

LIST OF TABLES

Table 2.1	Physical properties of common earth materials.....	21
Table 2.2	Surface geophysical methods and related physical properties being delineated.....	22
Table 3.1	Current issues in water management.....	51
Table 3.2	Methods of saving water to improve water use efficiency.....	58
Table 3.3	Savings per household from changing to water efficient fixtures.	67
Table 4.1	Basic Statistical Data for Annual Precipitation, North Pender Island.....	80
Table 4.2	Periods of Drought on North and South Pender Islands.....	83
Table 4.3	Monthly Precipitation Statistics (based on period 1925-2002).....	85
Table 5.1	Stratigraphic units of the Nanaimo Group occurring on North and South Pender Islands.....	101
Table 5.2	Hydrogeological characteristics of Nanaimo Group sandstone units, North Pender Island.....	110
Table 5.3	Statistical data based on water well information for North Pender Island.....	112
Table 5.4	Best producing water wells on North Pender Island.....	114
Table 5.5	Statistical data based on water well information for South Pender Island.....	118
Table 5.6	Best producing water wells, South Pender Island	119
Table 6.1	Geophysical survey locations and geophysical methods used.....	127
Table 6.2	Physical property of soil and bedrock units investigated on North and South Pender Islands.....	128
Table 7.1	National, Provincial, and Regional Parks on South Pender Island	188
Table 7.2	Storage capacity of North Pender Island groundwater basins.....	193
Table 7.3	Storage capacity of South Pender Island groundwater basins.....	202
Table 8.1	Comparison of water system costs in western Canada.....	221
Table 8.2	Water quality testing, Razor Point Improvement District.....	224
Table 8.3	Recommended reasonable water use for essential domestic purposes.....	227
Table 8.4	Water use balance, Municipal District of Trincomali.....	229
Table 8.5a	Water balance for Municipal District of Trincomali on current 79 developed lots.....	231
Table 8.5b	Water balance for Municipal District of Trincomali assuming full build out of 104 lots.....	231
Table 8.6a	Water balance for North Pender Island on the 2001 census population of 1,776.....	235
Table 8.6b	Water balance for North Pender Island assuming full build out population of 4,200.....	235
Table 8.7a	Water balance for South Pender Island on the 2001 census population of 159.....	236
Table 8.7b	Water balance for South Pender Island assuming full build out population of 990.....	236
Table 9.1	Prescriptive approach to natural setting investigations.....	245

Table 9.2	Questionnaire on water supply and water conservation.....	260
Table 9.3	Composition of governing bodies for groundwater basins, South Pender Island.....	262