

DEKALB SANITARY DISTRICT

A FEW DECADES OF SANITARY SEWER
ENHANCEMENTS

Collection System Evaluation and Rehabilitation Costs - Annual Averages

DeKalb Sanitary District

SSES and Rehab Projects by Drainage Areas:

Total 1990-2006 (17 years)	\$5,553,709.73
Average Per Year 1990-2006 (17 years)	\$326,688.81
Total Since 1996 (1997-2006) (10 years)	\$3,532,267.16
Average Per Year Since 1996 (1997-2006) (10 years)	\$353,226.72

Miscellaneous Collection System Projects:

Fiscal Year 89/90 through FY 05/06 (17 years)	\$2,033,004.59
Average Per Year (17 years)	\$119,588.51
Total Since 1996 (96/97-05/06) (10 years)	\$993,433.41
Average Per Year Since 1996 (96/97-05/06) (10 years)	\$99,343.34

Combined Costs:

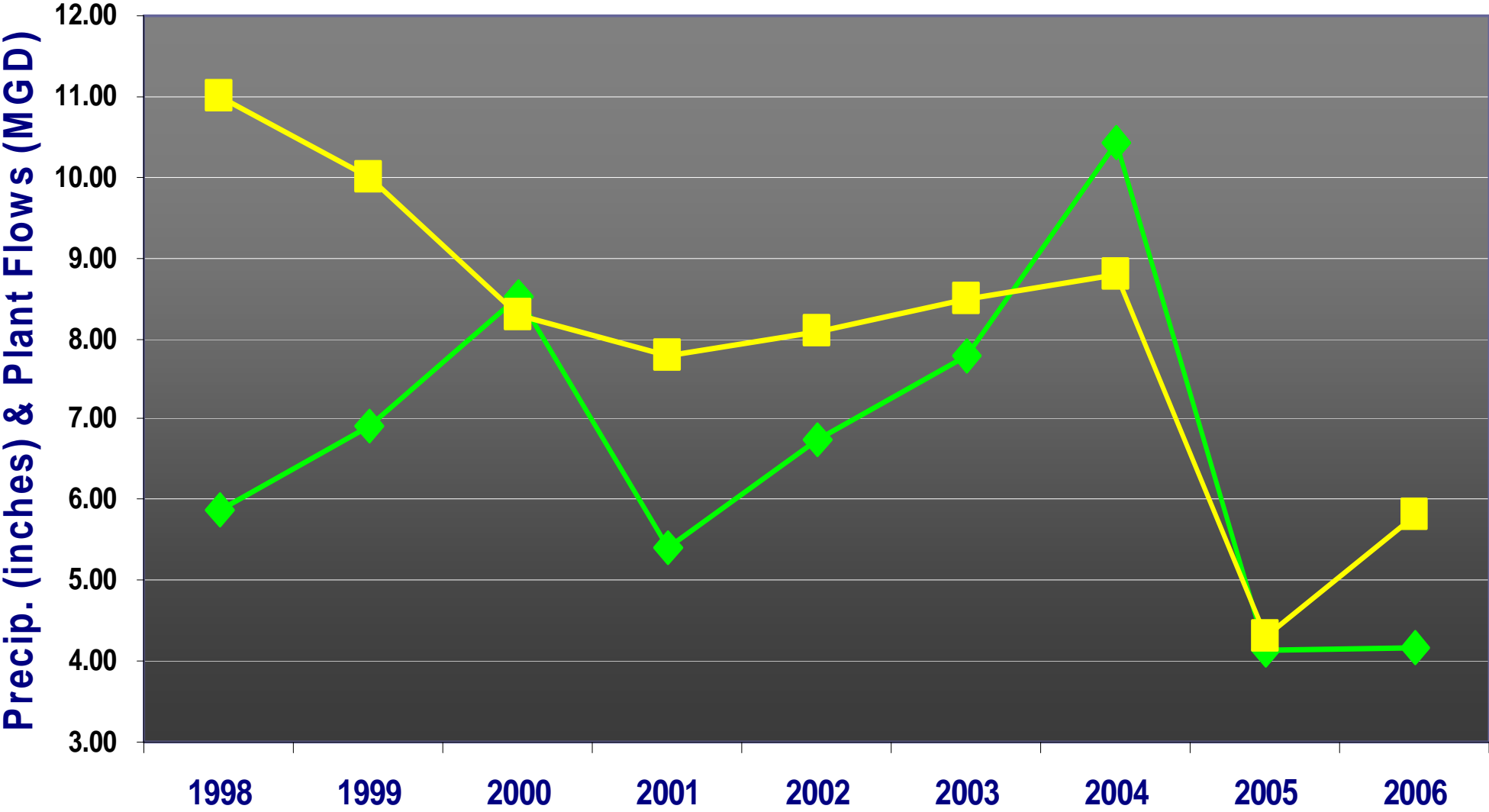
Total	\$7,586,714.32
Average Per Year	\$446,277.31
Total Since 1996	\$4,525,700.57
Average Per year Since 1996	\$452,570.06

