

**HY3.**  
**WATER LEVEL**

**Chakdara**

**Chakdara**  
**Daily Gage Height, in Feet**

**1964**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	0.95	1.06	1.31	2.47	3.05	3.80	5.55	3.40	3.41	1.98	1.34	1.31
2	0.94	1.06	1.29	2.39	3.27	3.60	5.75	3.43	3.40	1.91	1.29	1.30
3	0.92	1.05	1.94	2.97	3.48	3.53	5.91	3.49	3.33	1.87	1.24	1.29
4	0.95	1.00	1.99	2.71	3.71	3.52	5.75	3.63	3.19	1.83	1.25	1.85
5	1.04	1.02	1.74	2.46	3.25	3.60	5.61	3.64	3.07	1.75	1.23	1.62
6	1.44	1.03	1.62	2.36	3.29	3.53	5.43	3.59	3.01	1.74	1.23	1.46
7	1.84	1.03	1.50	2.52	3.44	3.40	5.41	3.72	2.99	1.81	1.20	1.26
8	1.98	0.99	1.42	2.43	3.56	3.54	5.37	3.70	2.97	1.89	1.18	1.16
9	1.65	1.02	1.42	2.32	3.33	3.81	5.49	3.75	2.98	1.82	1.14	1.21
10	1.42	0.98	1.73	2.68	3.55	3.78	5.50	4.38	2.97	1.73	1.11	1.15
11	1.37	0.96	2.07	3.60	3.61	3.92	5.52	4.16	2.94	1.97	1.12	1.22
12	1.28	0.96	1.80	3.39	3.74	3.93	5.78	4.25	2.76	1.85	1.08	1.21
13	1.20	0.97	1.73	3.24	4.00	4.04	6.17	3.91	2.69	1.88	1.12	1.15
14	1.17	1.03	1.85	3.21	4.14	4.02	5.96	3.87	2.70	1.88		
15	1.17	1.06	1.96	3.42	3.84	4.56	5.38	4.39	2.71	1.90		
16	1.12	1.11	1.96	4.07	3.83	4.69	4.89	4.80	2.85	1.88	1.02	1.04
17	1.07	2.28	1.95	3.45	3.86	4.74	4.37	4.60	3.35	1.78	1.04	1.08
18	1.04	2.42	2.02	2.95	3.91	4.88	3.89	5.14	3.06	1.67	1.00	1.12
19	1.00	1.84	2.56	2.75	4.03	4.79	3.53	4.47	2.98	1.60	1.05	1.11
20	0.98	1.64	2.35	2.75	3.84	4.57	3.08	4.25	2.90	1.61	0.98	1.10
21	1.06	1.80	2.19	2.75	3.81	4.50	2.97	4.45	2.66	1.63	1.03	1.12
22	1.22	1.57	2.07	2.76	3.47	4.59	2.98	4.59	2.49	1.59	1.04	1.17
23	1.19	1.46	2.05		3.23	4.87	3.15	4.18	2.42	1.54	1.02	1.34
24	1.14	1.33	2.24		3.07	5.06	3.55	3.97	2.32	1.53	1.03	1.29
25	1.08	1.25	2.12	3.41	3.04	4.90	4.08	4.03	2.22	1.51	1.03	1.25
26	1.05	1.24	2.35	3.64	3.10	4.89	4.27	4.03	2.14	1.41	1.01	1.21
27	1.05	1.18	2.18	3.21	3.22	5.00	4.50	3.67	2.14	1.44	1.02	1.16
28	1.04	1.21	2.18	3.05	3.36	5.12	4.44	3.56	2.11	1.46	1.05	1.12
29	1.07	1.53	2.32	3.01	3.46	5.27	4.55	3.46	2.09	1.40	1.08	1.12
30	1.05		2.32	2.96	3.79	5.39	4.09	3.45	2.01	1.39	1.24	1.09
31	1.05		2.33		3.67		3.60	3.38		1.34		1.07
Ave.	1.18	1.28	1.95	2.96	3.55	4.33	4.73	3.98	2.76	1.70	1.11	1.23

**Chakdara**  
**Daily Gage Height, in Feet**

**1965**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.07	1.05	1.46	3.40	3.36	5.17	5.48	4.14	2.32	1.51	0.99	0.80
2	1.05	1.12	1.45	2.99	3.36	5.27	5.28	3.89	2.22	1.48	0.96	0.77
3	1.01	1.32	1.43	2.68	3.60	5.56	4.97	3.81	2.17	1.52	0.95	0.77
4	1.01	3.06	1.40	2.70	3.88	5.66	4.82	3.61	2.14	1.51	0.98	0.78
5	0.99	2.73	1.39	2.65	4.11	4.80	4.46	3.41	2.11	1.48	1.03	0.77
6	1.01	2.08	1.42	2.80	4.28	4.75	4.43	3.31	2.13	1.44	1.03	0.74
7	0.96	1.71	1.48	3.21	4.93	4.60	4.66	3.34	2.16	1.41	1.01	0.71
8	0.95	1.52	1.60	3.14	4.54	4.94	4.98	3.23	2.17	1.42	0.96	0.69
9	0.94	1.38	1.87	2.93	4.38	4.98	4.85	3.37	2.23	1.40	0.93	0.68
10	0.93	1.45	1.69	2.75	4.22	5.17	4.71	3.51	2.12	1.35	0.93	0.66
11	0.92	1.70	1.52	2.81	4.43	5.35	4.58	3.34	2.02	1.32	0.92	0.67
12	0.89	2.00	1.52	3.00	4.47	5.83	4.48	3.22	1.92	1.34	0.92	0.67
13	0.88	1.72	1.57	4.11	4.31	5.87	5.01	3.04	1.90	1.22	0.96	0.68
14	0.88	1.54	1.64	3.38	4.39	5.94	5.24	2.93	1.85	1.20	1.41	0.67
15	0.87	1.49	1.74	3.22	4.59	5.88	5.36	2.80	1.81	1.24	1.17	0.66
16	0.85	1.51	1.96	3.29	4.32	5.75	5.59	2.77	1.78	1.17	1.07	0.68
17	0.97	1.60	2.72	3.39	4.53	5.70	5.54	2.76	1.80	1.18	1.01	0.67
18	1.15	1.67	2.27	4.88	4.55	5.68	5.34	2.75	1.80	1.16	1.00	0.65
19	1.60	1.55	3.39	5.42	4.82	5.75	4.92	2.86	1.94	1.14	0.99	0.65
20	1.84	1.46	2.71	4.51	4.97	6.06	4.92	3.01	1.83	1.14	0.97	0.64
21	1.96	1.48	2.24	3.73	5.39	5.98	4.93	3.05	1.79	1.11	0.93	0.63
22	1.60	1.44	2.28	3.62	5.17	5.92	4.95	3.75	1.94	1.09	0.92	0.64
23	1.32	1.40	2.20	4.80	5.14	5.69	4.91	3.61	1.81	1.09	0.88	0.66
24	1.32	1.36	2.05	5.31	5.12	5.53	4.99	3.71	1.80	1.07	0.88	1.06
25	1.17	1.34	2.07	4.54	4.86	5.29	4.99	3.23	1.75	1.07	0.91	0.80
26	1.16	1.38	1.92	3.96	4.51	5.29	5.37	2.98	1.69	1.06	0.88	0.75
27	1.15	1.50	1.90	3.55	4.91	5.60	5.30	2.88	1.66	1.05	0.85	0.72
28	1.11	1.46	1.86	3.56	5.23	5.64	4.98	3.03	1.60	1.04	0.83	0.72
29	1.10		1.80	3.51	5.24	5.58	4.63	2.94	1.51	1.02	0.84	0.72
30	1.13		1.88	3.43	5.08	5.44	4.27	2.77	1.51	1.03	0.81	0.69
31	1.10		2.17		5.13		4.15	2.62		1.01		0.68
Ave.	1.13	1.61	1.89	3.58	4.57	5.49	4.94	3.22	1.92	1.23	0.96	0.71

Chakdara												
Daily Gage Height, In Feet												
Date	1966										Dec	
	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct		Nov
1	0.70	0.46	1.03	1.92	3.00	3.32	5.21	4.94	2.48	1.30	1.06	0.53
2	0.68	0.44	1.01		2.96	3.31	4.68	4.39	2.51	1.27	1.04	0.55
3	0.66	0.46	0.98	1.93	2.72	3.59	4.61	4.15	2.97	1.24	1.01	0.53
4	0.65	0.44	1.04	1.95	2.85	4.02	4.04	3.99	3.49	1.42	0.99	0.52
5	0.65	0.43	1.65	1.99	3.23	4.00	3.54	3.86	3.81		0.96	0.54
6	0.63	0.48	1.26	1.94	3.70	4.06	3.23	3.95	3.50		0.93	0.55
7	0.62	0.66	1.16	2.14	3.85	4.14	3.03	4.71	2.98	1.28	0.88	0.54
8	0.62	1.08	1.05	2.37	4.19	4.36	3.09	3.87	2.66	1.28	0.83	0.52
9	0.61	1.06	1.01	2.06	4.05	4.44	3.50	4.53	2.48	1.24	0.81	0.50
10	0.59	0.88	1.04	1.95	3.76	4.27	3.85	3.81	2.43	1.26	0.76	0.50
11	0.61	0.76	1.05	2.20	3.54	4.33	4.19	3.63	2.26	1.67	0.72	0.52
12	0.62	0.84	1.08	2.07	3.05	4.73	4.20	3.43	2.12	1.47	0.66	0.49
13	0.59	1.07	1.27	2.22	2.96	4.97	4.27	3.39	2.04	1.43	0.68	0.48
14	0.59	1.26	1.32	3.93	2.73	5.01	4.23	3.22	2.03	1.34	0.64	0.50
15	0.58	1.18	1.43	3.86	2.60	5.16	4.09	3.10	1.99	1.32	0.65	0.52
16	0.58	0.95	1.42	3.78	2.69	5.11	3.88	3.08	2.48	1.27	0.66	0.52
17	0.57	0.86	2.08	3.89	2.94	5.17	3.65	2.83	2.19	1.24	0.65	0.50
18	0.56	0.77	2.51	3.22	3.32	5.04	3.36	2.75	2.16	1.22	0.65	0.50
19	0.56	0.74	2.12	2.99	3.61	5.04	3.31	2.78	2.15	1.43	0.64	0.49
20	0.55	0.75	1.63	3.08	3.84	5.44	3.34	2.86	2.07	1.42	0.63	0.45
21	0.54	1.35	1.51	3.06	3.82	5.25	3.64	2.94	1.88	1.29	0.64	0.44
22	0.56	1.14	1.76	3.11	3.66	5.17	3.91	2.77	1.80	1.25	0.63	0.43
23	0.55	0.93	1.63	2.82	3.51	5.00	4.09	2.68	1.85	1.24	0.62	0.42
24	0.53	0.91	1.57	3.01	3.47	5.04	4.32	2.70	1.87	1.21	0.60	0.42
25	0.54	0.88	1.83	3.15	3.52	5.37	4.38	2.64	1.77	1.23	0.59	0.40
26	0.54	1.17	2.79	3.07	3.72	5.53	4.51	2.37	1.64	1.26	0.59	0.40
27	0.52	1.13	3.84	3.53	4.03	5.81	4.15	2.28	1.55	1.22	0.63	0.41
28	0.48	1.11	2.78	4.49	3.91	5.90	4.03	2.31	1.52	1.18	0.60	0.43
29	0.46		2.23	4.36	3.85	5.55	4.05	2.31	1.46	1.15	0.56	0.46
30	0.45		2.06	3.24	3.59	5.42	4.11	2.37	1.37	1.12	0.55	0.51
31	0.44		1.85		3.62		5.40	2.50		1.08		0.50
Ave.	0.58	0.86	1.64	2.87	3.43	4.79	4.00	3.26	2.25	1.29	0.73	0.49

Chakdara												
Daily Gage Height, In Feet												
Date	1967										Dec	
	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct		Nov
1	0.50	0.22	1.08	1.75	2.79	3.70	5.30	3.93	2.20	1.47	1.07	0.66
2	0.43	0.20	1.05	1.52	2.44	3.98	5.45	3.62	2.11	1.37	1.00	0.61
3	0.46	0.21	0.91	1.39	2.28	4.16	4.78	3.76	2.05	1.38	1.02	0.79
4	0.45	0.27	0.80	1.34	2.30	3.79	4.52	4.10	2.11	1.42	0.93	0.75
5	0.42	0.27	0.74	1.72	2.25	3.46	4.40	3.98	2.04	1.49	0.98	0.68
6	0.46	0.26	0.78	1.52	2.17	3.85	4.56	3.73	2.12	1.35	0.91	0.71
7	0.47	0.29	0.77	1.37	2.08	4.23	5.67	3.47	2.22	1.29	0.93	0.69
8	0.47	0.96	0.79	1.29	2.38	4.49	4.90	3.44	2.22	1.30	0.90	0.67
9	0.45	0.54	0.85	1.25	2.54	4.45	4.42	3.30	2.24	1.22	0.88	0.65
10	0.44	0.46	0.86	1.21	2.59	4.89	4.23	3.06	2.25	1.17	0.81	0.66
11	0.44	0.45	1.21	1.22	2.52	4.79	4.20	3.03	2.27	1.20	0.82	0.69
12		0.41	1.50	1.17	2.22	5.05	4.24	2.93	2.30	1.24	0.76	0.67
13	0.40	0.39	1.81	1.22	2.19	5.12	4.78	3.01	2.45	1.20	0.76	0.66
14	0.39	0.37	1.45	1.48	2.19	5.21	4.37	3.11	3.04	1.15	0.72	0.67
15	0.39	0.41	1.22	1.79	2.23	4.56	4.46	3.24	2.64	1.09	0.74	0.65
16	0.39	0.57	1.83	1.91	2.44	4.28	4.35	3.64	2.39	1.29	0.77	0.62
17	0.35	1.45	1.51	2.18	2.68	3.56	4.31	3.54	2.22	1.14	0.75	0.63
18	0.35	1.05	1.26	2.36	2.82	3.17	4.41	3.40	2.03	1.06	0.70	0.62
19	0.34	1.21	1.14	2.20	3.18	2.98	3.94	3.68	1.94	1.07	0.70	0.60
20	0.35	2.45	1.05	2.38	3.43	3.40	4.00	3.03	1.79	1.02	0.67	0.62
21	0.33	1.75	0.95	2.36	3.58	3.83	4.09	2.91	1.66	0.98	0.69	0.60
22	0.33	1.31		2.30	3.59	4.36	4.20	2.85	1.67	0.99	0.67	0.62
23	0.35	1.04	0.88	2.42	3.52	4.54	4.29	2.88	1.65	1.11	0.69	0.69
24	0.35	0.92	1.27	2.71	3.74	4.84	5.68	3.04	1.58	2.23	0.75	0.95
25	0.34	0.79	3.56	2.81	3.04	5.07	4.99	2.88	1.80	1.87	0.71	1.00
26	0.30	0.75	2.60	3.13	2.71	5.17	4.70	2.77	1.95	1.62	0.68	1.23
27	0.27	0.73	1.84	3.42	2.55	5.17	4.56	2.62	2.10	1.45	0.65	1.51
28	0.28	0.79	1.55	5.46	2.47	5.04	4.20	2.49	1.93	1.35	0.70	1.38
29	0.28		1.41	4.34	2.60	5.08	3.87	2.35	1.71	1.24	0.65	1.05
30	0.25		1.33	3.16	2.94	5.54	3.76	2.25	1.55	1.20	0.67	0.92
31	0.23		1.29		3.40		3.61	2.22		1.14		0.86
Ave.	0.38	0.73	1.31	2.15	2.71	4.39	4.49	3.17	2.07	1.29	0.79	0.78

**Chakdara**  
**Daily Gage Height, in Feet**      **1968**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.82	0.63	1.05	1.41	4.35	3.46	4.39	3.81	1.99	1.50	1.35	0.74
2		0.60	1.02	1.35	4.00	3.59	4.50	3.75	1.95	1.47	1.40	0.69
3	0.78	0.60	1.01	1.27	3.54	3.67	4.52	3.77	1.94	1.49	1.34	0.70
4	0.74	0.58	1.04	1.38	3.32	3.56	4.61	3.87	1.91	1.60	1.22	0.75
5	0.70	0.61	1.08	1.57	3.02	3.57	4.72	3.85	1.93	1.50	1.18	0.75
6	0.72	0.72	1.06	1.66	2.83	4.00	4.90	4.43	1.92	1.46	1.13	0.74
7	0.68	0.62	1.06	2.65	2.69	4.31	4.97	3.80	1.97	1.55	1.11	0.84
8	0.68	0.59	1.08	2.23	2.54	4.49	5.10	3.74	2.07	1.47	1.07	0.80
9	0.66	0.58	1.08	2.03	2.40	4.67	5.38	3.77	1.97	1.45	1.06	0.80
10	0.68	0.54		2.00	2.32	4.65	5.22	3.84	1.94	1.45	1.06	0.95
11	0.70	0.54	1.21	1.81	2.22	4.93	5.05	4.04	1.97	1.40	1.07	2.09
12	0.66	0.52	1.34	1.85	2.20	4.64	5.07	4.01	1.95	1.39	1.07	1.96
13	0.65	0.53	1.33	1.26	2.37	4.48	5.13	3.95	2.02	1.33	1.04	1.46
14	0.62	0.55	1.66	2.37	2.60	4.38	4.91	3.97	2.08	1.55	0.99	1.33
15	0.59	0.52	1.45	2.77	2.66	4.39	4.62	4.13	2.14	1.40	0.98	1.44
16	0.60	0.52	1.36	2.25	2.53	4.56	4.40	3.92	2.26	1.39	0.95	1.28
17	0.62	0.51	1.52	2.05	2.41	4.70	4.28	3.57	2.28	1.32	0.92	1.18
18	0.60	0.53	2.22	2.27	2.59	4.72	3.94	3.46	2.13	1.29	0.90	1.15
19	0.57	0.58	2.54	2.22	2.95	4.68	3.67	3.86	2.03	1.24	0.89	1.09
20	0.77	0.80	2.56	2.40	2.94	4.67	3.64	3.54	1.85	1.20	0.88	1.05
21	0.73	1.18	2.05	2.60	2.83	4.70	3.70	3.44	1.75	1.18	0.89	0.99
22	0.65	0.90	1.76	2.82		4.82	6.64	3.61	1.71	1.14	0.90	0.95
23	0.61	0.80	1.60	3.04	2.92	4.76	6.58	3.35	1.72	1.10	0.86	0.91
24	0.66	0.72	1.50	2.83	2.83	4.76	3.43	3.05	1.71	1.08	0.79	0.91
25	0.64	0.76	1.47	2.96	2.83	4.95	3.54	2.92	1.67	1.05	0.77	0.87
26	0.60	1.18	1.61	3.15	2.83	5.01	3.61	2.83	1.66	1.02	0.77	0.85
27	0.66	1.72	2.01	3.32	2.86	4.97	3.79	2.54	1.62	1.00	0.77	0.79
28	0.72	1.43	1.88	3.33	2.75	4.99	3.94	2.37	1.64	0.96	0.75	0.81
29	0.78	1.16	1.73	3.04	2.92	4.46	4.79	2.27	1.58	1.14	0.73	0.79
30	0.76		1.56	4.51	3.25	4.30	5.63	2.16	1.54	1.54	0.72	0.80
31	0.69		1.46		3.41		4.02	2.04		1.29		0.76
Ave.	0.68	0.74	1.51	2.35	2.86	4.46	4.60	3.47	1.90	1.32	0.99	1.01

**Chakdara**  
**Daily Gage Height, in Feet**      **1969**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.75	1.19	1.56	2.31	2.17	4.39	4.34	3.22	2.26	1.30	1.36	0.75
2	0.74	1.05	1.46	2.19	2.11	4.47	4.54	3.41	2.31	1.36	1.34	0.74
3	0.71	0.93	1.36	2.20	2.13	4.31	4.75	3.63	2.22	1.31	1.27	0.72
4	0.77	0.91	1.55	2.13	2.15	4.50	4.84	3.80	2.11	1.29	1.19	0.68
5	0.75	0.89	1.55	2.26	2.45	3.88	4.89	4.07	2.03	1.24	1.17	0.71
6	0.75	0.82	1.65	2.34	2.72	3.62	4.93	4.13	2.04	1.20	1.13	0.72
7	0.73	0.80	1.86	2.44	2.87	3.82	4.85	4.43	2.04	1.21	1.10	0.71
8	0.74	0.78	1.78	2.61	3.29	4.06	4.81	4.50	2.03	1.17	1.03	0.67
9	0.74	0.77	1.80	2.65	3.91	4.23	4.90	4.43	1.95	1.14	1.04	0.67
10	0.74	0.77	1.85	2.78	3.75	4.37	4.99	5.28	1.87	1.15	1.01	0.65
11	0.71	0.77	1.92	3.06	3.67	4.04	4.75	5.75	1.78	1.29	0.98	
12	0.69	0.74	2.04	3.38	3.39	4.24	4.30	4.73	1.80	1.66	1.00	0.63
13	0.71	1.14	2.18	3.09	3.36	4.39	4.44	4.19	1.80	1.34	1.00	0.67
14	0.68	1.85	2.22	2.89	3.33	4.48	4.86	4.16	2.48	1.34	0.98	0.61
15	0.65	1.50	2.23	3.19	3.17	4.61	4.57	4.03	2.56	1.61	0.92	0.60
16	0.65	1.29	2.22	3.40	2.85	4.62	4.62	3.71	2.50	1.47	0.80	0.62
17	0.65	1.58	2.26	3.17	2.83	4.76	4.64	3.61	2.13	1.31	0.85	0.60
18	0.65	1.37	2.51	2.75	2.85	4.95	4.70	3.63	1.92	1.27	0.83	0.60
19	0.65	1.21	3.17	2.47	2.92	4.84	4.81	3.94	1.80	1.24	0.82	0.59
20	0.63	1.12	2.85	2.82	2.90	5.03	5.09	3.65	1.72	1.21	0.91	0.58
21	0.62	1.09	2.39	3.35	2.99	4.85	5.32	3.32	1.68	1.14	0.94	0.57
22	0.63	1.02	2.24	2.87	3.18	4.47	5.34	3.08	1.58	1.10	0.87	0.57
23	0.62	0.98	2.26	2.54	3.42	4.34	5.43	2.71	1.51	1.06	0.77	0.56
24	0.61	1.11	2.19	2.34	3.22	4.29	5.43	2.58	1.52	1.06	0.81	0.56
25	0.61	1.40	2.48	2.18	3.33	4.46	5.22	2.46	1.50	1.03	0.81	0.55
26	0.95	1.24	3.82	2.22	3.48	4.55	4.92	2.44	1.47	1.00	0.79	0.56
27	1.39		2.91	2.08	3.67	4.62	4.84	2.39	1.42	1.12	0.79	0.56
28	1.09	1.85	2.49	2.66	3.84	4.57	4.52	2.31	1.33	2.38	0.81	0.55
29	0.94		2.25	2.49	4.12	4.50	3.96	2.23	1.30	3.01	0.77	0.57
30	0.91		2.16	2.29	4.36	4.21	3.66	2.26	1.29	1.96	0.74	0.57
31	0.87		2.17		4.44		3.25	2.27		1.57		0.52
Ave.	0.75	1.12	2.17	2.61	3.19	4.42	4.73	3.56	1.87	1.37	0.96	0.62

**Chakdara**  
**Daily Gage Height, in Feet**

Date										1970		
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	0.51	0.53	0.86	1.17	1.88	4.32	4.79	2.91		1.56	1.20	
2	0.51	0.51	0.73	1.20	1.93	4.56	4.83	2.93	3.99	1.59	1.16	0.75
3	0.51	0.51	0.65	1.29	1.90	4.68	4.73	2.94	3.61	1.60	1.10	0.75
4	0.51	0.49	0.62	1.39	1.83	4.90	4.96	2.90	3.64	1.63	1.07	0.74
5	0.50	0.48	0.60	1.55	1.93	4.38	4.24	2.95	3.63	1.68	1.04	0.74
6	0.44	0.46	0.61	1.84	2.15	3.74	3.57	2.93	3.39		1.01	0.70
7	0.45	0.45	0.55	1.89	2.11	3.68	3.56	2.92	3.24	2.19	1.00	0.69
8	0.47	0.42	0.56	1.77	2.08	3.54	3.46	2.94	3.72	1.89	0.96	0.70
9	0.47	0.41	0.57	1.83	2.12	3.52	3.13	2.93	3.14	1.71	0.91	0.66
10	0.48	0.40	0.85	1.98	2.21	3.66	2.86	2.95	3.01	1.68	0.93	0.66
11	0.53	0.38	0.98	2.11	2.13	4.19	2.65	3.00	3.30	1.59	0.92	0.64
12	0.53	0.37	0.87	2.12	2.16	4.21	2.65	3.29	3.24	1.52	0.89	0.65
13	0.51	0.35	0.90	2.23	2.43	4.07	2.65	3.57	3.02	1.50	0.89	0.64
14	0.50	0.34	0.99	2.16	2.38	3.38	2.69	3.38	3.06	1.45	0.87	0.64
15	0.49	0.33	1.12	2.15	2.36	3.24	2.70	2.88	2.79	1.40	0.87	0.63
16	0.48	0.32	1.17	2.58	2.64	2.70		2.95	2.66	1.39	0.88	0.70
17	0.54		0.95	2.05	2.91	2.57		2.77	2.39	1.35	0.85	0.94
18	0.51	0.32	1.29	1.92	3.04	2.48	3.11	2.78	2.24	1.35	0.82	0.75
19	0.51	0.31	1.12	1.78	3.20	2.50	2.97	2.79	2.25	1.32	0.83	0.73
20	0.48	0.30	1.03	1.77	3.37	2.83	3.37	2.73	2.45	1.29	0.84	0.73
21	0.47	0.31	0.96	1.88	3.96	3.10	3.09	2.77	2.22	1.24	0.81	0.72
22	0.45	0.58	1.00	2.24	4.08	3.40	2.79	2.80	2.04	1.40	0.79	0.69
23	0.44	0.51	1.14	2.45	3.90	3.57	2.56	3.05	1.99	1.40	0.78	0.65
24	0.46	0.50	1.13	2.42	3.60	3.95	2.43	2.87	1.87	1.35	0.77	0.65
25	0.80	0.78	1.25	2.57	3.47	4.28	2.29	2.87	1.76	1.25	0.77	0.65
26	0.66	0.72	2.01	2.62	2.99	4.48	2.38		1.74	1.20	0.74	0.66
27	0.58	0.63	2.15	2.65	3.00	4.75	2.64	3.43	1.65	1.17	0.74	0.64
28	0.52	1.10	1.74	2.53	3.47	4.81	2.93	3.29	1.66	1.23	0.76	0.63
29	0.51		1.43	2.13	3.75	4.60	2.94	3.23	1.63	1.43	0.75	0.61
30	0.67		1.25	1.90	3.92	4.80	2.91	3.23	1.62	1.32	0.74	0.61
31	0.61		1.15		4.08		2.91	3.36		1.25		0.60
Ave.	0.52	0.47	1.04	2.01	2.81	3.83	3.20	3.01	2.65	1.46	0.89	0.69

**Chakdara**  
**Daily Gage Height, in Feet**

Date									1971			
	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.59	0.42	0.91	1.93	2.94	4.28	4.59	4.22	3.11			
2	0.59	0.42	0.76	1.91	2.80	4.62	4.84	4.40	3.07			
3	0.59	0.39	1.00	1.79	2.93	4.51	5.15	4.21	2.95			
4	0.57	0.40	0.86	2.20	3.10	4.58	4.33	4.01	2.94			
5	0.57	0.38	0.77	3.01	2.87	4.48	4.03	3.97	2.81			
6	0.56		0.72	2.09	2.71	4.53	3.50	3.83	2.61			
7	0.55	0.38	0.69	1.96	2.74	4.52	3.49	3.95	2.55			
8	0.55	0.38	0.70	2.16	3.06	4.95	3.49	4.11	2.29			
9	0.55	0.39	0.79	2.16	3.41	4.83	3.22	3.97	2.16			
10	0.55	0.66	0.74	2.49	2.98	4.96	3.50	3.86	2.05			
11	0.55	0.50	0.75	2.43	3.12	4.75	3.66	3.73	2.07			
12	0.54	0.47	0.83	2.26	3.06	4.65	3.95	3.41	2.26			
13	0.53	0.46	0.85	2.34	2.95	4.44	4.27	3.35	1.99			
14	0.52	0.45	0.87	2.70	3.13	4.90	4.54	3.13	1.78			
15	0.52	0.45	0.96	2.37	3.54	4.56	4.29	3.05	1.68			
16	0.52	0.42	1.18	3.12	3.64	4.37	4.20	3.06	1.49			
17	0.51	0.44	1.33	2.99	3.66	3.95	4.37	3.09	1.44			
18	0.49	0.44	1.40	2.71	3.98	4.04	3.91	2.97	1.42			
19	0.48	0.44	1.38	2.62	4.24	3.96	3.89	2.97	1.34			
20	0.49	0.44	1.31	2.62	4.17	4.02	3.73	2.97	1.30			
21	0.48	0.43	1.34	2.99	4.27	3.91	3.41	2.96	1.26			
22	0.49	0.37	1.38	2.74	4.27	3.97	3.15	2.73	1.30			
23	0.52	0.36	1.36	2.59	4.52	4.60	3.09	2.87	1.33			
24	0.50	0.30	1.42	2.50	4.44	4.81	3.10	3.07	1.43			
25	0.48	0.32	1.41	2.85	4.57	5.01	3.15	3.24	1.09			
26	0.48		1.39	3.14	4.30	4.27	3.22	3.58	1.19			
27	0.49	1.15	1.41	3.21	4.35	4.09	3.71		1.35			
28	0.47	1.05	1.41		4.50	4.20			1.31			
29	0.46		1.53	3.47	4.56	3.92		3.72	1.41			
30	0.43		1.67	2.96	4.59	4.19	4.59	3.37	1.53			
31	0.43		1.85		4.64		4.49	3.36				
Ave.	0.52	0.47	1.13	2.56	3.68	4.43	3.89	3.49	1.88			

**Chakdara**  
**Daily Gage Height, in Feet**

Date	1972											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.55	1.06	0.95	2.39	3.59	5.00	4.96	3.80	3.56	2.11	1.66	1.32
2	0.54	0.95	1.02	2.40	3.33	5.02	5.07	3.78	3.37	2.07	1.64	1.31
3	0.52	0.85	1.10	2.20	3.21	4.94	5.25	3.83	3.30	2.08	1.61	1.33
4	0.49	0.80	1.20	2.72	3.24	5.03	5.48	4.05	3.23	2.05	1.56	1.32
5	0.47	0.75	1.46	3.13	3.33	4.83	5.61	4.17	3.23	2.01	1.52	1.31
6	0.46	0.72	1.26	3.01	3.80	4.72	5.36	5.20	3.24	1.98	1.50	1.31
7	0.46	0.66	1.23	2.78	3.56	4.93	4.79	6.25	3.27	1.96	1.46	1.27
8	0.44	0.60	1.58	2.60	3.65	4.84	4.74	4.84	3.24	1.95		1.25
9	0.45	0.58	1.50	2.36	3.79	4.81	4.91	4.83	3.44	1.90	1.42	1.28
10	0.45	0.57	1.27	2.36	3.57	4.83	5.09	4.47	3.31	1.89	1.41	1.29
11	0.43	0.57	1.15	2.40	3.41	5.10	5.44	4.15	3.25	1.87	1.42	1.29
12	0.44	0.98	1.50	2.60	3.76	5.26	5.33	3.96	3.19	1.83	1.42	1.27
13	0.44	0.74	3.20	2.70	4.05	4.89	5.07	3.97	3.01	1.79	1.40	1.25
14	0.47	0.69	2.44	2.90	5.22	5.00	4.99	4.07	2.97	1.77	1.38	1.21
15	0.45	0.67	2.03	3.05	4.44	5.30	4.96	3.76	2.95	1.76	1.34	1.20
16	0.46	0.63	1.85	4.02	4.12	5.55	4.95	3.65	2.93	1.75	1.32	1.21
17	0.46	0.57	1.82	3.98	3.94	5.66	5.20	3.91	2.99	1.73	1.30	1.32
18	0.44	0.56	1.73	3.53	4.12	5.71	5.22	3.81	2.90	1.88	1.28	1.27
19	0.49	0.53	1.76	3.18	4.42	5.67	5.05	3.74	3.06	1.93	1.26	1.32
20	0.53	0.53	2.22	2.96	4.49		4.71	3.95	3.50	1.82	1.25	1.28
21	0.62	0.63	1.97	2.82	4.60	5.52	4.26	3.77	3.29	1.92	1.24	1.27
22	1.22	1.52	1.79	2.87	4.83	5.47	4.31	3.64	2.98	2.08	1.44	1.24
23	1.00	1.85	1.79	2.93	4.88	5.55	4.39	3.56	2.74	1.93	1.66	1.27
24	0.85	2.07	2.07	3.09	5.09	5.67	4.31	3.67	2.55	1.86	1.55	1.28
25	0.79	1.40	2.34	3.30	5.01	5.69	4.41	3.63	2.52	1.83	1.52	1.27
26	0.73	1.22	2.47	3.39	4.82	5.81	4.43	3.39	2.46	1.79	1.44	1.31
27		1.14	3.17	3.57	4.48	5.77	4.30	3.22	2.35	1.77	1.40	1.84
28	0.63	1.03	3.02	4.17	4.44	5.75	4.20	3.11	2.28	1.74	1.37	1.48
29	0.60	1.00	2.88	4.61	4.28	5.15	4.47	3.18	2.20	1.71	1.35	1.48
30	0.63		2.85	3.88	4.21	5.29	4.44	3.23	2.16	1.70	1.33	1.45
31	0.72		2.59		4.60		4.13	3.53		1.68		1.39
Ave.	0.57	0.89	1.91	3.06	4.14	5.27	4.83	3.94	2.98	1.88	1.43	1.32

