Table 1.--Data on springs

(Locations are shown on figure 1. Gallons per day were computed from area of cross section of stream and estimated rate of flow, and may be subject to considerable error.)

Spring No.	Lab. Sample No.	pH	Uranium in ppb. 1954	Gallons per day	Est. output lbs. U per year	Horizon of spring	Remarks
1	141481 141483	7.5 7.5	11 12	700,000	24	Upper part of Tensleep Sandstone	
2	141480 141482	7.5 7.5	9 9	6,000	----------	Near top of Tensleep Sandstone	
3	219622	7.9	23	32,000	2	Minnekahta Limestone	
4	219629 219630	8.1 8.1	22 22	3,000	----------	Top of Tensleep Sandstone	Water emerges close to normal fault. In average years, flow is much larger than in 1954. Sparse metatyuyamunite in calcite veins 300 feet northwest; principal metatyuyamunite occurrences 300 feet or more southwest.
5	219627 219628	7.9 7.8	23 23	57,000	4	Top of Tensleep Sandstone	Spring is on a direct southeastward projection of one of the large calcite veins containing metatyuyamunite and apparently emerges from the lower part of this calcite-filled fissure.
6	219625 219626	7.8 7.6	23 24	646,000	46	50 feet below top of Tensleep Sandstone	Water apparently emerges from a fissure partially filled with calcite that contains sparse metatyuyamunite. Travertine deposits 10 feet or more thick have accumulated directly below point of emergence of water.
7	219623 219624	7.7 7.8	24 26 (rerun: 22.5 23.0)	646,000	47	25 feet below top of Tensleep Sandstone	Point of emergence is about 450 feet south-southeast of some of the most abundant metatyuyamunite in calcite veins.
8	219631 219632	7.9 8.0	25 23	162,000	12	Top of Tensleep Sandstone	Cayton Spring
9	219633	8.1	27	14,000	1	Upper part of Tensleep Sandstone	Point of emergence is directly east of conspicuous smooth dip slope of Tensleep Sandstone.
10	219635 219636	7.8 7.8	14 14	646,000	27	Top of Tensleep Sandstone	
11	219637 219638	7.7 7.6	18 6	88,000	3	Middle of Chugwater Formation	Water emerges at a single point on the nearly flat valley floor.
12	219639 219640	7.5 7.6	6 2	3,000	----------	Rubble of Madison Limestone	Point of emergence is near large thrust fault. In average years, flow is much larger than in 1954.