DSD SEWER LINING WORK

(CIPP AND U-LINER*)

- **TOTAL SANITARY SEWER LINED
1992 THROUGH 2007
90,167 FT (17 OF 133 SYSTEM MILES)**
- **TOTAL STORM SEWER LINED
2004 THROUGH 2007
5378 FT.**

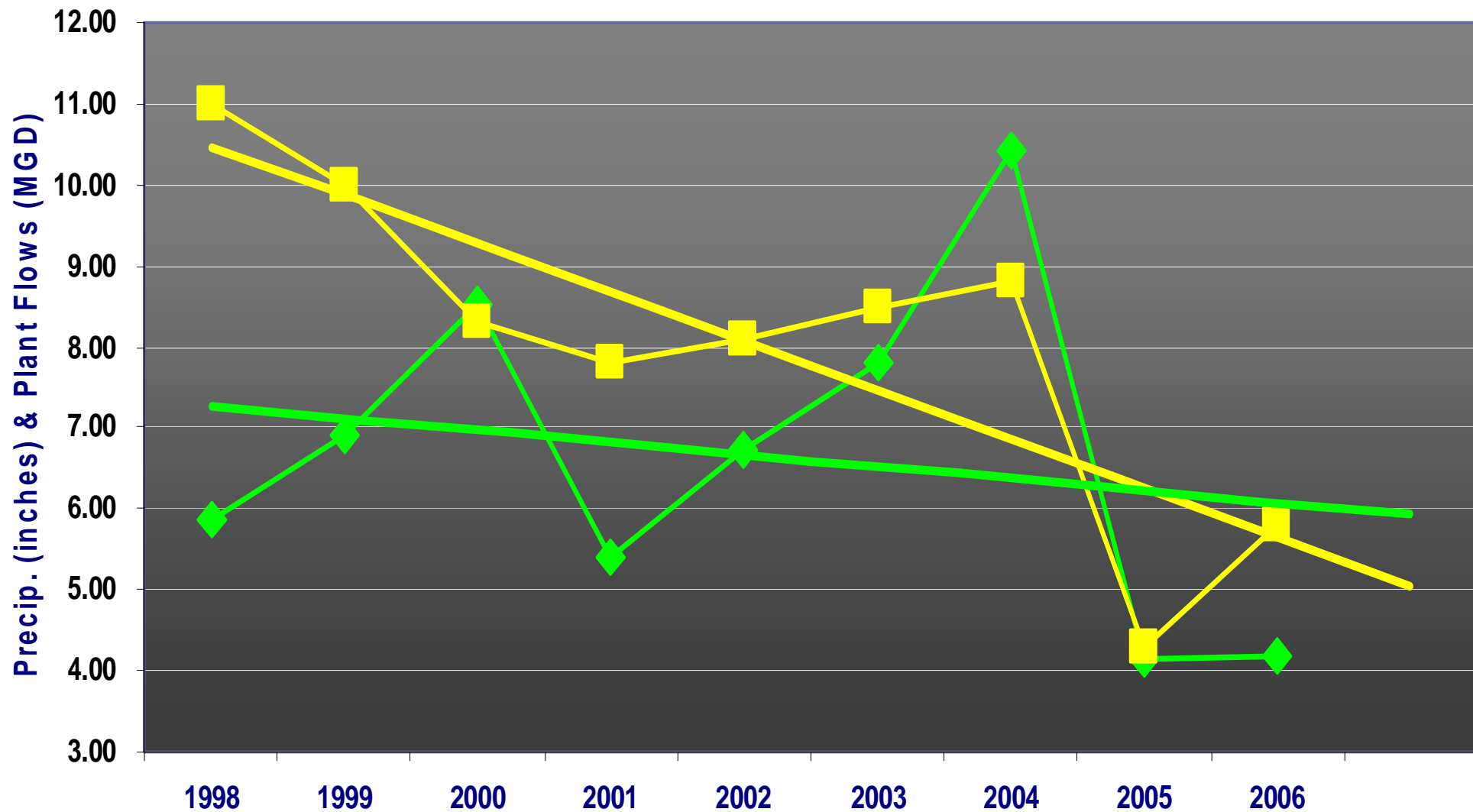
EACH YEAR'S WETTEST MONTH AND ASSOCIATED PLANT FLOW