**Chakdara**  
**Daily Gage Height, in Feet**

Date	1973											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.23	1.09	1.84	3.34	4.40	4.70	5.48	4.20	4.41	2.71	1.39	1.14
2	1.22	1.11	1.73	2.87	4.50	4.88	5.35	4.25	4.10	2.87	1.38	1.14
3	1.20	1.12	1.61	2.89	4.35	5.07	5.16	4.41	3.85	2.76	1.36	1.14
4	1.18	1.11	1.47	2.99	4.32	5.09	5.32	4.89	3.66	2.55	1.34	1.16
5	1.20	1.10	1.42	2.98	4.26	5.13	5.65	4.64	3.58	2.42	1.32	1.16
6	1.26	1.08	1.35	3.12	4.33	5.20	5.72	5.06	3.52	2.31	1.27	1.13
7	1.26	1.12	1.32	3.11	4.73	5.30	5.10	5.13	3.51	2.21	1.24	1.14
8	1.24	1.17	1.73	3.01	4.66	5.38	4.76	5.36	3.45	2.18	1.22	1.14
9	1.22	1.13	2.12	2.88	4.38	5.41	4.51	5.67	3.35	2.14	1.22	1.13
10	1.20	1.11	3.57	2.86	4.00	5.28	4.25	4.72	3.31	2.05	1.22	1.12
11	1.18	1.10	3.14	3.00	3.69	5.39	4.57	4.57	3.26	1.99	1.21	1.12
12	1.18	1.11	2.50	3.26	3.83	5.47	4.60	4.51	3.25	1.95	1.20	1.14
13	1.20	1.12	2.20	2.97	3.87	5.68	4.82	4.87	3.19	1.91	1.21	1.14
14	1.18	1.18	2.11	2.84	3.92	5.69	5.23	4.72	3.09	1.87	1.21	1.13
15		1.19	2.01	2.80	3.86	5.44	5.20	4.53	3.11	1.84	1.22	1.13
16		1.19	1.89	2.77	3.83	5.34	5.37	4.39	3.15	1.82	1.22	1.14
17	1.14	1.17	1.86	2.66	3.65	5.26	4.99	4.35	3.19	1.81	1.21	1.34
18	1.12	1.19	1.83	2.91	3.85	5.24	5.00	4.23	3.18	1.84	1.21	1.24
19	1.33	1.18	1.78	2.98	3.59	5.31	4.97	4.09	3.24	1.82	1.20	1.19
20	1.62	1.14	1.74	3.30	3.54	5.34	5.31	4.04	3.64	1.81	1.20	1.15
21	1.33	1.10	1.77	3.39	3.44	5.48	4.95	4.04	3.80	1.77	1.20	1.15
22	1.20	1.11	1.87	3.47	3.56	5.30	4.80	4.03	3.52	1.72	1.20	1.13
23	1.22	1.37	2.10	3.54	3.87	5.33	4.77	4.49	3.18	1.65	1.20	1.11
24	1.22	2.49	2.24	3.76	3.90	5.43	4.67	4.30	2.95	1.65	1.20	1.10
25	1.20	3.18	2.47	3.98	4.13	5.49	4.85	4.34	3.23	1.60	1.20	1.08
26	1.18	2.72	2.84	4.10	4.26	5.48	5.02	4.23	3.09	1.53	1.20	1.07
27	1.16	2.28	3.05	4.06	4.69	5.42	4.82	4.62	2.85	1.50	1.21	1.05
28	1.14	2.00	3.24	4.00	4.56	5.47	4.90	4.34	2.46		1.16	1.05
29	1.12		3.22	4.07	4.50	5.37	4.51	4.26	2.46		1.15	1.05
30	1.10		2.81	4.16	4.43	5.36	4.28	4.25	2.58	1.43	1.14	1.04
31	1.10		3.27		4.36		4.23	4.95		1.40		1.03
Ave.	1.21	1.39	2.20	3.27	4.11	5.32	4.94	4.53	3.31	1.97	1.23	1.13

**Chakdara**  
**Daily Gage Height, in Feet**      **1974**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.02	0.96	1.28	3.02	3.63	4.60	4.66	3.72	3.02	2.49	1.04	0.80
2	1.02	1.08	1.25	3.04	3.52	4.71	4.80	3.87	2.90	2.21	1.02	0.81
3	1.01	1.25	1.32	3.20	3.51	4.94	4.93	4.09	2.82	2.06	1.00	0.91
4		1.37	1.47	3.21	3.45	5.10	4.50	5.04	2.66	1.91	0.98	0.90
5		1.29	1.50	2.81	3.41	5.32	4.01	4.66	2.43	1.84	0.93	0.89
6	0.98	1.22	1.39	2.64	3.32	5.07	3.71	4.48	2.41	1.74	0.95	0.88
7	0.96	1.18	1.47	2.60	3.46	4.27	4.16	4.30	2.42	1.68	0.94	0.87
8	0.95	1.13	1.51	2.60	4.07	4.38	4.12	4.23	2.25	1.62	0.92	0.86
9	0.95	1.08	1.50	3.12	4.28	4.41	4.14	3.60	2.25	1.55	0.93	0.85
10	0.94	1.05	1.43	2.79	3.91	4.84	4.50	3.50	2.21	1.52	0.93	0.85
11	0.94	1.04	1.36	2.68	3.71	4.56	4.62	3.50	2.17	1.49	0.93	0.85
12	0.94	1.02	1.31	2.70	3.66	4.23	4.76	3.54	2.06	1.45	0.93	0.85
13	0.94	1.00	1.23	2.81	3.55	4.39	4.59	4.24	2.01	1.45	0.92	0.84
14	0.93	1.00	1.17	3.08	3.43	4.86	4.95	4.20	2.00	1.43	0.90	0.85
15	0.92	0.98	1.15	3.21	3.31	4.76	5.04	4.14	1.94	1.41	0.88	0.90
16	0.92	0.98	1.42	3.00	3.37	5.02	5.70	3.69	1.89	1.40	0.88	1.01
17	0.93	1.09	1.47	2.87	3.45	4.68	5.28	3.42	1.99	1.38	0.85	0.96
18	0.96	1.06	1.32	3.01	3.43	5.05	4.73	3.42	1.90		0.84	0.90
19	0.95	1.02	1.49	3.09	3.22	5.11	4.68	3.40	1.84		0.82	0.87
20	1.10	1.01	2.45	3.28	3.13	4.99	4.93	3.38	1.84	1.35	0.82	0.85
21	1.07	1.22	3.03	3.43	3.06	4.76	4.67	3.31	1.80	1.34	0.80	0.82
22	1.00	1.91	3.00	3.36	3.12	4.87	4.58	3.30	1.79	1.32	0.80	0.82
23	1.00	2.42	3.63	3.31	3.61	5.20	4.66	3.30	1.80	1.31	0.80	0.81
24	0.93	1.85	3.52	3.29	3.74	4.48	4.55	3.23	1.83	1.30	0.79	0.80
25	0.96	1.63	3.08	3.67	4.49	3.89	4.71	3.21	1.92	1.27	0.78	
26	1.01	1.58	2.83	4.05	4.54	3.56	4.51	3.26	2.42	1.23	0.78	
27	1.09	1.40	2.69	3.81	4.33	3.59	4.15	3.30	2.21	1.18	0.78	1.42
28	1.03	1.36	2.62	3.78	3.84	3.58	3.89	3.17	2.31	1.13	0.77	1.61
29	0.98		2.69	4.09	3.94	3.80	3.98	3.03	2.28	1.12	0.77	1.34
30	0.97		2.76	3.88	4.20	4.47	3.99	3.66	2.19	1.10	0.77	1.14
31	0.97		2.82		4.55		3.86	3.21		1.08		1.04
Ave.	0.98	1.26	1.97	3.18	3.69	4.58	4.53	3.69	2.19	1.50	0.88	0.94

**Chakdara**  
**Daily Gage Height, in Feet**      **1975**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.99	0.87	1.49	2.76	4.14	4.80	4.57	3.75	2.81	1.63	0.95	
2	0.95	0.82	1.26	3.02	4.11	4.96	4.56	3.31	2.76	1.38	0.94	0.87
3	0.90	0.80	1.15	3.45	4.05	4.62	4.66	4.51	2.94	1.41	0.92	0.76
4	0.88	0.79	2.65	3.13	4.19	4.25	4.83	4.48	2.78	1.45	0.90	0.76
5	0.85	1.00	2.45	4.07	3.91	4.29	4.72	4.61	2.88	1.46	0.88	0.80
6	0.83	1.09	1.96	4.22	3.61	4.62	4.33	4.19	2.97	1.43	0.86	0.85
7	0.86	0.97	1.66	4.29	3.41	4.62	4.18	3.99	2.89		1.27	0.78
8	0.88	0.19	1.38	3.54	3.34	4.69	4.40	3.87	2.77		1.19	0.75
9	0.85	1.11	1.34	3.25	3.48	4.83	4.73	3.69	2.68	1.46	0.95	0.73
10	0.84	1.04	1.16	3.13	3.77	4.48	4.57	3.64	2.96	1.51	0.96	0.72
11	0.84	1.02	1.53	2.90	3.71	4.38	4.78	3.63	2.53	1.35	0.94	0.70
12	0.83	1.01	1.39	2.81	3.78	4.40	5.04	3.73	2.46	1.27	0.92	0.69
13	0.82	1.42	1.24	2.61	4.20	4.30	5.27	5.29	2.40	1.25	0.90	0.68
14	0.81	1.39	1.19	2.51	4.37	4.66	5.27	5.04	2.38	1.23	0.90	
15	0.80	1.19	1.18	2.37	4.81	5.00	5.22	4.65	2.34	1.20	0.88	
16	0.89	1.11	1.24	2.49	7.23	5.27	5.68	4.51	2.68	1.17		0.64
17	0.87	1.01	1.15	2.78	5.68	5.48	5.38	4.93	2.39	1.15		0.63
18	0.82	0.98	1.15	3.36	4.49	5.57	4.98	5.88	2.34	1.24		0.62
19	0.80	0.95	1.22	3.55	4.14	5.61	4.72	5.78	2.29	1.44		0.62
20	0.80	0.97	1.35	3.46	4.09	5.51	4.79	6.29	2.33	1.54		0.61
21	0.80	1.00	1.47	3.56	3.94	5.08	4.69	6.23	2.20	1.35		0.61
22	0.80	0.95	4.45	4.13	4.02	4.49	4.66	5.53	2.22	1.30		0.60
23	0.84	0.96	4.10	3.83	4.09	4.14	4.73	4.82	2.04	1.26		0.59
24	0.80	0.96	3.40	3.97	4.17	3.98	4.57	4.10	1.94	1.20		0.57
25	0.78	0.94	2.88	5.31	4.12	4.53	4.00	3.61	1.84	1.16		0.57
26	0.75	0.95	2.49	5.46	4.21	4.84	3.95	3.47	1.75	1.09		0.61
27	0.75	0.98	2.40	5.44	4.33	4.92	4.16	3.58	1.89	1.08		0.55
28	0.76	1.27	2.42	4.51	4.58	5.07	4.27	3.30	1.93	1.06		0.55
29	0.81		2.44	4.27	4.51	5.04	4.20	3.25	1.78	1.02		0.56
30	0.87		2.45	4.16	4.79	4.87	3.81	3.02	1.69	1.00		0.55
31	0.91		2.57		4.64		3.59	2.64		0.97		0.55
Ave.	0.84	0.99	1.94	3.61	4.26	4.77	4.62	4.32	2.40	1.28	0.96	0.66



**Chakdara**  
**Daily Gage Height, in Feet**

**1976**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.53	0.63	0.91	1.68		4.32	4.17	4.11	2.96	1.90	1.12	0.80
2	0.53	0.62	0.89	1.62	2.88	4.57	4.10	5.45	3.32	1.81	1.05	0.82
3	0.52	0.61	1.09	1.64	3.02	4.76	4.05	5.06	2.97	1.74	1.04	0.81
4	0.52	0.58	1.60	2.83	3.02	4.72	4.11	4.29	2.56	1.64	1.04	0.84
5	0.50	0.57	1.53	4.94	2.96	4.84	4.22	4.79	3.16	1.58	1.02	0.86
6	0.45	0.54	1.27	3.57	3.08	4.69	4.38	4.15	3.01	1.54	1.00	0.86
7	0.50	0.54	1.12	2.97	3.04	4.55	4.54	3.85	2.97	1.68	0.99	0.87
8	0.49	0.77	1.08	2.74	3.29	4.25	4.77	3.75	2.94	1.59	0.98	0.86
9	0.48	0.79	1.54	2.69	3.37	4.48	5.11	3.64	2.91	1.55	0.92	0.87
10	0.48	0.70	1.60	3.45	3.82	4.48	5.06	3.63	2.51	1.45	0.95	0.80
11	0.48	0.66	1.47	3.38	4.02	4.41	4.99	3.60	2.48	1.43	0.90	0.80
12	0.47	0.76	1.31	3.01	3.92	4.47	4.65	3.46	2.51	1.39	0.90	0.80
13	0.53	1.00	1.27	2.79	3.80	4.58	4.58	3.63	2.48	1.34	0.97	0.81
14	1.07	1.16	1.43	2.65	3.62	4.64	4.64	3.55	2.48	1.32	0.93	0.80
15	0.95	3.29	1.64	2.69	3.92	4.64	5.05	4.16	2.33	1.30	0.93	0.78
16	0.70	1.77	1.88	2.71	4.06	4.84	4.80	4.60	2.21	1.29	0.92	0.75
17	0.65	1.29	2.66	2.97	4.28	4.32	4.89	4.52	2.14	1.28	0.86	0.75
18	0.60	1.33	2.13	3.02	4.50	4.24	5.25	4.20	2.09	1.27	0.85	0.74
19	0.57	1.17	1.81	3.14	4.42	4.44	4.87	3.27	1.96	1.24	0.82	0.75
20	0.55	1.27	1.83	3.57	4.17	3.00	4.70	4.31	1.96	1.23	0.82	0.77
21	0.54	1.09	1.81	3.83	4.07	3.77	5.27	3.70	1.86	1.24	0.84	0.75
22	0.53	0.98	1.69	3.95	4.10	3.55	4.75	3.39	1.80	1.20	0.83	0.73
23	0.52	0.95	1.56	3.81	4.28	3.26	4.54	3.19	1.71	1.18	0.82	0.65
24	0.57	0.84	1.67	3.84	4.20	3.15	4.65	3.05	1.72	1.18	0.77	0.64
25	0.54	1.54	1.83		4.58	3.14	4.58	3.15	1.72	1.67	0.79	0.65
26	0.66	1.43	1.64		4.09	3.37	4.59	3.30	1.75	1.36	0.80	0.65
27	0.93	1.14	1.80		3.66	3.71	4.73	3.70	1.73	1.28	0.78	0.64
28	0.97	0.93	2.16		3.60	3.72	4.23	3.06	1.70	1.25	0.77	0.63
29	0.78	0.78	2.48		3.78	4.06	4.01	3.35	1.67	1.22	0.78	0.63
30	0.70		2.08			4.71	3.93	3.61	1.84	1.18	0.78	0.62
31	0.65		1.84		4.18		3.87	2.94		1.15		0.58
Ave.	0.61	1.03	1.63	3.06	3.78	4.19	4.58	3.82	2.32	1.40	0.90	0.75

**Chakdara**  
**Daily Gage Height, in Feet**

**1977**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.60	1.04	0.82	1.76	2.49	3.47	4.86	3.34	3.03	1.82		1.24
2	0.62	0.95	0.75	1.90	2.50	3.72	4.76	3.35	2.83	1.95		1.20
3	0.58	0.90	0.72	1.86	2.65	3.76	4.73	3.36	2.81	1.92		1.15
4	0.59	0.85	0.72	2.06	2.59	3.81	4.59	3.56	2.85	1.88		1.15
5	0.60	0.88	0.71	3.62	2.42	3.68	4.54	4.13	2.56	1.81		1.10
6	0.58	0.82	0.75	4.75	2.22	3.63	4.63	3.64	2.82	1.74		1.10
7	0.57	0.80	0.84	3.39	2.15	3.79	4.60	3.28	2.63	1.72		1.10
8	0.56	0.78	0.93	2.77	2.30	4.04	4.61	3.24	2.68	1.63		1.10
9	0.62	0.78	0.99	2.54	2.88	3.91	4.44	3.32	2.48	1.59		1.10
10	1.61	0.79	0.95	2.46	2.64	3.86	4.16	3.58	2.38	2.12		1.10
11	1.52	0.82	0.95	2.36	2.81	3.93	4.21	3.32	2.24	1.89		1.10
12	1.14	0.82	0.88	2.36	2.17	3.67	5.30	3.23	2.13	1.74		1.15
13	0.99	0.82	0.90	2.29	2.85	3.47	4.54	3.17	2.00	1.64		1.13
14	0.92	0.80	1.05	2.22	2.55	3.62	4.27	3.23	2.17	1.64		1.13
15	0.88	0.80	1.07	2.18	2.95	3.53	4.69	3.25	1.90	1.56		1.12
16	0.80	0.78	1.85	2.23	2.54	3.65	6.57	3.57	1.91	1.61		1.07
17	0.76	0.75	1.47	2.51	2.53	4.00	5.60	3.29	1.94	1.54		1.05
18	0.75	0.78	1.24	2.62	2.78	4.21	4.71	3.16	2.07	1.49		1.00
19	0.72	0.80	1.09	2.97	3.15	4.28	3.89	3.18	2.50	1.45		1.04
20	0.72	0.82	1.00	2.60	2.91	4.43	3.50	3.20	2.64	1.43		1.03
21	0.68	0.78	1.01	2.45	3.11	4.59	3.51	3.21	2.43	1.40		1.01
22	0.67	0.72	1.17	2.49	3.33	4.93	3.53	3.22	2.33	1.36		1.00
23	1.27	0.70	1.44	2.65	3.45	5.00	3.59	3.11	2.19	1.35		1.00
24	1.36	0.72	1.46	2.48	3.65	5.13	3.96	3.26	2.17	1.38		1.00
25	1.67	0.70	1.69	2.37	3.62	5.17		3.16	2.11	3.49		1.22
26	1.26	0.64	1.76	2.37	3.51	4.99	5.36	2.94	2.10	2.30		1.25
27	1.23	0.98	1.78	2.79	3.62	4.90	4.84	2.82	1.93	1.89		1.12
28	0.99	0.92	1.57	2.78	3.51	4.80	3.83	2.86	1.89	1.84		1.10
29	1.05		1.57	2.67	3.62	4.83	3.58	2.76	1.90	1.69		1.05
30	0.95		1.84	2.44	3.62	5.74	3.54	3.11	1.91	1.70		1.05
31	0.90		1.82		3.65		3.48	2.82		1.64		1.04
Ave.	0.91	0.81	1.15	2.56	2.93	3.92	4.41	3.25	2.25	1.81		0.97

**Chakdara**  
**Daily Gage Height, in Feet**      **1978**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.01	1.04	1.72	1.96	2.88	3.95	5.11	3.81	2.17	1.53	0.44	0.43
2	1.01	1.02	1.68	1.93	2.93	4.06	5.00	3.94	2.03	1.48	0.52	0.39
3	1.00	1.00	1.49	1.85	3.11	4.39	5.25	4.66	2.12	1.65	0.52	0.37
4	0.99	1.00	1.50	2.31	3.41	4.85	4.97	4.92	2.04	1.53	0.78	0.38
5	0.98	1.01	1.78	2.10	4.05	5.06	5.08	4.13	2.02	1.38	0.71	0.39
6	0.96	1.30	2.08	2.11	4.02	5.00	6.64	4.17	2.02	1.32	1.30	0.39
7	0.98	1.11	1.78	2.24	3.71	5.02	6.21	3.84	2.02	1.21	1.40	0.35
8	0.97	1.02	1.63	2.60	3.72	6.11	6.80	3.71	2.02	1.15	0.95	0.35
9	0.94	1.02	1.54	2.75	3.74	5.07	5.67	4.00	1.93	1.17	0.84	0.34
10	0.93	1.01	3.58	2.97	3.82	4.55	5.04	4.30	2.17	1.10	0.86	0.34
11	0.95	1.01	2.57	3.10	3.75	4.48	4.74	5.02	1.94	1.03	0.79	0.30
12	0.95	1.02	2.23	3.25	3.73	4.66	4.40	4.40	1.88	0.99		0.33
13	0.95	1.05	2.04	3.37	3.69	4.73	4.20	4.52	1.91	0.94	0.61	0.31
14	1.14	1.07	1.94	3.54	3.67	4.65	4.13	3.65	1.97	0.89	0.61	0.30
15	1.13	1.22	1.98	3.71	3.77	4.49	3.89	3.45	2.53	0.83	0.61	0.32
16	1.07	1.14	4.57	3.52	3.76	4.24	3.75	3.26	2.25	0.84	0.62	0.32
17	1.04	1.10	5.00	4.11	3.85	4.17	3.87	3.21	1.92	0.77	0.56	0.29
18	1.04	1.14	3.53	4.38	4.01	4.22	3.78	3.10	1.78	0.70	0.51	0.26
19	1.00	1.09	2.91	3.67	3.65	4.24	3.85	3.36	1.59	0.78	0.53	0.25
20	0.99	1.06	2.57	3.23	3.67	4.48	3.84	3.81	1.43	0.76	0.52	0.27
21	0.98	1.00	2.27	3.09	3.72	4.65	4.23	3.96	1.47	0.69	0.57	0.25
22	0.97	1.00	2.16	3.27	3.83	4.85	3.95	3.51	1.49	0.70	0.55	0.26
23	1.12	1.03	2.03	2.95	4.11	4.94	3.73	3.32	1.57	0.64	0.55	0.25
24	1.10	1.08	1.88	2.87	4.34	5.06	3.70	3.16	1.70	0.67	0.54	0.25
25	1.04	1.04	1.89	2.94	4.31	5.15	3.55	2.99	1.59	0.62	0.49	0.25
26	1.07	1.09	2.00	2.98	5.02	5.29	4.10	2.90	1.48	0.60	0.49	0.23
27	1.08	1.46	2.50	2.90	4.05	5.47	4.34	2.83	1.89	0.59	0.46	0.23
28	1.19	1.56	2.46	3.08	4.17	5.42	3.83	2.95	1.89	0.56	0.43	0.23
29	1.15		2.29	3.04	4.41	5.48	3.66	2.87	1.65	0.59	0.42	0.23
30	1.10		2.14	2.89	4.36	5.31	3.93	2.55	1.57	0.54	0.40	0.25
31	1.04		2.06		4.31		3.61	2.23		0.53		0.23
Ave.	0.96	0.95	2.09	2.96	3.86	4.64	4.32	3.50	1.87	0.93	0.64	0.30

**Chakdara**  
**Daily Gage Height, in Feet**      **1979**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.23	0.12	0.29	2.06	3.94	2.26	4.52	3.38	2.15	1.14		0.46
2	0.20	0.11	0.41	1.83	3.45	2.28	4.54	3.49	2.13	1.13	0.72	0.46
3	0.17	0.09	0.69	1.77	3.35	2.19	4.36	3.60	2.46	1.09	0.71	0.45
4	0.15	0.09	0.52	1.82	3.24	2.28	4.32	3.95	2.07	1.07	0.68	0.47
5	0.14	0.08	0.82	1.76	3.06	2.62	4.29	3.69	1.93	0.97	0.64	0.44
6	0.14	0.07	2.76	1.86	3.09	3.06	4.32	3.59	1.95	0.99	0.61	0.45
7	0.14	0.06	1.83	2.28	2.94	3.31	4.39	3.60	2.07	0.97	0.63	0.42
8	0.14	0.06	1.55	2.37	2.92	3.57	4.53	3.69	2.48	0.94	1.03	0.40
9	0.14	0.06	1.25	2.20	2.92	3.81	4.53	3.75	2.31	0.94	1.14	0.41
10	0.14	0.06	1.13	2.21	3.74	3.93	4.52	3.86	2.22	0.91	0.93	0.42
11	0.14	0.05	1.04	2.24	3.38	4.06	4.59	3.52	2.03	0.95	0.84	0.41
12	0.14	0.04	0.93	2.36	3.24	4.09	4.55	3.38	2.18	1.01	0.76	0.40
13	0.13	0.17	0.99	2.38	3.00	3.87	4.63	3.14	2.14	1.03	0.69	0.39
14	0.92	0.13	0.94	2.49	2.81	3.62	4.49	3.03	2.07	1.06	0.68	0.39
15	0.49	0.10	0.93	2.57	2.73	3.53	4.37	3.06	2.06	0.99	0.70	0.43
16	0.59	0.09	0.87	2.31	2.63	3.77	4.29	3.60	2.23	0.97	0.65	0.43
17	0.43	0.17	0.87	2.30	2.42	3.96	4.33	3.40	2.12	0.92	0.66	0.38
18	0.28	0.46	0.81	2.86	2.53	4.12	4.14	3.22	1.96	0.91	0.61	0.42
19	0.27	1.71	0.79	4.20	2.70	4.24	3.98	3.34	1.94	0.87	0.58	0.41
20	0.25	1.92	0.83	3.32	2.86	4.27	4.19	3.70	1.88	0.85	0.55	0.41
21	0.22	1.13	0.94	2.82	2.67	4.41	4.14	3.64	1.74	0.89	0.52	0.39
22	0.21	0.81	0.95	2.80	2.48	4.26	4.07	3.44	1.65	0.90	0.52	0.40
23	0.17	0.69	0.97	2.94	2.39	4.45	3.88	3.18	1.57	0.85	0.50	0.41
24	0.21	0.54	0.94	3.10	2.49	4.46	4.01	3.42	1.62	0.82	0.51	0.40
25	0.17	0.49	0.91	3.16	2.72	4.44	3.80	3.29	1.61	0.81	0.51	0.41
26	0.16	0.50	0.92	3.28	2.90	4.50	3.49	2.99	1.54	0.77	0.51	0.40
27	0.15	0.42	1.01	3.23	2.66	4.52	3.57	2.64	1.42	0.76	0.50	0.40
28	0.15	0.34	1.13	3.31	2.68	4.59	3.52	2.68	1.34	0.77	0.48	0.38
29	0.13		1.43	3.62	2.49	4.68	3.17	2.60	1.30	0.75	0.48	0.39
30	0.13		3.53	3.95	2.33	4.65	3.13	2.32	1.20	0.75	0.48	0.55
31	0.13		2.64		2.25		3.33	2.16		0.73		0.52
Ave.	0.23	0.38	1.15	2.65	2.78	3.79	4.13	3.30	1.91	0.92	0.65	0.42

**Chakdara**  
**Daily Gage Height, in Feet**      **1980**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	0.67	0.53	0.93	2.67	3.52	4.11	4.17	3.97	2.99	1.73	1.82	1.16
2	0.62	0.52	0.80	2.97	3.75	4.08	4.13	3.62	2.97	1.70	1.68	1.15
3	0.56	0.75	0.74	3.15	3.81	3.86	4.29		2.64	1.66	1.54	1.13
4	0.48	0.64	0.67	2.71	3.74	3.78	4.39	4.56	2.61	1.66	1.50	1.10
5	0.44	0.74	0.54	2.60	3.86	3.90	4.49	4.22	2.64	1.64	1.55	1.07
6	0.43	0.67	3.11	3.18	3.89	4.11	4.55	3.99	2.44	1.62	1.50	1.05
7	0.39	0.58	2.21	3.23	3.90	4.37	4.26	4.20	2.34	1.62	1.42	1.03
8	0.40	0.53	1.93	3.03	3.73	4.40	4.25	3.84	2.34	1.62	1.35	1.01
9	0.40	0.52	1.69	2.97	3.78	4.46	4.28	3.86	2.45	1.66	1.31	1.01
10	0.40	0.52	1.56	2.84	3.69	4.66	4.15	3.54	2.93	1.73	1.28	1.01
11	0.38	0.48	1.51	2.89	3.54	4.65	4.21	3.38	3.19	2.11	1.25	1.02
12	0.36	0.47	1.42	2.70	3.57	4.85	4.46	3.26	3.12	2.11	1.24	1.02
13	0.35	0.53	1.33	2.60	3.64	4.72	4.34	3.18	2.78	1.87	1.18	0.97
14	0.37	1.13	1.25	2.72	3.64	4.40	4.35	3.25	2.63	1.79	1.18	0.94
15	0.35	1.34	1.75	2.80	3.70	4.18	4.40	3.20	2.48	1.72	1.17	0.91
16	0.44	0.97	2.07	2.95	3.60	4.13	4.15	3.17	2.35	1.64	1.15	0.91
17	0.42	0.83	1.89	3.05	3.65	4.37	4.06	3.07	2.26	1.57	1.12	0.90
18	0.38	0.77	2.89	3.45	3.58	4.43	4.12	3.12	2.14	1.54	1.10	0.88
19	0.50	0.71	2.38	3.58	3.66	4.45	4.34	2.90	2.18	1.52	1.08	0.88
20	0.41	0.76	2.13	3.53	3.50	4.49	4.00	2.67	2.04		1.06	0.88
21	0.40	0.76	2.12	3.42	3.26	4.77	3.79	2.54	1.95	1.49	1.04	0.89
22	0.41	1.14	3.08	3.11	3.15	4.69	3.77	2.54	1.92	1.44	1.04	0.89
23	0.38	1.22	2.59	2.97	3.12	4.65	3.90	2.62	1.92	1.40	1.02	0.87
24	0.38	1.04	2.47	2.94	3.15	4.66	3.75	2.74	2.38	1.37	1.00	0.87
25	0.51	0.85	3.04	3.14	3.31	4.83	3.66	2.73	2.22	1.35	1.00	0.86
26	1.56	0.76	2.53	2.23	3.67	4.82	3.71	2.98	1.99	1.34	1.10	0.95
27	1.13	0.80	2.28	3.44	4.09	4.55	3.92	2.89	1.94	1.27	1.54	0.92
28	0.78	1.45	2.20	3.50	4.19	4.66	3.71	3.04	1.87	1.25	1.30	0.91
29	0.70	1.10	2.68	3.40	4.38	4.41	3.87	2.88	1.82	1.35	1.24	1.06
30	0.59		2.67	3.43	4.38	4.27	3.70	2.83	1.76	1.39	1.19	0.95
31	0.57		2.56		4.28		4.30	2.73		2.08		0.92
Ave.	0.52	0.80	1.97	3.04	3.70	4.42	4.11	3.25	2.38	1.61	1.20	0.97

**Chakdara**  
**Daily Gage Height, in Feet**      **1981**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.90	0.56	1.75	2.64	4.46	4.70	6.15	4.22	2.65	2.24	1.33	0.97
2	0.90	0.51	1.73	2.55	4.66	4.39	5.78	4.36	2.61	2.41	1.26	0.99
3	0.99	0.60	1.46	4.76	4.89	4.29	5.68	4.05	2.63	2.16	1.26	1.00
4	1.01	0.79	1.35	2.88	5.26	4.23	5.67	3.99	2.59	2.04	1.25	0.99
5	1.12	0.82	1.27	3.20	6.12	4.45	5.23	4.05	2.60	1.94	1.18	0.99
6	1.03	0.73	2.50	2.32	5.12	4.77	5.86	4.24	2.43	1.85	1.15	0.46
7	0.95	0.67	2.00	2.77	4.74	5.09	4.86	4.47	2.38	1.77	1.11	0.98
8	0.87	0.64	1.68	2.62	4.50	4.82	4.82	4.37	2.24	1.70	1.05	0.92
9	0.83	0.63	1.53	2.77	4.40	4.61	4.77	4.46	2.10	1.67	1.02	0.93
10	0.82	0.62	1.53	2.99	4.40	4.24	4.44	4.64	2.01	1.66	1.01	0.92
11	0.80	0.62	1.43	3.31	4.95	3.80	4.47	4.56	1.95	1.55	1.20	0.90
12	0.74	0.70	1.27	3.62	4.69	3.45	4.67	4.46	1.86	1.65	1.27	0.91
13	0.71	2.88	1.21	3.79	5.05	3.30	5.13	4.30	1.77	1.71	1.21	0.85
14	0.77	1.88	1.22	3.95	5.96	3.36	5.42	4.18	1.71	1.66	1.17	0.85
15	0.72	1.46	1.53	5.69	5.07	3.46	5.78	4.02	1.69	1.71	1.16	0.85
16	0.72	1.27	1.86	5.51	4.98	3.62	5.92	3.93	1.71	1.93	1.16	0.85
17	0.60	1.14	1.75	4.66	4.93	4.00	5.83	3.66	1.73	2.48	1.14	0.83
18	0.65	1.10	1.71	4.47	5.09	4.49	5.65	3.48	1.83	2.14	1.11	0.83
19	0.62	1.06	2.59	4.60	5.19	4.62	5.40	3.42	2.17	1.98	1.08	0.82
20	0.60	1.02	3.40	4.61	5.05	4.93	5.02	3.43	2.04	1.93	1.05	0.81
21	0.57	0.95	3.75	7.41	4.61	5.05	5.00	3.46	2.05	1.80	1.03	0.81
22	0.56	0.98	2.97	5.43		4.63	5.06	3.42	2.09	1.71	1.02	0.80
23	0.52	1.42	2.48	4.23		4.57	5.77	3.17	2.17	1.63	1.01	0.80
24	0.59	2.29	2.38	4.07		5.15	5.78	3.01	2.60	1.61	1.03	0.79
25	0.69	1.69	2.37	4.23		5.30	5.43	2.92	2.67	1.56	1.19	0.78
26	0.60	1.62	2.32	4.37		5.50	4.83	3.10	2.35	1.54	1.11	0.78
27	0.59	1.34	2.39	4.19		5.53	4.36	3.48	2.24	1.52	1.05	0.76
28	0.60		2.49	4.40		5.89	4.60	3.14	2.16	1.55	1.01	0.79
29	0.59		2.59	4.81		6.60	4.90	3.52	2.08	1.54	1.00	0.80
30	0.52		4.08	4.50		6.21	4.32	2.97	2.31	1.46	0.98	0.79
31	0.59		3.07				4.57	2.78		1.42		0.78
Ave.	0.73	1.11	2.05	4.05	4.96	4.50	5.04	3.78	2.18	1.79	1.09	0.82

