

Low Flow Tide Chart

Colorado Through Grand Canyon

Use this chart for flows below 15,000 CFS. At these flows, the water averages 4.0 MPH

River Map Map #	Mile Marker	Miles from Dam	Place	High Water Begins	Low Water Begins	Hours Delay: 4.0 mph
-	-15	0	Glen Canyon Dam	7:00 AM	7:00 PM	
1	0	15	Lees Ferry	10:45 AM	10:45 PM	3.75
2	8	23	Badger Camp	12:45 AM	12:45 PM	5.75
3	12	27	Brown's Inscription	1:45 PM	1:45 AM	6.75
4	16.5	31.5	Hot Na Na Camp	2:45 PM	2:45 AM	7.88
4	20.5	35.5	North Canyon	3:45 PM	3:45 AM	8.88
5	24.5	39.5	24.5 Camp	4:45 PM	4:45 AM	9.88
6	29	44	Shinumo Wash	6:00 PM	6:00 AM	11
7	35	50	Nautiloid Camp	7:30 PM	7:30 AM	12.5
8	44	59	President Harding	9:45 PM	9:45 AM	12.5
9	52	67	Little Nanko	11:45 PM	11:45 AM	16.75
10	53	68	Nankoweap Camps	Midnight	Noon	17
11	61.5	76.5	Little Colorado	2:00 AM	2:00 PM	19.13
12	65.6	80	Lava Canyon	3:00 AM	3:00 PM	20.13
13	71	86	Cardenas Camp	4:30 AM	4:30 PM	21.5
14	76.6	91.6	Hance Camp	6:00 AM	6:00 PM	22.9
15	81	96	Grapevine Camp	7:00 AM	7:00 PM	24
16	87.5	102.5	Phantom Ranch	8:30 AM	8:30 PM	25.63

Phantom Ranch is typically referred to as 24 hours after release

River Map Map #	Mile Marker	Miles from Dam	Place	High Water Begins	Low Water Begins	Hours Delay: 4.0 mph
16	90.2	105.2	Horn Creek	9:15 AM	9:15 PM	26.30
17	94.3	109.3	Granite Camp	10:15 AM	10:15 PM	27.33
18	98	113	Crystal	11:15 AM	11:15 PM	28.25
19	103.8	118.8	New Shady Grove	12:45 PM	12:45 AM	29.70
20	108.3	123.3	Lower Bass Camp	1:45 PM	1:45 AM	30.83
21	116.5	131.5	Elves Chasm	3:45 PM	3:45 AM	32.88
22	120	135	Blacktail Camps	4:45 PM	4:45 AM	33.75
23	126.4	141.4	Randy's Rock	6:15 PM	6:15 AM	35.35
24	131.7	146.7	Dubendorf Rapid	7:30 PM	7:30 AM	36.68
25	137.1	152.1	Deer Creek	9:00 PM	9:00 AM	38.03
26	145.5	160.5	Olo Camp	11:00 PM	11:00 AM	40.13
27	151.5	166.5	Ledges Camp	12:45 AM	12:45 PM	41.63
28	156.7	171.7	Havasu Canyon	2:00 AM	2:00 PM	42.93
29	164.5	179.5	Tuckup Camp	4:00 AM	4:00 PM	44.88
30	168	183	Fern Glen Camp	5:45 AM	5:45 PM	45.75
31	174.2	189.2	Upper Cove Camp	7:30 AM	7:30 PM	47.30
32	177.7	192.7	Above Anvil	8:00 AM	8:00 PM	48.18
33	185.3	200.3	185.5 Camp	10:00 AM	10:00 PM	50.08
34	188	203	Whitmore Camp	10:45 AM	10:45 PM	50.75
35	196	211	Below Froggy	12:45 PM	12:45 AM	52.75
36	202	217	Lower 202	2:30 PM	2:30 AM	54.25
37	206	221	Indian Canyon	3:30 PM	3:30 AM	55.25
38	212.9	227.9	Pumpkin Spring	5:00 PM	5:00 AM	56.98
39	219	234	220 Mile Camps	7:30 PM	7:30 AM	58.50
40	223.4	238.4	224 Mile Camp	8:30 PM	8:30 AM	59.60

Tides below Diamond Creek tend to have mitigated and are of less concern

River Map Map #	Mile Marker	Miles from Dam	Place	High Water Begins	Low Water Begins	Hours Delay: 4.0 mph
41	229.1	244.1	Travertine Canyon Camp			61.03
42	235	250	Bridge Canyon Camp			62.50
43	238.5	253.5	Bridge City Camp			63.38
44	246	261	Specer Canyon			65.25
45	248.4	263.4	Surprise Canyon			65.85
46	256.8	271.8	257 Bar Camp			67.95
47	260	275	Quartermaster			68.75
48	266	281	Bat Cave			70.25
49	274.5	289.5	Columbine Falls			72.38
50	276.5	291.5	Grand Wash Cliffs			72.88
51	296.8	311.8	Lake Mead South Cove			77.95

