

TABLE 4a
CSO VOLUME CAPTURE TABLE - EXISTING CONDITIONS
(September 2001)

<u>Sewer Service Area/ Proposed Facilities</u>	<u>Average Annual Combined Sewage Volume Conveyed to Metro for Treatment (Million Gallons)</u> [1]	<u>Average Annual Volume of Combined Sewage Discharged (Million Gallons)</u> [2]	<u>Total Annual Combined Sewage Volume Generated by the Metro Combined Sewer Service Area (Million Gallons)</u> [3=1+2]	<u>Percent Capture</u> [4=1/3]	<u>Project Status As of May 2001</u>
Hiawatha RTF	116	24	140	83%	Construction
Harbor Brook In-Water System	638	172	810	79%	Planning
EBSS Upgrade	0	289	289	0%	Design
Teall Ave. FCF	77	7	84	92%	Construction
Midland RTF	728	322	1,050	69%	Planning
Clinton RTF	720	142	862	84%	Planning
Franklin FCF	683	83	766	89%	Operating
Maltbie FCF	69	21	90	77%	Operating
Sewer Separation Areas	95	33	128	74%	Varies by Area
Total	3,126	1,093	4,219	74%	

Notes:

- 1) During dry weather conditions, there is no flow from the EBSS to the Main Interceptor Sewer.
- 2) The basis of design for each regional facility is the 1-year, 2-hour duration design storm using 15-minute rainfall intervals, with the exception of the Harbor Brook In-Water System which is based upon 1/2 of the 1-year, 2-hour design storm using 15-minute intervals. EBSS is based upon the 90 percentile storm.
- 3) The estimated capture volumes provided in this table are based upon a SWMM model for the combined sewer system that was validated and calibrated using data collected during an extensive field monitoring program.

- 4) As the CSO evaluation report is intended to be a "living document", the capture volumes provided in this table will be updated to reflect the current information available at the time of each facility plan or design update.
- 5) Percent Capture refers to combined sewage captured for treatment at Metro and elimination of combined sewage overflows for separation areas.