**Chakdara**  
**Daily Gage Height, In Feet**      **1982**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	0.77	0.75	1.34	3.20	4.16	4.58	4.92	5.95	2.33	1.52	1.94	2.34
2	0.76	0.75	1.24	3.01	4.71	3.81	4.41	6.64	2.27	1.97	1.93	2.41
3	0.75	0.90	1.21	2.88	4.82	3.69	4.32	5.92	2.30	1.41	1.90	2.31
4	0.75	0.90	1.12	2.66	4.92	3.92	4.26	5.55	2.29	1.33	2.04	2.26
5	0.75	0.82	1.34	2.69	5.23	4.32	4.17	5.42	2.28	1.23	2.00	2.26
6	0.74	0.75	1.34	2.51	5.45	4.65	4.12	5.39	2.27	1.26	1.94	2.24
7	0.72	0.76	1.23	2.20	5.53	5.06	4.07	5.86	2.28	1.24	1.91	2.20
8	0.69	0.75	1.17	2.20	5.53	5.54	4.14	5.09	2.32	1.26	1.93	2.29
9	0.69	0.74	1.22	2.44	5.68	5.79	4.04	4.69	2.13	1.15	1.88	2.60
10	0.68	0.73	1.62	2.73	5.86	5.75	4.25	5.45	2.05	1.20	1.85	2.56
11	0.66	0.91	1.39	2.84	5.33	5.79	4.12	4.90	1.95	1.18	2.20	2.43
12	0.63	0.88	1.35	2.83	4.60	5.83	4.37	4.65	1.91	1.06	2.20	2.36
13	0.58	0.78	1.25	2.83	4.05	5.89	4.40	4.53	1.82		2.24	2.44
14	0.58	0.77	1.21	3.01	3.60	5.93	4.28	4.28	1.86		2.19	2.78
15	0.56	0.72	1.36	3.26	3.32	5.70	4.08	4.29	1.82		2.89	2.54
16	0.55	0.86	1.62	4.08	3.10	5.72	4.11	4.62	1.77		4.18	2.44
17	0.52	0.91	1.86	4.51	3.06	5.55	4.17	5.24	1.82		3.42	2.42
18	0.54	0.83	1.72	3.75	3.30	4.88	4.29	4.47	1.90		3.23	2.36
19	0.58	0.83	1.62	3.26	3.52	4.42	4.47	4.26	1.99		3.04	2.32
20	0.55	1.20	1.51	3.29	3.73	4.42	4.72	4.26	1.85		2.85	2.26
21	0.50	1.10	1.73	3.48	4.29	4.55	5.75	4.14	1.84		2.76	2.23
22	0.68	0.90	5.20	3.78	4.72	4.53	4.96	3.79	1.96		2.57	2.22
23	0.77	0.92	3.38	4.16	5.14	4.24	5.00	3.67	2.15		2.46	2.21
24	0.70	0.90	2.59	4.44	5.03	3.94	5.99	3.61	2.00		2.40	2.18
25	0.72	0.86	2.46	4.35	4.58	3.67	5.78	3.45	1.92		2.34	2.15
26	0.71	0.83	2.25	4.64	4.88	3.76	5.47	3.24	1.72		2.37	2.13
27	0.69	0.85	2.16	5.27	4.71	4.43	5.23	2.92	1.63		2.32	2.12
28	0.68	1.23	2.10	4.32	4.66	4.70	5.16	2.67			2.26	2.14
29	0.66		2.33	4.24	4.52	4.81	5.39	2.61	1.58		2.25	2.22
30	0.81		3.00	4.13	4.45	5.22	5.36	2.55	1.52		2.24	2.60
31	0.87		3.70		4.62		5.25	2.46				2.28
Ave.	0.67	0.86	1.80	3.43	4.55	4.84	4.68	4.41	1.98	1.32	2.39	2.33

**Chakdara**  
**Daily Gage Height, In Feet**      **1983**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	2.22	2.52		2.67	4.49	5.23	6.25	5.54	4.08	2.12	1.42	1.23
2	2.18	2.43	4.07	2.80	4.14	5.08	6.27			2.04	1.40	1.22
3	2.16	2.38	3.35	2.89	4.09	4.94	6.23	5.45	4.86	2.00	1.38	1.22
4	2.14	2.32	3.07	3.15	4.01	4.71	5.74	5.21	4.23	1.95	1.36	1.22
5	2.17	2.29	2.98	3.19	4.68	4.70	5.40	5.28	3.97	1.90	1.35	1.21
6	2.19	2.26	2.69	3.28	4.81	4.78	4.90	5.15	3.83	1.90	1.36	1.21
7	2.20	2.27	2.60	3.59	4.80	4.79	4.75	5.01	3.77	1.88	1.32	1.20
8	2.20	2.21	2.77	3.84	5.09	4.79	4.78	5.11	3.63	1.86	1.32	1.19
9	2.19	2.20	4.08	4.01	5.33	4.82	4.83	5.01	3.48	1.86	1.30	1.18
10	2.15	2.16	3.94	3.87	5.78	4.88	4.82	4.91	3.54	1.86	1.30	1.18
11	2.11	2.14	4.18	3.62		4.89	4.68	4.73	3.49	1.85	1.29	1.17
12	2.11	2.10	3.74	3.80	5.29	5.23	4.63	4.56	3.39	1.85	1.28	1.17
13	2.09	2.07	3.41	4.32	5.41	5.45	4.45	4.24	3.33	1.86	1.26	1.16
14	2.05	2.01	3.24	3.90	5.43	5.75	4.25	4.13	3.21	1.66	1.26	1.17
15	2.19	2.16	3.16	3.60	5.50	5.78	4.23	4.10	3.16	1.88	1.25	1.20
16	2.11	2.19	3.23		5.72	5.52	4.43	3.89	3.07	1.82	1.25	1.20
17	2.07	2.17	3.11	3.75	5.79	5.59	4.37	3.89	2.90	1.77	1.24	1.20
18	2.06	2.14	3.16	3.46	5.96	5.22	4.44	3.99	2.78	1.75	1.24	1.20
19	2.03	2.13	3.46	3.27		5.10	4.50	4.19	2.64	1.71	1.24	1.19
20	2.00	2.11	3.72	3.32	6.26	5.17	4.63	4.77	2.50	1.72	1.23	1.19
21	2.02	2.10	3.33	3.52	5.81	5.26	4.90	4.43	2.33	1.70	1.23	1.18
22	2.05	2.09	3.19	3.79	5.40	5.39	5.14	4.35	2.24	1.65	1.23	1.27
23	2.03	2.38	2.98	4.09	5.23	5.66		4.21	2.13	1.63	1.23	1.24
24	2.00		2.86	3.96	5.20	5.69	5.50	4.12	2.04	1.63	1.22	1.21
25	1.97	3.00	3.55	3.93	5.14	5.63	5.61	4.77	1.94	1.59	1.21	1.19
26	2.03	2.66		4.44	5.07	5.74	5.53	6.05	1.86	1.55	1.21	1.19
27	2.26	2.53	3.55		5.16	5.86	5.59	5.69	1.94	1.53	1.21	1.18
28		2.47	3.18	3.30	5.17	5.89	5.43	4.97	1.93	1.51	1.22	1.18
29	3.01		2.88	4.95	5.32	5.91	5.27	4.41	1.99	1.47	1.22	1.18
30	2.96		2.74	4.82	5.00	5.97	5.40	4.03	2.00	1.46	1.24	1.17
31	2.74		2.64		5.30		5.48	4.08		1.43		1.17
Ave.	2.19	2.28	3.27	3.68	5.19	5.31	5.08	4.68	2.97	1.75	1.28	1.20

**Chakdara**  
**Daily Gage Height, in Feet**

**1984**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.17	1.08	1.19	2.98	2.95	5.66	5.04	4.05	4.02	1.80	1.25	1.38
2	1.18	1.13	1.17		3.02	5.98	5.06	3.97	4.49	1.79	1.21	1.37
3	1.18	1.11	1.17	4.10	3.28	5.91	4.70	4.03	4.48	1.77	1.19	1.34
4	1.18	1.20	1.15	3.39	3.37	5.89	4.68	4.04	3.85	1.71	1.18	1.29
5	1.18	1.13	1.17	2.80	3.54	6.04	4.52	4.54	3.62	1.68	1.17	1.27
6	1.17	1.09	1.18	2.73	3.70	6.00	4.41	4.19	3.57	1.65	1.14	1.27
7	1.17	1.17	1.11	2.41	3.68	5.73	4.84	4.16	3.49	1.62	1.15	1.26
8	1.17	1.17	1.14	2.78	3.98	5.73	4.53		3.50	1.59	1.14	1.27
9	1.16	1.12	1.18	2.25	3.85	5.93	4.21	4.79	3.33	1.57	1.19	1.50
10	1.16	1.15	1.21	2.12	3.52	5.73	4.05	4.35	3.02	1.63	1.31	1.39
11	1.16	1.19	1.28	2.12	3.83	5.60	4.22	4.18	2.86	1.58	1.24	1.32
12	1.17	1.15	1.30	2.28	4.26	5.51	4.12	4.31	2.75	1.57	1.22	1.30
13	1.21	1.12	1.28	2.41	4.26	5.53	4.04	4.11	2.66	1.54	1.19	1.36
14	1.17	1.08	1.24	2.70	3.97	5.55	4.04	4.13	2.89	1.51	1.20	1.31
15	1.17	1.09	1.29	2.72	3.98	5.56	4.08	4.09	2.64	1.50	1.25	1.27
16	1.18	1.16	1.58	2.58	3.70	5.53	4.46	4.84	2.48	1.49	1.22	1.26
17	1.16	1.40	2.50	2.65	3.54	5.66	4.17	4.37	2.44	1.48	1.45	1.26
18	1.15	1.49		2.56	3.45	5.89	4.51	4.13	2.61	1.47	1.52	1.24
19	1.14	1.41	2.84	2.69	3.90	5.44	4.63	4.19	2.89	1.45	1.40	1.21
20	1.14	1.55	2.22	3.07	3.59	5.13	4.72	4.42	2.73	1.43	1.34	1.20
21	1.13	1.44	2.01	3.27	3.73	4.97	4.72	4.29	2.55	1.42	1.41	1.19
22	1.12	1.34	1.48	2.73	3.98	4.96	4.40	4.39	2.50	1.40	1.97	1.19
23	1.11	1.29	2.11	2.73	4.40	5.03	4.18	4.46	2.33	1.39	2.09	1.18
24	1.10	1.27	2.23	3.04	4.21	5.20	4.18	4.11	2.44	1.38	1.78	1.16
25	1.10	1.23	3.10	3.46	4.20	5.32	4.09	4.01	2.32	1.37	1.57	1.16
26	1.08	1.23	2.64	3.64	4.85	5.38	4.13	3.96	2.19	1.36	1.49	1.15
27	1.08	1.23	2.30	4.01	4.86		3.93	4.31	2.10	1.35	1.44	1.15
28	1.10	1.21	2.26	3.91	4.71	5.80	4.09	4.24	2.04	1.36	1.43	1.14
29	1.04	1.18	2.27	3.33	5.16	5.45	4.61	4.03	1.97	1.32	1.42	1.13
30	1.01		2.29	3.01	5.36	5.16	4.46	3.82	1.87	1.29	1.38	1.23
31	1.01		2.30		5.70		4.09	3.85		1.27		1.25
Ave.	1.14	1.22	1.74	2.91	4.02	5.56	4.38	4.21	2.89	1.51	1.36	1.26

**Chakdara**  
**Daily Gage Height, in Feet**

**1985**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.19	1.24	1.12	1.98	2.88	3.94	4.02		2.50	1.64	1.16	0.90
2	1.15	1.23	1.14	1.87	2.68	4.16	3.52	4.11	2.39	1.64	1.26	0.86
3	1.14	1.22	1.13	1.90	2.50	4.24	3.22		2.30	1.66	1.17	0.86
4	1.13	1.23	1.16	1.97	2.42	4.30	3.15	4.41	2.36	1.68	1.15	0.85
5	1.15	1.42	1.20	1.90	2.49	4.46	3.49	4.37	2.70		1.11	0.85
6	1.19	1.28	1.13	2.14	2.67	4.67	4.19	4.41	2.51	2.11	1.11	0.86
7	1.14	1.23	1.15	2.70	2.88	4.55	4.52	4.91	2.42	2.04	1.08	0.93
8	1.11	1.23	1.11	3.38	3.80	4.23	4.72	4.62	2.32	1.80	1.05	1.65
9	1.10	1.22	1.12	3.50	4.24	4.41	4.57	3.91	2.17	2.23	1.06	1.13
10	1.09	1.19	1.02	2.83	3.99	4.64	4.50	3.80	2.14	2.43	1.16	1.08
11	1.08	1.16	1.00	2.46	3.64	4.61	4.49	3.50	2.06	2.12	1.10	1.04
12	1.08	1.14	1.00	2.26	3.33	4.43	5.19	3.37	2.03	1.91	1.07	1.01
13	1.07	1.12	0.98	2.17	3.24	4.08	4.84	3.37	2.00	1.78	1.05	1.01
14	1.07	1.11	0.93	2.58	3.01	4.14	4.59	3.28	2.06	1.69	1.03	1.09
15	1.07	1.11	0.94	2.24	2.96	3.83	4.49	3.41	1.97	1.80	1.00	1.12
16	1.06	1.10	0.95	2.28	3.02	3.73	4.76	3.11	1.96	1.68	0.98	1.47
17	1.05	1.09	0.93	2.39	2.98	3.63	5.23	3.02	1.91	1.61	0.97	1.25
18	1.69	1.09	0.95	2.51	2.99	3.61	5.22	3.04	2.13	1.53	0.95	1.20
19	1.78	1.12	0.90	2.46	3.21	3.97			2.23	1.47	0.93	1.11
20	1.49	1.17	0.85	2.33	3.49	3.90	5.04	3.19	2.02	1.43	0.89	1.06
21	1.70	1.11	0.85	2.51	3.48	3.78	4.26	3.07	1.99	1.39	0.88	1.04
22	1.51	1.06	0.93	2.53	3.59	3.68	3.90	2.98	2.09	1.35	1.04	1.03
23	1.40	1.06	1.17	2.78	4.07	3.71	3.92	3.00	2.10	1.32	1.03	1.04
24	1.35	1.05	1.28	2.66	4.22	3.86	3.85	2.96	2.09	1.33	1.00	1.13
25	1.34	1.06	1.41	2.76	3.80	3.88	4.84	3.04	1.99	1.39	0.96	1.87
26	1.57	1.08	1.69	2.74	3.53	3.93	4.74	2.98	1.85	1.42	0.95	2.03
27	1.48	1.09		2.83	3.46	4.11	5.10	2.76	1.85	1.35	0.94	1.74
28	1.38	1.11	2.87	3.04	3.81	4.20	4.49	2.66	1.81	1.29	0.92	1.51
29	1.33		2.39	2.84	3.97	4.36	4.14	2.65	1.74	1.25	0.93	1.37
30	1.31		2.09	2.85	3.85	4.27	4.16	2.71	1.67	1.22	0.92	1.32
31	1.29		1.98		3.69		3.99	2.61		1.18		1.21
Ave.	1.27	1.15	1.25	2.51	3.35	4.11	4.37	3.40	2.11	1.62	1.03	1.18

**Chakdara**  
**Daily Gage Height, in Feet**

**1986**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.19	0.80	1.17	2.84	3.42	3.73	5.09	4.82	2.79	2.15	1.51	1.57
2	1.15	0.80	1.17	2.59	3.73	3.45	5.05	4.99	2.80	2.14	1.49	1.57
3	1.09	0.79	1.17	2.49	3.89	3.40	5.13	5.25	2.76	2.10	1.46	1.58
4	1.05	0.85	1.20	2.42	3.68	3.40	5.25	5.97	2.90	2.07	1.45	1.58
5	1.03	0.80	1.19	2.54	3.74	3.34	5.60	5.66	2.93	2.09	1.43	1.62
6	1.04	0.75	1.25	2.79	3.95	3.24	5.71	5.07	2.78	2.06	1.40	1.60
7	1.05	0.74	1.24	2.93	4.15	3.29	6.06	5.14	2.66	2.03	1.38	1.62
8	1.02	0.71	1.18	2.97	4.28	3.41	6.02	4.88	2.55	2.03	1.37	1.61
9	1.00	0.70	1.22	3.05	4.40	3.44	5.80	4.62	2.50	2.00	1.34	1.56
10	1.00	0.72	1.33	3.40	4.24	4.08	5.35	4.45	2.48	1.97	1.33	1.54
11	0.98	0.83		3.51	4.25	4.54	5.11	4.50	2.46	1.96	1.32	
12	0.97	0.95	2.38		4.26		4.67	4.01	2.48	1.99	1.30	2.32
13	0.96	1.83	2.44	4.64	4.31	4.77	4.35	3.85	2.43	2.01	1.30	2.56
14	0.94	1.52	3.36	3.91	4.43	4.61	4.36	3.81	2.50	2.03	1.34	2.20
15	0.90	1.30	3.16	3.65	4.48	4.73	4.48	3.71	2.65	1.94	1.98	2.05
16	0.88	1.19	2.60	3.54	4.24	4.81	4.60	3.68	2.46	1.92	1.87	1.94
17	0.86	1.20	2.56	3.40	4.29	4.76	5.09	3.59	2.33	1.95	1.64	1.82
18	0.85	1.87	3.24	3.49	4.34	4.86		3.82	2.22	1.95	1.55	1.77
19	0.83	1.56	2.74	3.59	4.09	5.08	5.26	3.93	2.19	1.90	1.52	1.72
20	0.80	1.38	2.56	3.80	3.67	5.24	5.37	4.33	2.15	1.85	1.50	1.67
21	0.78	1.65	2.24	3.87	3.41	5.26	5.08	4.57	2.16	1.79	1.46	1.64
22	1.08	1.50	2.15	3.99	3.29	5.47	5.12	4.10	2.08	1.73	1.48	1.69
23	1.21	1.43	2.07	3.93	3.27	5.72	4.65	3.87	2.05	1.69	1.48	1.65
24	0.98	1.37	2.05	3.98	3.48	6.04	4.41	3.59	2.04	1.66	1.46	1.59
25	0.94	1.32	1.95	4.76	3.81	6.02	4.21	3.53	2.04	1.65	1.58	1.60
26	0.91	1.27	1.97		4.13	6.03	4.14	3.57	2.06	1.62	2.55	1.59
27	0.88	1.24	2.36	4.53	3.86	5.70	4.26	3.34	2.07	1.61	2.20	1.58
28	0.86	1.21		3.91	3.88	5.26		3.29	2.11	1.60	1.89	1.58
29	0.85		3.96	3.52	4.15	5.34	4.70	3.14	2.39	1.57	1.73	1.56
30	0.85		3.39	3.35	4.05	5.15	4.48	3.00	2.20	1.56	1.64	1.56
31	0.81		3.19		3.82		4.50	2.94		1.54		1.54
Ave.	0.96	1.15	2.15	3.48	3.96	4.63	4.96	4.16	2.41	1.88	1.57	1.72

**Chakdara**  
**Daily Gage Height, in Feet**

**1987**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.51	1.18	1.64	3.39	4.51	5.21	5.19	4.58	4.14	2.62	2.71	2.08
2	1.50	1.16	1.60	3.73	4.13	4.99	5.22	4.42	4.02	2.80	2.53	2.13
3	1.46	1.17	1.63	4.42	4.03	6.18	5.22	4.38	3.96	2.70	2.58	2.13
4	1.46	1.14	1.59	3.98	4.15	5.58	5.23	4.31	3.80	2.63	2.54	2.14
5	1.45	1.10	1.76	3.53	4.35	5.39	5.35	4.25	3.83	2.58	2.46	2.13
6	1.44	1.10	3.55	3.34	4.45	5.48	5.30	4.27	3.79	2.54	2.42	2.12
7	1.42	1.13	3.57	3.31	4.79	5.73	5.45	4.51	3.80	2.51	2.44	2.11
8	1.41	1.44	3.16	3.78	4.62	5.93	5.66	4.46	3.80	2.50	2.41	2.12
9	1.40	1.39	2.71	4.68	4.49	5.74	5.54	4.56	4.15	2.48	2.41	2.11
10	1.39	1.26	2.42	3.98	4.20	5.69	5.49	4.49	4.34		2.40	2.09
11	1.36	1.27	2.20	3.61	4.01	5.26	5.49	4.59	3.80		2.36	2.07
12	1.36	1.27	2.14	3.33	3.81	5.12	5.60	4.68	3.66	4.34	2.36	2.05
13	1.41	1.26	2.43	3.19	3.85	5.10	5.27	4.63	3.52	3.75	2.35	2.04
14	1.40	1.25	2.80	3.07	3.70	4.95	4.79	4.64	3.44	3.25	2.31	2.04
15	1.35	1.22	2.75	3.03	3.62	4.81	4.64	4.46	3.37	2.97	2.28	2.02
16	1.34	1.29	3.67	3.02	3.71	4.75	4.58	4.41	3.31	2.84	2.20	2.02
17	1.34	1.43	3.64	3.18	3.95	4.52	4.64	4.36	3.23	2.78	2.18	1.99
18	1.30	1.51	3.02	3.46	4.30	4.47	4.77	4.63	3.17	2.98	2.18	1.96
19	1.29	1.40	2.94	3.55	4.26	4.59	4.84	4.30	3.12	2.79	2.16	1.95
20	1.28	1.38	3.21	3.87	4.52	4.88	4.83	4.31	3.09	2.75	2.13	1.94
21	1.27	1.37	4.44	4.38	4.55	4.87	4.88	4.65	3.26	2.64	2.13	1.94
22	1.25	1.36	4.25	5.14	5.27	4.50	4.96	4.71	3.06	2.63	2.14	1.94
23	1.25	1.40	4.78	5.18	5.03	4.17	5.44	4.64	2.93	2.63	2.11	1.93
24	1.23	2.45	4.04	4.65	4.74	4.29	5.74	4.68	2.84	2.64	2.12	1.92
25	1.19	2.47	3.74	4.41	4.61	4.37	6.37	4.79	2.82	2.59	2.12	1.91
26	1.18	2.02	4.07	4.34	4.48	4.67	6.18	4.60	2.80	2.56	2.09	1.90
27	1.16	1.82	3.80	4.44	4.81	4.65	5.99	4.52	2.75	2.56	2.09	1.91
28	1.15	1.66	3.52	4.69	4.91	4.96	5.20	4.70	2.74	2.58	2.08	1.90
29	1.18		3.43	5.10		5.15	4.76	4.54	2.72	3.52	2.08	1.89
30	1.15		3.60	4.83		5.17	5.18	4.78	2.69	3.02	2.08	1.87
31	1.14		3.43		5.00		4.75	4.37		2.81		1.83
Ave.	1.32	1.43	3.08	3.95	4.40	5.04	5.23	4.51	3.40	2.83	2.28	2.01

**Chakdara**  
**Daily Gage Height, in Feet**      **1988**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	1.80	1.47	1.62	2.67	5.10	5.56	5.60	5.73	2.36	1.59	0.94	0.77
2	1.78	1.44	1.56	2.62	5.14	5.36	5.56	5.09	2.29	1.65	0.91	0.77
3	1.62	1.43	1.56	3.33	4.63	5.04	5.58	4.59	2.39	1.66	0.93	0.77
4	1.50	1.45	1.57	3.22	4.63	4.94	5.62	3.98	2.17	1.69	0.89	0.76
5	1.44	1.45	1.66	2.99	4.65	4.56	6.11	3.61	2.11	1.61	0.88	0.74
6	1.44	1.46	1.64	2.87	4.43	4.36	5.83	3.52	2.07	1.53	0.86	0.72
7	1.41	1.47	2.03	2.83	4.39	4.30	5.33	3.56	2.01	1.48	0.84	0.71
8	1.39	1.96	2.76	2.78	4.17	4.27	4.90	3.62	1.99	1.46	0.85	0.70
9	1.45	1.66	2.18	2.92	4.10	4.10	4.87	4.13	2.44	1.46	0.83	0.70
10	1.45	1.60	4.15	3.08	4.23	3.89	4.93	3.77	2.12	1.52	0.84	0.70
11	1.42	1.58	4.84	2.90	4.45	3.83	4.97	3.75	2.07	1.44	0.83	0.70
12	1.43	1.59	4.04	3.20	4.66	4.13	5.01	3.73	2.07	1.39	0.83	0.71
13	1.39	1.57	3.75	3.53	4.63	4.50	5.17	3.69	2.12	1.37	0.82	0.70
14	1.39	1.55	3.13	3.76	4.99	4.51	5.74	3.71	2.20	1.37	0.82	0.70
15	1.39	1.55	2.82	3.83	5.03	4.48	8.16	4.00	2.28	1.32	0.82	0.71
16	1.39	1.50	2.90	3.96	4.88	4.43	5.98	3.82	2.60	1.28	0.82	0.70
17	1.35	1.50	2.70	4.21	4.68	4.85	4.53	3.55	2.48	1.26	0.82	0.70
18	1.35	1.44	2.70	4.61		5.14	3.99	3.38	2.61	1.24	0.79	0.75
19	1.37	1.46	2.51	4.37	4.44	5.45	3.66	3.21	2.27	1.24	0.79	0.89
20	1.33	1.56	2.43	4.17	4.52	5.58	3.39	3.11	2.12	1.22	0.79	0.85
21	1.53	2.14	2.35	4.09	4.69	54.79	3.45	3.10	2.04	1.20	0.81	0.95
22	1.79	1.82	2.36	4.20	4.60	5.69	3.99	3.07	2.08	1.16	0.83	1.18
23	1.59	1.70	2.34	4.22	4.60	5.95	5.55	3.08	1.99	1.14	0.81	1.11
24	1.58	1.65	2.44	4.09	4.70	5.94	5.51	2.98	1.89	1.12	0.81	1.02
25	1.54	1.57	2.86	4.32	4.64	5.70	4.84	2.96	1.84	1.09	0.82	0.90
26	1.50	1.57	4.14	4.46	4.67	5.78	4.00	3.13	1.82	1.06	0.81	0.85
27	1.50	1.63	3.48	4.49	4.88	6.04	3.76	4.08	1.76	1.05	0.79	0.81
28	1.61	1.62	3.13	4.10	4.81	6.14	3.85	3.70	1.75	1.02	0.78	0.80
29	1.56	1.70	2.89	4.81	5.03	6.37	3.90	3.05	1.74	1.00	0.76	0.81
30	1.51		2.86	4.84	5.41	5.80	3.68	2.73	1.68	0.96	0.77	1.04
31	1.49		2.74		5.27		4.90	2.51		0.95		0.96
Ave.	1.49	1.59	2.71	3.72	4.70	6.72	4.91	3.61	2.11	1.31	0.83	0.81

**Kalam**



**Kalam**  
**Daily Gage Height, in Feet**

**1964**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.46	5.28	5.32	6.18	7.77	10.12	13.58	10.80	10.36	7.26	6.09	5.88
2	5.50	5.28	5.32	6.21	8.26	9.95	13.83	10.89	10.16	7.15	6.05	5.91
3	5.55	5.30	5.31	6.27	8.86	9.90	14.17	11.09	10.12	7.13	6.04	5.87
4	5.48	5.32	5.28	6.21	8.85	9.80	14.09	11.35	10.18	6.99	5.99	5.86
5	5.48	5.32	5.28	6.19	8.43	10.14	13.60	11.28	9.59	6.95	5.99	5.84
6	5.50	5.32	5.28	6.31	8.74	10.01	13.44	11.04	9.34	6.98	5.97	5.68
7	5.67	5.35	5.28	6.34	8.92	10.02	13.48	11.25	9.51	7.02	5.99	5.59
8	5.75	5.33	5.28	6.38	9.31	10.32	13.46	11.42	9.67	6.97	5.90	5.64
9	5.57	5.30	5.30	6.51	9.18	10.69	13.51	11.74	9.63	6.98	5.88	5.54
10	5.50	5.30	5.30	7.10	9.50	10.71	13.60	12.00	9.50	6.94	5.84	5.49
11	5.40	5.30	5.30	7.41	9.90	11.18	13.62	11.97	9.17	6.79	5.84	5.45
12	5.40	5.28	5.30	7.19	10.35	11.20	13.79	11.92	8.91	6.76	5.79	5.45
13	5.40	5.28	5.40	7.08	10.51	11.29	14.10	11.54	8.99	6.74	5.74	5.24
14	5.40	5.28	5.43	7.04	10.53	11.39	13.90	11.67	9.16	6.86	5.72	5.38
15	5.38	5.28	5.46	7.27	10.34	11.99	13.60	11.70	9.30	6.58	5.72	5.32
16	5.34	5.33	5.46	7.15	10.08	12.20	12.59	12.23	9.37	6.66	5.69	5.47
17	5.30	5.33	5.46	6.96	10.26	12.32	11.76	11.94	9.28	6.62	5.67	5.44
18	5.30	5.34	5.48	6.79	10.36	12.46	11.23	11.64	9.03	6.56	5.63	5.46
19	5.30	5.33	5.53	7.05	10.53	12.41	10.51	11.38	8.70	6.47	5.57	5.48
20	5.28	5.32	5.57	6.95	10.73	12.15	10.23	11.31	8.33	6.43	5.55	5.47
21	5.31	5.32	5.62	6.95	9.91	12.89	10.20	11.31	8.16	6.41	5.56	5.48
22	5.33	5.30	5.57	7.07	9.41	12.63	10.43	11.15	8.15	6.38	5.57	5.44
23	5.30	5.32	5.62	7.34	9.07	12.69	10.79	10.96	7.90	6.35	5.56	5.37
24	5.30	5.30	5.86	7.12	8.84	12.93	11.56	10.76	7.81	6.30	5.55	5.42
25	5.30	5.30	5.79	7.76	8.97	12.57	11.81	10.79	7.74	6.28	5.54	5.42
26	5.30	5.30	5.78	7.71	9.49	12.74	12.00	10.76	7.70	6.21	5.54	5.42
27	5.28	5.32	5.81	7.75	9.38	12.79	12.11	10.30	7.59	6.21	5.57	5.42
28	5.28	5.32	5.89	7.50	9.66	13.04	12.43	10.35	7.45	6.19	5.58	5.38
29	5.28	5.32	6.04	7.58	10.09	13.20	11.98	10.25	7.31	6.17	5.74	5.37
30	5.28		5.98	7.48	10.47	13.36	11.09	10.30	7.31	6.12	5.77	5.33
31	5.28		6.16		10.24		10.88	10.35		6.12		5.32
Ave.	5.39	5.31	5.53	6.96	9.58	11.64	12.50	11.21	8.85	6.63	5.75	5.51

**Kalam**  
**Daily Gage Height, in Feet**

**1965**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	5.30	5.20	5.05	5.72	7.82	12.71	13.55	12.21	9.33	7.31	6.04	5.43
2	5.30	5.21	5.05	5.71	7.75	13.03	13.26	12.02	9.30	7.23	6.01	5.40
3	5.27	5.23	5.09	5.56	8.25	13.14	12.87	11.64	9.26	7.23	6.08	5.44
4	5.23	5.28	5.13	5.64	8.47	12.87	12.55	11.49	9.29	7.12	6.13	5.43
5	5.26	5.25	5.15	5.76	8.81	12.11	11.90	11.48	9.23	7.17	6.13	5.36
6	5.30	5.23	5.16	5.87	8.70	11.69	12.15	11.41	9.27	7.23	6.03	5.33
7	5.27	5.18	5.17	5.96	8.32	11.69	12.63	11.28	9.41	6.97	5.88	5.41
8	5.27	5.12	5.19	5.89	8.08	12.43	13.03	11.15	9.44	6.92	5.88	5.43
9	5.27	5.11	5.19	5.95	8.04	12.01	12.89	11.59	9.16	6.86	5.87	5.38
10	5.28	5.10	5.18	5.97	8.33	12.48	12.64	11.52	8.91	6.86	5.86	5.29
11	5.28	5.10	5.19	6.29	8.42	13.03	11.42	11.46	3.62	6.83	5.84	5.30
12	5.28	5.08	5.21	6.46	8.56	13.44	12.21	10.99	8.54	6.82	5.92	5.28
13	5.28	5.06	5.28	7.40	9.15	13.64	12.88	10.61	8.42	6.79	5.89	5.29
14	5.28	5.13	5.37	6.73	9.26	13.84	13.27	10.44	8.43	6.82	5.86	5.27
15	5.29	5.18	5.45	6.59	9.50	13.78	13.77	10.33	8.45	6.81	5.83	5.25
16	5.32	5.16	5.61	6.85	9.73	13.91	13.89	10.30	8.48	6.79	5.80	5.22
17	5.38	5.13	5.75	7.55	10.04	13.53	13.99	10.45	8.50	6.78	5.77	5.22
18	5.50	5.13	5.67	7.13	10.19	14.21	13.89	10.53	8.65	6.77	5.78	5.22
19	5.46	5.11	5.52	7.50	10.34	13.68	13.82	10.71	8.58	6.61	5.77	5.23
20	5.43	5.02	5.45	7.00	10.50	14.01	13.42	10.93	8.68	6.54	5.74	5.23
21	5.46	5.05	5.58	7.10	11.12	14.02	13.48	11.14	8.52	6.46	5.73	5.25
22	5.35	5.03	5.49	7.38	10.50	14.11	13.72	11.42	8.49	6.34	5.69	5.27
23	5.35	5.04	5.48	7.91	10.63	13.65	13.72	11.35	8.30	6.31	5.62	5.26
24	5.30	5.08	5.45	7.40	10.39	13.52	13.85	11.23	8.24	6.28	5.63	5.24
25	5.20	5.08	5.47	7.43	10.43	13.32	13.96	10.67	8.16	6.26	5.51	5.20
26	5.31	5.12	5.52	7.39	11.01	13.43	14.27	10.59	7.97	6.20	5.48	5.17
27	5.28	5.14	5.44	7.37	11.32	13.73	14.01	10.68	7.82	6.18	5.46	5.15
28	5.30	5.03	5.46	7.52	11.87	13.74	13.65	10.66	7.68	6.14	5.40	5.16
29	5.25		5.45	7.62	12.01	13.67	12.96	10.52	7.60	6.11	5.43	5.19
30	5.12		5.67	7.68	12.34	13.50	12.61	9.99	7.47	6.08	5.52	5.18
31	5.18		5.63		12.45		12.32	9.57		6.03		5.19
Ave.	5.30	5.13	5.37	6.74	9.75	13.26	13.18	10.98	8.44	6.67	5.78	5.28

