Summary of well yield and spring discharge, Cenozoic hydrogeologic units, Wyoming.

[gal/min, gallons per minute; (gal/min)/ft, gallons per minute/foot of drawdown; ft²/day, feet squared per day; GRB, Green River Basin; GWS, Great Divide–Washakie–Sand Wash Basins; FB, Fossil Basin; RSU, Rock Springs Uplift]

Region	U.S. Geological Survey National Water Information System (NWIS)						Other sources			
	Well yield				Spring discharge		Well yield		Spring discharge	
	Flowing		Pumped		Flowing		Flowing and pumped		Flowing	
	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)	Count	Range (median) (gal/min)
Undifferentiated Quaternary deposits										
GRB					3	2–150 (7)				
Alluvium and colluvium deposits										
GRB	1	4	30	0.2–85 (5)	4	20–300 (138)	10	5–97 (22)		
GWS			5	2–9 (8)	2	1; 15	13*	0.3–25 (12*)		
FB			6	6–12 (8)						
Landslide deposits										
GRB					4	2–200 (19)				
GWS					5	2–20 (5)				
Dune sand (eolian) deposits										
GWS			2	2, 3	2	1, 20	2	5; 200		
Glacial deposits										
GRB							5	15–25 (25)		
Terrace deposits										
GRB			1	8	5	7–225 (35)				
FB	1	20	1	270	2	4; 8				
Alkalic extrusive and intrusive igneous rocks										
RSU					1	5				
Undifferentiated Tertiary units										
GRB							1	3		
GWS							45	11–30 (*)		
Browns Park Formation										
GRB										
GWS			3	4–7 (6)	13	0–250 (1)	11	2–25 (15)		
Bishop Conglomerate										
GRB			1	42	5	5–200 (15)				
Undifferentiated Eocene units										
GRB			2	25; 60			6	20–60 (40)		
GWS							*	30–100 (*)		
FB					2	20; 75				
Washakie Formation										
GWS	2	2; 17			6	0.3–650 (6)				
Bridger Formation										
GRB	2	30; 44	8	6–32 (11)	12	0.5–150 (4)	34	2–100 (20)		
Undifferentiated Bridger and Wasatch Formations										
GRB							1	3		
Green River Formation										
GRB	1	12	2	12; 25			10	2–45 (28)		
GWS			1	16			6	15–250 (134)		
Laney Member of the Green River Formation										
GRB	5	1–5 (2)	23	2–2,250 (17)	7	2–2,700 (10)	21*	1–300 (25*)		
GWS	1	1	3	5–40 (9)	11	0.5–500 (4)	2	10; 100	1	1
Wilkins Peak Member of the Green River Formation										
GRB	1	2			10	0.8–75 (4)	3*	1–5 (2*)		
GWS					5	0.5–50 (3)				
Farson Sandstone Member of the Green River Formation and/or Alkali Creek Tongue of the Wasatch Formation										
GRB	2	1; 6	17	7–30 (15)	1	15	3*	18–26 (25*)		
Tipton Shale Member of the Green River Formation										
GRB	4	5–26 (18)			3	1–9 (6)	4	20–170 (24)		
GWS	1	12			4	2–15 (4)				
Fossil Butte Member of the Green River Formation										
FB					6	1–80 (25)				
Angelo Member of the Green River Formation										
FB									1	2
Wasatch Formation										
GRB	31	1–440 (20)	116	2–302 (20)	21	0.2–200 (2)	141*	1–688 (25*)	1	1
GWS	6	2–50 (7)	21	4–55 (15)	8	0.1–15 (3)	50*	3–325 (30*)		
FB					19	0.1–80 (10)			5	3–15 (5)
Cathedral Bluffs Tongue of the Wasatch Formation										
GRB	6	20–30 (25)					*	18–27 (*)		
GWS			1	15	15	0.2–200 (6)	4	15–125 (52)		
LaBarge Member of the Wasatch Formation										
GRB	4	3–280 (12)	8	0.5–48 (4)	1	5	16*	30–295 (115*)		
Niland Tongue of the Wasatch Formation										
GRB							6	3–40 (30)		
Chappo Member of the Wasatch Formation										
GRB					1	0.01				
Bullpen Member of the Wasatch Formation										
FB					1	22			1	5
Tunp Member of the Wasatch Formation										
FB					1	40				
Almy Formation (Wasatch Formation)										
GRB										
Battle Spring Formation										
GWS	2	1; 400	3	10–20 (10)	1	3	17	5–300 (55)	2	2; 20
Fort Union Formation										
GRB	1	5			1	100				
GWS	1	20	8	3–90 (37)	1	1	13*	0.02–220 (30*)		
Evanston Formation										
FB					2	1,000; 1,000				

* Number of values from original sources could not be determined.
(*) Actual median could not be calculated.