◆ Wettest Month (inches)

■ Wettest Month (MGD)

EACH YEAR'S WETTEST MONTH AND ASSOCIATED PLANT FLOW



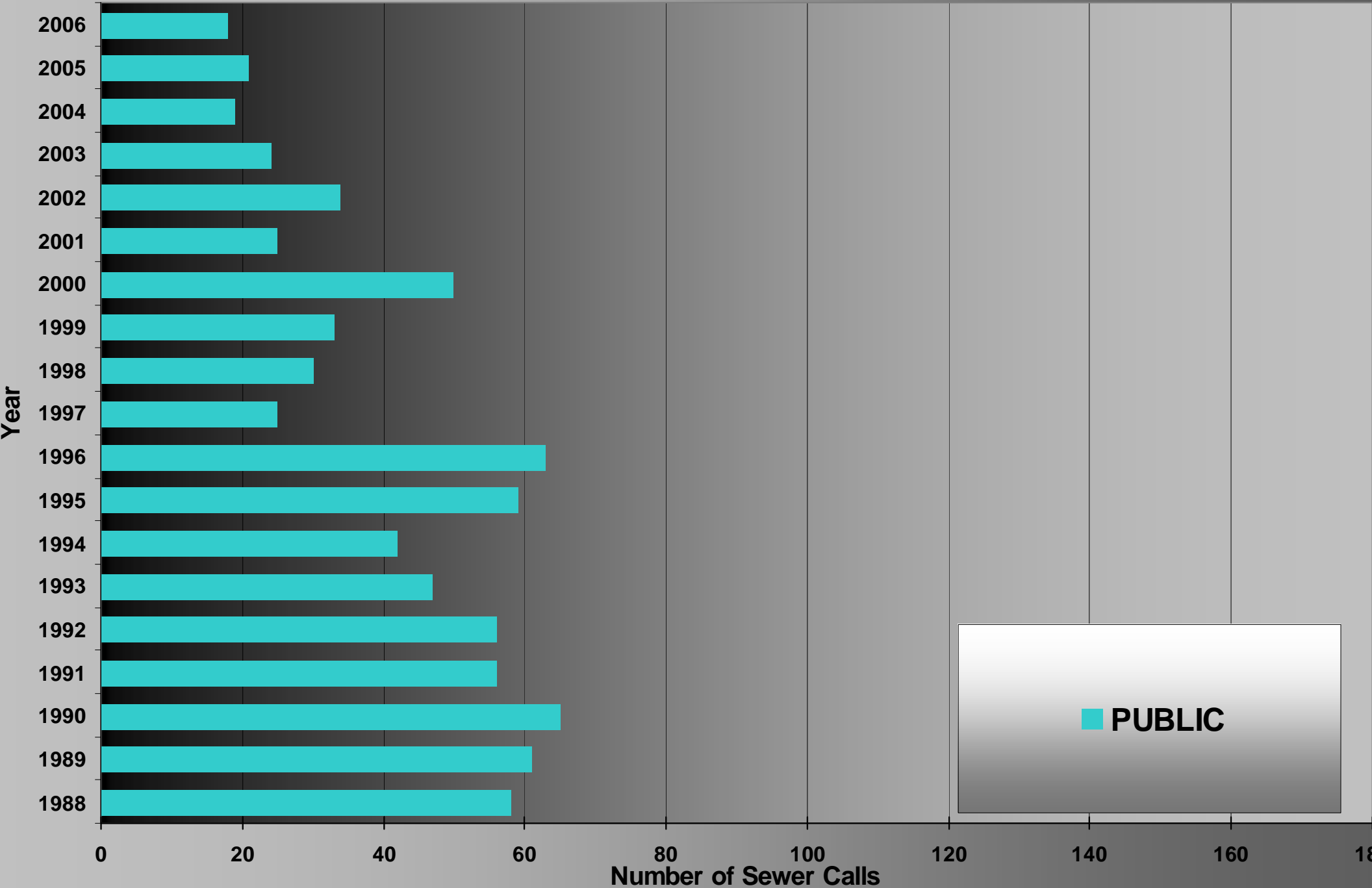
◆ Wettest Month (inches)

■ Wettest Month (MGD)