**Kalam**  
**Daily Gage Height, in Feet**      **1966**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	5.18	5.02	4.88	5.64	7.76	10.61	13.42	12.60	9.98	6.94	5.95	5.21
2	5.13	5.05	4.98	5.68	7.72	10.74	13.08	12.32	9.98	6.91	5.89	5.24
3	5.10	4.98	4.97	5.84	7.35	10.71	12.54	12.28	10.04	6.88	5.90	5.30
4	5.08	4.93	5.04	5.80	7.78	10.73	11.76	12.33	10.73	6.84	5.89	5.31
5	5.10	4.94	5.04	5.54	8.28	11.05	11.12	12.25	10.72	6.84	5.79	5.23
6	5.12	4.79	4.86	5.66	9.12	10.76	10.70	12.05	10.32	6.80	5.79	5.20
7	5.12	4.74	4.78	5.75	9.66	12.11	10.60	11.97	9.80	6.64	5.78	5.19
8	5.12	4.75	4.83	5.84	9.97	12.14	10.80	12.27	9.49	6.34	5.77	5.18
9	5.07	4.86	4.99	5.78	9.78	12.80	11.37	12.00	9.49	6.62	5.74	5.17
10	5.08	4.93	5.04	5.99	9.22	11.86	11.87	11.77	9.16	6.66	5.75	5.16
11	5.08	5.05	5.18	6.01	8.76	11.89	12.38	11.62	9.00	6.60	5.75	5.18
12	5.03	5.04	5.27	6.11	8.44	12.27	12.54	11.33	8.58	6.51	5.73	5.19
13	4.98	4.97	5.26	6.85	8.18	12.56	12.46	11.19	8.55	6.50	5.49	5.26
14	4.98	4.99	5.46	6.67	7.95	13.22	12.36	11.02	8.55	6.48	5.54	5.22
15	5.09	4.99	5.57	6.78	7.89	13.60	12.31	10.84	8.60	6.45	5.56	5.20
16	5.08	4.96	5.62	6.93	8.21	13.79	11.83	10.56	8.93	6.45	5.57	5.18
17	5.10	4.93	5.75	6.70	8.75	13.70	11.47	10.20	8.58	6.39	5.53	5.13
18	5.13	4.91	5.40	6.58	9.33	13.86	11.40	10.24	8.40	6.55	5.53	5.06
19	5.13	4.88	5.43	6.72	9.71	14.43	11.07	10.48	8.16	6.50	5.54	5.09
20	5.11	4.92	5.42	7.20	10.06	14.14	11.19	10.66	8.15	6.42	5.51	5.11
21	5.10	4.97	5.58	7.42	10.14	14.05	11.66	10.43	7.81	6.40	5.50	5.11
22	5.08	4.89	5.55	7.31	10.45	13.73	12.07	10.24	7.74	6.29	5.47	5.14
23	5.06	4.87	5.57	7.33	10.22	13.59	12.55	10.27	7.62	6.25	5.43	5.16
24	5.12	4.86	5.73	7.73	9.71	13.69	12.90	10.09	7.58	6.26	5.43	5.13
25	5.05	4.91	5.76	7.55	9.94	13.75	13.05	9.83	7.31	6.24	5.38	5.12
26	4.96	4.88	5.82	7.90	10.27	13.71	12.86	9.59	7.25	6.21	5.35	5.13
27	4.93	4.86	5.76	7.98	10.48	13.65	12.47	9.52	7.19	6.19	5.31	5.14
28	4.90	4.82	5.71	8.43	10.01	13.70	12.31	9.59	7.13	6.21	5.31	5.12
29	4.94		5.64	8.83	10.05	13.57	12.36	9.76	7.09	6.10	5.34	5.11
30	4.93		5.55	7.77	10.17	13.52	12.42	9.90	7.04	6.06	5.32	5.10
31	5.00		5.62		10.30		12.76	9.82		6.03		5.09
Ave.	5.06	4.92	5.36	6.74	9.21	12.80	12.05	10.94	8.63	6.47	5.59	5.17

**Kalam**  
**Daily Gage Height, in Feet**      **1967**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	5.10		4.82	4.98	7.50	10.92	13.94	12.36	9.41	7.13	5.86	5.28
2	5.08		4.79	4.99	7.50	11.39	13.96	12.30	9.34	7.03	5.84	5.27
3	5.08		4.80	4.97	7.57	11.43	13.43	12.50	9.41	6.92	5.84	5.25
4	5.07		4.79	5.03	7.67	11.08	13.19	12.59	9.47	6.87	5.80	5.19
5	5.05		4.81	4.94	7.65	10.85	12.88	12.59	9.53	6.84	5.80	5.21
6	5.04		4.82	4.97	7.64	11.36	13.17	12.32	9.61	6.75	5.81	5.20
7	5.03		4.89	4.97	7.68	11.77	13.40	12.12	9.72	6.65	5.71	5.18
8	5.03	4.18	4.98	5.00	8.28	12.23	13.61	11.85	9.76	6.60	5.78	5.17
9	5.00	4.29	5.03	4.99	8.80	12.30	13.39	11.41	9.80	6.56	5.67	5.16
10	4.96	4.40	5.02	5.07	8.56	12.60	13.39	11.27	9.98	6.46	5.68	5.24
11	4.95	4.56	5.02	5.17	8.47	12.83	13.37	11.17	9.99	6.48	5.48	5.27
12	4.93	4.84	5.06	5.10	8.26	13.00	13.57	11.19	10.01	6.37	5.50	5.11
13	4.93	4.85	5.00	5.16	8.29	13.04	13.60	11.33	10.21	6.36	5.48	5.23
14	4.92	4.93	4.97	5.41	8.48	13.04	13.53	11.42	10.02	6.33	5.55	5.13
15	4.91	5.08	4.98	5.69	8.69	12.55	13.57	11.56	9.66	6.31	5.64	5.04
16	4.90	4.95	4.97	5.81	9.03	11.76	13.56	11.60	9.36	6.29	5.62	5.08
17	4.91	4.93	4.88	6.32	9.40	10.88	13.62	11.73	8.93	6.24	5.50	5.10
18	4.90	4.90	4.89	6.26	9.54	10.37	13.34	11.37	8.63	6.19	5.59	5.08
19	4.89	4.92	4.90	6.39	10.01	10.41	12.84	11.05	8.40	6.13	5.57	5.13
20	4.89	4.91	4.89	6.68	10.24	11.13	12.95	10.91	8.15	6.08	5.46	5.10
21	4.90	4.90	4.91	6.81	10.26	11.79	13.14	10.81	8.13	6.07	5.52	5.14
22	4.88	4.75	4.92	6.70	10.61	12.19	13.36	10.81	8.12	6.04	5.50	5.18
23	4.89	4.83	4.92	7.09	10.26	12.48	13.56	10.82	8.16	6.11	5.49	5.17
24	4.89	4.81	4.93	7.65	9.87	12.73	13.85	10.84	8.08	6.20	5.42	5.16
25	4.89	4.79	4.93	7.93	9.35	13.03	13.61	10.84	8.06	6.06	5.42	5.16
26	4.89	4.80	4.92	8.40	8.94	13.35	13.41	10.49	8.02	6.04	5.36	5.19
27	4.86	4.83	4.91	7.88	8.83	13.35	13.31	10.14	7.79	5.99	5.35	5.19
28	4.85	4.92	4.90	8.61	8.93	13.32	12.86	9.96	7.58	5.97	5.37	5.18
29			4.90	8.26	8.99	13.46	12.49	9.72	7.33	5.96	5.32	5.15
30			4.91	7.69	9.96	13.68	12.30	9.49	7.21	5.92	5.33	5.03
31			4.97		10.46		12.31	9.42		5.88		5.02
Ave.	4.95	4.78	4.92	6.16	8.89	12.14	13.31	11.23	8.93	6.35	5.58	5.16

**Kalam**  
**Daily Gage Height, in Feet**      **1968**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	5.06	4.77	4.85	5.05	10.26	10.62	12.88	12.14	8.40	7.24	5.98	5.37
2	5.05	4.76	4.84	5.03	9.96	10.72	13.17	12.12	8.33	7.17	5.89	5.38
3	5.05	4.76	4.85	5.13	9.45	10.99	13.21	12.08	8.35	7.13	5.77	5.39
4	4.99	4.83	4.83	5.41	9.04	10.53	13.13	11.98	8.55	6.98	5.76	5.38
5	4.99	4.78	4.79	5.62	8.79	10.54	13.31	12.01	8.65	6.87	5.77	5.34
6	4.99	4.80	4.79	5.95	8.38	11.39	13.57	12.34	8.76	6.91	5.76	5.41
7	4.99	4.81	4.78	5.97	8.12	11.81	13.78	12.17	8.68	6.77	5.70	5.35
8	5.00	4.82	4.81	5.78	8.03	12.12	14.12	11.92	8.69	6.67	5.74	5.37
9	4.98	4.82	4.82	5.72	7.89	12.31	14.46	11.69	8.69	6.59	5.77	5.31
10	4.96	4.71	4.83	5.60	7.85	12.52	14.30	11.57	8.66	6.56	5.76	5.28
11	4.97	4.73	4.83	5.60	7.86	12.58	14.24	12.12	8.66	6.49	5.76	5.27
12	4.99	4.72	4.82	5.92	7.99	12.52	13.88	11.78	8.65	6.50	5.68	5.28
13	4.89	4.79	4.83	5.80	8.46	12.09	13.59	11.47	8.84	6.49	5.60	5.27
14	4.87	4.82	4.92	5.88	9.03	12.07	13.73	11.64	9.01	6.45	5.49	5.26
15	4.91	4.75	4.94	5.87	8.77	12.30	13.25	11.50	9.03	6.34	5.48	5.26
16	4.89	4.75	5.03	5.79	8.73	12.58	12.76	11.30	8.87	6.30	5.52	5.29
17	4.95	4.73	5.16	5.80	8.48	12.71	12.54	11.46	8.62	6.23	5.49	5.32
18	4.90	4.72	5.34	6.00	8.50	12.83	11.96	11.15	8.33	6.19	5.50	5.32
19	4.93	4.74	5.28	6.40	9.61	12.83	11.48	11.17	8.21	6.15	5.53	5.32
20	4.97	4.77	5.26	6.80	9.56	12.88	11.64	11.22	7.79	6.12	5.54	5.31
21	4.92	4.73	5.03	7.20	9.35	12.90	11.58	11.32	7.78	6.11	5.53	5.29
22	4.86	4.68	5.02	7.72	9.65	12.90	11.73	11.31	7.79	6.08	5.49	5.27
23	4.94	4.73	5.03	7.55	9.67	13.16	11.55	10.51	7.86	6.04	5.49	5.26
24	4.96	4.78	5.08	7.86	10.05	13.18	11.43	10.23	7.92	6.02	5.45	5.21
25	4.83	4.83	5.12	8.25	10.57	13.75	11.55	9.98	7.95	6.01	5.34	5.18
26	4.92	4.83	5.17	8.65	9.87	13.71	11.82	9.74	7.73	5.98	5.31	5.15
27	4.92	4.85	5.14	8.83	9.24	13.68	12.10	9.49	7.64	5.97	5.27	5.09
28	4.88	4.83	5.10	8.73	9.25	13.51	12.31	9.07	7.54	5.99	5.25	5.07
29	4.89	4.85	5.05	8.89	9.68	12.81	12.46	8.86	7.39	6.01	5.24	5.19
30	4.93		5.01	10.29	10.56	12.65	12.36	8.70	7.25	5.98	5.29	5.17
31	4.78		5.04		10.31		12.22	8.46		5.96		5.14
Ave.	4.94	4.78	4.98	6.64	9.13	12.37	12.78	11.05	8.29	6.40	5.57	5.27

**Kalam**  
**Daily Gage Height, in Feet**      **1969**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Set	Oct	Nov	Dec
1	5.09	4.94	4.95	6.40	6.60	11.36	12.82	11.45	9.73	7.39	6.25	5.53
2	4.95	4.98	4.96	6.29	6.68	11.57	13.18	12.00	9.72	7.20	6.21	5.53
3	4.94	5.00	4.97	6.41	6.83	11.80	13.41	12.40	9.37	7.17	6.17	5.50
4	5.02	5.01	4.97	6.59	6.89	11.59	13.54	12.66	9.14	7.11	6.11	5.49
5	4.99	5.00	4.98	6.70	7.39	10.83	13.62	13.02	9.14	7.06	6.09	5.57
6	5.02	4.97	4.98	7.01	7.87	10.99	13.66	13.25	9.13	7.05	6.12	5.49
7	5.03	4.88	4.98	7.32	8.28	11.22	13.64	13.30	8.96	6.99	6.11	5.46
8	5.05	4.92	4.99	7.57	9.18	11.55	13.80	13.36	8.89	6.95	6.08	5.46
9	5.03	4.96	5.01	7.60	9.89	11.76	13.88	13.40	8.70	6.90	6.05	5.41
10	5.00	4.97	5.04	7.90	9.69	12.05	13.80	13.49	8.56	6.80	6.03	5.38
11	4.94	4.98	5.26	8.20	9.48	11.33	13.16	13.31	8.55	7.05	5.98	5.37
12	4.97	4.98	5.43	8.02	9.50	11.65	12.76	12.96	8.58	6.80	6.02	5.34
13	5.00	4.96	5.58	7.74	9.18	12.00	13.08	12.67	8.67	6.74	6.03	5.28
14	4.94	4.94	5.71	7.77	8.95	12.09	13.36	12.77	9.11	6.72	5.76	5.27
15	5.00	4.92	5.88	8.28	8.65	12.34	13.19	12.25	9.30	6.68	5.69	5.35
16	5.00	4.96	5.92	8.08	8.61	12.39	13.28	11.93	8.80	6.64	5.75	5.35
17	5.00	4.94	6.03	7.78	8.52	12.71	13.32	11.90	8.56	6.56	5.73	5.32
18	5.02	4.86	6.16	7.58	8.68	12.95	13.33	11.85	8.38	6.49	5.67	5.32
19	5.00	4.92	6.19	7.39	8.50	12.83	13.65	11.80	8.27	6.47	5.59	5.30
20	4.98	4.82	5.91	7.52	8.51	13.10	14.13	11.39	8.11	6.47	5.70	5.13
21	4.98	4.88	5.92	7.36	8.87	13.01	14.32	10.92	7.94	6.43	5.79	5.19
22	5.00	4.90	5.97	7.18	9.29	12.63	14.35	10.47	7.80	6.38	5.58	5.19
23	4.98	4.92	5.84	7.08	9.42	12.21	14.32	10.25	7.76	6.35	5.68	5.19
24	5.00	4.94	5.91	6.99	9.37	12.26	14.50	9.99	7.64	6.28	5.65	5.18
25	4.97	4.82	6.07	7.05	9.65	12.63	14.26	9.95	7.62	6.22	5.63	5.18
26	4.97	4.96	6.58	7.08	9.98	12.86	13.89	9.80	7.53	6.21	5.64	5.21
27	4.93	4.96	6.23	6.95	10.36	12.98	13.66	9.66	7.47	6.19	5.56	5.20
28	4.88	4.95	6.09	6.84	10.59	12.87	13.27	9.59	7.41	6.16	5.60	5.16
29	4.92		6.01	6.80	10.66	12.83	12.45	9.65	7.39	6.47	5.59	5.14
30	4.92		6.05	6.71	11.22	12.43	12.00	9.84	7.39	6.40	5.57	5.20
31	4.93		6.24		11.34		11.25	9.85		6.34		5.18
Ave.	4.98	4.94	5.64	7.27	8.99	12.16	13.45	11.65	8.45	6.67	5.85	5.32

**Kalam**  
**Daily Gage Height, in Feet**      **1970**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.17	4.85	4.67	5.33	7.73	11.50	13.21	10.87	10.90	7.19	6.08	5.46
2	5.15	4.96	4.69	5.44	7.76	12.06	13.18	10.90	10.72	7.20	6.04	5.45
3	5.18	4.86	4.71	5.64	7.46	12.19	13.01	10.85	10.61	7.28	6.03	5.41
4	5.18	4.90	4.74	5.84	7.60	12.29	12.52	11.09	10.64	7.37	5.99	5.43
5	4.99	4.84	4.80	6.07	7.84	11.82	12.24	11.10	10.57	7.35	5.98	5.26
6	5.06	4.85	4.75	6.28	8.16	11.58	12.10	11.04	10.43	7.50	5.95	5.29
7	5.05	4.86	4.74	6.21	7.97	11.46	11.87	11.02	10.39	7.24	5.93	5.29
8	5.09	4.83	4.83	6.22	7.88	11.47	11.53	11.07	10.42	7.12	5.87	5.31
9	5.06	4.82	4.90	6.49	8.25	11.44	11.16	11.18	10.23	6.99	5.87	5.31
10	5.10	4.85	4.85	6.71	8.32	11.62	10.67	11.22	10.09	6.89	5.87	5.30
11	5.10	4.87	4.84	6.95	8.17	11.96	10.37	11.37	10.06	6.84	5.80	5.33
12	5.03	4.88	4.84	7.04	8.19	12.46	10.47	11.64	9.45	6.78	5.79	5.34
13	5.03	4.85	4.75	7.30	8.86	12.76	10.58	11.41	9.80	6.67	5.77	5.34
14	5.05	4.85	4.76	6.95	8.66	11.61	10.70	10.79	9.65	6.52	5.76	5.30
15	5.05	4.88	4.91	7.01	8.72	10.96	10.93	10.54	9.24	6.62	5.76	5.29
16	5.06	4.83	4.83	6.91	8.87	10.25	11.15	10.30	9.01	6.58	5.70	5.34
17	5.11	4.82	4.87	6.71	9.90	9.94	11.43	10.25	8.59	6.57	5.57	5.32
18	4.99	4.82	4.97	6.72	10.24	9.94	11.16	10.43	8.44	6.50	5.54	5.22
19	5.01	4.83	4.97	6.63	10.49	10.16	11.13	10.49	8.36	6.49	5.42	5.29
20	4.97	4.82	4.86	6.55	10.99	10.68	11.46	10.55	8.20	6.44	5.41	5.30
21	4.89	4.80	4.92	6.60	11.62	11.24	10.84	10.59	7.95	6.45	5.42	5.21
22	4.93	4.82	4.97	6.74	11.54	11.68	10.24	10.77	7.88	6.47	5.45	5.14
23	4.97	4.80	5.03	7.88	10.97	11.87	9.91	11.20	7.68	6.49	5.46	5.15
24	5.00	4.81	5.15	7.80	10.58	12.20	9.76	11.09	7.55	6.26	5.48	5.22
25	4.97	4.82	5.38	8.36	10.94	12.46	9.81	11.00	7.53	6.24	5.46	5.20
26	4.99	4.81	5.43	8.72	10.11	12.84	10.11	11.46	7.49	6.23	5.44	5.20
27	4.90	4.80	5.36	9.01	10.29	13.07	10.66	11.57	7.45	6.20	5.37	5.17
28	4.86		5.24	8.23	10.80	13.21	10.72	11.43	7.39	6.21	5.45	5.13
29	4.94		5.17	7.77	11.22	12.94	10.88	10.58	7.36	6.12	5.47	5.13
30	5.00		5.17	7.74	11.41	13.14	10.98	10.68	7.31	6.15	5.43	5.08
31	4.89		5.25		11.60		11.05	10.90		6.11		5.09
Ave.	5.02	4.84	4.95	6.93	9.46	11.76	11.16	10.95	9.05	6.68	5.69	5.27

**Kalam**  
**Daily Gage Height, in Feet**      **1971**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.08	4.87	4.88	6.38	7.82	11.43	11.25	11.45	9.54	6.60	5.83	5.29
2	5.09	4.90	4.90	6.05	7.74	11.60	11.18	11.33	9.60	6.59	5.82	5.26
3	5.07	4.89	4.88	6.26	7.83	11.63	11.35	11.24	9.58	6.47	5.79	5.28
4	5.06	4.90	4.86	7.07	8.03	11.86	10.96	11.13	9.27	6.48	5.77	5.26
5	5.05	4.87	4.83	6.71	8.27	11.81	10.33	11.15	9.12	6.42	5.74	5.24
6	5.04	4.86	4.84	6.38	7.83	11.80	9.75	11.22	9.06	6.35	5.72	5.21
7	5.06	4.84	4.87	6.65	8.02	11.95	9.65	11.33	8.69	6.35	5.71	5.21
8	5.05	4.88	4.86	6.84	8.74	12.26	9.87	11.29	8.46	6.38	5.59	5.21
9	5.05	4.91	4.81	6.91	9.11	12.73	10.30	11.04	8.32	6.34	5.57	5.22
10	5.02	4.88	4.82	6.96	8.59	12.82	10.74	10.77	8.19	6.37	5.59	5.22
11	5.03	4.79	4.82	7.07	8.84	12.55	11.15	10.43	8.04	6.34	5.57	5.22
12	5.02	4.82	4.89	6.60	8.79	12.27	11.56	10.24	7.85	6.30	5.56	5.26
13	5.01	4.86	4.89	7.04	8.60	12.20	12.08	10.07	7.64	6.27	5.56	5.25
14	5.04	4.83	4.98	6.88	9.34	12.25	11.72	9.78	7.56	6.18	5.64	5.19
15	5.06	4.88	5.11	6.99	9.17	11.99	11.35	9.69	7.46	6.14	5.57	5.23
16	5.00	4.88	5.33	7.82	9.69	11.62	11.04	9.81	7.39	6.13	5.57	5.20
17	4.92	4.98	5.46	7.37	9.95	11.21	11.01	9.71	7.37	6.15	5.53	5.19
18	4.94	4.82	5.48	7.11	10.24	11.32	10.75	9.64	7.28	6.15	5.48	5.18
19	4.97	4.96	5.47	7.04	10.66	11.09	10.84	9.62	7.27	6.10	5.46	5.13
20	4.95	4.85	5.49	7.12	11.11	11.23	10.35	9.69	7.28	6.11	5.47	5.15
21	4.96	4.88	5.46	7.12	10.95	11.36	10.00	9.60	7.14	6.06	5.48	5.19
22	4.99	4.88	5.50	7.09	10.29	11.50	9.57	9.60	7.15	6.08	5.47	5.15
23	4.92	4.83	5.46	7.19	10.24	12.03	9.68	10.04	7.17	6.10	5.45	5.15
24	4.93	4.79	5.43	7.33	10.81	11.96	9.73	10.38	7.19	5.89	5.44	5.13
25	4.97	4.90	5.44	7.74	10.99	11.45	9.93	10.60	7.24	5.87	5.42	5.11
26	4.96	4.79	5.68	8.24	11.08	11.38	10.71	10.52	7.10	5.88	5.41	5.18
27	4.90	4.86	5.60	8.49	11.32	11.29	11.26	10.33	7.00	5.88	5.35	5.11
28	4.88	4.89	5.50	8.86	11.47	11.22	11.75	10.10	6.95	5.88	5.31	5.12
29	4.90		5.67	8.18	11.40	11.31	11.24	9.93	6.83	5.84	5.32	5.12
30	4.83		6.19	8.13	11.54	11.29	11.49	9.84	6.72	5.83	5.29	5.09
31	4.82		6.58		11.83		11.27	9.76		5.86		5.15
Ave.	4.99	4.87	5.26	7.19	9.69	11.75	10.77	10.37	7.85	6.17	5.55	5.19

**Kalam**  
**Daily Gage Height, in Feet**

Date	<b>1972</b>											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.18	5.08	5.02	5.98	7.83	11.72	12.82	11.04	10.12	7.44	6.32	5.74
2	5.07	5.03	5.00	6.08	7.78	12.03	13.37	10.96	9.97	7.36	6.31	5.75
3	5.08	5.01	5.02	6.22	7.82	11.57	13.77	11.44	9.88	7.29	6.28	5.76
4	5.08	5.01	5.00	6.18	8.08	12.08	14.02	11.91	10.00	7.24	6.27	5.34
5	5.02	5.00	5.07	6.13	8.49	11.70	13.79	12.19	9.92	7.21	6.26	5.73
6	5.00	4.93	5.08	5.98	8.54	11.77	13.43	12.66	9.83	7.21	6.23	5.70
7	5.00	4.89	5.10	6.00	8.39	12.14	12.72	13.54	9.83	7.09	6.22	5.65
8	5.01	4.91	5.12	6.08	8.42	12.20	12.70	12.67	9.94	7.03	6.22	5.73
9	5.04	4.93	5.03	6.06	8.47	12.20	13.12	11.90	9.83	7.01	6.19	5.68
10	5.01	4.91	5.02	6.09	8.55	12.12	13.57	11.39	9.58	7.03	6.16	5.67
11	5.17	4.92	5.02	6.13	8.74	12.69	13.64	10.92	9.54	6.93	6.16	5.62
12	5.01	4.89	4.92	6.16	9.10	12.77	13.47	10.93	9.26	6.90	6.13	5.62
13	5.08	4.89	4.88	6.46	9.81	12.89	13.46	10.97	9.17	6.88	6.07	5.53
14	5.07	4.87	4.96	6.78	10.08	12.89	13.31	10.93	9.15	6.80	6.00	5.58
15	5.00	4.87	5.14	7.28	10.12	12.78	13.36	10.58	9.16	6.80	5.98	5.61
16	5.07	4.86	5.12	7.30	9.41	13.18	13.40	10.60	9.11	6.78	5.96	5.71
17	5.06	4.81	5.12	7.19	9.30	13.52	13.44	10.86	9.09	6.80	5.96	5.66
18	5.04	4.80	5.13	7.26	9.94	13.85	13.33	10.76	8.83	6.79	5.94	5.65
19	5.08	4.78	5.06	7.32	10.37	13.83	12.38	10.66	8.75	6.77	5.91	5.64
20	5.08	4.78	5.08	7.23	10.54	13.85	11.84	10.91	8.68	6.63	5.89	5.57
21	5.07	4.76	5.09	7.04	10.91	14.02	11.57	10.62	8.37	6.65	5.94	5.55
22	5.02	4.76	5.12	7.12	11.52	14.00	11.74	10.38	8.06	6.60	5.98	5.57
23	5.11	4.73	5.16	7.36	11.17	14.15	11.98	10.32	7.89	6.57	5.99	5.55
24	5.15	4.72	5.22	7.50	11.17	14.25	11.82	10.17	7.85	6.54	5.91	5.58
25	5.13	4.69	5.44	7.69	10.32	14.32	12.05	10.01	7.81	6.48	5.84	5.59
26	5.11	4.68	5.53	7.97	9.87	14.49	12.06	9.72	7.74	6.46	5.81	5.59
27	5.10	4.96	5.65	8.24	10.01	14.31	11.89	9.48	7.66	6.39	5.80	5.61
28	5.09	4.98	5.72	9.16	9.87	13.96	11.98	9.52	7.63	6.39	5.74	5.69
29	5.09	5.00	5.78	8.14	10.07	13.20	12.20	9.64	7.60	6.38	5.74	5.57
30	5.06		5.83	8.01	10.70	13.26	11.83	9.90	7.54	6.37	5.75	5.58
31	5.08		5.88		11.19		11.30	10.51		6.35		5.57
Ave.	5.07	4.88	5.20	6.94	9.57	13.06	12.75	10.91	8.93	6.81	6.03	5.63

**Kalam**  
**Daily Gage Height, in Feet**

Date	<b>1973</b>											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
Ave.												

**Kalam**  
**Daily Gage Height, in Feet**      **1974**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.43	5.13	5.20	6.85	8.36	10.80	11.74	10.75	8.99	7.25	6.08	5.68
2	5.40	5.15	5.20	6.87	8.60	10.74	11.97	11.50	8.83	7.23	6.06	5.67
3	5.42	5.16	5.19	6.93	8.43	11.03	11.97	11.64	8.58	1.22	6.06	5.65
4	5.41	5.18	5.21	6.94	8.06	11.19	11.00	11.76	8.43	6.90	6.05	5.64
5	5.40	5.18	5.22	6.44	8.06	11.51	10.33	11.45	8.27	6.87	6.03	5.65
6	5.38	5.19	5.21	6.54	8.21	10.57	10.42	11.36	8.20	6.82	6.00	5.63
7	5.39	5.18	5.20	6.49	8.73	10.00	10.95	10.87	8.18	6.82	5.98	5.63
8	5.38	5.16	5.22	6.64	9.32	10.32	11.71	10.30	8.18	6.74	5.96	5.63
9	5.36	5.15	5.21	6.53	9.45	10.74	11.71	9.88	8.19	6.70	5.96	5.59
10	5.35	5.16	5.25	6.54	8.92	11.24	11.99	9.86	8.17	6.66	5.96	5.52
11	5.35	5.17	5.28	6.55	8.87	10.83	11.90	9.93	8.11	6.65	5.94	5.55
12	5.37	5.15	5.27	6.57	9.13	10.62	11.89	10.16	8.01	6.63	5.89	5.47
13	5.32	5.14	5.26	6.84	8.77	11.68	11.85	10.15	7.82	6.63	5.88	5.47
14	5.30	5.15	5.31	6.91	8.60	12.25	12.08	10.22	7.68	6.62	5.87	5.47
15	5.29	5.16	5.35	6.97	8.46	12.34	12.36	10.19	7.60	6.57	5.86	5.59
16	5.25	5.14	5.37	7.14	8.58	12.23	12.57	10.24	7.60	6.59	5.83	5.47
17	5.27	5.16	5.39	7.25	8.62	12.06	12.29	10.17	7.54		5.77	5.45
18	5.26	5.15	5.47	7.49	8.71	12.18	12.19	10.13	7.44		5.73	5.42
19	5.24	5.15	5.55	7.61	8.73	12.42	12.58	9.81	7.52	6.44	5.72	5.43
20	5.21	5.16	5.69	8.05	8.52	12.22	12.37	9.76	7.48	6.45	5.72	5.41
21	5.18	5.16	5.82	8.34	8.63	11.95	11.95	9.77	7.49	6.43	5.71	5.45
22	5.17	5.17	6.34	8.34	8.70	11.97	11.93	9.76	7.47	6.35	5.69	5.46
23	5.22	5.17	6.44	7.89	9.22	12.04	11.88	7.63	7.47	6.32	5.69	5.40
24	5.24	5.16	6.52	8.04	9.46	10.88	11.72	9.61	7.48	6.27	5.69	5.38
25	5.26	5.17	6.49	8.50	9.93	10.03	11.53	9.57	7.43	6.27	5.67	
26	5.20	5.17	6.57	9.23	10.24	9.71	11.05	9.56	7.41	6.27	5.66	
27	5.20	5.18	6.64	8.92	9.38	9.70	10.62	9.51	7.39	6.17	5.66	5.27
28	5.19	5.18	6.59	8.95	9.13	9.97	10.55	9.38	7.42	6.17	5.65	5.29
29	5.17		6.63	8.84	9.60	10.58	10.75	9.34	7.31	6.16	5.64	5.27
30	5.18		6.65	8.88	10.14	11.04	10.82	9.33	7.31	6.15	5.68	5.26
31	5.15		6.83		10.28		10.62	9.32		6.13		5.25
Ave.	5.29	5.16	5.73	7.47	8.96	11.16	11.59	10.09	7.83	6.36	5.84	5.48

**Kalam**  
**Daily Gage Height, in Feet**      **1975**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.26	5.29	5.24	5.78	8.74	12.72	12.56	11.57	10.11	7.70	7.20	6.57
2	5.25	5.30	5.25	6.18	8.76	12.55	12.55	11.78	10.06	7.76	7.19	6.54
3	5.25	5.31	5.25	6.38	8.84	12.34	12.74	12.01	10.07	7.73	7.17	6.53
4	5.24	5.32	5.23	6.49	8.87	12.19	12.79	12.03	10.00	7.70	7.15	6.53
5	5.25	5.32	5.27	6.59	8.80	12.28	12.46	12.00	10.01	7.69	7.15	6.49
6	5.28	5.33	5.29	6.66	8.14	12.59	11.98	12.01	9.92	7.65	7.16	6.49
7	5.28	5.34	5.19	6.69	8.00	12.61	11.96	11.64	9.78	7.65	7.08	6.51
8	5.30	5.35	5.24	6.68	8.12	12.22	12.39	11.49	9.66	7.60	7.00	6.53
9	5.30	5.32	5.25	6.67	8.24	12.51	12.59	11.44	9.54	7.59	6.88	6.52
10	5.32	5.33	5.24	6.75	8.26	12.64	12.65	11.42	9.33	7.59	6.86	6.52
11	5.31	5.32	5.23	6.84	8.86	12.40	12.80	11.56	9.20	7.58	6.85	6.52
12	5.32	5.32	5.23	6.79	9.46	12.38	12.89	11.64	9.13	7.57	6.80	6.48
13	5.33	5.32	5.20	6.69	9.96	12.11	13.44	12.09	9.24	7.55	6.79	6.46
14	5.39	5.29	5.21	6.58	10.16	12.67	13.59	12.69	9.30	7.52	6.76	6.45
15	5.44	5.30	5.22	6.65	11.12	13.41	13.54	12.71	9.17	7.51	6.75	6.44
16	5.41	5.29	5.23	6.70	14.42	13.92	13.69	12.56	9.37	7.52	6.75	6.43
17	5.39	5.28	5.24	7.28	14.34	13.65	13.49	12.86	9.27	7.51	6.73	6.40
18	5.38	5.32	5.23	7.75	12.82	13.69	13.05	13.29	9.21	7.54	6.72	6.40
19	5.38	5.31	5.32	8.05	11.21	13.60	12.96	14.18	9.29	7.51	6.68	6.38
20	5.36	5.32	5.39	7.68	11.25	13.22	12.77	14.14	9.26	7.50	6.67	6.38
21	5.34	5.32	5.38	7.90	11.04	12.69	12.86	13.83	9.23	7.48	6.61	6.39
22	5.35	5.19	5.35	8.08	11.22	12.26	12.69	12.60	9.19	7.44	6.60	6.37
23	5.30	5.19	5.34	7.97	11.38	11.81	12.31	11.43	9.03	7.43	6.64	6.37
24	5.28	5.19	5.34	7.99	11.45	11.83	11.95	11.16	8.78	7.37	6.65	6.43
25	5.28	5.21	5.38	7.95	11.54	11.59	11.76	11.16	8.42	7.35	6.64	6.42
26	5.30	5.23	5.46	7.95	11.64	12.19	11.81	11.16	8.29	7.31	6.62	6.39
27	5.28	5.25	5.57	8.40	12.11	12.94	12.01	10.89	8.22	7.28	6.58	6.37
28	5.32	5.24	5.59	8.37	12.78	12.95	11.98	10.73	8.16	7.26	6.57	6.37
29	5.33		5.63	8.47	12.36	13.03	11.83	10.63	7.94	7.29	6.57	6.37
30	5.37		5.67	8.65	12.54	12.92	11.24	10.51	7.63	7.22	6.56	6.38
31	5.35		5.59		12.66		11.25	10.22		7.20		6.37
Ave.	5.32	5.29	5.33	7.25	10.62	12.66	12.53	11.92	9.19	7.50	6.81	6.45