Summary of hydraulic properties, Cenozoic hydrogeologic units, Wyoming.

[gal/min, gallons per minute; (gal/min)/ft, gallons per minute/foot of drawdown; ft²/day, feet squared per day; ft/day, feet per day; GRB, Green River Basin; GWS, Great Divide-Washakie-Sand Wash Basins; FB, Fossil Basin; RSU, Rock Springs Uplift]

Region	Well yield and (or) spring discharge		Specific Capacity		Transmissivity		Porosity		Hydraulic conductivity		Storativity/storage coefficient	
	Count	Range (gal/min)	Count	Range [(gal/min)/ft]	Count	Range (ft²/day)	Count	Range (percent)	Count	Range (ft/day)	Count	Range (unitless)
Undifferentiated Quaternary rocks												
GRB	3	2–150										
Alluvium and colluvium deposits												
GRB	45	0.2–300	9	0.6–20	11	40–2,680			1	27		
GWS	20*	0.3–25	1	2								
FB	6	6–12										
Landslide deposits												
GRB	4	2–200										
GWS	5	2–20										
Dune sand (eolian) deposits												
GWS	6	1–200	1	0.33								
Glacial deposits												
GRB	5	15–25	3	1.1–5	5	120.6–4,020						
Terrace deposits												
GRB	6	7–225										
FB	4	4–270										
Alkalic extrusive and intrusive igneous rocks												
RSU	1	5										
Undifferentiated Tertiary rocks												
GRB	1	3										
GWS	45	11–30	45	1–3	70	0.1–423	25	12–39				
Browns Park Formation												
GRB	1	90										
GWS	27	0–250	13	0.03–6.25	11	13.4–1,340						
Bishop Conglomerate												
GRB	8	5–200										
Undifferentiated Eocene units												
GRB	8	20–60										
GWS	na*	30–100							na*	0.01–0.5		
FB	2	20; 75										
Washakie Formation												
GWS	8	0.29–650										
Bridger Formation												
GRB	56	0.5–150	28	0.1–5	33	4–5,223			28	0.03–423	1	0.00004
Undifferentiated Bridger and Wasatch Formations												
GRB	1	3										
Green River Formation												
GRB	13	2–45	3	1–2	5	20–161			2	0.1; 0.5		
GWS	7	15–250			1	130						
Laney Member of the Green River Formation												
GRB	55	1–2,700	6	0.1–150	15	5.36–47,900	1	34	18	0.2–1,450	3	0.0005–0.008
GWS	18	0.5–500			1	953			1	5		
Wilkins Peak Member of the Green River Formation												
GRB	14*	0.8–75										
GWS	5	0.5–50										
Farson Sandstone Member of the Green River Formation and (or) Alkali Creek Tongue of the Wasatch Formation												
GRB	23*	1–30	2	0.8; 1	6	26–707			7	0.2–46		0.000000001
Tipton Shale Member of the Green River Formation												
GRB	11	1–170			1	40	1	24	na*	0.05–11	1	0.00003
GWS	5	2–15										
Fossil Butte Member of the Green River Formation												
FB	6	1–80										
Angelo Member of the Green River Formation												
FB	1	2										
Wasatch Formation												
GRB	310*	0.25–688	52*	0.2–31	158	0.09–40,836	4	20–25	270	0–2,106	7	0.000000001–0.005
GWS	84*	0.1–325	9	0.2–10	32	11–1,340	13	7–29	16*	0.004–9.1		
FB	24	0.1–80										
Cathedral Bluffs Tongue of the Wasatch Formation												
GRB	8*	18–30	1	0.2	1	90					1	0.000000002
GWS	20	0.2–200	4	0.2–50	4	80–13,400						
LaBarge Member of the Wasatch Formation												
GRB	29*	0.5–295	10	0.2–6	18*	46–2,680			2	0.6; 8	9	0.0001–0.001
Niland Tongue of the Wasatch Formation												
GRB	6	3–40										
Chappo Member of the Wasatch Formation												
GRB	1	0.01										
Bullpen Member of the Wasatch Formation												
FB	2	5–22										
Tunp Member of the Wasatch Formation												
FB	1	40										
Almy Formation (Wasatch Formation)												
GRB					5	3–134	9	14–29	6	0.03–1		
Battle Spring Formation												
GWS	25	1–400	13	0.1–1	12	20–880	1	17	6	0.0007–10	1	0.03
Fort Union Formation												
GRB	2	5; 100			13	0.01–24	10	9–23	66	0.00004–1,134		
GWS	23*	0.02–220	7	0.001–75	30	0.2–20,100			11*	0.001–938	9	0.00000002–0.0003
Evanston Formation												
FB	2	1,000										

* Values reported as range in original source so count cannot be determined.

Plate 4 – Summary of well yield, spring discharge, and hydraulic properties, Cenozoic hydrogeologic units, Wyoming Greater Green River Basin.