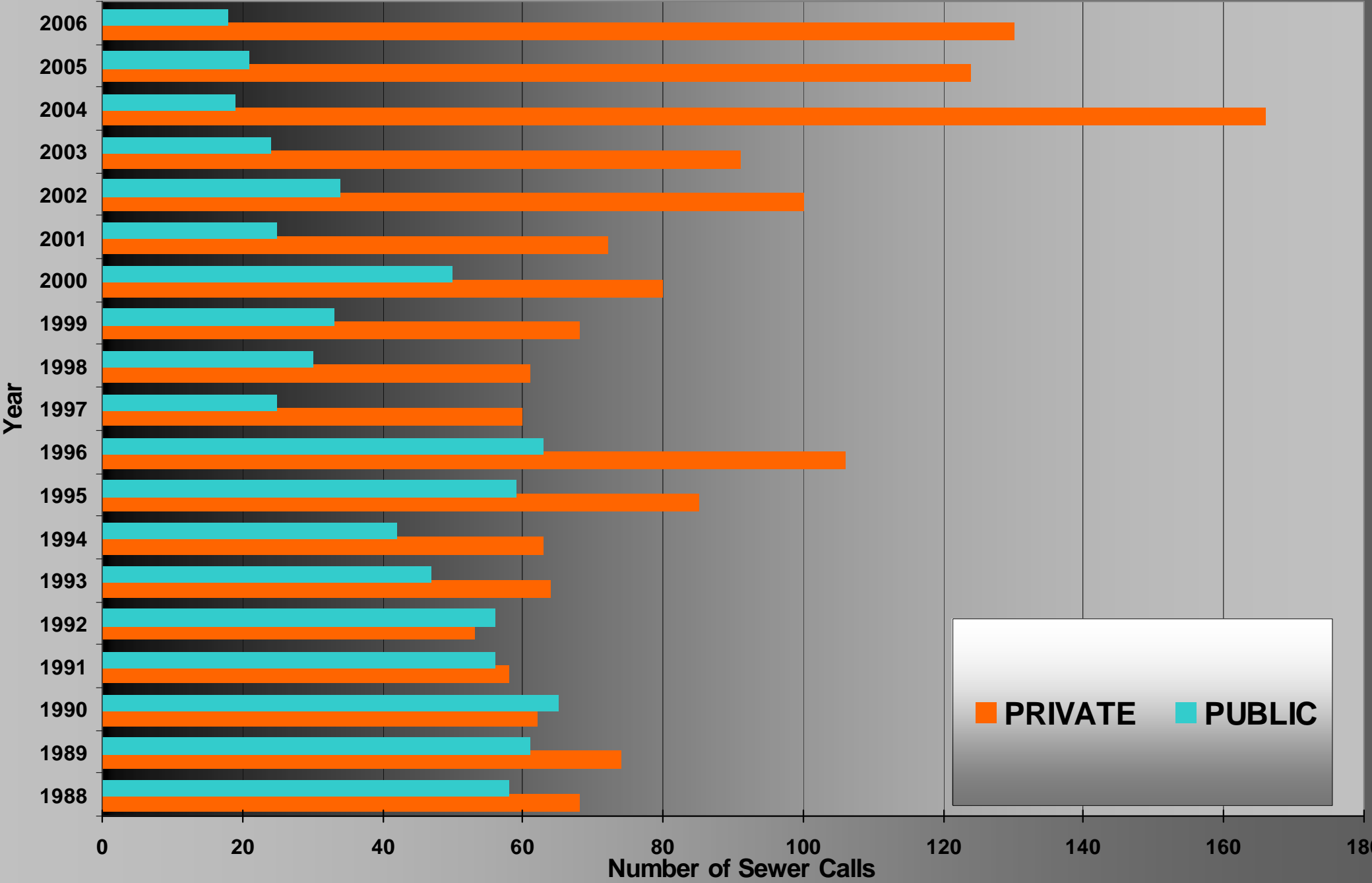
— Linear (Wettest Month (MGD))

— Linear (Wettest Month (inches))