High Flow Tide Chart Colorado through Grand Canyon

Use this chart for flows above 15,000 CFS. At these flows, the water averages 4.5 MPH

River Map Map #	Mile Marker	Miles from Dam	Place	High Water Begins	Low Water Begins	Hours Delay: 5.0 mph
-	-15	0	Glen Canyon Dam	7:00 AM	7:00 PM	
1	0	15	Lees Ferry	10:20 AM	10:20 PM	3.33
2	8	23	Badger Camp	12:10 PM	12:10 AM	5.11
3	12	27	Brown's Inscription	1:00 PM	1:00 AM	6.00
4	16.5	31.5	Hot Na Na Camp	2:00 PM	2:00 AM	7.00
4	20.5	35.5	North Canyon	2:45 PM	2:45 AM	7.89
5	24.5	39.5	24.5 Camp	3:45 PM	3:45 AM	8.78
6	29	44	Shinumo Wash	4:45 PM	4:45 AM	9.78
7	35	50	Nautiloid Camp	6:00 PM	6:00 AM	11.11
8	44	59	President Harding	8:00 PM	8:00 AM	13.11
9	52	67	Little Nanko	9:45 PM	9:45 AM	14.89
10	53	68	Nankoweap Camps	10:00 PM	10:00 AM	15.11
11	61.5	76.5	Little Colorado	Mindnight	Noon	17.00
12	65.6	80	Lava Canyon	12:45 AM	12:45 PM	17.78
13	71	86	Cardenas Camp	2:00 AM	2:00 PM	19.11
14	76.6	91.6	Hance Camp	3:30 AM	3:30 PM	20.36
15	81	96	Grapevine Camp	4:30 AM	4:30 PM	21.33
16	87.5	102.5	Phantom Ranch	5:45 AM	5:45 PM	22.78

Phantom Ranch is typically referred to as 24 hours after release

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16	90.2	105.2	Horn Creek	6:15 AM	6:15 PM	23.38
17	94.3	109.3	Granite Camp	7:30 AM	7:30 PM	24.29
18	98	113	Crystal	8:00 AM	8:00 PM	25.11
19	103.8	118.8	New Shady Grove	9:30 AM	9:30 PM	26.40
20	108.3	123.3	Lower Bass Camp	10:30 AM	10:30 PM	27.40
21	116.5	131.5	Elves Chasm	12:15 PM	12:15 AM	29.22
22	120	135	Blacktail Camps	1:00 PM	1:00 AM	30.00
23	126.4	141.4	Randy's Rock	2:30 PM	2:30 AM	31.42
24	131.7	146.7	Dubendorf Rapid	3:30 PM	3:30 AM	32.60
25	137.1	152.1	Deer Creek	4:45 PM	4:45 AM	33.80
26	145.5	160.5	Olo Camp	6:30 PM	6:30 AM	35.67
27	151.5	166.5	Ledges Camp	8:00 PM	8:00 AM	37.00
28	156.7	171.7	Havasu Canyon	9:00 PM	9:00 AM	38.16
29	164.5	179.5	Tuckup Camp	10:45 PM	10:45 AM	39.89
30	168	183	Fern Glen Camp	11:30 PM	11:30 PM	40.67
31	174.2	189.2	Upper Cove Camp	1:00 AM	1:00 PM	42.04
32	177.7	192.7	Above Anvil	1:45 AM	1:45 PM	42.82
33	185.3	200.3	185.5 Camp	3:45 AM	3:45 PM	44.51
34	188	203	Whitmore Camp	4:00 AM	4:00 PM	45.11
35	196	211	Below Froggy	6:00 AM	6:00 PM	46.89
36	202	217	Lower 202	7:00 AM	7:00 PM	48.22
37	206	221	Indian Canyon	8:00 AM	8:00 PM	49.11
38	212.9	227.9	Pumpkin Spring	9:30 AM	9:30 PM	50.64
39	219	234	220 Mile Camps	11:00 AM	11:00 PM	52.00
40	223.4	238.4	224 Mile Camp	Noon	Midnight	52.98

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43	238.5	253.5	Bridge City Camp			56.33
44	246	261	Specer Canyon			58.00
45	248.4	263.4	Surprise Canyon			58.53
46	256.8	271.8	257 Bar Camp			60.40
47	260	275	Quartermaster			61.11
48	266	281	Bat Cave			62.44
49	274.5	289.5	Columbine Falls			64.33
50	276.5	291.5	Grand Wash Cliffs			64.78
51	296.8	311.8	Lake Mead South Cove			69.29