

Table 5.--Stream-discharge measurements in the study area

Site No.: Identifies site in figure 2.

Discharge: Measurements are good (5 percent error, or less), except; a, fair (8 percent error); and b, (More than 8 percent error).

Specific Conductance: In micromhos per centimeter at 25°C.

Site No.	Measurement Site	Date	Time	Discharge (ft <sup>3</sup> /s)	Temperature (°C)	Specific Conductance	Remarks
1	Fremont River 50 feet above Fish Creek, near Torrey	5- 4-77	0810	30.3	8.0	650	
		5- 5-77	0815	30.4	-	-	
2	Fremont River above park diversion, at Fruita	5- 4-77	1155	b 28.8	-	-	
		5- 5-77	1510	b 29.0	-	-	
3	Fremont River 1.55 miles above Grand Wash, near Fruita	8-22-75	1000	40.7	-	-	Near Navajo-Kayenta (lower) contact.
		9- 3-75	0600	26.3	14.0	640	pH 8.2.
		10-30-75	1300	81.6	-	-	
		12-17-75	1340	a 90.3	-	-	Some floating ice.
		12-30-75	1250	106	10.0	460	
		3-25-76	1040	88.3	-	-	
		5-11-76	1410	53.4	-	-	
		10- 6-76	1006	49.5	-	-	Water nearly clear after being silty yesterday.
		5- 4-77	1350	29.5	-	-	
		5- 5-77	0935	30.6	-	-	
4	Fremont River 0.4 mile downstream from Grand Wash, near Fruita	9- 3-75	0800	29.0	13.5	710	Near middle of Navajo outcrop.
		10-30-75	1330	78.1	-	-	
		12-30-75	1355	102	-	-	
		5-11-76	1510	50.4	-	-	
		10- 6-76	1133	52.3	11.0	-	
		5- 4-77	1600	32.4	-	-	
5	Fremont River 2.75 mile below Grand Wash, near Fruita	5- 5-77	1130	29.6	-	-	
		8-22-75	1100	42.0	-	-	Near Navajo-Carmel (upper) contact.
		9- 3-75	0700	28.1	13.4	695	pH 8.2.
		10-30-75	1520	85.7	7.0	690	
		12-17-75	1550	103	-	-	Some floating ice.
		12-30-75	1505	104	-	-	
		3-25-76	1240	87.4	-	-	
		5-11-76	1625	50.6	20.0	900	
		10- 6-76	1250	49.4	-	-	
		5- 4-77	1815	29.3	17.0	670	
6	Oak Creek 0.75 mile below South Fork, near Sandy Ranch	5- 5-77	1330	27.7	-	-	
		10-28-76	1335	3.27	4.5	340	Some thin ice seen downstream.
7	Oak Creek 2.6 miles below South Fork, near Sandy Ranch	10-28-76	1445	3.00	7.5	340	0.1 mile below fault through Chinle-Wingate contact.
8	Oak Creek 3.6 miles below South Fork, near Sandy Ranch	9- 3-75	1540	5.30	24.5	220	Near Navajo-Kayenta (lower) contact.
		10-28-76	1555	2.90	-	-	
9	Oak Creek 300 feet above diversion dam, near Sandy Ranch	9- 3-75	1435	4.35	24.0	230	On Navajo Sandstone.
10	Pleasant Creek at Pleasant Creek Ranch, near Fruita	10- 9-75	1400	6.61	11.0	275	
11	Pleasant Creek 0.8 mile below Pleasant Creek Ranch, near Fruita	10- 9-75	1510	6.62	13.0	275	
12	Pleasant Creek 1.6 miles below Pleasant Creek Ranch, near Fruita	8-21-75	1330	7.33	-	-	0.25 mile downstream from Navajo-Kayenta (lower) contact.
		10- 9-75	1620	6.52	14.0	275	
13	Pleasant Creek approximately 3.1 miles below Pleasant Creek Ranch, near Notom	8-21-75	1500	6.77	-	-	Approximately 0.2 miles upstream from Navajo-Carmel (upper) contact.
14	Pleasant Creek 4 miles below Pleasant Creek Ranch, near Notom	8-21-75	1650	5.57	-	-	160 feet above park boundary fence.
		10- 9-75	1750	5.24	12.0	275	
15	Muddy Creek 150 feet above Lone Tree Crossing, near Emery	10- 6-75	1515	2.89	20.0	4,000	
16	Muddy Creek 300 feet below South Salt Wash, near Emery	10- 6-75	1340	2.69	19.0	4,000	No flow from mouth of wash, but water seen in South Salt Wash upstream.
17	Muddy Creek at Tomsich Butte, near Hanksville	9-24-75	1200	1.55	19.0	5,000	
		10- 7-75	1050	2.30	12.0	5,000	
18	Muddy Creek 100 feet below Delta Mine, near Hanksville	10- 7-75	1600	.26	-	6,000	Site approximately 0.25 mile below gaging station 3327.
19	Muddy Creek approximately 1 mile above Salt Wash, near Hanksville	9-23-75	1600	.24	20.0	4,500	Site approximately 300 feet upstream from Navajo-Carmel (upper) contact.
20	Muddy Creek 900 feet above Salt Wash, near Hanksville	9-23-75	1430	.33	27.5	5,000	
21	Salt Wash at road crossing below Caine Springs, near Hanksville	8- 5-75	--	b 1.94	27.5	>8,000	All of flow is discharge from Caine Springs.
		2- 3-76	1600	2.34	7.0	>8,000	
22	Salt Wash 150 feet above Muddy Creek, near Hanksville	9-23-75	1405	1.86	26.0	>9,000	
23	Muddy Creek at road crossing approximately 1 mile below Salt Wash, near Hanksville	10- 8-75	1730	2.36	15.5	>8,000	Recession of flood water.
		5-12-76	1645	13.5	24.0	6,000	
24	Muddy Creek 50 feet below Well Draw, near Hanksville	5-13-76	0915	11.0	12.0	6,200	Do.
25	Dirty Devil River 8.4 miles below Muddy Creek, near Hanksville	9-20-76	1805	23.5	-	-	Site is approximately 1.5 miles downstream from Navajo-Carmel (upper) contact.
		9-21-76	0935	17.7	14.5	1,500	
			1102	19.2	-	-	
		10-14-77	0910	61.1	-	-	
26	Dirty Devil River 300 feet above Robbers Roost Canyon, near Hanksville		1015	63.6	-	-	
		9-21-76	1510	17.7	16.5	1,550	Site is approximately 0.25 mile upstream from Navajo-Kayenta (lower) contact.
			1538	17.5	-	-	No flow from Robbers Roost Canyon.
		10-14-77	1500	62.3	-	-	