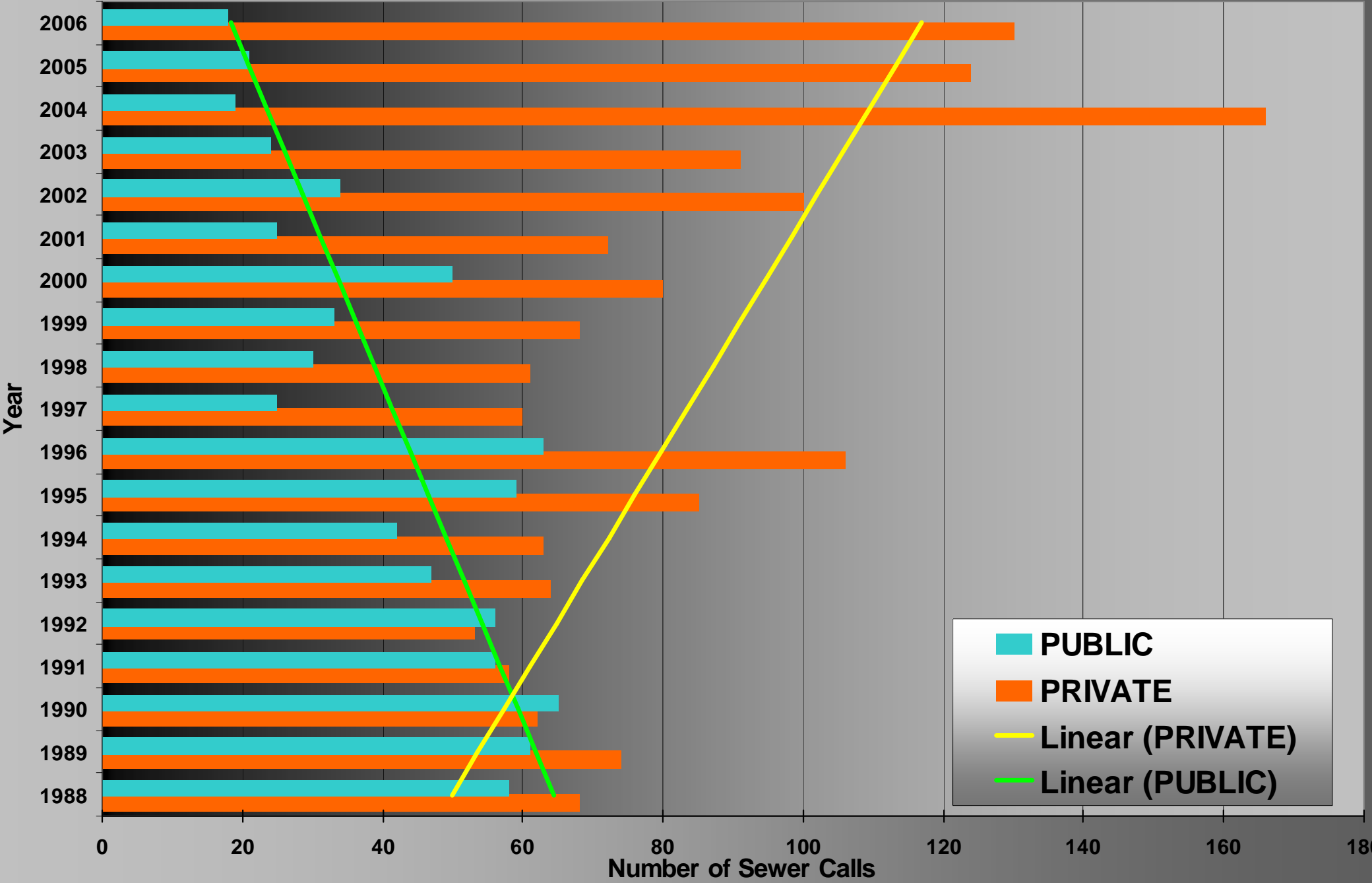
DeKalb Sanitary District Sewer Call Statistics



DeKalb Sanitary District Sewer Call Statistics



DeKalb Sanitary District Sewer Call Statistics



DSD Plant Design Data:

<u>Average Daily Flow</u>	8.63 MGD
<u>Peak Hourly Flow</u>	18.13 MGD
<u>Peak Excess Flow</u>	21.00 MGD
<u>Total Peak Flow</u>	39.13 MGD

On 8/24/07

**Peak Flow Through Treatment Facilities
Calculated to be 73.7 MGD**

08/24/2007



Storm Sewers & Service
"The Fi-

Storm Sewers & Service Laterals
"The Final Frontier in
Infiltration Reduction"

DeKalb Experience
1998

Storm Sewers & Service Laterals
"The Final Frontier in
Inflow and Infiltration Reduction"

...The DeKalb Experience

July 6, 1998

(Periodically Updated)
March 2007

DeKalb Sanitary District
303 Hollister Avenue
(815) 758-3513

(Periodically Updated)
March 2007

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303 Hollister Avenue
(815) 758-3513

Michael Zima
District Manager

