

**Table 10-1.** Summary of hydrographic survey cruises of the coastal ocean off Huntington Beach during the summer of 2001. The sampling grid is shown in Figure 10-1.

Survey Number	Period of Sampling (PDT)	Overall Conditions	Plume Location
1	May 21 (1200)- May 22 (1200)	Stratified Upcoast flow (inferred from plume observations)	Upcoast from outfall and below 20 m
2	June 19 (1200)- June 21 (1200)	Stratified Downcoast flow throughout water column	Downcoast from outfall and away from coast
3	July 5 (1200)- July 7 (1200)	Stratified Slow upcoast flow below 30 m, downcoast flow above 30 m	Plume is centered over diffuser and oscillates across shelf with tides. Evidence of plume in canyon
4	July 19 (1200)- July 21 (1200)	Stratified Sheared flow below 25 m, downcoast flow above 25 m	Plume spreading upcoast below 30 m and remaining offshore
5	Aug 19 (1200)- Aug 21 (1200)	Stratified Upcoast flow below 40 m, downcoast flow above 40 m	Plume advecting downcoast and offshore
6	Sept 15 (1200)- Sept 17 (1200)	Stratified Downcoast flow throughout water column	Plume advecting downcoast. Clear evidence in all indicators of plume in Newport Canyon near its head