

Figure 1. Overview map of Burrard Inlet, showing location of False Creek inlet.



Figure 2. Location map of False Creek and shoreline and mid-channel monitoring sites.



Figure 3. Location of CSO's, stormwater discharges and marinas in False Creek



Figure 4. Number of survey respondents partaking in secondary-contact recreation activities during the winter, spring summer and fall in each basin of False Creek.



Figure 6. Comparison of fecal coliform and enterococci weekly samples from May 29, 2002 to December 18, 2002 at Site F3, west of the Burrard Street bridge (correlation coefficient = 0.88, P < 0.001).



Figure 7. Comparison of fecal coliform and enterococci weekly samples from May 29, 2002 to December 18, 2002 at Site F12, near the Heather Street CSO discharge (correlation coefficient = 0.81, P < 0.001).



Figure 8. Comparison of fecal coliform enterococci weekly samples from May 29, 2002 to December 18, 2002 at Site F15, south of the Plaza of Nations (correlation coefficient = 0.79, P < 0.001).



Figure 9. Rolling geometric means of fecal coliform samples collected at Site 17 between 1990 and 2002.



Figure 10. Rolling geometric means of fecal coliform samples collected at Site 19 between 1990 and 2002.



Figure 11. Rolling geometric means of fecal coliform samples collected at Site 23 between 1990 and 2002.



Figure 12. Averages of all fecal coliform rolling geometric mean values calculated for shoreline sites in False Creek between May 8, 1990 and December 18, 2002 (error bars show +/- 1 standard deviation)



Figure 13. Averages of all fecal coliform rolling geometric mean values calculated for mid-channel sites in False Creek between May 29, 2002 and December 18, 2002 (error bars show +/- 1 standard deviation).



Figure 14. Comparison of averages of rolling geometric mean values calculated for fecal coliforms collected at shoreline (1990 - 2002) and mid-channel (2002) sites (error bars show +/- 1 standard deviation).



Figure 15. Averages of 4 geometric mean enterococci values calculated for mid-channel sites in False Creek between January 24 and March 14, 2002 (error bars show +/- 1 standard deviation). Relative location of CSOs shown.



Figure 16. Averages of 4 geometric mean enterococci values calculated for shoreline sites in False Creek between January 24 and March 14, 2002 (error bars show +/- 1 standard deviation). Relative locations of CSOs shown.



Figure 17. Averages of 26 geometric mean enterococci values calculated for mid-channel sites in False Creek between May 29 and December 18, 2002 (error bars show +/- 1 standard deviation). Relative location of CSOs shown.



Figure 18. Averages of 26 geometric mean enterococci values calculated for shoreline sites in False Creek between May 29 and December 18, 2002 (error bars show +/- 1 standard deviation). Relative location of CSOs shown.



Figure 19. Comparison of raw fecal coliform data collected weekly during winter and summer months at Site 01-16, west of Burrard Bridge near Coast Guard station.



Figure 20. Comparison of fecal coliform data collected during winter and summer months at Site 20, near Science World.



Figure 21. Comparison of fecal coliform data collected during winter and summer months at Site 21, near Plaza of Nations.



Figure 22. Comparison of raw fecal coliform concentrations at three shoreline stations (Site 16, west of Burrard St. Bridge; Site 21, near Plaza of Nations; and Site 20, near Science World) by month (data from 1990 to 2002).



Figure 23. Linear regression of fecal coliforms versus precipitation in the preceding 24 hours at Site 16.



Figure 24. Linear regression of fecal coliforms versus precipitation in the preceding 24 hours at Site 20.



Figure 25. Linear regression of fecal coliforms versus precipitation in the preceding 24 hours at Site 21.



Figure 26. Regression of CSO discharges from Heather Street CSO and precipitation in the preceding 24-hour period.



Figure 27. Comparison of Heather Street CSO discharges with enterococci concentrations at sites F10 and F12.



Figure 28. Comparison of fecal coliform concentrations and salinity at Site 16.



Figure 29. Comparison of fecal coliform concentrations and salinity at Site 20.



Figure 30. Comparison of fecal coliform concentrations and salinity at Site 21.



Figure 31. Percent attainment of enterococci geometric means at shoreline and mid-channel sites with B.C. Secondary-contact Recreation Guidelines based on 1.6% illness rate (geometric mean < 100/100 mL)



Figure 32. Percent attainment of enterococci geometric means at shoreline and mid-channel sites with EPA Secondary-contact Recreation Guidelines based on 1.9% illness rate (geometric mean < 175/100 mL)



Figure 33. Percent attainment of enterococci geometric means at shoreline and mid-channel sites with EPA Secondary-contact Recreation Guidelines based on recommended 1.4% illness rate (geometric mean < 70/100 mL)