

Hot Spring Island, Queen Charlotte Islands.—No analysis of the thermal waters from the spring on this island is available, the only information at hand is that found in the report on the Queen Charlotte Islands, by Dr. G. M. Dawson, (Geol. Survey Rep., 1878-9, p. 22 B). "On the south side of Hot Spring Island is the spring from which it has been so named. Its situation is easily recognized by a patch of green, mossy sward, which can be seen from a considerable distance. Steam also generally hovers over it. The actual source of the water is not seen, but is probably not far from the inner edge of the mossy patch. * * I had no thermometer reading sufficiently high to take the temperature of the warmest streams, in which the hand could scarcely be held with comfort. * * The water has a slight smell of sulphuretted hydrogen, and a barely perceptible saline taste. The stones over which it flows, in some places show traces of a whitish deposit, and the streams and pools are choked with a slimy confervoid growth."

Nanaimo, Vancouver Island.—In Geol. Surv. Rep., 1872-73, p. 52, is an analysis of a saline water, from the so-called "Salt Spring at Nanaimo." The water, according to Mr. Jas. Richardson, who collected the specimen, issues from the coal-bearing strata near the Douglas seam, and had, in 1872, an estimated flow of about 3,500 gallons per diem. The Hudson Bay Co., prior to that date, had erected a building near the spring with the intention of manufacturing salt from the water, but the enterprise was abandoned, probably on account of the impurities the product would contain.

Chloride sodium .....	.39	117	Carbonate iron	traces
" potassium .....	.627		Alumina .....	.038
" calcium	10.049		Silica .....	.038
" magnesium .....	.135			
Sulphate lime	1.803		In 1000 parts of water	52.154
Carbonate lime .....	.347		Specific gravity	1.039.00

Shuswap Lake.—In Geol. Surv. Rcp., 1877-78, p. 25 B, Dr. G. M. Dawson describes a spring on the Spallumsheen Arm, Shuswap Lake. The spring is known to the Indians as "Pil-pil-poopil," and flows into a shallow bay. No data regarding the character of the water are available, beyond the fact that it has a faint, ferruginous taste, and traces of sulphuretted hydrogen. The temperature of the water as it comes to the surface of the bay was, in August, 1877, 70° F.