

Springs below the mine will be sampled to determine discharge and water quality parameters and their possible variation with time. These springs include [SBC-14](#), [Big Bear Springs](#), [COP Development Springs](#), and [Birch Springs](#) ([Plate 7-4](#)). Periodic checks will be made of the mine area to determine any impact not currently expressed at the surface. This data will be used to estimate seasonal fluctuations, aquifer recharge and consistent long-term changes and to ensure that no impacts occur. Springs above the mine will be monitored for field parameters, since the potential for impact to these springs is quantity rather than quality. [SBC-9A](#) and [SBC-4](#) will be monitored for lead quality.

Groundwater monitoring will follow the ground water sampling guidelines as shown in [Table 7-12](#) using the water quality parameter list in [Table 7-13](#). These tables follow the recommendations presented in [Appendix 7-J](#). New significant occurrences within the present permit area will be promptly included in the sampling program, as specified by state requirements. Operational ground water monitoring will continue through reclamation to Bond Release.

The sampling matrix for each of the existing monitoring stations during the operational phase of mining is included in [Table 7-14](#). No baseline data is available for [SBC-17](#), but will be collected in 2000 and 2001, prior to mining occurring within the vicinity of this spring. Baseline samples will be collected for [SBC-14](#), [SBC-15](#), [SBC-16](#), [MW-114](#) and [MW-117](#) in 2001.