

DAY			MILES TODAY	CAMP	MILE	SIDE	ALTERNATE within +/- 2 miles	
				lee's ferry	0.0			
1	jackass creek	8	8	8.0	jackass creek	8.0	L	1 above 1 across soap creek is at mile 11
2	north canyon	20	12	12.4	north canyon	20.4	R	3 above 3 below there are 4 camps from house rock to 19.1
3	stanton's cave	32	12	11.3	stanton's cave	31.7	R	2 above 1 below WATER AT VASEY'S shinomo wash at 29.3 has on of the most amazing places on the river some climbing required, not a good camp during thunderstorms
4	buck farm canyon	41	9	15.6	lower saddle	47.3	R	2 above By making this long run we would have as good a chance as there is to get the main nonkoweap camp
5	nankoweap canyon	53	12	5.7	main nankoweap	53.0	R	4 above 1 below what's to be said just one of the most popular places in the canyon
6	cardenas creek	71	18	18.0	cardenas creek	71.0	L	1 above 1 below From hance to phantom ranch there is extreme congestion due to passenger exchanges at phantom, only 4 camps available as cremation is reserved for commercials
7	clear creek	84	13	13.0	clear creek	84.0	L	1 above 1 below if it is at all possible we should try as the falls are terrific POSSIBLE WATER AT 92.8 L
8	travertine canyon	96	12	12.1	travertine (Schist)	96.1	L	2 above 1 below not only was this one of Dale's favorite camps it stages us 2 miles above crystal. "run by 8:00 or it's too late" if all goes well at crystal we could still make bass by noon and start thinking about a layover
9	mile 103	103	7	6.7	shady grove	102.8	R	1 below by taking this camp we would almost assure ourselves of bass.
10	shinumo creek	109	6	5.4	lower bass	108.2	R	2 above 1 below
11	blacktail canyon	120	11	11.8	upper blacktail	120.0	R	7 above 2 below
12	tapeats (133 mi. cr)	133	13	12.0	galloway	132.0	R	2 above 1 below WATER AT TAPEATS 133.8 poncho's kitchen 136.8 L SPRING 137.9 R IF OPEN TAKE IT
13	olo canyon	146	13	11.3	above kanab	143.3	L	2 below SPRING R 147.8 2 SPRINGS R 151-152 SPRINGS R 155-156
14	above havasu	151	5	12.4	last chance	155.7	R	1 below SPRING AT CAMP setup for an early havasu stop
15	national canyon(166)	164	13	10.8	upper national	166.5	L	3 below fernglen is at mile 168 R, it is a large camp extremely popular with commercials, launch early and skip havasu or ? there is a lot of competition for the national camps perhaps we should take tuckup (164.5 R) or below tuckup (164.8 L) if open
16	vulcans anvil	178	14	11.2	above anvil	177.7	L	2 above 4 below 3rd below is lava, not a happy prospect for sleeping must run lava falls for the for 4th below (popular with commercials)
17	202 mile camp	202	24	24.3	202 mile	202.0	R	1 above 2 below SPRING R 204.4 SPRING L 209 many camps below lava, 56 total miles, we can play this many ways
18	224 mile canyon	224	22	18.0	lower 220	220.0	L	3 above 2 below SPRING L 221.5
19	nearest motel	225		5.0		225.0	L	
					Choice Camps			