

Table 8.--Summary of ground-water discharges, dissolved-solids concentrations, and related geologic sources

Range of discharge: Springs only.

Predominant inorganic chemical constituents: Ca, calcium; Cl, chloride; HCO_3 , bicarbonate; Mg, magnesium; Na, sodium; SO_4 , sulfate.

Range of discharge: Measurements made in 1975-76.

	Number of wells and mines sampled	Number of springs sampled	Range of discharge (gal/min)	Range of dissolved solids- concentration (mg/L)	Predominant inorganic chemical constituents
Quaternary alluvium	2	2	168-206	778-1,790	$\text{MgCaSO}_4\text{HCO}_3$
Wasatch Formation	--	2	.66-2.7	325-745	CaNaHCO_3
Colton Formation	--	1	11	--	MgCaHCO_3
Green River Formation					
Flagstaff Limestone Member	--	20	.19-30	142-662	CaMgHCO_3
North Horn Formation	--	18	.20-121	148-469	CaMgHCO_3
Price River Formation	--	11	.22-120	122-792	CaMgNaHCO_3
Castlegate Sandstone	2	1	.25	315-806	CaHCO_3
Blackhawk Formation	9	6	.30-18	63-796 ^{1/}	$\text{CaMgHCO}_3\text{SO}_4$
Starpoint Sandstone	--	2	1.3-50	335-391	$\text{CaMgHCO}_3\text{SO}_4$
Mancos Shale					
Masuk Member	--	1	28	304	CaMgHCO_3
Blue Gate Member	1	--	--	4,040	$\text{CaMgHCO}_3\text{SO}_4$
Ferron Sandstone Member	3	--	--	652-1,230 ^{2/}	$\text{NaSO}_4\text{HCO}_3$
Summerville Formation	--	1	.5	3,280	MgCaSO_4
Entrada Sandstone	1	--	--	6,810	CaNaSO_4Cl
Carmel Formation	1	--	--	3,550	CaMgSO_4

^{1/} One other sample from the Blackhawk Formation contained 1,600 mg/L, but some of the water may be derived from the Mancos Shale.

^{2/} Two other samples from the Ferron Sandstone^{Member} contained 5,100 and 3,450 mg/L respectively, but the samples are probably a mixture of water from the Blue Gate and Ferron Sandstone.Members.