**Kalam**  
**Daily Gage Height, in Feet**

**1976**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	6.37	6.12	6.09	6.24	7.89	12.15	12.28	11.66	9.90	7.75	6.74	6.24
2	6.37	6.11	6.10	6.24	7.97	12.16	12.43	11.60	9.86	7.75	6.68	
3	6.38	6.11	6.09	6.26	7.98	12.18	12.48	11.55	9.70	7.72	6.66	
4	6.36	6.10	6.08	6.27	8.28	12.22	12.62	11.36	9.70	7.73	6.64	6.23
5	6.35	6.10	6.10	6.29	8.69	12.21	12.74	11.27	9.59	7.72	6.63	6.22
6	6.36	6.10	6.10	6.29	8.78	12.24	12.76	11.27	9.46	7.69	6.60	6.22
7	6.22	6.10	6.11	6.27	8.84	12.33	13.05	11.14	9.39	7.68	6.56	6.23
8	6.23	6.08	6.12	6.30	8.87	12.35	13.62	11.19	9.34	7.61	6.60	6.23
9	6.27	6.09	6.13	6.31	9.39	12.37	13.78	10.90	9.07	7.53	6.57	6.22
10	6.28	6.09	6.13	6.31	9.89	12.41	13.69	10.82	9.01	7.44	6.58	6.19
11	6.27	6.09	6.15	6.47	10.29	12.45	13.43	10.74	8.99	7.31	6.51	6.19
12	6.27	6.09	6.15	6.59	10.22	12.67	13.14	10.78	9.08	7.21	6.54	6.17
13	6.27	6.06	6.14	6.62	10.06	12.67	13.22	10.96	8.92	7.19	6.51	6.20
14	6.21	6.05	6.15	6.62	10.20	12.72	12.66	11.23	8.80	7.17	6.51	6.17
15	6.19	6.04	6.15	6.58	10.19	12.72	13.36	11.29	8.72	7.15	6.51	6.16
16	6.17	6.04	6.15	6.57	10.28	12.50	13.51	11.38	8.67	7.15	6.49	6.15
17	6.16	6.04	6.20	6.57	10.49	12.43	13.52	11.52	8.58	7.09	6.47	6.15
18	6.17	6.03	6.20	6.85	11.19	12.29	13.53	11.41	8.48	7.06	6.47	6.13
19	6.17	6.02	6.17	6.74	11.16	12.27	13.52	11.00	8.36	7.04	6.44	6.13
20	6.16	6.01	6.19	6.79	11.23	12.23	13.17	10.74	8.29	7.01	6.44	6.13
21	6.16	6.02	6.18	6.83	11.26	11.71	13.49	10.48	8.23	6.99	6.42	6.15
22	6.14	6.12	6.20	6.95	11.30	11.31	12.94	10.24	8.20	6.97	6.38	6.12
23	6.15	6.09	6.18	6.98	11.58	11.25	12.19	10.14	8.19	6.93	6.30	6.04
24	6.14	6.10	6.16	7.18	11.69	11.32	12.85	10.14	8.19	6.92	6.31	6.03
25	6.14	6.09	6.19	7.33	11.72	11.55	12.65	10.12	8.09	6.92	6.31	6.02
26	6.14	6.05	6.20	7.58	11.78	11.17	12.58	10.15	8.10	6.88	6.28	6.00
27	6.13	6.06	6.23	7.77	11.80	11.64	12.36	10.04	8.08	6.88	6.27	6.00
28	6.13	6.07	6.23	7.96	11.94	12.11	12.14	9.95	8.07	6.85	6.27	5.98
29	6.13	6.08	6.22	8.19	12.17	12.08	11.92	10.03	8.09	6.81	6.25	5.98
30	6.12		6.21	8.48	12.22	12.13	11.86	9.99	7.92	6.76	6.25	5.98
31	6.13		6.23		12.24		11.59	9.98		6.73		5.97
Ave.	6.22	6.07	6.16	6.81	10.37	12.13	12.87	10.81	8.77	7.22	6.47	6.13

**Kalam**  
**Daily Gage Height, in Feet**

**1977**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.96	6.00	5.73	7.22	8.39	10.36	12.73	10.86	9.57	7.70	6.51	6.05
2	5.96	5.88	5.72	7.37	8.38	10.68	12.85	10.97	9.48	7.54	6.49	6.03
3	5.91	6.00	5.76	7.48	8.15	10.82	12.74	11.01	9.45	7.47	6.65	6.07
4	5.95	6.00	5.78	7.72	7.90	11.04	12.48	11.24	9.41	7.43	6.55	6.00
5	5.94	5.89	5.80	7.88	7.75	10.91	12.48	11.37	9.28	7.42	6.42	5.99
6	5.94	5.78	5.88	7.58	7.77	10.94	12.44	11.01	9.26	7.31	6.46	5.96
7	5.94	5.86	5.89	7.46	7.95	11.20	12.56	10.66	8.89	7.22	6.46	5.95
8	5.94	5.90	5.93	7.46	8.25	11.34	12.73	10.61	8.70	7.22	6.51	5.95
9	5.93	5.91	5.92	7.51	8.32	11.11	12.39	10.74	8.59	7.17	6.45	6.05
10	5.94	5.96	5.97	7.50	8.63	11.16	12.19	10.85	8.46	7.17	6.38	6.04
11	5.94	5.94	5.99	7.44	9.13	11.21	12.10	10.75	8.32	7.08	6.37	6.07
12	5.94	5.91	6.00	7.36	9.17	10.79	12.51	10.70	8.18	7.04	6.38	5.97
13	5.95	5.89	6.14	7.41	8.87	10.60	12.26	10.64	8.09	7.03	6.31	5.93
14	5.95	5.85	6.14	7.36	8.64	10.62	12.20	10.61	8.07	6.94	6.30	5.96
15	5.94	5.82	6.27	7.34	8.73	10.66	12.16	10.61	8.10	6.92	6.30	5.95
16	5.93	5.83	6.11	7.59	8.78	11.13	12.12	10.60	8.13	6.93	6.27	5.96
17	5.93	5.85	6.09	7.98	8.72	11.30	11.87	10.54	8.26	6.83	6.27	5.97
18	5.93	5.85	6.11	7.82	9.34	11.50	11.37	10.28	8.36	6.79	6.26	6.00
19	5.92	5.86	6.00	7.74	9.34	11.56	11.52	10.39	8.42	6.73	6.25	5.99
20	5.92	5.86	6.10	7.59	9.16	11.80	11.03	10.28	8.35	6.69	6.28	5.91
21	5.92	5.81	6.25	7.75	9.44	12.13	11.12	10.36	8.24	6.68	6.25	5.88
22	5.92	5.80	6.41	8.06	9.61	12.53	11.35	10.22	8.21	6.66	6.17	5.90
23	5.90	5.84	6.57	7.75	10.04	12.76	11.38	10.15	8.31	6.64	6.14	5.88
24	5.88	5.83	6.54	7.67	10.42	13.34	11.48	10.23	7.94	7.04	6.11	5.97
25	5.88	5.81	6.70	7.75	10.56	13.04	11.38	10.04	7.73	6.75	6.09	5.92
26	5.86	5.80	6.80	7.89	10.46	12.88	11.39	9.89	7.83	6.65	6.08	5.90
27	5.86	5.78	6.71	8.57	10.57	12.78	10.96	9.64	7.83	6.59	6.08	5.86
28	5.85	5.79	6.72	8.42	10.38	12.81	10.87	9.67	7.81	6.60	6.05	5.81
29	5.85		6.80	8.29	10.56	12.87	10.88	9.62	7.66	6.58	6.12	5.81
30	5.86		6.85	8.21	10.41	12.81	10.92	9.52	7.70	6.54	6.13	5.87
31	5.86		6.95		10.41		10.78	9.54		6.53		5.86
Ave.	5.92	5.87	6.21	7.71	9.17	11.62	11.85	10.44	8.42	6.96	6.30	7.71

**Kalam**  
**Daily Gage Height, In Feet**      **1978**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.88	5.68	5.71	5.88	8.54	10.89	14.15	11.55	9.11	8.05	6.58	6.15
2	5.77	5.66	5.66	5.93	8.77	11.27	14.23	11.54	9.12	7.99	6.56	6.11
3	5.80	5.67	5.65	5.92	9.04	11.91	14.11	11.65	9.14	7.98	6.66	6.07
4	5.80	5.69	5.66	5.99	9.46	12.48	13.94	11.63	8.89	7.74	6.59	6.11
5	5.79	5.67	5.65	6.03	9.95	12.75	13.58	11.38	8.86	7.64	6.57	6.12
6	5.85	5.68	5.66	6.09	9.93	12.82	14.92	11.33	8.83	7.53	6.68	6.13
7	5.83	5.66	5.65	6.29	9.72	12.99	14.65	11.43	8.85	7.42	6.51	6.12
8	5.75	5.61	5.64	6.49	9.76	12.97	14.39	11.41	8.97	7.42	6.57	6.10
9	5.73	5.62	5.68	6.70	9.93	12.99	13.71	11.43	9.15	7.31	6.42	6.09
10	5.74	5.64	5.46	6.86	10.23	12.14	12.51	11.47	9.17	7.24	6.46	6.07
11	5.81	5.67	5.67	7.12	9.92	12.24	13.27	11.36	8.94	7.18		6.07
12	5.79	5.66	5.65	7.36	9.82	12.46	12.33	11.13	8.95	7.14		6.05
13	5.81	5.65	5.72	7.67	9.91	12.76	12.19	10.63	9.03	7.09	6.44	6.04
14	5.82	5.62	5.74	8.02	10.35	12.36	11.79	10.53	9.15	7.06	6.42	6.05
15	5.85	5.46	5.75	8.33	10.35	12.22	12.72	10.46	9.16	7.04	6.43	6.05
16	5.82	5.65	5.88	8.12	10.55	11.88	11.98	10.54	8.73	6.99	6.34	6.05
17	5.81	5.62	5.35	8.71	10.77	11.56	11.95	10.58	8.57	6.92	6.36	6.03
18	5.73	5.61	5.57	8.44	11.12	11.91	11.99	10.84	8.41	6.94	6.35	6.02
19	5.68	5.63	5.65	8.10	10.28	11.93	11.98	10.72	8.32	6.92	6.20	6.01
20	5.70	5.63	5.62	8.88	10.66	12.34	11.94	10.76	8.37	6.94	6.28	5.91
21	5.69	5.62	5.77	7.98	10.75	12.68	11.91	10.68	8.35	6.88	6.27	5.96
22	5.72	5.59	5.75	7.72	11.10	12.96	11.75	10.54	8.41	6.84	6.30	5.88
23	5.77	5.65	5.81	7.70	11.19	13.05	11.81	10.37	8.43	6.79	6.17	5.97
24	5.76	5.62	5.80	7.84	11.54	13.16	11.61	10.22	8.38	6.77	6.21	5.89
25	5.76	5.64	5.76	7.98	11.46	13.37	11.45	10.09	8.34	6.75	6.12	5.89
26	5.76	5.65	5.75	8.17	11.25	13.57	11.94	10.19	8.37	6.72	6.12	5.84
27	5.76	5.70	5.87	8.33	10.93	13.64	11.53	10.22	8.47	6.67	6.12	5.89
28	5.73	5.66	5.77	8.32	11.38	13.43	11.29	10.16	8.41	6.77	6.12	5.91
29	5.71		5.76	8.36	11.95	14.04	11.21	9.88	8.29	6.67	6.12	5.91
30	5.69		5.84	8.25	11.79	13.79	11.24	9.52	8.15	6.64	6.19	5.90
31	5.72		5.85		11.29		11.28	9.23		6.59		5.89
Ave.	5.77	5.64	5.70	7.45	10.44	12.62	12.56	10.76	8.71	7.12	6.36	6.01

**Kalam**  
**Daily Gage Height, in Feet**      **1979**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.85	5.63	5.61	6.07	9.91	8.69	13.53	11.39	8.71	7.00		5.81
2	5.84	5.62	5.66	6.17	9.47	8.69	13.35	11.70	8.76	6.93		5.63
3	5.81	5.61	5.65	6.09	9.69	8.80	13.22	11.79	8.78	6.91	6.08	5.62
4	5.79	5.63	5.71	6.10	9.76	9.18	13.24	12.08	8.56	6.86	6.07	5.54
5	5.80	5.65	5.52	6.19	9.74	9.88	13.29	11.50	8.52	6.82	6.06	5.61
6	5.81	5.64	5.55	6.38	10.01	10.63	13.43	11.96	8.58	6.79	6.05	5.54
7	5.82	5.63	5.52	6.68	9.65	11.19	13.56	11.74	8.68	6.75	6.11	5.48
8	5.82	5.56	5.64	6.79	9.73	11.39	13.85	11.58	8.75	6.75	6.15	5.51
9	5.83	5.58	5.42	6.89	9.86	11.87	13.88	11.37	8.70	6.75	6.02	5.57
10	5.76	5.63	5.43	7.04	9.76	12.15	13.82	11.22	8.75	6.76	5.99	5.56
11	5.75	5.61	5.56	7.21	9.59	12.41	13.92	10.94	8.72	6.76	5.92	5.48
12	5.77	5.61	5.72	7.36	9.58	12.27	13.94	10.72	8.62	6.74	5.90	5.48
13	5.86	5.66	5.74	7.61	9.33	11.63	14.00	10.47	8.56	6.64	5.86	5.47
14	5.86	5.61	5.83	7.67	9.13	11.06	13.76	10.30	8.49	6.58	5.87	5.46
15	5.81	5.61	5.71	7.45	9.12	11.27	13.47	10.59	8.53	6.56	5.88	5.48
16	5.80	5.60	5.69	7.49	8.84	11.67	13.09	11.36	8.32	6.53	5.83	5.42
17	5.64	5.67	5.66	7.71	8.85	12.17	12.77	10.87	8.06	6.46	5.84	5.44
18	5.73	5.74	5.64	8.66	9.08	12.47	12.65	10.72	7.93	6.45	5.76	5.49
19	5.76	5.62	5.66	8.74	9.46	12.74	12.40	10.88	7.78	6.44	5.72	5.45
20	5.70	5.54	5.68	8.18	9.50	12.76	12.53	10.90	7.63	6.43	5.73	5.37
21	5.65	5.56	5.74	7.98	9.24	12.88	12.71	10.53	7.56	6.41	5.67	5.36
22	5.66	5.64	5.78	8.10	8.95	12.93	12.57	10.13	7.58	6.37	5.65	5.46
23	5.70	5.63	5.79	8.57	8.95	13.31	12.35	9.90	7.59	6.33	5.63	5.45
24	5.68	5.75	5.81	8.97	9.50	13.26	12.08	9.84	7.68	6.27	5.67	5.45
25	5.72	5.69	5.86	9.11	9.66	13.27	11.58	9.55	7.41	6.26	5.65	5.40
26	5.71	5.62	5.85	9.41	9.24	13.46	11.41	9.26	7.31	6.24	5.68	5.45
27	5.70	5.59	5.88	9.47	9.12	13.31	11.32	8.99	7.24	6.23	5.66	5.39
28	5.72	5.62	6.01	10.04	8.97	13.45	10.96	8.98	7.20	6.24	5.60	5.40
29	5.66		6.02	10.08	8.73	13.88	10.72	8.85	7.11	6.18	5.62	5.40
30	5.71		6.26	10.41	8.60	13.75	10.89	8.70	7.07	6.16	5.62	5.40
31	5.61		6.14		8.65		11.09	8.66		6.15		5.37
Ave.	5.75	5.63	5.73	7.82	9.34	11.88	12.75	10.56	8.11	6.54	5.83	5.48



**Kalam**  
**Daily Gage Height, in Feet**

**1980**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.38	5.24	5.16	5.67	8.94	11.75	11.92	11.07	9.34	7.16	6.27	5.85
2	5.37	5.25	5.19	5.70	9.14	11.61	12.05	10.88	9.18	7.12	6.22	5.79
3	5.34	5.26	5.18	5.78	9.34	11.48	12.44	10.95	8.82	7.09	6.21	5.75
4	5.26	5.26	5.16	5.84	9.63	11.30	12.54	10.85	8.58	7.08	6.16	5.72
5	5.30	5.18	5.11	5.88	9.93	11.26	12.62	10.85	8.39	7.06	6.18	5.68
6	5.27	5.14	4.90	5.96	10.12	11.78	12.55	10.88	8.28	7.05	6.14	5.63
7	5.26	5.14	4.84	6.11	10.21	12.03	12.38	10.82	8.25	7.05	6.05	5.71
8	5.35	5.16	5.10	6.36	9.95	12.31	12.26	10.90	8.32	7.09	6.01	5.73
9	5.32	5.14	5.14	6.54	9.71	12.41	12.35	10.68	8.36	7.05	6.04	5.68
10	5.28	5.12	5.13	6.72	9.46	12.24	12.06	10.71	8.78	7.06	5.99	5.64
11	5.28	5.11	5.11	6.79	9.66	12.37	12.21	10.80	9.28	7.08	5.95	5.66
12	5.25	5.17	5.18	6.60	9.67	12.59	12.20	10.73	9.00	7.05	6.02	5.69
13	5.23	5.23	5.20	6.72	9.51	12.18	12.02	10.25	8.52	6.95	6.05	5.65
14	5.28	5.16	5.15	6.97	9.60	11.68	11.97	9.86	8.46	6.87	6.01	5.61
15	5.27	5.16	5.16	7.13	9.51	11.47	11.95	9.79	8.05	6.77	6.03	5.56
16	5.30	5.16	5.17	7.38	9.62	11.72	11.84	9.70	7.93	6.71	5.98	5.52
17	5.26	5.21	5.10	7.48	9.73	12.02	11.73	9.42	7.81	6.67	5.95	5.57
18	5.31	5.19	5.28	7.73	9.78	12.35	12.05	9.40	7.72	6.68	5.96	5.59
19	5.28	5.18	5.26	8.23	9.93	12.49	12.01	9.09	7.38	6.63	6.05	5.64
20	5.24	5.16	5.28	8.11	9.66	12.59	11.60	8.85	7.53	6.57	6.02	5.72
21	5.30	5.17	5.23	8.11	9.69	12.97	11.38	8.75	7.49	6.58	5.99	5.67
22	5.23	5.16	5.36	7.85	9.73	13.34	11.28	8.29	7.43	6.51	5.94	5.61
23	5.23	5.12	5.50	7.70	9.52	13.39	11.32	9.09	7.42	6.42	5.90	5.63
24	5.26	5.06	5.52	7.76	9.69	13.41	11.32	9.11	7.46	6.40	5.85	5.59
25	5.32	5.14	5.40	8.12	9.96	13.54	11.28	9.20	7.51	6.31	5.82	5.56
26	5.19	5.21	5.40	8.49	10.45	13.25	11.24	9.27	7.45	6.36	5.87	5.57
27	5.28	5.31	5.41	8.63	10.93	12.91	11.20	9.29	7.42	6.28	5.82	5.52
28	5.28	5.18	5.44	8.68	11.39	12.66	11.18	9.32	7.39	6.21	5.79	5.58
29	5.20	5.14	5.42	8.81	11.66	12.40	11.01	9.38	7.30	6.29	5.81	5.54
30	5.22		5.53	8.88	11.98	12.21	10.83	9.43	7.17	6.23	5.81	5.56
31	5.25		5.60		12.05		10.71	9.47		6.31		5.52
Ave.	5.28	5.18	5.25	7.22	10.00	12.32	11.79	9.91	8.07	6.73	6.00	5.64

**Kalam**  
**Daily Gage Height, in Feet**

**1981**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.50	5.47	5.39	6.20	9.93	11.32	13.71	10.95	8.61	7.37	6.23	5.80
2	5.52	5.44	5.32	6.27	10.03	10.98	13.23	10.76	8.68	7.30	6.21	5.66
3	5.49	5.40	5.33	6.42	10.40	10.94	13.01	10.66	8.70	7.26	6.22	5.82.00
4	5.45	5.50	5.37	6.59	10.52	10.98	12.97	10.83	8.68	7.19	6.21	5.78
5	5.46	5.45	5.44	6.32	10.33	11.34	12.39	11.04	8.52	6.46	6.17	5.67
6	5.39	5.42	5.45	6.33	10.10	11.89	12.13	11.18	8.30	6.89	6.15	5.64
7	5.39	5.39	5.41	6.42	9.89	12.12	12.37	11.13	8.13	6.85	6.14	5.66
8	5.37	5.34	5.44	6.50	9.97	11.55	12.32	11.18	7.93	6.83	6.14	5.65
9	5.41	5.30	5.47	6.71	10.14	11.29	12.01	11.34	7.89	6.77	6.12	5.77
10	5.46	5.25	5.42	7.11	9.82	10.70	11.81	11.44	7.81	6.72	6.12	5.74
11	5.40	5.21	5.43	7.47	10.00	10.16	11.74	11.15	7.73	6.69	6.14	5.69
12	5.37	5.32	5.42	7.83	10.53	9.92	12.29	10.95	7.63	6.70	6.12	5.59
13	5.43	5.39	5.42	7.92	11.15	9.79	12.62	10.84	7.57	6.69	6.10	5.58
14	5.42	5.34	5.40	8.13	11.47	12.00	13.13	10.71	7.60	6.71	6.07	5.59
15	5.44	5.31	5.40	8.75	11.00	10.21	13.42	10.41	7.63	6.74	6.04	5.60
16	5.42	5.35	5.45	8.38	10.81	10.50	13.38	10.10	7.68	6.94	6.02	5.61
17	5.44	5.34	5.44	8.52	11.13	10.93	13.24	9.93	7.72	6.86	6.00	5.60
18	5.44	5.36	5.43	8.71	11.57	10.68	12.87	9.74	7.76	6.70	5.97	5.60
19	5.43	5.40	5.48	9.17	11.70	11.79	12.60	9.83	7.86	6.72	5.95	5.58
20	5.41	5.43	5.47	9.47	11.29	12.11	12.40	9.97	7.86	6.64	5.93	5.59
21	5.42	5.38	5.51	9.61	10.79	12.29	17.30	10.00	7.83	6.57	5.91	5.59
22	5.38	5.42	5.52	9.14	10.99	12.05	12.20	9.83	7.90	6.54	5.92	5.59
23	5.40	5.45	5.54	8.88	11.53	12.11	12.58	9.60	8.00	6.54	5.33	5.55
24	5.46	5.46	5.69	8.72	11.96	12.61	12.74	9.38	8.11	6.53	6.04	5.55
25	5.45	5.45	5.78	8.84	12.25	12.72	12.26	9.24	8.10	6.47	5.94	5.59
26	5.39	5.40	5.84	9.10	12.37	12.95	12.10	9.39	7.86	6.44	5.85	5.58
27	5.44	5.45	5.90	9.33	12.57	13.22	11.34	9.35	7.63	6.43	5.81	5.59
28	5.41	5.41	5.94	9.63	12.65	13.66	11.78	9.19	7.51	6.39	5.78	5.60
29	5.37		6.21	9.96	12.54	13.79	11.92	9.05	7.41	6.35	5.79	5.58
30	5.41		6.23	10.09	12.41	13.93	11.37	8.87	7.31	6.33	5.78	5.59
31	5.45		6.22		11.60		11.23	8.75		6.27		5.60
Ave.	5.43	5.39	5.57	8.08	11.08	11.68	12.60	10.22	7.93	6.71	6.01	5.64

<b>Kalam</b>												
<b>Daily Gage Height, in Feet</b>												
	<b>1982</b>											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.63	5.36	5.20	5.72	7.90	9.30	10.70	11.89	8.25	6.72	6.12	5.77
2	5.61	5.32	5.22	5.76	8.11	9.10	10.26	11.95	8.27	6.84	6.11	5.77
3	5.62	5.35	5.24	5.85	8.44	8.99	10.08	11.77	8.28	6.75	6.12	5.77
4	5.58	5.32	5.22	5.76	8.93	9.39	10.07	11.76	8.30	6.70	6.17	5.78
5	5.55	5.22	5.25	5.75	9.17	9.82	10.23	11.73	8.28	6.71	6.14	5.73
6	5.44	5.27	5.21	5.76	9.39	10.36	10.05	11.87	8.33	6.73	6.05	5.68
7	5.48	5.36	5.21	5.71	9.89	10.77	9.89	11.66	8.38	6.71	6.07	5.68
8	5.48	5.30	5.19	5.85	10.03	11.16	9.73	11.79	2.14	6.67	6.07	5.70
9	5.46	5.25	5.21	6.08	10.01	11.30	10.10	11.51	7.97	6.63	6.06	5.73
10	5.37	5.32	5.22	6.32	10.32	11.30	9.66	11.50	7.75	6.62	6.05	5.73
11	5.38	5.31	5.20	6.45	9.99	11.58	10.19	11.41	7.86	6.58	6.02	5.70
12	5.36	5.36	5.19	6.37	9.16	11.64	10.59	11.44	7.76	6.51	5.99	5.78
13	5.37	5.28	5.18	6.47	8.64	11.69	10.58	11.32	7.72	6.53	5.98	5.80
14	5.35	5.30	5.20	6.80	8.32	11.62	10.30	10.76	7.75	6.50	5.97	5.76
15	5.34	5.29	5.20	6.88	8.04	11.47	10.29	10.60	7.71	6.46	5.96	5.72
16	5.32	5.22	5.31	7.08	7.86	11.43	10.30	10.77	7.71	6.44	6.05	5.69
17	5.34	5.30	5.24	6.93	7.92	11.37	10.47	10.76	7.87	6.44	6.04	5.65
18	5.39	5.32	5.26	6.65	8.27	10.75	10.66	10.62	7.76	6.41	6.05	5.62
19	5.42	5.36	5.24	6.82	8.61	10.35	10.98	10.27	7.72	6.39	5.96	5.60
20	5.41	5.34	5.28	7.04	8.83	10.47	11.31	10.32	7.68	6.36	5.91	5.62
21	5.39	5.27	5.44	7.44	9.29	10.42	11.62	10.06	7.61	6.35	5.88	5.61
22	5.38	5.14	5.38	7.56	9.88	10.36	11.78	9.88	7.59	6.33	5.85	5.62
23	5.34	5.28	5.35	7.87	10.13	9.94	12.12	9.66	7.49	6.30	5.76	5.60
24	5.34	5.24	5.32	8.12	10.15	9.72	12.19	9.66	7.36	6.27	5.77	5.58
25	5.36	5.18	5.32	8.12	9.70	9.64	12.02	9.33	7.25	6.36	5.77	5.56
26	5.38	5.23	5.33	7.89	9.93	10.24	12.06	9.03	7.20	6.33	5.77	5.57
27	5.30	5.28	5.36	7.09	9.76	10.65	11.22	8.82	7.17	6.13	5.75	5.64
28	5.32	5.32	5.46	7.66	9.40	10.82	11.59	8.67	7.13	6.17	5.76	5.62
29	5.32		5.63	7.56	9.70	11.02	11.63	8.54	7.09	6.15	5.77	5.63
30	5.33		5.82	7.70	9.46	11.20	11.63	8.53	7.02	6.14	5.76	5.61
31	5.38		5.73		9.43		11.68	8.48		6.14		5.59
Ave.	5.41	5.29	5.31	6.79	9.18	10.60	10.84	10.53	7.55	6.46	5.96	5.67

<b>Kalam</b>												
<b>Daily Gage Height, in Feet</b>												
	<b>1983</b>											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.62	5.30	5.43	5.50	7.77	10.63	13.26	12.57	10.52	7.50	6.20	5.76
2	5.60	5.31	5.36	5.61	7.67	10.48	13.15	12.80	10.53	7.46	6.19	5.70
3	5.57	5.31	5.44	5.63	7.71	10.12	12.96	12.46	10.37	7.43	6.15	5.67
4	5.52	5.35	5.34	5.70	7.86	9.96	12.51	12.32	10.18	7.32	6.13	5.66
5	5.58	5.34	5.31	5.45	7.85	10.10	11.88	12.17	9.77	7.30	6.09	5.67
6	5.55	5.33	5.30	5.94	7.93	10.43	11.51	11.85	9.73	7.27	6.07	5.64
7	5.57	5.33	5.32	6.15	8.29	10.57	11.13	11.76	9.63	7.28	6.07	5.60
8	5.56	5.32	5.38	6.28	8.80	10.62	11.22	11.49	9.57	7.27	6.04	5.64
9	5.44	5.32	5.35	6.26	9.17	10.58	11.35	11.24	9.59	7.23	6.06	5.61
10	5.32	5.31	5.28	6.25	9.56	10.62	11.30	11.18	9.63	7.04	6.05	5.59
11	5.38	5.32	5.00	6.23	9.87	10.83	11.18	10.99	9.54	6.97	6.04	5.62
12	5.40	5.30	5.19	6.31	9.47	11.41	10.68	10.72	9.51	6.94	6.04	5.61
13	5.44	5.29	5.37	6.30	9.62	11.89	10.47	10.68	9.30	6.93	6.03	5.58
14	5.50	5.31	5.40	6.45	9.51	12.15	10.45	10.63	9.17	6.83	6.03	5.61
15	5.45	5.33	5.45	6.10	9.85	12.15	10.63	10.45	9.14	6.76	6.02	5.58
16	5.42	5.34	5.48	6.14	10.13	11.67	10.70	10.42	8.94	6.66	6.00	5.57
17	5.48	5.24	5.52	6.12	10.58	11.65	10.88	10.52	8.65	6.71	5.97	5.54
18	5.46	5.28	5.53	6.10	10.94	11.36	11.06	10.57	8.42	6.63	5.94	5.52
19	5.45	5.26	5.50	6.15	11.21	11.41	11.32	10.52	8.24	6.55	5.90	5.53
20	5.42	5.32	5.45	6.31	11.19	11.67	11.60	10.64	8.18	6.53	5.87	5.51
21	5.44	5.27	5.39	6.47	10.94	11.80	12.12	10.65	8.05	6.49	5.88	5.50
22	5.46	5.32	5.39	6.67	10.49	12.12	12.34	10.42	7.75	6.50	5.86	5.48
23	5.47	5.35	5.36	6.42	10.12	12.32	12.48	10.38	7.57	6.45	5.85	5.45
24	5.45	5.32	5.43	7.05	10.19	12.34	12.56	10.51	7.53	6.41	5.86	5.41
25	5.44	5.22	5.49	7.05	10.37	12.44	12.62	10.66	7.58	6.41	5.83	5.45
26	5.43	5.27	5.50	7.51	10.40	12.60	12.52	11.34	7.53	6.34	5.84	5.45
27	5.46	5.24	5.46	8.20	10.35	12.78	12.27	11.26	7.57	6.31	5.82	5.44
28	5.52	5.34	5.38	8.11	10.50	12.95	12.20	10.46	7.61	6.27	5.79	5.46
29	5.48		5.40	8.06	10.13	12.86	12.09	10.32	7.57	6.27	5.78	5.45
30	5.42		5.40	7.95	10.17	12.89	12.15	10.27	7.53	6.27	5.77	5.47
31	5.34		5.42		10.57		12.42	10.30		6.25		5.50
Ave.	5.47	5.31	5.39	6.48	9.65	11.51	11.77	11.05	8.83	6.79	5.97	5.56

