



Mercer Island Sewer System Overview

Reach 3

Reach 4

Reach 5

Private Sewer Laterals
Manholes

Local Sewer Line

Sewer Line

North King County Sewer Line to Mainland

Lake Washington

South King County Sewer Line to Mainland

How wastewater moves off Mercer Island

- A** Wastewater enters sewer lines from homes, businesses, and other buildings
- B** Sewer lines carry wastewater to a series of pump stations, which fall into 1 of 5 "reaches"
- C** Wastewater is then pumped through an underwater "lakeline," which sits just offshore, to 1 of 2 King Co. pump stations
- D** These stations pump wastewater off the Island – through 1 of 2 pipes under Lake Washington – to mainland treatment facilities

Average daily sewage flow
(last 9 months):
515,950
gallons/day total



2,400
Manholes
(Approx)



Sewer lakeline:

85,522

Feet (≈16.2 miles)

Runs 5-25 ft from shore

Buried 2-6 ft below lake bottom

Reach 2

→ Sewage Flow Direction

5
Collection "Reaches"
(Zones)

48
Special
Catch Basins

17
City Pump
Stations

1
City Flushing Station
(Station 12)

2
King County
Dept. of Natural Resources
Metro Pump Stations