

TABLE 4b
CSO VOLUME CAPTURE TABLE - FUTURE CONDITIONS (Treatment at Metro Only
(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 Additional Combined Sewage Volume Eliminated or Captured for Treatment at Metro (Million Gallons)</u> [2]	<u>Total Annual Combined Sewage Volume Eliminated or Captured for Treatment at Metro (Million Gallons)</u> [3=1+2]	<u>Total Annual Combined Sewage Volume Generated by the Metro Combined Sewer Service Area (Million Gallons)</u> [4]	<u>Percent Capture for Treatment at Metro</u> [5=3/4]
Hiawatha RTF	116	23	139	140	99%
Harbor Brook In-Water System	638	143	781	810	96%
EBSS Upgrade	0	220	220	289	76%
Teall Ave. FCF	77	0	77	84	92%
Midland RTF	728	192	920	1,050	88%
Clinton RTF	720	62	782	862	91%
Franklin FCF	683	0	683	766	89%
Maltbie FCF	69	0	69	90	77%
Sewer Separation Areas	95	33	128	128	100%
Total	3,126	673	3,799	4,219	90%

Notes:

- 1) The capture volumes for the Hiawatha RTF also reflect the additional flow conveyed to Metro by the Kirkpatrick Street Pump Station Upgrade.
- 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. The EBSS is based upon the 90 percentile storm.
- 3) During dry weather conditions, there is no flow from the EBSS to the Main Interceptor Sewer. Capture volumes reflect re-activation of the EBSS.
- 4) The capture volumes for Midland RTF include the Newell Street flows.
- 5) The capture volumes reflect the separation of 212.8 acres of combined sewer service area, as listed in the ACJ.
- 6) 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.
- 7) 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.
- 8) Percent Capture refers to combined sewage captured for treatment at Metro and elimination of combined sewage overflows for separation areas.