**Kalam**  
**Daily Gage Height, in Feet**

**1984**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.52	5.36	5.35	6.11	7.94	12.37	12.77	11.12	10.14	7.05	6.10	5.75
2	5.46	5.34	5.32	6.47	8.11	12.22	12.32	11.27	10.23	7.02	6.10	5.79
3	5.50	5.35	5.27	6.27	8.58	13.16	12.24	11.25	10.14	6.94	6.07	5.76
4	5.48	5.37	5.29	6.12	8.37	12.95	12.21	11.36	9.91	6.89	6.06	5.74
5	5.50	5.32	5.27	6.04	8.75	13.11	11.90	11.41	9.76	6.86	6.04	5.76
6	5.49	5.36	5.29	5.99	9.13	13.22	11.88	11.51	10.00	6.82	6.05	5.74
7	5.45	5.34	5.31	5.92	9.35	13.19	11.95	11.57	9.96	6.78	6.05	5.75
8	5.44	5.31	5.28	5.96	9.46	13.08	11.42	11.77	9.71	6.73	6.10	5.79
9	5.41	5.33	5.30	5.89	9.30	13.41	11.21	11.76	9.42	6.72	6.04	5.75
10	5.49	5.42	5.28	5.95	9.04	13.21	11.31	11.20	8.89	6.72	6.02	5.65
11	5.48	5.35	5.31	6.05	9.54	13.02	11.57	11.26	8.67	6.64	5.97	5.62
12	5.50	5.33	5.30	6.30	10.14	13.05	11.30	11.74	8.48	6.63	5.96	5.60
13	5.53	5.24	5.29	6.29	9.83	13.19	11.44	11.17	8.50	6.61	5.95	5.72
14	5.44	5.26	5.32	6.52	9.76	13.16	11.53	11.02	8.56	6.55	5.95	5.70
15	5.50	5.33	5.37	6.66	9.53	13.37	11.45	11.44	8.50	6.52	5.94	5.68
16	5.44	5.36	5.67	6.72	9.39	13.48	11.45	11.11	8.33	6.50	5.96	5.66
17	5.46	5.35	5.49	6.75	8.98	13.46	11.33	10.90	8.19	6.49	6.02	5.62
18	5.44	5.30	5.51	6.91	9.08	13.40	11.83	11.09	8.21	6.45	5.90	5.61
19	5.40	5.33	5.50	7.26	9.84	13.12	11.73	10.95	8.10	6.44	5.85	5.58
20	5.38	5.32	5.51	7.41	9.45	12.83	11.48	11.24	8.10	6.43	5.86	5.60
21	5.35	5.34	5.48	7.19	9.34	12.83	11.33	11.29	7.81	6.40	5.94	5.58
22	5.36	5.35	5.55	6.86	9.76	12.92	11.28	11.01	7.83	6.39	5.97	5.61
23	5.34	5.32	5.68	7.11	10.45	13.04	11.13	10.69	7.74	6.35	5.40	5.49
24	5.35	5.36	5.70	7.57	10.38	13.23	10.92	10.68	7.59	6.34	5.80	5.58
25	5.34	5.30	5.97	8.15	10.43	13.41	11.20	10.78	7.48	6.32	5.75	5.55
26	5.36	5.32	5.92	8.66	11.12	13.44	10.95	10.59	7.49	6.28	5.77	5.52
27	5.37	5.29	5.88	8.81	11.19	13.38	10.74	10.45	7.39	6.26	5.80	5.56
28	5.33	5.30	5.93	8.60	11.03	13.42	10.69	10.28	7.43	6.24	5.80	5.52
29	5.30	5.33	5.88	8.28	11.64	13.46	11.02	10.20	7.35	6.20	5.78	5.47
30	5.32		5.90	8.16	11.98	13.42	11.01	10.27	7.30	6.18	5.77	5.51
31	5.37		5.86		12.33		10.96	10.50		6.11		5.53
Ave.	5.42	5.33	5.52	6.90	9.78	13.15	11.48	11.06	8.57	6.54	5.93	5.64

**Kalam**  
**Daily Gage Height, in Feet**

**1985**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.50	5.21	5.32	5.84	7.95	10.64	11.15	11.56	9.02	7.50	6.49	5.93
2	5.49	5.23	5.30	5.84	7.56	10.74	10.37	11.24	8.92	7.56	6.38	5.97
3	5.48	5.26	5.34	5.90	7.46	11.22	9.87	11.37	8.91	7.62	6.34	5.93
4	5.50	5.30	5.36	5.90	7.50	11.39	9.89	11.08	9.03	7.68	6.36	5.95
5	5.51	5.27	5.36	5.98	7.75	11.84	10.80	10.92	9.09	7.83	6.34	5.94
6	5.49	5.21	5.35	6.46	8.08	11.91	11.69	10.71	8.96	7.50	6.32	5.95
7	5.48	5.25	5.32	6.16	8.59	11.55	12.31	11.55	8.69	7.39	6.33	5.98
8	5.47	5.32	5.31	6.38	9.18	11.26	12.27	11.02	8.55	7.30	6.28	5.95
9	5.47	5.22	5.31	6.17	8.97	11.60	12.15	10.72	8.55	7.35	6.28	5.88
10	5.46	5.21	5.29	6.04	8.76	11.83	11.98	10.48	8.44	7.27	6.28	5.86
11	5.46	5.24	5.28	6.03	8.44	11.60	12.15	10.19	8.23	7.13	6.27	5.87
12	5.44	5.26	5.29	6.02	8.42	11.43	12.38	10.39	8.25	7.03	6.25	5.87
13	5.40	5.25	5.25	6.11	8.17	11.06	12.30	10.46	8.33	6.96	6.22	5.86
14	5.40	5.27	5.27	6.12	8.10	11.23	12.01	10.20	8.20	7.00	6.14	5.79
15	5.41	5.30	5.30	6.16	8.28	10.75	11.95	10.11	8.19	6.93	6.15	5.73
16	5.37	5.26	5.28	6.33	8.30	10.38	12.11	10.02	8.21	6.83	6.13	5.75
17	5.41	5.25	5.26	6.50	8.33	10.51	11.92	9.92	8.42	6.74	6.15	5.79
18	5.44	5.26	5.24	6.63	8.58	10.76	11.91	10.01	8.41	6.70	6.14	5.86
19	5.36	5.24	5.29	6.65	8.87	11.12	12.24	10.12	8.17	6.72	6.13	5.93
20	5.38	5.28	5.35	6.68	9.40	10.38	11.77	10.00	8.19	6.65	6.13	5.89
21	5.37	5.21	5.40	7.12	9.53	10.65	11.49	9.90	8.23	6.64	6.13	5.87
22	5.37	5.24	5.45	6.98	9.67	10.67	11.33	9.95	8.23	6.63	6.15	5.91
23	5.36	5.26	5.47	7.09	10.46	11.01	11.08	9.96	8.24	6.69	6.09	5.92
24	5.37	5.25	5.49	7.45	10.63	11.18	11.38	9.96	8.16	6.64	6.07	5.91
25	5.39	5.27	5.55	7.61	9.68	11.14	11.80	9.90	7.96	6.63	6.08	5.93
26	5.42	5.25	5.71	7.67	9.29	11.47	11.31	9.80	7.87	6.56	6.05	5.87
27	5.37	5.27	5.86	7.93	9.60	11.46	11.55	9.83	7.74	6.53	6.03	5.86
28	5.32	5.28	5.87	8.24	10.12	11.85	11.88	9.49	7.79	6.51	6.02	5.82
29	5.28		5.80	7.65	10.40	11.85	11.32	9.12	7.68	6.48	5.99	5.78
30	5.27		5.80	7.99	10.29	11.84	11.83	9.44	7.63	6.46	5.96	5.71
31	5.24		5.76		10.97		11.24	9.24		6.44		5.70
Ave.	5.41	5.25	5.43	6.65	8.95	11.21	11.59	10.28	8.34	6.96	6.19	5.87

**Kalam**  
**Daily Gage Height, in Feet**

**1986**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.79	5.56	5.53	5.82	8.19	9.80	12.87	12.58	8.95	7.48	6.12	5.64
2	5.70	5.54	5.54	5.81	8.23	9.66	12.73	12.69	9.09	7.46	6.09	5.65
3	5.65	5.63	5.57	5.79	8.25	9.79	13.62	12.77	9.24	7.45	6.10	5.66
4	5.62	5.58	5.58	5.92	8.40	9.75	13.44	12.85	9.42	7.43	6.07	5.66
5	5.66	5.51	5.61	6.09	8.69	9.55	14.13	12.42	9.14	7.41	6.06	5.68
6	5.78	5.54	5.63	6.30	9.18	9.59	14.57	11.98	8.94	7.36	6.03	5.74
7	5.72	5.50	5.8.63	6.40	9.58	9.72	14.61	11.61	8.63	7.33	6.10	5.75
8	5.67	5.54	5.64	6.53	9.91	9.90	14.54	11.66	8.49	7.26	5.98	5.65
9	5.68	5.54	5.66	6.50	9.71	10.39	13.88	11.41	8.43	7.26	5.95	5.67
10	5.72	5.58	5.80	6.61	9.88	11.08	13.17	11.95	8.40	7.19	5.95	5.71
11	5.80	5.57	5.75	7.04	10.05	11.72	12.96	11.53	8.34	7.17	5.90	5.79
12	5.74	5.60	5.84	7.59	10.17	11.53	12.30	10.85	8.35	7.12	5.89	5.69
13	5.68	5.65	5.86	7.23	10.21	11.42	12.05	10.91	8.24	7.07	5.86	5.64
14	5.71	5.38	5.81	7.34	10.35	11.57	12.08	11.03	8.20	6.96	5.92	5.60
15	5.65	5.47	5.71	7.15	10.50	11.84	12.27	10.96	8.08	6.87	6.16	5.68
16	5.66	5.64	5.77	7.23	10.33	12.01	12.53	10.91	7.88	6.78	5.90	5.61
17	5.64	5.64	5.69	7.36	10.53	12.04	12.67	10.85	7.85	6.75	5.89	5.61
18	5.65	5.71	5.73	7.51	10.71	12.19	12.97	11.01	7.77	6.66	5.84	5.64
19	5.64	5.57	5.85	7.69	10.05	12.70	13.50	10.90	7.72	6.62	5.85	5.64
20	5.65	5.58	5.68	7.87	9.64	12.83	13.55	11.03	7.66	6.53	5.86	5.62
21	5.66	5.64	5.68	8.10	9.31	13.11	12.65	10.91	7.61	6.46	5.84	5.60
22	5.68	5.62	5.70	8.56	9.16	13.46	12.22	10.54	7.59	6.42	5.86	5.61
23	5.69	5.63	5.67	8.28	9.27	14.03	12.09	10.18	7.59	6.38	5.84	5.53
24	5.66	5.60	5.62	9.23	9.59	14.13	11.48	10.05	7.56	6.36	5.85	5.52
25	5.67	5.57	5.61	9.68	10.13	13.90	11.41	10.01	7.57	6.30	5.90	5.46
26	5.64	5.51	5.64	9.34	10.48	13.82	11.60	9.92	7.39	6.22	5.92	5.49
27	5.60	5.51	5.73	8.76	10.10	13.47	11.75	9.71	7.61	6.26	5.86	5.48
28	5.61	5.54	5.82	8.44	10.35	13.29	12.21	9.59	7.59	6.23	5.69	5.52
29	5.56		5.82	8.25	10.52	13.09	11.89	9.17	7.57	6.21	5.66	5.53
30	5.58		5.83	8.15	10.46	13.02	11.76	9.05	7.33	6.17	5.62	5.45
31	5.55		5.76		10.09		12.08	8.96		6.13		5.47
Ave.	5.67	5.57	7.41	7.42	9.74	11.81	12.77	10.97	8.14	6.82	5.92	5.61

**Kalam**  
**Daily Gage Height, in Feet**

**1987**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.48	5.23	5.14	6.01	9.80	11.71	12.47	11.11	10.79	7.44	6.66	6.06
2	5.39	5.27	5.18	6.41	9.39	11.99	12.72	11.07	10.54	7.45	6.63	6.04
3	5.38	5.25	5.24	6.59	9.43	12.29	12.79	10.97	10.44	7.38	6.62	6.04
4	5.37	5.24	5.29	6.30	9.63	11.80	12.98	10.98	10.32	7.28	6.60	6.02
5	5.45	5.22	5.38	6.24	9.83	11.62	13.11	10.88	10.35	7.25	6.57	5.98
6	5.38	5.25	5.45	6.28	10.08	12.17	12.84	10.89	10.22	7.13	6.56	6.00
7	5.36	5.24	5.48	6.46	10.32	12.68	13.16	10.82	10.20	7.09	6.56	6.04
8	5.36	5.29	5.44	6.77	9.59	13.13	13.34	11.35	10.31	7.03	6.55	6.02
9	5.37	5.14	5.43	6.80	9.22	12.48	13.12	11.63	10.33	7.00	6.55	6.00
10	5.34	5.22	5.42	6.44	8.94	11.98	13.06	11.65	9.88	7.56	6.56	5.67
11	5.33	5.26	5.41	6.37	8.87	11.76	13.27	11.68	9.53	8.17	6.55	5.84
12	5.38	5.26	5.40	6.45	8.89	11.87	13.14	11.69	9.26	7.72	6.53	5.92
13	5.39	5.18	5.50	6.36	9.03	11.89	12.27	11.65	9.19	7.33	6.45	5.86
14	5.32	5.19	5.42	6.43	8.00	11.63	11.55	11.52	9.11	7.08	6.37	5.90
15	5.31	5.21	5.51	6.47	8.16	11.42	11.34	11.32	9.08	7.05	6.35	5.91
16	5.32	5.23	5.67	6.52	9.35	11.10	11.30	11.17	9.01	6.98	6.35	5.87
17	5.29	5.17	5.46	6.59	9.92	10.83	11.09	11.06	8.92	6.99	6.34	5.82
18	5.27	5.12	5.46	6.76	10.39	10.55	12.08	11.00	8.74	6.97	6.34	5.80
19	5.35	5.17	5.57	7.02	10.31	11.59	12.02	10.84	8.67	6.88	6.29	5.80
20	5.31	5.22	5.46	7.26	10.33	11.22	11.92	11.10	8.66	6.84	6.26	5.79
21	5.26	5.25	5.54		10.51	11.54	12.16	11.48	8.61	6.77	6.22	5.79
22	5.29	5.20	5.46		10.62	10.64	12.69	11.76	8.32	6.77	6.20	5.78
23	5.25	5.24	5.38	9.79	10.62	10.51	13.19	11.77	8.13	6.74	6.19	5.75
24	5.27	5.26	5.32	9.20	10.26	11.06	13.39	11.88	8.05	6.73	6.19	5.74
25	5.27	5.28	5.58	9.03	10.31	11.18	13.50	11.82	7.98	6.74	6.18	5.74
26	5.25	5.20	5.61	9.21	10.67	11.71	13.16	11.69	7.92	6.73	6.13	5.72
27	5.29	5.07	5.59	9.79	10.68	11.80	12.82	11.64	7.79	6.72	6.07	5.70
28	5.31	5.13	5.60	10.04	11.23	12.38	11.69	11.63	7.62	7.20	6.06	5.68
29	5.26		5.90	10.45	11.36	12.65	11.32	11.63	7.60	6.94	6.06	5.68
30	5.21		5.84	9.95	11.84	12.85	11.50	11.39	7.51	6.83	6.05	5.70
31	5.27		5.88		11.23		11.30	11.10		6.76		5.71
Ave.	5.33	5.21	5.48	7.43	9.96	11.73	12.46	11.36	9.10	7.08	6.37	5.85

**Kalam**  
**Daily Gage Height, in Feet**

**1988**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	5.72	5.39	5.31	5.90	11.35	12.88	13.03	12.03	8.79	7.26	6.04	5.46
2	5.78	5.37	5.28	5.96	10.80	12.50	13.38	11.80	8.89	7.21	6.02	5.47
3	5.76	5.34	5.32	6.20	10.47	12.24	13.48	11.18	8.63	7.05	5.98	5.45
4	5.64	5.37	5.36	6.11	10.53	12.04	13.44	10.87	8.46	7.01	5.95	5.44
5	5.60	5.38	5.36	6.15	10.69	11.40	13.49	10.67	8.36	6.90	5.91	5.39
6	5.66	5.37	5.37	6.13	10.38	11.22	13.19	10.64	8.38	6.81	5.91	5.37
7	5.53	5.48	5.59	6.12	10.37	11.35	13.02	10.96	8.37	6.75	5.89	5.35
8	5.55	5.40	5.48	6.15	10.11	11.16	12.61	11.32	8.35	6.74	5.87	5.34
9	5.62	5.32	5.47	6.30	10.03	10.73	12.49	11.25	8.34	6.70	5.85	5.34
10	5.50	5.26	5.45	6.52	10.41	10.52	12.66	11.01	8.28	6.64	5.84	5.35
11	5.54	5.30	5.46	6.68	10.73	10.52	12.58	11.00	8.30	6.61	5.82	5.34
12	5.50	5.32	5.50	6.90	11.07	11.03	13.27	11.09	8.37	6.54	5.80	5.33
13	5.54	5.35	5.54	7.41	11.29	11.69	13.09	10.91	8.47	6.66	5.78	5.34
14	5.47	5.33	5.52	7.82	11.69	12.05	13.19	11.07	8.75	6.56	5.77	5.35
15	5.52	5.37	5.49	8.14	11.81	11.86	14.07	11.48	8.94	6.52	5.73	5.37
16	5.39	5.35	5.53	8.41	11.70	11.91	13.24	10.99	8.85	6.44	5.72	5.36
17	5.48	5.38	5.40	8.95	11.56	12.26	12.60	10.55	8.64	6.44	5.71	5.35
18	5.42	5.36	5.47	9.74	11.29	12.67	12.39	10.34	8.24	6.42	5.68	5.40
19	5.42	5.41	5.45	9.40	10.87	13.08	12.24	10.15	8.12	6.37	5.68	5.37
20	5.48	5.48	5.46	9.20	11.17	13.42	12.30	10.29	8.09	6.35	5.65	5.36
21	5.51	5.38	5.48	9.22	11.48	13.25	12.32	10.22	7.97	6.27	5.66	5.40
22	5.46	5.38	5.54	9.48	11.47	13.41	12.28	10.25	7.83	6.24	5.63	5.38
23	5.44	5.27	5.63	9.58	11.64	13.55	12.22	10.18	7.75	6.24	5.60	5.36
24	5.39	5.18	5.75	9.44	11.79	13.62	12.16	9.98	7.68	6.20	5.59	5.27
25	5.36	5.27	5.92	9.82	11.85	13.61	12.32	9.95	7.77	6.16	5.55	5.12
26	5.53	5.30	5.74	9.25	11.72	13.43	12.22	9.76	7.74	6.13	5.54	5.13
27	5.48	5.33	5.78	10.28	11.87	13.99	11.69	10.65	7.61	6.09	5.48	5.18
28	5.46	5.35	5.76	10.58	12.07	13.90	11.52	9.68	7.60	6.08	5.46	5.26
29	5.43	5.34	5.81	10.74	12.30	13.83	11.72	9.46	7.54	6.06	5.47	5.32
30	5.45		5.85	11.16	12.61	13.54	11.78	9.14	7.45	6.06	5.46	5.36
31	5.46		5.90		12.68		11.98	8.88		6.04		5.31
Ave.	5.52	5.35	5.55	8.12	11.28	12.42	12.64	10.57	8.22	6.50	5.73	5.34

**Nowshera**

**Nowshera**  
**Daily Gage Height, in Feet**      **1964**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.22	1.34	1.64	3.83	6.32	6.88	11.01	7.24	5.63	2.10	0.73	1.43
2	1.26	1.59	1.51	4.55	6.29	6.58	11.40	6.91	5.68	1.98		1.62
3	1.42	1.40	1.73	5.30	6.86	6.48	11.79	6.65	5.68	1.91	0.71	1.69
4	1.43	1.56	2.10	6.46	7.07	6.13	12.30	6.64	5.61	2.01	0.79	1.46
5	1.40	1.51	2.20	5.37	7.09	5.98	12.48	6.65	5.39	1.45	0.73	1.48
6	1.53	1.24	2.19	4.86	6.78	6.04	11.92	6.60	5.09	1.75	0.72	1.68
7	1.96	1.41	1.83	4.71	6.77	6.31	10.91	6.60	4.99	1.51	0.71	1.43
8	2.44	1.10	1.77	5.33	7.02	6.19	10.49	6.71	4.92	1.72	0.74	1.65
9	2.51	1.22	1.58	5.09	6.81	6.61	10.47	6.86	4.78	1.55	1.50	1.56
10	2.22	0.91	1.56	5.05	7.00	7.17	10.72	7.10	4.87	1.56	1.99	1.28
11	1.84	1.08	2.07	7.14	6.91	7.53	10.69	7.58	4.98	1.75	1.88	1.17
12	1.82	1.01	2.45	8.46	7.26	8.01	10.65	7.62	4.71	1.79	1.97	1.52
13	1.61	0.98	2.18	7.64	7.48	7.84	11.18	7.78	4.34	1.94	1.93	1.50
14	1.67	1.18	1.93	7.13	8.10	8.14	12.91	7.49	4.21	1.83	1.64	1.09
15	1.71	0.92	2.35	6.89	7.99	8.14	13.26	7.43	4.19	1.85	1.42	1.49
16	1.70	0.79	2.38	7.61	7.66	8.66	12.22	8.40	4.19	1.88	0.78	1.15
17	1.61	1.39	2.86	8.20	7.69	9.08	10.89	8.94	4.32	1.80	1.30	1.04
18	1.55	3.03	2.87	7.17	7.40	9.36	9.70	8.45	4.80	1.93	1.14	1.19
19	1.52	2.84	3.54	6.55	7.20	9.55	8.81	8.35	4.63	1.45	1.15	0.82
20	1.52	2.50	3.72	6.08	7.12	9.38	7.75	7.74	4.51	1.56	1.20	1.40
21	1.62	2.31	3.47	6.03	7.58	9.38	7.08	7.61	4.18	1.46	0.85	1.39
22	1.73	1.88	3.48	6.08	7.28	9.30	6.86	7.82	3.75	1.47	1.20	1.37
23	1.83	1.88	3.16	6.09	6.34	9.37	7.03	7.67	3.51	1.28	0.88	1.57
24	1.78	1.69	3.27	6.19	5.98	9.88	7.32	7.19	3.52	1.28	1.40	1.95
25	1.54	1.49	3.60	6.32	5.68	10.17	8.56	6.91	3.27	1.48	1.39	1.97
26	1.67	1.39	3.88	7.31	5.48	10.20	8.59	6.90	2.93	1.15	1.32	1.64
27	1.44	1.20	3.51	7.17	5.63	10.15	8.84	6.72	2.96	1.46	0.77	1.52
28	1.57	1.30	3.19	6.68	5.79	10.20	8.87	6.38	2.33	0.97	0.95	1.30
29	1.42	1.25	3.23	6.39	6.26	10.46	9.01	6.47	2.79	1.06	1.26	1.42
30	1.41		3.15	6.29	6.48	10.80	8.70	6.04	2.38	0.74	1.19	1.50
31	1.63		3.48		7.10		7.72	5.70		0.70		1.50
Ave.	1.66	1.50	2.64	6.27	6.85	8.33	10.01	7.20	4.30	1.56	1.18	1.44

**Nowshera**  
**Daily Gage Height, in Feet**      **1965**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.59	1.50	1.42	4.54	7.73	12.67	13.35	10.21	6.07	2.49	1.72	1.87
2	1.18	1.42	1.66	4.95	7.79	12.84	13.41	9.60	5.79	2.78	1.80	1.89
3	1.42	1.49	1.42	4.66	7.77	13.13	13.27	9.14	5.59	2.69	1.73	1.91
4	1.10	2.99	1.27	4.35	8.14	13.19	12.94	8.78	5.16	2.69	1.93	1.85
5	1.45	3.72	1.30	4.43	8.48	13.18	12.92	8.71	4.91	2.85	1.83	1.84
6	1.50	3.19	0.88	4.55	9.29	12.63	12.31	8.30	4.71	2.50	1.84	1.83
7	1.27	2.65	1.27	5.38	10.86	12.22	11.40	8.39	4.61	2.47	1.82	1.79
8	1.62	2.37	1.38	5.64	10.85	11.98	11.52	7.93	4.53	2.27	1.69	1.84
9	0.86	2.15	1.72	5.50	9.43	12.32	11.90	7.88	4.59	2.31	1.88	1.77
10	1.04	1.93	2.12	5.31	8.56	12.26	12.15	8.33	4.82	2.23	2.00	2.09
11	0.73	2.04	2.05	5.09	8.60	11.97	11.71	8.40	4.57	2.16	1.70	1.53
12	1.40	2.03	1.78	4.80	8.89	12.54	11.43	8.33	4.06	2.10	1.79	1.71
13	1.52	2.37	1.74	7.14	9.00	13.25	11.30	7.90	3.81	2.03	1.61	1.74
14	1.29	2.25	1.76	7.44	8.81	13.98	11.88	7.60	3.62	1.85	2.42	1.84
15	1.02	1.93	1.93	6.93	8.96	14.48	12.28	7.40	3.41	2.17	3.01	1.78
16	0.76	1.95	2.46	6.62	9.12	14.64	13.07	7.03	3.37	1.81	2.77	1.76
17	1.07	1.95	3.11	7.04	9.38	14.30	13.76	6.88	3.25	1.89	2.48	1.65
18	0.72	2.05	4.03	8.59	9.73	14.30	14.43	6.93	3.15	1.98	2.42	1.38
19	2.01	2.09	4.40	13.95	10.07	14.36	14.05	6.93	3.25	2.19	2.28	1.65
20	2.81	2.03	4.49	15.63	10.36	14.44	13.20	7.00	3.45	1.90	2.22	1.56
21	2.38	1.87	3.93	12.55	10.98	14.64	12.81	7.15	3.32	1.85	2.10	1.83
22	2.18	1.77	3.66	10.13	14.67	14.81	12.39	8.03	3.24	1.97	2.19	1.80
23	2.07	1.66	3.69	10.42	18.24	14.89	12.37	8.14	3.22	1.82	2.02	1.84
24	2.05	1.63	3.39	11.51	15.83	14.70	12.58	8.36	2.50	1.88	2.03	2.00
25	1.87	1.56	3.29	10.73	12.92	14.15	12.67	7.69	3.08	1.72	2.12	2.40
26	1.81	1.58	3.08	9.41	11.68	13.78	12.97	7.02	3.21	1.90	2.16	2.31
27	1.58	1.46	2.85	8.73	11.50	13.67	13.61	6.82	3.02	1.87	2.15	2.14
28	1.70	1.94	3.03	8.21	11.63	13.71	14.17	6.76	3.03	1.78	2.08	2.05
29	1.72		2.39	7.92	11.86	13.68	13.27	6.73	2.95	1.85	2.03	2.15
30	1.50		2.41	7.76	12.14	13.41	12.47	6.50	3.08	1.74	2.03	2.20
31	1.55		3.11		12.46		11.11	6.28		1.85		2.40
Ave.	1.51	2.06	2.48	7.66	10.51	13.54	12.67	7.78	3.91	2.12	2.06	1.88

**Nowshera**  
**Daily Gage Height, in Feet**      **1966**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.73	1.55	2.17	5.92	8.03	8.36	13.02	10.14	5.65	2.25	1.95	1.62
2	2.02	1.25	1.96	5.78		7.90	12.50	9.74	5.51	2.31	1.75	2.03
3	1.86	1.23	1.91	5.25		7.77	12.20	9.31	5.77	2.30	1.84	1.22
4	2.26	1.32	2.08	5.67	6.93	8.10	11.57	9.12	6.72	2.14	1.90	1.44
5	1.83	1.12	3.38	5.72	7.35	8.46	10.34	9.03	7.41	2.20	1.70	1.16
6	1.83	0.96	3.89	5.82	8.04	8.65	9.39	8.95	7.26	2.31	2.05	1.36
7	1.90	0.89	3.36	5.82	8.85	8.67	8.64	9.25	6.60	2.37	1.60	1.47
8	1.69	1.65	2.74	5.93	9.53	8.92	8.41	9.22	5.88	2.21	1.88	1.69
9	1.84	2.27	2.47	5.70	9.71	9.33	8.74	9.31	5.44	2.15	1.75	1.58
10	1.81	2.19	2.42	5.37	9.61	9.72	9.22	9.14	5.14	2.17	1.54	1.51
11	2.13	2.12	2.60	5.40	8.76	10.03	9.93	8.52	4.83	2.17	1.50	1.46
12	1.85	2.06	2.68	5.77	8.00	10.26	10.43	8.32	4.56	2.72	1.30	1.07
13	1.86	1.89	2.97	5.82	7.58	10.53	10.46	7.97	4.28	2.18	1.47	1.48
14	2.03	1.93	2.95	7.07	7.08	11.17	10.08	7.64	4.06	2.08	1.45	1.33
15	1.78	2.09	3.08	7.75	6.86	11.64	9.62	7.43	3.96	2.03	1.57	1.58
16	1.75	1.99	3.11	7.88	6.56	12.11	9.36	7.26	4.00	1.94	1.58	1.46
17	1.58	1.75	3.54	8.72	6.57	12.43	9.21	7.01	4.37	1.86	1.59	1.38
18	1.89	1.59	6.06	8.41	6.97	13.02	8.72	6.56	4.25	1.89	1.64	1.48
19	2.04	1.52	5.97	7.64	7.49	13.47	8.15	6.36	4.20	2.10	1.34	1.29
20	2.04	1.50	4.92	7.48	8.04	14.03	7.88	6.50	4.08	2.42	1.51	1.36
21	1.64	2.04	4.36	7.69	8.02	14.70	7.91	6.68	3.92	2.25	1.08	1.27
22	1.42	2.85	4.38	7.87	8.58	14.85	8.05	6.58	3.48	2.06	1.60	1.43
23	2.10	2.58	5.13	7.64	8.35	14.39	8.46	6.30	3.36	2.05	1.72	1.51
24	1.34	2.15	4.85	7.48	8.28	13.84	8.90	6.15	3.32	1.77	1.65	1.20
25	1.75	1.99	4.59	7.41	8.21	13.84	9.30	6.11	3.65	2.03	1.41	1.35
26	1.56	2.07	5.14	7.86	8.23	13.91	9.65	5.91	3.23	1.92	1.26	1.06
27	1.50	2.59	8.07	8.50	8.44	13.78	9.60	5.64	3.00	1.62	1.22	1.55
28	1.63	2.37	7.95	9.47	8.54	13.71	9.32	5.43	2.86	1.83	0.84	1.68
29	1.42		6.50	9.43	8.54	13.58	9.24	5.37	2.68	2.01	1.36	1.64
30	1.56		5.95	8.82	8.68	13.38	8.97	5.35	2.67	1.90	1.76	1.67
31	1.35		5.83		8.63		9.37	5.47		1.91		1.58
Ave.	1.77	1.81	4.10	7.04	8.08	11.49	9.57	7.48	4.54	2.10	1.56	1.45

**Nowshera**  
**Daily Gage Height, in Feet**      **1967**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.59	0.96	1.61	3.76	10.17	7.78	12.41	9.29	5.28	2.98	2.30	1.46
2	1.77	0.93	1.24	4.04	9.24	8.56	12.33	9.34	5.09	2.70	2.37	1.45
3	1.69	0.87	1.44	3.89	8.83	9.54	12.18	9.19	4.94	2.48	2.21	2.65
4	1.88	0.84	1.38	3.97	8.38	9.76	11.90	9.69	4.95	2.88	1.90	2.42
5	1.93	0.91	1.40	3.69	7.60	9.62	11.65	10.10	4.88	2.54	2.09	2.03
6	1.84	0.82	1.16	3.67	7.78	9.40	10.93	10.03	4.81	2.82	2.42	1.74
7	0.92	0.94	0.95	3.95	7.18	9.69	11.00	9.47	4.83	2.34	1.93	1.72
8	1.57	0.86	0.91	3.27	7.28	10.10	11.25	8.93	4.97	2.13	1.88	1.46
9	1.63	1.22	0.79	3.07	7.18	10.74	11.08	8.70	5.09	2.09	1.63	1.34
10	1.84	1.07	0.80	3.13	7.92	11.35	10.74	8.24	5.11	2.52	1.88	1.52
11	2.02	0.68	1.06	2.95	8.13	11.79	10.36	7.71	5.20	2.40	1.78	1.62
12	1.21	1.08	1.72	3.01	7.70	12.09	10.25	7.59	5.15	2.20	2.01	1.25
13	0.71	0.92	2.37	3.00	7.06	12.70	10.45	7.56	5.12	1.88	1.79	1.48
14	1.22	0.99	2.87	3.00	6.65	12.52	10.63	7.69	5.73	1.92	1.56	1.66
15	1.59	0.89	2.50	3.15	6.46	11.94	10.60	7.86	6.09	1.71	1.61	1.47
16	1.59	0.86	3.07	3.92	6.45	10.95	10.68	8.20	5.67	1.74	1.51	1.23
17	1.57	1.19	3.20	3.75	6.74	10.35	10.20	8.57	5.06	1.82	1.34	2.24
18	1.25	1.71	2.68	4.75	7.16	9.09	10.22	8.24	4.68	1.74	1.35	1.95
19	1.21	2.04	2.58	5.35	7.63	7.75	9.97	7.94	4.55	1.72	2.20	1.54
20	1.18	2.22	2.46	4.92	7.95	7.56	9.50	7.54	4.15	1.71	2.06	1.30
21	0.96	2.85	2.48	4.83	8.85	8.27	9.61	7.40	3.77	1.56	1.72	1.31
22	1.19	2.65	2.11	5.09	9.08	8.78	9.63	7.14	3.32	1.64	1.57	1.50
23	0.98	2.48	1.58	5.28	9.43	9.68	9.87	7.00	3.24	1.77	1.48	2.13
24	1.22	1.99	1.37	5.64	9.41	10.08	10.75	6.88	3.33	2.03	1.41	2.53
25	1.21	1.91	7.88	6.36	8.94	10.67	11.23	6.97	3.72	2.89	1.58	2.55
26	1.12	1.88	11.22	6.83	7.72	10.99	11.22	6.97	3.52	2.31	2.28	2.69
27	0.97	1.52	6.29	8.47	6.87	11.28	10.64	6.66	3.81	2.87	2.09	4.37
28	1.02	1.55	4.90	11.05	6.47	11.22	10.33	6.21	3.82	2.58	1.69	4.62
29	1.08		4.35	14.93	6.47	11.41	9.79	5.95	3.45	2.34	1.52	3.82
30	0.78		3.91	13.11	6.06	11.71	9.68	5.62	3.12	2.24	1.46	3.38
31	1.06		3.47		6.85		9.35	5.52		2.17		3.33
Ave.	1.35	1.39	2.77	5.19	7.73	10.25	10.66	7.88	4.55	2.22	1.82	2.12



