Table 22.--Discharge rate, temperature, and specific conductance of base flow for selected stream reaches

Specific conductance: Micromhos per centimeter at 25°C as determined from field conductivity meter.

Stream	Measurement site No.	Date	Discharge (ft^3/s)	Temperature (C°)	Specific conductance	Principal geologic source(s)	Remarks
				Upper Virgin River basin			
Pine and Clear Creeks	(C-41-10)15ccc	12- 6-77	0.23	5.5	1,550	Navajo Sandstone	Also minor seepage from Kayenta and Moenave Formations
North Creek	(C-41-12)12aac	12- 9-77	4.0	9.0	800	Basalt	Also some seepage from older sedimentary rocks
North Fork, Virgin River	(C-41-10)15cac	12- 9-77	39.2	9.5	890	Moenkopi Formation and Shinarump Member of the Chinle Formation	
Horse Valley Wash	(C-42-11)11aca	12- 9-77	.20	2.0	1,700	do.	
La Verkin Creek	(C-41-13)12bcd	12-10-77	3.16	8.0	980	Moenkopi Formation and Kaibab Limestone	
Muddy Creek	(C-40-8)36dac	10- 3-77	.68	16.5	900	Tropic Shale and younger rocks	
Lydiss Creek	(C-39-7)29bbb	6-22-77	.36	18.0	400	Wahweap Sandstone and Kaiparowits Formation	Substantial loss by evaporation and diversion of springflow for domestic use upstream from measurement site.
	(C-40-7)4cba	6-22-77	.05	24.0	440	do.	Excludes 0.036 ft^3/s measured at site (C-39-7)4cba
East Fork, Virgin River	(C-40-7)1bbd	10- 2-77	9.2	10.0	430	Wasatch and Kaiparowits Formations; Wahweap Sandstone and Tropic Shale	Measurement site about 1.0 mi (1.6 km) downstream from Stout Canyon
	(C-39-7)36(?)	6-22-78	5.0	18.0	440	do.	Measurement site upstream from Stout Canyon
Stout Canyon creek	(C-40-7)1bbd	6-22-78	7.32	19.0	440	Wasatch and Kaiparowits Formations; Wahweap Sandstone	
				Upper Kanab Creek basin			
Kanab Creek	(C-38-5)33bbd	10- 3-77	1.82	15.5	480	Cretaceous rocks, undivided	
	(C-42-6)20aaa	10-29-76	.99	12.0	400	Navajo Sandstone	
	(C-42-6)32aca	10-29-76	5.12	11.0	-	do.	
		5- 1-77	5.57	17.0	450		
		6-19-77	4.57	12.0	460		
		9- 2-77	4.13	24.0	460		
		10- 3-77	5.41	9.5	460		
		11-11-77	6.0	12.0	450		
	(C-43-6)21cbb	6-19-77	4.98	13.5	460	do.	Measurement site on diversion canal
		11-11-77	8.04	-	-		
	(C-43-6)33cba	6-19-77	1.36	23.0	1,500	Kayenta, Moenave, and Chinle Formations	Substantial loss by evapotranspiration upstream from measurement site
		11-11-77	2.10	11.0	-		
Tiny Canyon creek	(C-43-6)5cad	6-19-77	.11	18.5	390	Navajo Sandstone	Also some seepage from Kayenta Formation
		10- 3-77	.07	15.5	440		
		11-11-77	.14	12.0	-		
Hog Canyon creek	(C-43-6)16bbb	10-30-76	.38	2.0	-	do.	Do.
		5- 1-77	.28	21.0	390		
		6-19-77	.00	-	-		
		9-28-77	.01	19.0	420		
		11-11-77	.19	8.0	-		
Rush Canyon creek	(C-39-5)4aba	10- 3-77	.09	16.0	480	Probably Kaiparowits and Wasatch Formations	Flow consumed near measurement site
Three Lakes Canyon creek	(C-42-6)30dbc	6- 2-77	.07	18.0	550	Navajo Sandstone	Measurement site at outlet below lowermost of three ponds; considerable loss by evapotranspiration upstream from site; total flow depleted within 0.25 mi (0.4 km) downstream from site
		11-11-77	.08	9.0	-		
Water Canyon creek	(C-43-7)7ccb	6-17-77	.06	16.5	410	do.	
		9-27-77	.07	-	-		
		11-11-77	.16	3.0	-		
Cave Lakes Canyon creek	(C-42-6)30dcc	2- 5-77	.43	4.5	345	do.	Seepage chiefly from above Tenny Canyon Member
		9-29-77	.12	15.5	310		
		11-11-77	.19	4.5	-		
Mill Creek	(C-40-4½)6add	10-20-76	.40	10.0	580	Probably all formations of Cretaceous age	
		11- 9-77	.89	1.0	520		