movement
- Large in-state regional facilities
- Landfill ownership transfer
- Capacity (distribution & lack of acceptance)
- New landfills proposed for primarily out-of state waste
- Landfills proposed in areas not previously anticipated
- Legacy of old landfills

Proposed legislation for 2007

- 1. Strengthen financial/environmental qualifications review
- 2. Strengthen financial assurance associated with landfill ownership
- 3. Clarify landfill owner definition and ownership transfer notification
- 4. Strengthen state enforcement measures
- 5. Improve/strengthen landfill requirements for the *next generation* of landfills
- 6. Improve/strengthen performance of current landfills
- 7. Require environmental studies for large facilities
- 8. Fund state regulatory staff expansion through permit fee
- 9. Fund clean up of orphan landfills through fee on solid waste disposal

*Landfill requirements based on: experience in North Carolina, new technologies, need to provide improved protections to the public

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)



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