**Nowshera**  
**Daily Gage Height, in Feet** **1968**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	3.39	2.27	2.37	4.00	11.89	9.07	10.88	9.74	4.71	2.61	2.57	1.92
2	3.33	1.94	2.29	3.50	11.87	9.14	11.18	9.47	4.45	2.44	2.95	1.92
3	3.24	1.87	2.16	3.08	10.42	9.31	11.63	9.40	4.08	2.17	2.80	1.91
4	3.10	1.92	2.11	3.12	9.21	9.68	11.82	9.36	3.91	2.45	2.49	1.65
5	2.58	1.88	2.10	3.01	8.50	9.76	11.75	9.31	4.20	2.45	2.24	1.80
6	2.44	1.93	2.02	3.71	8.28	10.01	12.10	9.75	3.88	2.26	2.14	1.75
7	2.20	2.09	2.12	5.22	7.69	10.45	12.40	10.48	3.88	2.27	2.00	1.94
8	2.21	1.99	1.90	5.83	7.17	10.85	12.65	10.18	3.92	2.37	2.02	2.03
9	1.92	1.73	1.88	5.44	6.79	11.21	13.22	10.00	3.83	2.25	1.98	2.03
10	1.69	1.61	2.19	5.49	6.35	11.78	13.77	9.51	3.77	2.10	1.99	2.08
11	1.96	1.81	2.89	5.43	5.94	12.51	13.58	9.80	3.79	2.02	2.08	2.67
12	2.87	1.43	3.34	5.13	5.62	13.15	13.05	10.64	3.58	2.29	1.92	3.53
13	3.10	1.68	3.69	5.76	5.40	13.00	12.75	9.80	3.58	1.98	2.06	3.14
14	2.94	1.66	3.84	5.61	5.80	12.50	13.03	9.42	3.70	1.91	2.10	2.98
15	2.85	1.38	4.43	5.96	6.33	12.00	12.80	9.78	3.75	1.72	2.07	2.86
16	2.63	1.48	4.33	5.66	6.63	11.64	12.31	9.64	3.95	2.24	2.16	2.84
17	2.11	1.34	3.72	5.49	6.61	11.89	11.65	8.99	4.28	2.15	1.97	2.42
18	2.30	1.40	4.32	5.08	6.28	12.05	11.01	8.53	4.09	1.85	1.98	2.13
19	1.95	1.25	5.36	5.16	6.37	12.07	10.38	8.76	3.79	1.71	2.00	2.42
20	2.46	1.69	5.68		6.87	12.25	9.90	8.82	3.62	1.97	1.89	2.33
21	2.91	1.96	5.45	6.15	7.02	11.99	9.58	8.61	3.47	2.39	2.12	2.63
22	2.63	1.92	4.88	6.21	7.31	11.99	9.19	9.05	3.58	2.16	2.31	2.69
23	2.40	1.87	4.32	6.56	7.34	12.11	9.62	8.79	3.09	2.16	2.18	2.22
24	2.20	1.64	4.29	6.85	7.41	12.47	9.03	7.85	3.00	2.20	2.24	1.08
25	1.90	1.84	4.30	6.98	7.99		8.21	7.40	2.98	2.21	2.07	2.40
26	1.83	1.69	4.49	7.24	8.82	13.09	8.31	7.19	2.97	2.43	2.02	2.39
27	1.92	2.23	5.01	8.30	8.53	13.29	8.70	6.63	2.85	1.93	1.83	1.60
28	1.75	2.80	4.88		8.11	12.98	8.12	6.14	2.77	2.23	1.88	1.30
29	1.82	2.84	4.31	8.70	7.90	12.28	9.80	5.72	2.68	2.29	1.87	1.30
30	2.14		4.30	1.40	8.05	11.41	10.31	5.30	2.45	2.66	1.69	1.40
31	2.35		4.00		9.05		10.34	4.95		2.51		1.60
Ave.	2.43	1.83	3.64	5.36	7.66	11.58	11.07	8.68	3.62	2.21	2.12	2.16

**Nowshera**  
**Daily Gage Height, in Feet** **1969**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.93	1.85	2.65	4.73	4.36	9.80	9.98	8.04	4.82	2.17	2.98	1.70
2	2.23	2.06	2.31	4.64	4.16	9.72	10.01	7.71	4.83	2.16	2.63	1.76
3	2.16	1.72	2.38	4.70	4.14	9.79	10.17	7.83	5.06	2.28	2.36	1.68
4	2.01	1.65	2.55	4.31	4.09	9.95	10.42	8.26	4.67	2.10	2.21	1.71
5	1.98	1.42	2.32	4.52	4.18	9.50	10.77	8.51	4.53	2.19	2.16	1.63
6	1.88	1.50	2.29	4.71	4.42	8.60	10.83	8.71	4.28	1.95	2.12	1.59
7	1.41	1.51	2.45	4.91	4.91	8.31	10.72	9.03	4.27	2.13	2.08	1.66
8	1.66	1.28	2.38	5.27	5.50	8.51	10.86	9.36	4.17	2.02	2.08	1.65
9	1.89	1.31	2.78	5.65	6.85	9.03	11.04	9.53	4.10	1.87	2.01	1.72
10	1.76	1.02	2.50	5.69	7.58	9.21	11.20	9.67	3.93	1.89	1.95	1.51
11	2.32	1.05	3.12	6.31	7.75	9.37	11.18	10.51	3.72	1.97	1.88	1.53
12	1.92	1.25	3.49	6.96	7.33	9.32	10.72	10.32	3.65	2.46	1.99	1.49
13	2.01	1.33	3.11	7.33	7.41	9.28	9.81	9.81	3.58	2.64	2.06	1.67
14	2.13	1.92	3.36	6.42	7.69	9.49	9.91	9.28	3.82	2.99	2.20	1.75
15	2.11	2.56	3.57	6.05	7.70	9.72	10.09	9.54	4.83	2.43	2.07	1.42
16	1.94	2.48	4.01	7.37	7.08	9.97	10.15	9.35	5.11	3.24	2.01	1.44
17	1.99	2.37	4.16	8.00	6.38	10.28	9.89	8.74	4.68	2.94	1.90	1.43
18	2.18	2.61	4.23	7.05	6.32	10.70	9.71	8.95	4.04	2.54	1.91	1.45
19	2.07	2.51	4.91	6.38	6.37	11.00	9.62	8.87	3.71	2.58	1.84	1.44
20	1.91	2.05	5.58	6.30	6.44	11.01	10.02	8.63	3.41	2.13	1.87	1.49
21	2.27	2.02	4.76	7.77	6.39	11.23	10.43	8.14		2.13	1.88	1.42
22	1.89	1.81	4.63	7.60	6.64	11.08	10.33	7.70		2.04	1.87	1.41
23	1.81	1.53	4.44	6.99	7.03	10.32	10.39	7.08		2.02	1.91	1.38
24	1.82	1.69	4.66	6.27	7.28	9.77	10.83	6.70		1.88	1.88	1.41
25	1.67	2.03	4.59	5.88	7.15	9.73	10.77	6.30		1.92	1.66	1.36
26	1.60	1.88	6.29	5.62	7.25	9.94	10.38	6.25	2.46	1.82	1.72	1.38
27	2.07	2.14	6.16	5.32	7.45	9.95	10.22	5.88	2.52	1.54	1.63	1.39
28	2.34	2.61	5.34	5.20	7.58	10.27	10.48	5.47	2.39	2.88	1.70	1.47
29	2.28		5.06	5.42	8.32	10.22	9.67	5.15	2.21	3.85	1.70	1.37
30	2.14		4.77	5.00	8.83	19.99	8.88	4.90	2.27	4.22	1.70	1.46
31	1.81		4.58		9.61		8.57	4.77		3.39		1.43
Ave.	1.97	1.83	3.85	5.95	6.59	10.17	10.26	8.03	3.88	2.40	2.01	1.52

**Nowshera**  
**Daily Gage Height, In Feet** **1970**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.59	1.97	1.92	2.39	4.50	7.66	8.00	5.93		1.94	1.22	0.75
2	1.66	1.78	1.74	2.07	4.09	8.10	8.21	6.07	7.83	1.93	1.03	0.68
3	1.58	1.87	1.73	2.00	4.08	8.27	8.23	6.01	6.98	1.92	1.10	0.72
4	1.82	1.84	1.48	1.78	4.03	8.41	8.09	6.21	6.51	1.73	1.12	0.96
5	1.69	1.58	1.34	2.23	3.98	8.39	7.92	6.22	6.79	1.78	1.22	0.92
6	1.74	1.64	1.32	2.66	4.02	7.75	7.19	6.30	6.89	2.20	1.16	1.22
7	1.70	1.28	1.20	3.23	4.57	6.94	7.58	6.23	6.42	2.43	1.02	0.97
8	1.57	1.59	1.28	3.59	4.56	6.73	7.40	6.10	6.43	2.57	1.06	0.85
9	1.60	1.28	1.20	3.27	4.41	6.36	7.32	6.09	6.92	2.18	1.10	1.01
10	1.64	1.29	1.29	3.23	4.65	6.70	6.79	6.12	6.23	2.03	1.03	1.03
11	1.64	1.10	1.79	3.49	4.63	6.98	6.17	6.33	5.94	1.98	1.07	1.12
12	1.80	1.21	1.96	3.88	4.54	7.42	5.96		6.20	1.79	1.02	
13	1.94	1.10	2.09	3.84	4.47	7.85	5.44	7.78	6.10	1.82	0.98	
14	1.93	1.09	1.94	4.02	4.92	7.75	5.26	7.33	5.74	1.50	0.93	
15	1.83	1.12	2.38	4.13	5.12	7.47	5.42	6.73	5.48	1.61	0.94	
16	1.86	0.94	2.49		5.20	6.96	5.61	6.27	5.26	1.43	0.84	1.03
17	1.73	0.84	2.41	5.84	5.74	6.13	5.65	6.11	4.83	1.47	1.44	1.12
18	1.86	0.72	2.37	4.72	6.47	5.47	6.38	6.07	4.53	1.40	1.30	1.72
19	1.83	0.68	2.11	4.10	6.73	5.03	6.54	6.28	4.25	1.39	1.11	1.47
20	1.79	0.94	2.43	4.00	7.12	5.12	6.23	6.18	4.12	1.47	1.22	1.09
21	1.78	1.07	1.76	3.90	7.42	5.18	6.70	6.08	4.29	1.41	1.15	1.16
22	1.71	1.02	1.93	3.93	7.79	5.74	6.34	6.06	3.82	1.40	1.50	1.37
23	1.83	0.79	1.98	4.49	8.21	6.51	6.22	6.29	3.24	1.19	1.41	1.20
24	1.58	1.01	2.12	4.89	8.01	6.45	5.47	6.50	2.94	1.36	1.46	0.97
25	1.66	1.24	2.25	5.05	7.52	6.59	5.27	6.61	2.78	1.33	1.23	1.23
26	1.87	1.51	2.51	5.54	7.42	6.87	4.81		2.71	1.20	1.05	1.12
27	1.81	1.49	3.35	5.94	7.03	7.21	4.84	7.27	2.33	1.38	1.03	1.25
28	1.81	1.63	3.80	5.92	7.05	7.63	5.39	6.59	2.13	1.23	1.04	1.10
29	1.93		3.53	5.74	6.99	7.98	5.53	6.29	2.24	1.00	1.40	1.19
30	1.74		3.06	5.24	7.09	8.05	5.67	6.21	2.06	1.34	1.40	1.25
31	1.78		2.71		7.44		5.90	6.17		1.70		1.28
Ave.	1.75	1.27	2.11	3.97	5.80	6.99	6.37	6.36	4.90	1.65	1.15	1.10

**Nowshera**  
**Daily Gage Height, In Feet** **1971**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.07	1.21	0.86	2.20	4.73	8.57	6.45	8.12	5.50	1.15	0.83	0.96
2	0.92	1.05	0.76	2.29	4.68	8.34	7.23	7.90	5.21	1.26	0.73	0.83
3	1.06	0.85	0.77	2.44	4.29	7.90	7.48	8.19	5.11	1.34	0.89	0.88
4		1.03	1.20	2.41	4.01	7.95	7.49	7.74	5.10	0.78	0.84	0.70
5	1.10	0.85	1.22	2.55	4.20	7.73	6.97	7.33	5.10	1.15	0.79	0.72
6	1.36	0.70	0.91	3.37	4.37	7.88	6.31	7.11		0.88	0.97	0.86
7	1.33	0.70	1.00	3.28	4.28	7.85	5.80	7.35	5.05	1.21	0.95	0.90
8	1.21	0.56	0.72	2.90	3.74	8.26	4.93	7.53	4.83	0.88	0.98	0.97
9	1.12	0.57	0.70	2.65	4.39	8.90	4.55	7.38	4.45	0.57	0.71	0.98
10	1.20	0.58	0.80	2.55	5.20	8.99	4.57	7.66	4.07	0.86	0.82	0.84
11	1.40	0.71	0.64	2.85	5.43	8.67	4.76	7.09	3.86	0.87	0.89	0.68
12	1.06	0.61	0.62	3.07	5.47	8.40	5.12	6.70	3.79	0.86	0.85	0.89
13	1.05	0.76	0.61	2.79	5.82	7.90	5.85	6.20	3.79	0.88	0.80	0.70
14	1.06	0.67	0.60	2.91	5.70	7.78	7.80	6.13	3.40	1.03	1.06	0.62
15	0.89	0.61	0.60	3.43	5.48	8.15	7.01	5.85	2.78	0.76	0.96	0.62
16	0.63	0.65	0.60	3.46	5.83	7.78	6.81	5.53	8.71	0.86	0.87	0.65
17	0.72	0.68	0.59	4.20	5.75	7.20	6.99	5.29	2.22	0.85	1.26	0.78
18	0.54	0.66	0.60	4.11	5.89	6.40	7.05	5.19	2.10	0.85	1.15	0.70
19	0.97	0.61	0.69	3.63	6.37	6.30	6.60	5.17	2.12	0.93	0.86	0.81
20	0.95	0.66	0.77	3.27	6.80	6.27	6.46	5.15	1.83	0.94	0.71	0.47
21	1.07	0.61	0.78	3.37	7.11	6.18	6.19	5.15	1.90	0.97	0.76	0.35
22	0.95	0.60	0.69	3.80	7.16	6.17	5.76	5.16	1.79	0.98	0.71	0.37
23	1.01	0.60	1.02	3.72	7.06	6.60	5.31	5.18	1.32	0.86	0.80	0.40
24	0.92	0.60	1.20	3.38	6.88	6.92	4.87	5.19	1.19	0.90	1.18	0.36
25	0.90	0.61	1.19	2.85	7.19	7.61	4.77	5.25	1.39	0.88	0.67	0.37
26	1.15	0.62	1.00	3.19	7.36	7.67	4.85	6.05	1.36	1.08	0.74	0.39
27	1.22	1.19	1.32	3.93	7.37	7.04	5.10	6.78	1.52	0.78	1.03	0.51
28	1.08	1.09	1.77	4.93	7.73	6.84	5.81	6.80	1.31	1.02	0.87	0.93
29	1.17		2.12	5.74	8.07	6.37	7.45	6.79	1.13	0.92	0.92	0.78
30	1.19		1.71	5.04		6.30	8.58	6.23	1.24	0.62	1.00	0.56
31	1.40		1.85				9.04	5.92		0.89		0.41
Ave.	1.06	0.74	0.96	3.34	5.81	7.50	6.26	6.42	3.21	0.93	0.89	0.68

**Nowshera**  
**Daily Gage Height, in Feet**      **1972**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
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29												
30												
31												

Ave.

**Nowshera**  
**Daily Gage Height, in Feet**      **1973**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
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29												
30												
31												

Ave.

**Nowshera**  
**Daily Gage Height, in Feet**      **1974**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.50	1.87	2.00	3.50	5.22	6.90	6.79	6.00	4.76	2.82	1.07	1.10
2		1.75	1.69	3.56	5.53	7.01	7.32	5.88	4.42	2.83	0.83	1.13
3		1.82	1.80	3.75	5.55	7.18	7.33	5.69	4.18	2.60	1.22	0.82
4		2.23	1.37	4.64	5.60	7.30	7.20	6.33	3.90	2.31	0.79	1.35
5	1.50	2.32	1.60	4.75	5.25	7.52	6.74	7.31	3.58	2.11	1.16	1.19
6	1.26	2.14	1.51	4.15	4.88	8.05	6.09	7.26	3.39	2.01	0.98	1.23
7	1.10	2.08	1.24	3.61	4.80	7.62	5.80	6.91	3.24	1.79	1.05	1.29
8	1.16	2.19	1.50	3.48	5.15	6.77	5.85	7.00	3.09	1.75	1.11	1.30
9	1.63	1.84	1.39	4.55	5.40	6.72	6.30	6.38	3.07	1.70	0.97	1.27
10	1.68	2.18	2.02	4.60	5.90	7.01	5.61	5.60	3.40	1.67	1.16	1.15
11	1.98	1.93	1.67	4.14	6.02	7.56	7.27	5.21	3.11	1.54	0.90	1.42
12	2.01	2.06	1.55	3.68	5.72	7.45	7.23	5.19	2.96	1.63	1.02	1.52
13	1.98	1.98	1.29	3.77	5.56	7.00	7.36	5.36	2.77	1.69	1.11	1.20
14		1.54	1.23	4.18	5.37	7.25	7.22	5.94	2.62	1.61	1.01	1.31
15		1.23	1.24	4.35	5.37	7.71	7.14	6.02	2.52	1.61	1.13	1.35
16		1.03	1.33	4.40	5.20	7.77		5.91	2.38	1.51	1.01	1.13
17		1.09	1.48	4.40	5.28	7.93		5.40	2.37	0.96	0.89	
18		0.82	1.30	4.30	5.32	8.08		5.32	2.48	1.27	0.99	
19		0.88	1.20	4.42	5.05	8.46	7.80	5.25	2.30	1.30	1.06	
20	2.09	1.03	1.39		5.17	8.45	8.00	5.14	2.13	1.41	1.02	
21	2.00	1.20	2.20		5.31	8.27	7.67	5.13	2.02	1.58	1.10	1.39
22	2.15	1.76	3.16		4.93	7.78	7.50	5.07	2.02	1.33	0.99	1.64
23	2.22	2.46	3.40		5.05	7.69	7.46	5.03	2.00	1.54	1.07	1.60
24	1.99	2.69	4.14	4.61	5.70	7.55	7.58	5.05	2.05	1.19	1.13	1.37
25	1.78	2.31	4.11	4.57	6.20	6.72		5.01	2.18	1.20	0.96	0.89
26	1.79	2.17	3.70	4.72	6.60	6.02	7.66	5.03	2.14	1.10	1.07	0.96
27	2.05	2.06	3.28	5.20	6.70	5.57	6.95	4.91	2.74	1.00	1.10	1.29
28	2.10	1.95	2.99	5.20	6.21	5.44	6.43	4.93	3.26	1.17	1.04	1.53
29	2.03		3.09	5.17	5.77	5.71	6.24	4.82	3.02	1.28	1.11	1.83
30	2.11		3.30	5.49	5.86	6.32	6.13	4.53	2.90	1.29	1.03	1.60
31	2.25		3.56		6.38		6.23	4.78		1.62		1.48
Ave.	1.83	1.81	2.15	4.35	5.55	7.23	6.92	5.60	2.90	1.63	1.04	1.31

**Nowshera**  
**Daily Gage Height, in Feet**      **1975**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.53	1.14		2.81	6.46	8.59	8.04		5.60	2.38	1.62	1.27
2	1.63	1.27	1.28	3.17	6.33	8.62	7.85		5.28	2.31	1.59	1.56
3	1.70	1.19	0.81	3.77	6.13	8.97	7.63	6.49	5.32	2.26	1.30	1.62
4	1.60	1.02	1.11	4.31	6.16	8.46	7.91	6.98	5.33	2.21	1.48	1.57
5	1.64	1.14	2.16	5.15	6.18	8.05	8.40	2.03	5.18	2.18	1.64	1.67
6	1.49	1.11	2.36	5.43	5.93	8.32	8.10	8.32	5.65	2.15	1.71	1.59
7	1.58	1.00	1.87	6.43	5.16	8.58	7.57	7.36	5.40	2.10	1.60	1.86
8	1.53	1.51	1.52	6.52	4.90	8.62	7.39	7.23	5.04	2.09	1.62	1.66
9	1.50	1.64	1.42	5.48	4.78	8.35	7.45	6.88	5.82	2.15	2.03	1.38
10	1.83	1.57	1.10	4.93	5.18	8.18	7.60	6.49	5.04	2.12	1.65	1.39
11	1.39	1.70	1.49	4.76	5.22	8.14	7.58	6.44	4.84	2.15	1.65	1.26
12	1.31	1.48	2.39	4.55	5.12	8.12	7.73	6.42	4.32	2.00	1.84	1.38
13	1.50	1.66	2.67	4.35	5.55	7.96	8.46	7.28	4.07	1.88	1.84	1.32
14	1.63	2.08	2.44	4.17	6.18	7.89	9.15	9.33	3.83	1.89	1.84	1.39
15	1.50	2.03	2.02	3.96	6.75	8.34	9.54	9.89	3.74	1.87	1.59	1.09
16	1.68	1.87	1.95	3.84	9.22	8.90	10.00	10.08	3.84	1.62	1.58	1.22
17	1.56	1.73	1.92	3.84	12.65	9.60	9.45	9.70		1.63	1.48	1.32
18	1.46	1.52	2.00	4.42	10.90	10.52	8.26	10.24	3.87	1.17	1.52	1.32
19	1.51	1.39	1.75	4.95	8.47	10.81	7.88	11.21	3.78	1.50	1.40	1.22
20	1.28	1.52	1.68	5.26	7.76	10.71	7.73	12.45	3.75	2.14	1.38	1.11
21	1.39	1.58	1.70	5.26	7.32	10.41	7.77	13.48	3.68	2.21	1.20	1.16
22	1.57	1.33	2.58	5.53	7.22	9.57	7.73	12.79	3.64	2.05	1.27	1.12
23	1.93	1.36	4.12	5.80	6.95	8.63	7.68	10.45	3.46	1.92	1.10	1.19
24	1.24	1.16	3.99	6.00	7.11	7.95	7.63	8.60	3.25	1.86	1.35	1.19
25	1.32	1.19	3.74	6.55	7.14	7.59	7.37	7.61	2.94	1.78	1.42	1.64
26	1.61		3.18	7.96	7.40	7.88	6.95	7.10	2.70	1.76	1.10	1.27
27	1.12		2.89	7.91	7.65	8.44	6.85	7.38	2.60	1.73	1.44	1.55
28	1.10		2.80	7.68	8.12	8.77	6.89	7.22	2.63	1.40	1.48	1.63
29	1.13		2.60	6.57	8.44	8.86	7.07	7.14	2.66	1.36	1.41	1.58
30	1.00		2.72	6.31	8.49	8.56	6.89	6.55	2.18	1.61	1.28	1.58
31	1.05		2.56		8.61		6.41	6.04		1.73		1.58
Ave.	1.46	1.45	2.23	5.26	7.08	8.75	7.84	8.25	4.12	1.91	1.53	1.41

**Nowshera**  
**Daily Gage Height, in Feet** **1976**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.57	1.62	1.76	2.56		7.74	7.86	8.39	5.91	2.66	1.43	1.33
2	1.53	1.36	1.58			7.88	7.82	11.72	6.95	2.68	1.48	1.41
3	1.50	1.37	1.62	2.21		8.34	7.61	11.78		2.60	1.38	1.20
4	1.53	1.30	1.57	2.18		9.00	7.61		6.08		1.53	1.34
5	1.60	1.28	1.70	4.88		9.57	7.40	8.85	6.07	2.20	1.30	1.39
6	1.47	1.32	1.88	5.98		9.71	7.65	8.55	5.59	2.13	1.39	1.49
7	1.53	0.92	1.70	4.79		9.48	7.97	7.72		2.10	1.43	1.31
8	1.50	1.21	1.51	4.35		9.05	8.64	7.22	4.96	2.20	1.50	1.54
9	1.46	1.92	1.56	4.12		8.87	9.50	6.90	4.78	2.11	1.55	1.43
10	1.48	2.13	2.31	4.35	6.61	9.01	9.89	6.94	4.35	1.76	1.24	1.27
11	1.64	1.85	2.30	5.14		8.64	9.90	7.00	4.00	1.87	1.42	1.50
12	1.50	1.72	2.15	5.32		8.70	9.48	7.05	3.89	1.81	1.15	1.18
13	1.42	1.84		4.93		8.79	8.78	7.20	4.05	1.86	1.22	1.20
14	1.53	2.21	2.47	4.78		9.00	8.51	7.18		1.75	1.30	1.31
15	1.66	2.60	2.70	4.72		9.00	9.14	8.05	4.06	1.70	1.31	1.36
16	1.62	3.16	2.91	4.80		8.89	9.80	8.10	3.90	1.82	1.45	1.24
17	1.54	2.75	3.48	4.90		8.63	9.31	8.76	3.79	1.83	1.39	1.24
18	1.41	2.50	3.70	5.35		7.87	9.40	9.25	3.80		1.34	1.27
19	1.43	2.48	3.38	5.38		7.89	10.03	8.57	3.55		1.42	1.32
20	1.58	2.40	3.20	5.75		7.52	9.64	8.34	3.50	1.47	1.27	1.34
21	1.58	2.26	3.18	6.80		7.02	10.30		3.40	1.56	1.45	1.29
22	1.77	2.10	3.07	7.35		6.78	10.37		3.00	1.62	1.29	1.34
23	1.90	1.68	2.61	7.58		6.51	9.61	6.55	2.79	1.63	1.46	1.29
24	1.44	1.68	2.58	7.93		6.19	9.42	6.33	2.65	1.50	1.41	1.38
25	1.60	2.05	2.75	8.95		6.04	9.30	6.36	2.55	1.65	1.45	1.31
26	1.37	2.51	2.58	9.25		6.06	9.40	6.31	2.58	1.84	1.31	1.37
27	1.49	2.39	2.78	8.40		6.40	10.65	6.23	2.49	1.88	1.45	1.39
28	2.05	2.24	3.24	8.17	7.14	7.22	9.75	6.19	2.42	1.63	1.25	1.37
29	2.17	2.00	3.53	8.08	7.08	7.22	8.52	5.97	2.41	1.57	1.39	1.38
30	1.80		3.40	7.62	7.23	7.56	8.10	6.20	2.40	1.44	1.35	1.37
31	1.43		3.08		7.24		7.78	5.85		1.57		1.40
Ave.	1.58	1.96	2.54	5.75	7.06	8.02	9.00	7.63	3.92	1.87	1.38	1.34

**Nowshera**  
**Daily Gage Height, in Feet** **1977**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.54	1.98	1.30	3.22	4.22	6.27	9.68	6.61	4.83	2.17	2.04	1.85
2	1.87	2.01	1.32	3.11	4.15	6.10	9.07	6.36	4.80	2.31	1.78	1.79
3	1.80	1.93	1.24	3.28	4.31	6.05	8.98	6.37	4.51	2.34	1.71	1.71
4	1.82	1.83	0.90	3.18	4.56	6.35	8.81	6.83	4.51	2.31	2.22	1.47
5	1.61	1.81	1.00	4.47	4.05	6.50	8.53	7.36	4.39	2.25	2.02	1.48
6	1.64	1.77	1.10	8.29	3.71	6.49	8.18	7.19	4.25	2.31	1.60	1.64
7	1.64	1.72	1.10	6.94	3.36	6.54	8.11	6.62	4.62	2.30	1.47	1.42
8	1.75	1.70	0.99	5.91	3.25	6.84	8.46	6.33	4.19	2.18	2.02	1.25
9	1.71	1.78	1.27	5.25	3.69	6.94	8.65	6.09	4.08	2.05	1.84	1.28
10	2.02	1.82	1.41	5.07	4.31	6.81	8.21	5.90	3.82	1.98	1.80	1.40
11	2.54	1.70	1.13	5.20	4.02	6.70	7.84	6.19	3.55	2.17	1.75	1.39
12	2.46	1.45	1.29	5.17	4.21	6.75	8.41	6.09	3.16	2.20	1.71	1.37
13	2.18	1.45	1.34	5.03	4.23	6.60	8.75	6.00	2.90	2.10	1.61	1.50
14	2.17	1.44	1.32	4.81	4.42	6.60	8.21	5.89	2.69	1.92	1.24	1.63
15	1.96	1.28	1.50	4.92	4.20	6.71	8.81	5.83	2.69	1.87	1.21	1.38
16	2.02	1.22	1.79	4.70	4.30	6.32	8.91	6.02	2.56	1.87	1.44	1.26
17	2.02	1.14	2.40	4.56	4.07	6.39	10.75	6.12	2.48	1.84	1.48	1.32
18	1.93	1.14	2.75	4.90	4.08	6.61	9.71	5.90	2.48	1.76	1.54	1.23
19	2.00	1.11	2.11	5.59	4.71	6.74	8.12	5.73	3.49	1.72	1.59	1.25
20	1.90	1.06	1.52	5.56	4.89	6.98	7.21	5.59	3.54	1.71	1.50	1.24
21	1.83	1.08	1.37	4.92	4.43	7.59	6.87	5.59	5.33	1.70	1.67	1.17
22	1.87	1.02	1.62	4.54	4.89	7.74	6.88	5.59	3.12	1.70	1.59	1.10
23	1.92	0.98	1.62	4.62	5.09	8.22	7.00	5.52	2.92	1.70	1.30	1.29
24	2.30	0.98	1.79	4.78	5.25	9.02	7.12	5.38	2.70	1.80	1.19	1.21
25	2.81	0.96	1.98	4.38	5.67	9.53	7.81	5.31	2.76	5.28	1.22	1.24
26	2.85	0.94	2.28	4.05	6.15	9.73	8.61	5.20	2.43	2.76	1.09	1.23
27	2.32	1.04	2.53	4.01	6.50	9.60	9.20	5.18	2.29	2.29	1.17	1.54
28	2.33	1.25	2.60	4.65	6.71	9.00	7.45		2.19	2.18	1.03	1.56
29	2.15		2.58	4.90	6.88	8.90	6.76	4.63		1.82	1.09	1.38
30	2.13		2.43	4.66	6.87	9.25	6.78	4.89		1.85	1.45	1.33
31	2.01		3.04		6.48		6.91	4.91		1.78		1.37
Ave.	2.04	1.41	1.70	4.82	4.76	7.33	8.22	5.91	3.47	2.14	1.55	1.40

**Nowshera**  
**Daily Gage Height, In Feet** **1978**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.34	2.13	1.25	3.60	5.71	7.80		7.60	5.11	3.79	2.06	2.11
2	1.32	2.06	1.90	3.39	5.52	7.10	10.83	8.41	5.05	3.56	2.21	2.09
3	1.34	1.78	1.86	3.11	5.53	7.19	10.79	9.92	4.64	3.59	2.19	2.06
4	1.37	1.76	1.58	3.36	5.69	8.08	10.90	10.52	4.38	3.30	2.60	1.88
5	1.52	1.86	1.68	3.74	6.62	9.01	10.78	9.70	4.24	3.04	2.72	1.81
6	1.78	1.69	2.47	3.36	7.41	9.72		9.33	4.03	3.08	2.66	1.96
7	2.02	1.88	2.65	3.22	7.03	9.89		8.80	3.97	3.13	3.20	1.99
8	2.11	1.49	2.20	3.51	6.72	9.85		8.20	3.97	2.92	3.03	1.84
9	1.98	1.22	1.98	4.07	6.66	9.70		8.03	4.03	2.80	2.79	1.89
10	1.85	1.21	3.56	4.69	6.83	9.47		8.32	4.06	2.84	2.82	1.79
11	1.97	1.17	3.61	5.10	7.13	8.64	12.54	8.92	4.06	2.79	2.71	1.70
12	1.83	1.08	3.07	5.42	6.97	8.12	10.36	9.40	4.09	2.68	2.64	1.69
13	1.95	0.90	2.77	5.39	6.75	8.30	9.39	9.09	3.89	2.52	2.51	1.61
14	1.99	1.04	2.82	5.62	6.81	8.73	9.92	8.48	3.89	2.42	2.55	1.60
15	2.29	1.09	2.88	6.22	6.71	8.75	9.27	7.42	4.19	2.30	2.56	1.60
16	2.04	1.09		6.42	6.84	8.69	8.77	7.15	4.55	2.30	2.53	1.62
17	2.05	0.95		6.49	6.94	8.01	8.49	7.00	4.19	2.31	2.50	1.62
18	1.92	0.93		8.67	6.99	7.30	8.31	6.94	3.78	2.21	2.44	1.70
19	1.96	0.93	5.76	7.64	7.31	7.78	8.62	7.90	3.61	2.19	2.41	1.78
20	1.96	0.93	4.92	7.02	6.94	7.20	8.57	9.32	3.48	2.12	2.28	1.88
21	1.92	0.77	4.68	6.28	7.02	7.72	8.89	9.41	3.37	2.08	2.48	1.89
22	1.92	0.82	4.55	6.08	7.00	8.20	9.57	8.42	3.10	2.04	2.38	1.81
23	1.92	0.68	4.11	5.88	7.29	8.68	9.19	7.59	3.02	1.95	2.39	1.76
24	2.10	0.75	3.65	5.52	7.36	8.82	9.33	7.05	4.30	1.91	2.54	1.74
25	2.06	0.80	3.52	5.35	7.56		9.03	6.62	4.41	2.09	2.30	1.73
26	2.12	0.81	3.62	5.34	7.68	9.10	8.85	6.58	4.11	1.98	2.28	1.71
27	2.04	0.85	3.60	5.31	8.20	9.49	9.15	6.42	4.05	1.99	2.10	1.70
28	1.96	1.22	3.80	5.49	7.70	10.07	9.12	6.38	4.30	1.99	2.22	1.67
29	2.06		4.06	6.11	7.73	10.62	8.40	6.51	4.38	1.98	2.20	1.69
30	2.15		4.00	6.27	8.28		8.35	6.25	4.06	1.91	2.14	1.70
31	1.97		3.65		8.19		8.63	6.04		2.07		1.68
Ave.	1.90	1.21	3.22	5.26	7.00	8.64	9.44	7.99	4.08	2.51	2.48	1.78

**Nowshera**  
**Daily Gage Height, In Feet** **1979**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
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27												
28												
29												
30												
31												
Ave.												

**Nowshera**  
**Daily Gage Height, in Feet**

Date	1980											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	2.32	2.42	2.42	4.42	6.71	8.62	8.13	7.50	4.84	2.32	2.72	2.30
2	2.43	2.33	2.31	4.77	6.83	8.76	7.70	6.75	4.93	2.25	2.75	2.25
3	2.30	2.74	2.27	5.41	7.15	8.42	7.27	8.11	4.50	2.18	2.78	2.00
4	2.30	3.00	2.07	4.91	7.37	7.83	7.56	9.63	4.30	2.14	2.45	2.06
5	2.11	2.83	2.30	4.52	7.51	7.71	8.52	8.06	4.48	2.06	2.36	2.00
6	2.12	2.49	4.41	4.52	7.52	7.46	8.75	7.60	4.02	2.03	2.44	2.01
7	2.09	2.31	3.60	5.07	7.32	7.35	8.29	7.36	6.78	2.02	2.34	2.06
8	1.89	2.21	3.08	5.11	7.66	8.22	7.75	7.32	3.53	1.98	2.46	1.98
9	1.98	2.20	2.86	5.31	7.35	8.76	7.73	8.34	3.50	1.92	2.24	1.95
10	1.79	2.44	2.78	5.27	7.44	8.90	7.48	7.27	3.71	1.92	2.10	1.87
11	2.02	2.12	2.62	5.14	7.13	9.14	7.67	6.83	4.00	2.08	2.04	1.84
12	2.07	1.92	3.09	5.19	6.99	9.11	7.68	6.51	4.61	2.31	2.08	2.08
13	1.51	2.07	2.97	5.20	6.71	9.68	8.06	6.27	4.30	2.70	2.15	2.11
14	2.11	1.69	2.84	5.00	6.98	9.46	8.19	6.22	4.06	2.31	2.34	2.07
15	2.30	2.15	2.59		7.26	8.87	9.13	6.27	3.80	2.13	2.25	2.01
16	1.89	2.82	3.07		7.82	8.26	8.11	6.11	3.64	1.97	2.07	2.08
17	2.15	2.45	3.09	6.64	6.86	7.93	7.67	6.06	3.47	1.88	2.01	1.67
18	2.17	2.23	3.32	6.77	6.41	7.62	7.47	5.66	3.27	1.81	1.92	1.40
19	2.02	2.17	3.78	6.22	6.89	8.03	7.92	5.35	3.06	1.68	1.85	1.52
20	2.47	2.55	3.60	7.31	6.56	8.27	7.70	5.03	3.10	1.71	1.94	1.65
21	2.42	2.22	3.66		6.63	8.42	7.06	4.59	3.12	1.82	2.09	1.67
22	2.11	2.33	3.95	6.77	6.16	8.86	6.76	4.39	2.85	1.70	2.30	1.95
23	1.90	2.29	4.29	6.46	5.33	9.10	6.73	4.23	2.75	1.46	2.19	1.92
24	2.28	2.48	4.22	5.94	5.10	9.17	6.99	4.38	2.66	1.54	2.17	1.80
25	2.31	2.38	4.65	5.91	5.39	9.48	6.84	4.56	3.13	1.46	2.19	1.83
26	2.28	2.40	4.35	6.10	6.75	9.71	6.92	4.56	2.84	1.55	1.96	1.33
27	2.80	2.36	3.96	6.25	6.03	10.30	7.20	4.75	2.77	1.36	2.20	1.42
28	2.65	2.41	3.74	6.75	8.92	9.29	7.07	4.67	2.61	1.69	2.69	1.42
29	2.56	2.64	3.98	6.64	7.48	9.00	6.83	4.84	2.70	1.61	2.42	1.62
30	2.47		4.59	6.41	7.91	8.39	6.84	4.34	2.50	1.81	2.32	1.86
31	2.77		4.55		8.41		7.98	4.65		2.18		2.15
Ave.	2.21	2.37	3.39	5.70	6.99	8.67	7.61	6.07	3.66	1.92	2.26	1.87

**Nowshera**  
**Daily Gage Height, in Feet**

Date	1981											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	2.30	2.39	2.29	5.18	8.14	9.32	10.21	8.08	3.91	2.77	2.07	2.01
2	2.24	2.19	2.37	4.89	7.69	8.94	10.27	2.24	3.76	2.55	1.90	1.93
3	2.00	2.18	2.29	5.33	7.75	8.12	9.85	6.72	3.73	2.63	2.06	1.96
4	2.26	2.43	1.94	6.69	8.38	7.71	9.79	6.56	3.73	2.30	2.04	2.16
5	2.08	2.91	1.79	5.84	9.71	7.47	9.28	6.60	3.77	2.24	1.90	1.81
6	2.55	2.81	2.18	5.26	10.42	7.60	8.95	6.83	3.72	2.11	2.01	1.89
7	2.38	2.38	3.33	5.00	9.98	8.07	8.12	7.27	3.60	2.03	2.08	2.08
8	2.32	2.11	3.06	4.67	9.35	8.40	8.03	7.61	3.41	1.93	1.92	2.27
9	2.28	1.99	2.65	4.51	8.96	8.40	8.37	7.67	3.23	1.96	1.74	2.33
10	2.26	1.92	2.16	4.74	8.84	7.86	8.29	7.45	3.06	1.81	1.99	2.26
11	2.38	1.94	2.25	5.21	8.40	7.09	7.58	7.57	2.84	1.87	1.95	2.09
12	2.23	2.34	2.26	5.60	8.21	7.00	7.81	7.52	2.63	1.86	1.90	2.06
13	1.97	2.11	2.44	5.64	8.35	6.64	7.57	7.44	2.62	1.82	1.94	1.94
14	1.88	2.34	2.17	6.03	8.63	6.38	8.31	7.29	2.54	1.83	1.92	1.83
15	2.05	3.05	2.42	6.64	8.89	6.44	8.35	7.00	2.53	1.83	2.05	1.84
16	1.84	2.57	2.50	8.23	8.42	6.56	9.05	6.84	2.57	1.94	2.18	2.01
17	1.89	2.02	2.95	7.76	8.15	6.45	9.49	6.52	2.54	2.38	2.03	1.82
18	2.06	1.85	3.05	7.40	8.39	6.77	9.25	6.14	2.72	2.61	2.03	1.71
19	2.12	1.85	3.21	6.92	8.68	7.38	9.20	5.76	2.94	2.47	1.96	1.73
20	1.93	1.92	3.84	7.43	8.96	7.88	8.38	5.64	3.06	2.30	1.90	1.84
21	2.04	1.90	6.08	8.01	8.87	8.05	7.96	5.78	2.97	2.30	2.12	1.83
22	1.55	1.92	6.05	9.04	7.75	8.14	8.01	5.67	2.96	2.19	1.93	1.98
23	1.98	1.79	4.70	7.36	7.70	7.79	8.71	5.50	3.06	2.17	1.73	1.82
24	1.82	1.65	4.23	7.08	8.13	8.02	11.46	5.05	3.06	1.95	1.88	1.73
25	2.50	2.17	4.04	7.12	8.37	8.36	11.48	4.80	3.54	1.98	1.93	1.75
26	2.15	2.92	4.07	7.21	8.99	8.71	10.47	4.69	3.85	1.86	2.10	1.74
27	2.17	2.75	4.25	7.42	9.45	9.12	9.45	5.09	3.24	1.78	2.11	1.64
28	2.21	2.27	4.26	7.33	9.51	9.40	9.06	5.18	3.00	2.09	2.34	1.67
29	2.23		4.59	7.50	9.35	9.60	8.90	4.98	3.10	2.12	2.27	1.71
30	2.15		5.83	8.30	9.20	9.99	9.19	4.87	2.97	2.31	2.06	1.80
31	2.25		5.94		9.48		8.90	4.21		2.12		1.67
Ave.	2.13	2.24	3.39	6.51	8.75	7.92	9.02	6.15	3.16	2.13	2.00	1.90

**Nowshera**  
**Daily Gage Height, in Feet**      **1982**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.63	2.21	1.28	3.51	4.84	5.46	5.96	7.04	3.20	1.64	1.19	2.26
2	1.78	2.17	1.65	3.59	5.22	5.20	5.77	7.50	3.02	1.62	1.17	2.30
3	1.84	1.93	1.83	3.40	6.15	4.93	5.32	8.05	2.92	1.47	1.21	2.45
4	1.82	1.66	1.69	3.19	5.87	4.76	5.15	7.86	2.44	1.39	1.22	2.19
5	1.83	1.93	2.28	2.97	5.77	4.97	4.85	7.59	3.00	1.35	1.26	2.11
6	2.09	1.66	2.73	2.88	6.11	5.35	4.79	7.61	2.80	1.33	1.25	1.92
7	2.11	1.74	2.76	2.83	6.40	5.78	4.70	7.73	2.74	1.27	1.28	1.85
8	1.97	1.66	2.36	2.78	6.81	6.17	4.56	8.77	3.00	1.33	1.35	1.73
9	1.95	1.68	2.30	2.52	6.90	6.36	4.59	8.15	2.87	1.14	1.30	2.17
10	1.81	1.65	2.51	2.64	7.30	6.18	4.51	8.80	2.71	1.31	1.18	2.49
11	2.18	1.72	2.75	3.03	7.03	6.34	4.62	9.21	2.54	1.33	1.23	2.61
12	2.01	1.90	2.65	3.47	6.36	6.49	4.76	8.51	2.45	1.38	1.23	2.46
13	2.05	1.72	2.41	3.31	5.51	6.63	4.85	7.97	2.38	1.47	1.23	2.11
14	2.39	1.75	2.18	3.34	5.06	6.93	4.90	7.44	2.20	1.37	1.20	2.34
15	2.25	1.84	2.01	3.77	4.60	7.07	4.79	7.16	2.17	1.37	1.52	2.70
16	2.11	1.67	1.91	3.85	4.39	6.83	4.66	7.03	2.19	1.16	3.83	2.26
17	1.94	1.84	2.64	4.89	3.83	6.64	4.67	7.17	2.08	1.26	3.07	2.18
18	1.86	2.04	2.90	5.09	3.76	6.92	4.74	7.12	2.08	1.34	2.69	2.19
19	1.84	1.61	2.55	4.44	4.13	6.43	4.92	6.76	2.04	1.24	2.47	2.39
20	1.76	1.91	2.42	4.08	4.20	5.94	5.06	6.50	2.37	1.18	2.52	2.07
21	1.77	2.19	2.58	3.91	4.08	6.05	5.41	6.49	2.18	1.11	2.31	2.11
22	2.00	2.24	3.12	4.22		6.09	5.66	6.13	2.25	1.25	2.52	1.89
23	2.02	2.03	3.60	4.74		6.11	5.66	5.69	2.37	1.29	2.28	1.91
24	2.01	1.66	3.17	5.08	6.15	5.76	6.06	5.52	2.16	1.25	2.15	1.91
25	2.09	1.83	2.90	5.56	6.95	5.50	6.72	5.42	2.22	1.13	2.33	1.81
26	2.11	1.67	2.71	5.51	6.36	5.41	6.59	5.04	1.89	1.24	2.41	1.80
27	2.03	1.33	2.61	5.47	6.24	5.57	6.60	4.70	1.66	1.73	2.32	1.87
28	1.94	1.14	2.40	5.37	6.84	5.69	6.47	3.83	1.83	1.43	2.27	1.69
29	1.86		2.51	4.82	6.02	5.86	6.53	3.68	1.73	1.32	2.13	1.62
30	1.91		2.55	4.71	6.10	5.79	6.85	3.62	1.65	1.19	2.20	1.55
31	2.22		3.33		5.60		6.93	3.40		1.25		1.60
Ave.	1.97	1.81	2.49	3.97	5.68	5.97	5.41	6.69	2.37	1.33	1.88	2.08

**Nowshera**  
**Daily Gage Height, in Feet**      **1983**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	1.31	2.42	2.30	3.16	8.34	7.90	9.34	8.78	6.57	2.70	1.56	1.88
2	1.72	2.13	3.42	3.22	7.74	7.90	9.86	10.52	7.91	2.83	1.53	1.91
3	2.41	1.88	3.19	3.38	7.20	7.74	10.37	11.15	8.98	2.82	1.58	2.19
4	2.20	1.98	2.96	3.35	7.34	7.49	10.22	10.57	7.49	2.75	1.80	2.02
5	1.80	2.08	2.55	3.78	7.29	7.18	9.71	10.15	6.95	2.63	1.62	1.89
6	1.74	1.92	2.36	3.85	7.37	7.10	8.60	11.10	6.73	2.49	2.01	1.83
7	1.89	1.84	2.23	3.96	7.56	7.15	7.98	11.09	6.37	2.41	1.38	1.76
8	1.83	1.82	2.14	4.61	7.73	7.21	7.39	10.50	6.08	2.32	1.78	1.73
9	2.28	1.64	2.50	5.47	7.99	7.15	6.70	9.81	5.90	2.35	1.89	1.85
10	2.22	1.68	3.21	5.34	8.83	7.17	7.11	9.55	5.76	2.41	1.68	1.85
11	1.75	1.68	3.46	5.11	9.69	7.30	7.19	9.16	5.83	2.40	1.67	1.81
12	1.64	1.54	3.12	5.23	10.04	7.32	7.01	8.75	5.54	2.26	1.85	1.91
13	1.99	1.27	2.85	5.85	9.20	7.54	6.90	8.75	5.33	2.33	1.83	1.97
14	2.28	1.25	2.70	5.62	9.19	7.65	6.66	7.94	5.26	2.48	1.85	1.98
15	2.02	1.77	2.52	5.29	8.92	8.36	6.38	7.80	4.94	2.34	1.82	1.95
16	2.18	2.17	2.45	5.54	8.84	9.04	6.45	7.44	4.57	2.40	1.83	1.69
17	1.83	1.77	2.56	6.39	9.14	8.88	6.54	7.01	4.41	2.26	1.70	1.77
18	1.83	1.64	2.50	6.40	9.55	8.79	6.49	6.77	4.21	2.12	1.81	1.77
19	1.83	1.59	2.64	5.78	10.00	8.34	6.45	7.71	4.06	2.30	1.63	2.10
20	1.80	1.54	3.46	5.66	10.29	7.99	6.64	8.27	3.68	1.90	1.48	2.21
21	2.08	1.52	3.31	5.76	10.32	7.78	6.43	8.02	3.42	1.87	1.54	2.29
22	1.96	1.35	3.06	6.00	10.11	8.01	6.64	7.54	3.21	2.04	1.78	2.23
23	1.90	1.13	2.58	6.37	9.66	8.20	7.75	7.26	3.03	1.92	1.94	2.15
24	1.94	1.57	2.42	6.47	8.85	8.25	8.36	7.01	2.96	1.85	1.98	2.48
25	1.87	1.53	2.94	6.37	8.39	8.41	8.56	7.36	2.83	1.76	2.10	2.11
26	1.96	2.19	4.25	6.37	7.80	8.62	8.78	9.96	2.62	1.79	2.11	2.48
27	1.96	1.73	4.14	7.61	7.86	9.10	8.62	9.94	2.47	1.72	1.67	2.23
28	2.39	1.92	3.69	8.99	8.10	9.28	8.50	9.22	2.37	1.65	1.77	1.94
29	2.57		3.39	8.90	8.51	9.21	8.65	8.00	2.47	1.63	1.75	1.74
30	2.42		3.36	8.63	8.02	8.78	9.24	7.23	2.38	1.60	1.99	2.34
31	2.61		3.16		7.66		8.31	7.01		1.86		2.22
Ave.	2.01	1.73	2.95	5.62	8.63	8.03	7.87	8.75	4.81	2.20	1.76	2.01



**Nowshera**  
**Daily Gage Height, in Feet**      **1984**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	2.03	2.26	1.94	4.25	5.07	9.42	9.38	7.38	7.38	2.20	1.78	2.30
2	2.29	2.66	1.67	5.97	4.78	10.00	8.58	7.08	7.98	2.17	1.73	2.25
3	2.51	1.94	1.55	6.99	4.86	10.61	8.31	7.31	7.85	2.18	1.75	2.26
4	2.54	1.44	1.54	5.73	5.04	11.05	8.13	7.40	6.98	2.01	1.72	2.23
5	2.29	1.93	1.50	4.79	5.28	11.17	8.06	7.47	6.59	2.09	2.06	2.15
6	2.36	2.30	1.61	5.05	5.66	10.54	7.62	8.48	6.48	2.08	1.71	2.14
7	2.23	2.05	1.56	4.68	5.86	10.62	7.43	7.75	6.73	2.08	1.81	2.16
8	2.15	1.98	1.50	4.12	5.86	10.14	7.96	7.52	6.59	2.00	1.95	2.12
9	1.99	2.46	2.00	4.65	6.21	9.99	7.40	10.40	5.92	1.85	1.80	2.21
10	2.14	2.44	1.50	4.13	6.49	10.38	6.96	9.54	5.31	1.72	1.91	2.37
11	2.17	2.56	1.58	3.84	6.02	10.13	6.92	8.23	4.83	1.89	2.05	2.28
12	2.17	2.18	1.69	3.67	6.58	10.01	7.14	8.01	4.56	2.04	1.96	2.13
13	2.23	1.82	1.79	3.66	6.76	9.80	6.70	8.20	4.37	2.01	1.90	2.14
14	2.33	2.18	1.94	3.76	6.25	9.42	6.60	8.16	4.49	2.17	1.94	2.22
15	2.35	2.32	1.50	4.23	6.32	9.49	6.55	7.92	4.51	2.05	1.91	1.93
16	2.38	2.39	1.59	4.42	6.06	9.62	7.21	8.72	4.08	2.00	1.96	1.66
17	2.37	2.06	2.84	4.33	5.69	9.77	7.46	9.70	3.84	1.86	2.12	1.84
18	2.28	2.48	3.80	4.42	5.57	9.79	7.80	8.45	3.54	1.79	2.33	1.88
19	2.68	2.59	4.67	4.36	5.49	9.65	8.00	8.20	3.70	1.75	2.40	2.00
20	2.42	2.62	4.12	4.32	5.75	8.68	7.66	8.27	4.23	1.55	2.23	1.94
21	2.36	2.79	3.56	5.23	5.81	8.22	8.03	8.09	3.82	1.44	2.26	2.01
22	2.30	2.32	3.40	5.19	5.55	7.79	7.76	8.28	3.36	1.68	2.18	2.11
23	2.20	2.51	3.11	4.52	5.69	7.93	7.39	9.54	3.25		2.55	1.94
24	2.08	2.46	3.44	4.20	6.01	7.88	7.37	8.37	3.06		2.63	1.91
25	2.11	2.28	3.92	4.70	6.02	8.52	7.44	7.93	3.00		2.44	2.00
26	2.18	2.35	4.64	5.64	6.45	8.96	7.32	7.72	2.85		2.40	1.94
27	2.01	2.28	4.26	5.73	7.04	9.12	7.43	8.34	2.69		2.35	2.00
28	1.82	2.05	3.69	5.98	7.38	9.84	7.28	8.52	2.53		2.28	1.94
29	1.77	1.96	3.84	5.98	7.35	10.33	6.92	7.73	2.47		2.18	1.86
30	1.74		3.81	5.37	8.11	9.48	7.31	7.06	2.35		2.18	2.07
31	1.94		4.14		8.96		7.18	6.96				1.99
Ave.	2.21	2.26	2.70	4.80	6.13	9.61	7.53	8.15	4.64	1.94	2.08	2.06

**Nowshera**  
**Daily Gage Height, in Feet**      **1985**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	2.28	2.38	0.92	2.61	4.08	5.29	5.86	8.81	3.94	2.74	1.28	1.22
2	2.24	2.24	0.96	2.47	4.35	5.53	5.71	9.56	3.77	2.57	1.21	1.26
3	2.23	2.33	1.02	2.57	4.08	5.90	5.22	8.38	3.52	2.49	1.23	1.14
4	2.20	2.32	0.91	2.62	3.48	5.90	4.78	8.86	3.46	2.40	1.25	1.15
5	2.08	2.25	0.96	3.29	3.34	5.94	4.56	8.34	3.56	2.70	1.13	1.17
6	2.28	2.37	0.88	3.48	3.58	6.07	4.93	8.61	3.35	3.39	1.14	1.19
7	2.28	2.19	0.81	3.71	3.79	6.26	5.55	7.97	3.75	3.10	1.23	1.18
8	9.97	2.12	0.78	4.28	3.87	6.18	6.03	7.88	3.70	2.76	1.23	1.64
9	2.23	1.87	0.85	5.43	5.14	5.72	6.46	7.42	3.60	2.30	1.24	2.10
10	2.36	1.70	0.93	4.66	5.67	6.10	6.41	6.69	3.49	2.90	1.27	1.82
11	2.37	1.56	0.96	4.02	4.93	6.24	6.38	6.41	3.73	3.08	1.23	1.51
12	2.42	1.51	0.90	3.64	4.47	6.12	6.54	6.15	3.32	2.60	1.38	1.45
13	2.32	1.60	1.87	3.31	4.12	5.87	7.53	6.08	3.35	2.33	1.27	1.28
14	2.23	1.33	0.82	3.38	3.95	5.62	7.61	6.09	3.37	2.11	1.28	1.34
15	2.40	1.25	0.95	3.55	3.70	5.71	7.42	5.97	3.50	1.88	1.26	1.34
16	2.15	1.20	0.77	3.33	3.78	5.72	7.99	5.85	3.37	2.00	1.21	1.41
17	2.13	1.15	0.77	3.31	4.07	5.31	8.33	5.49	3.29	1.86	1.23	1.60
18	2.28	1.16	0.73	3.33	4.07	5.19	8.08	5.31	3.30	1.64	1.25	1.47
19	2.82	1.17	0.59	3.60	4.22	5.18	8.87	5.11	3.45	1.61	1.20	1.24
20	2.79	1.24	0.61	3.34	4.43	5.34	10.42	5.40	3.54	1.55	1.15	1.39
21	2.60	1.25	0.69	3.33	4.94	5.36	8.00	5.44	3.34	1.52	1.17	1.35
22	2.73	1.23	0.63	3.54	4.85	5.23	7.32	5.22	3.29	1.47	1.25	1.39
23	2.70	1.05	0.64	3.37	5.02	4.99	7.14	5.19	3.32	1.42	1.23	1.48
24	2.75	1.17	0.74	3.37	5.77	5.01	7.13	5.05	3.39	1.75	1.28	1.44
25	2.67	1.12	0.53	3.54	6.14	5.19	8.30	5.09	3.42	0.98	1.40	1.84
26	2.60	0.97	0.89	3.71	5.39	5.25	8.88	5.18	3.48	1.28	1.37	2.66
27	2.12	1.06	1.96	3.81	5.02	5.38	8.43	5.01	3.37	1.48	1.24	3.26
28	2.72	0.97	3.52	3.84	5.01	5.50	8.35	4.74	3.27	1.43	1.39	2.88
29	2.60		3.24	4.24	5.34	5.80	8.06	4.38	3.12	1.35	1.25	2.68
30	2.05		2.95	4.17	5.66	5.76	7.84	3.99	2.80	1.22	1.23	2.50
31	2.49		2.67		5.58		8.06	4.06		1.29		2.40
Ave.	2.65	1.56	1.18	3.56	4.58	5.62	7.17	6.25	3.46	2.04	1.25	1.67

**Nowshera**  
**Daily Gage Height, in Feet**      **1986**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	2.43	1.78	1.13	3.80	5.65	5.99	9.45	7.08	4.01	2.84	1.78	2.69
2	2.36	1.80	1.14	3.45	6.14	5.63	9.10	7.72	3.42	2.82	1.63	2.65
3	2.32	1.78	1.07	3.31	7.09	5.24	8.90	8.03	3.78	2.90	1.84	2.65
4	2.21	1.82	1.13	3.19	6.77	5.18	9.11	9.51	3.80	2.77	1.84	2.71
5	2.19	1.73	1.13	3.11	6.31	5.23	9.56	11.54	4.26	2.82	1.83	2.81
6	2.04	1.63	1.07	3.27	6.28	5.09	10.09	10.12	4.37	2.83	1.72	2.68
7	2.00	1.74	1.03	3.46	6.72	5.21	10.55	10.19	4.08	2.73	1.80	2.64
8	2.09	1.69	1.16	3.79	7.40	5.36	11.01	8.61	3.72	2.70	1.87	2.61
9	2.00	1.44	1.00	3.97	7.74	5.38	11.10	8.93	3.52	2.64	1.86	2.45
10	1.98	1.34	1.13	4.36	7.50	5.69	10.53	8.55	3.42	2.63	1.94	2.27
11	1.86	1.29	2.14	4.71	7.28	6.24	9.61	8.24	3.38	2.54	1.90	3.39
12	1.80	1.28	3.15	5.71	7.08	7.70	9.34	7.91	3.41	2.48	1.94	4.00
13	1.83	1.56	3.48	6.68	7.38	7.52	8.47	7.61	3.39	2.62	1.93	3.46
14	1.86	2.48	4.15	6.05	7.37	7.12	8.19	7.54	3.25	2.64	2.00	3.35
15	1.89	2.32	4.37	5.83	7.21	7.02	7.86	6.86	3.28	2.53	2.24	3.30
16	1.79	1.84	3.77	5.49	7.12	7.17	7.70	6.69	3.10	2.45	2.77	2.75
17	1.69	1.70	3.35	5.24	7.02	7.35	8.07	6.40	2.87	2.47	2.61	2.83
18	1.71	2.31	3.81	5.12	7.52	7.49	8.47	6.45	2.71	2.44	2.29	2.87
19	1.79	2.73	3.69	5.17	6.84	7.84	9.76	6.42	2.67	2.35	2.10	2.91
20	1.79	2.29	3.29	5.27	6.08	8.16	9.02	6.58	2.65	2.38	2.11	3.11
21	1.76	2.22	3.25	5.50	5.44	8.40	8.76	6.75	2.79	2.27	2.01	2.91
22	1.78	2.13	3.40	5.74	5.06	8.83	9.00	6.47	2.85	2.23	2.05	3.00
23	1.65	2.05	3.61	6.19	4.94	9.63	8.38	6.58	2.81	2.10	2.20	2.87
24	2.19	1.83	3.26	6.29	5.03	10.21	8.61	5.69	2.75	1.98	2.14	2.77
25	2.17	1.69	2.95	7.42	5.37	10.58	7.66	5.32	2.76	1.92	2.26	2.77
26	2.14	1.59	2.85	10.31	5.94	10.65	6.98	5.33	2.69	1.86	2.80	2.60
27	2.13	1.50	2.99	9.19	6.25	10.37	6.78	5.55	2.95	1.76	3.47	2.61
28	1.96	1.31	4.54	7.16	6.04	9.96	7.94	5.12	3.00	1.80	3.12	2.60
29	1.78		5.20	6.27	6.19	9.58	8.04	4.72	3.17	1.74	2.91	2.71
30	1.80		4.79	5.86	6.26	9.59	7.37	4.44	2.90	1.71	2.71	2.50
31	1.71		3.68		6.27		7.03	4.20		1.79		2.39
Ave.	1.96	1.82	2.80	5.36	6.49	7.51	8.79	7.13	3.26	2.38	2.19	2.83

**Nowshera**  
**Daily Gage Height, in Feet**      **1987**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	2.65	2.05	2.66	5.55	7.10	8.25	8.35	6.85	6.11	2.67	2.61	1.66
2	2.76	2.12	2.54	5.46	6.49	8.20	8.32	6.40	5.70	2.62	2.45	1.81
3	2.66	2.10	2.60	5.99	5.89	8.65	8.33	5.98	5.48	2.80	2.31	2.00
4	2.71	2.14	2.59	6.40	5.71	10.93	8.35	5.98	5.39	2.67	2.13	1.91
5	2.58	1.92	2.72	5.58	5.80	9.84	8.63	5.90	5.24	2.50	2.06	1.76
6	2.51	1.71	4.35	5.16	5.80	8.72	8.83	5.68	5.07	2.40	2.07	1.80
7	2.38	1.79	4.42	5.09	5.87	8.90	8.83	5.60	4.98	2.31	2.01	1.79
8	2.36	1.84	4.25	5.09	6.25	9.03	9.10	5.55	4.90	2.30	1.99	1.70
9	2.32	2.09	3.88	5.90	6.39	9.07	9.20	5.60	5.04	2.21	1.96	1.70
10	2.33	2.15	3.64	6.00	6.10	9.77	9.10	5.57	5.42		1.95	1.70
11	2.33	2.05	3.33	5.25	5.55	9.39	8.70	5.64	5.20		1.89	1.61
12	2.25	1.80	3.32	4.92	5.31	8.89	8.73	5.71	4.61	5.80	1.88	1.62
13	2.18	1.85	3.39	4.62	5.22	8.72	8.80	5.83	4.36	4.80	1.86	1.51
14	2.28	1.74	4.00	4.32	5.10	8.39	8.14	5.83	4.09	4.15	1.81	1.50
15	2.25	1.68	4.15	4.30	4.78	7.64	7.52	6.25	4.12	3.69	1.87	1.53
16	2.26	1.67	4.41	4.35	4.96	8.03	6.96	5.94	4.27	3.47	1.80	1.53
17	2.22	1.72	5.20	4.31	5.05	7.64	7.00	5.99	4.30	3.38	1.79	1.51
18	2.30	1.99	4.83	4.32	5.17	7.11	7.12	5.99	4.27	3.27	1.80	1.52
19	2.25	2.24	4.30	4.66	5.77	7.01	6.87	5.98	4.15	3.18	1.70	1.41
20	2.26	1.97	4.40	4.67	6.11	7.00	6.89	5.58	3.97	3.06	1.71	1.18
21	2.12	1.69	4.93	5.39	6.47	7.21	6.99	5.47	3.97	2.94	1.84	1.24
22	2.20	1.57	6.40	7.09	6.80	7.21	6.82	5.71	4.30	2.84	2.00	1.40
23	2.08	1.59	6.59	8.50	7.60	6.58	7.12	5.97	3.86	2.69	1.99	1.40
24	2.09	2.35	5.93	7.80	7.22	6.35	7.48	6.26	3.60	2.62	1.72	1.42
25	2.10	3.47	5.37	6.73	6.80	6.65	8.30	6.34	3.40	2.58	1.72	1.45
26	2.12	3.18	5.71	6.02	6.81	7.15	8.90	6.45	3.37	2.50	1.70	1.40
27	2.10	2.94	5.80	6.18	6.90	7.46	9.39	6.25	3.30	2.43	1.67	1.45
28	2.17	2.85	5.38	6.48	7.40	7.57	9.96	6.26	3.17	2.37	1.65	1.40
29	2.44		5.35	6.96	7.88	7.92	8.30	6.54	3.00		1.65	1.48
30	2.12		5.39	7.65	8.25	8.10	7.20	6.31	2.77	3.39	1.64	1.61
31	2.18		5.67		8.35		7.15	6.20		2.90		1.66
Ave.	2.31	2.08	4.44	5.69	6.29	8.11	8.11	5.99	4.38	3.02	1.91	1.57

# **Munda Head Works**



**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

Date	1986											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

Ave.

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

Date	1987											
	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	6.50	6.15	8.60	10.80	11.50	12.05		12.40	10.00	9.50		8.90
2	6.50	6.20	8.60	10.95	11.55	12.10		11.40	10.00	9.45		8.88
3	6.50	6.65	8.60	10.70	11.40	12.45		11.40	10.00	9.45		8.60
4	6.50	7.03	8.60	10.73	11.40	12.43		10.95	10.00	9.43		8.60
5	6.50	7.20	8.60	10.85	11.40	12.23		10.95	9.95	9.40		8.60
6	6.50	7.55	8.60	10.70	10.95	12.15		10.95	9.93	9.40		8.60
7	6.50	8.05	8.60	11.05	10.95	12.40		10.95	9.90	9.40		8.60
8	6.48	8.70	8.73	10.95	11.08	12.23		10.95	9.90	9.40		8.55
9	6.45	8.70	8.95	10.93	11.45	12.15		11.40	9.90	9.40		8.50
10	6.45	8.75	9.23	10.88	11.25	12.15		11.40	9.90	9.38		8.50
11	6.45	8.80	9.20	11.03	11.20	12.35		11.40	9.85	9.33		8.53
12	6.45	8.80	9.20	10.93	11.45	12.20		11.40	9.85	9.35		8.60
13	6.43	8.80	9.33	10.90	11.25	12.15		11.40	9.83	9.38		8.60
14	6.40	8.75	9.30	10.90	11.43	12.45		11.40	9.80	9.50		8.60
15	6.40	8.80	9.28	10.83	12.45	12.60		11.40	9.80	9.63		8.58
16	6.40	8.85	9.13	10.88	12.30	12.55		11.40	9.80	9.70		8.55
17	6.40	8.90	9.18	10.95	12.20	12.65		11.40	9.78	9.75		8.53
18	6.38	10.05	9.45	11.00	11.50	12.35		11.40	9.70	9.80		8.50
19	6.30	9.55	9.50	11.00	11.15	12.30		11.40	9.70	9.80		8.50
20	6.30	9.00	9.50	11.03	11.10	12.35		11.40	9.70	9.85		8.50
21	6.30	8.90	9.48	10.85	11.58	12.20		10.95	9.70	9.90		8.50
22	6.30	8.83	9.40	11.05	11.55	12.20		10.95	9.68	9.90		8.45
23	6.30	8.80	9.40	13.40	11.45	12.50		10.95	9.60	9.93		8.45
24	6.30	8.75	9.45	11.45	11.50	12.55		11.40	9.60	9.98		8.40
25	6.28	8.73	9.63	11.23	12.20	12.70		11.40	9.60	10.08		8.40
26	6.25	8.70	9.70	11.40	12.35	12.40		11.40	9.60	10.15		8.40
27	6.20	8.70	9.70	11.40	12.15	12.60		11.40	9.60	9.90		8.40
28	6.20	8.60	9.63	11.53	12.45	12.80		11.40	9.58	9.90		8.40
29	6.20		9.70	11.40	12.30	12.75		10.95	9.50	10.33		8.40
30	6.15		9.73	11.58	12.65	12.45		11.40	9.50	9.75		8.40
31	6.15		9.70		12.50			12.40		9.53		8.40

Ave.

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1988**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	6.60	6.40	9.10	9.50	10.10	10.95	12.40	14.70	11.40	10.10	8.90	8.30
2	6.60	6.40	9.10	9.50	10.10	10.95	12.40	14.10	11.40	10.10	8.90	8.30
3	6.60	6.40	9.10	9.50	10.10	10.95	12.40	13.80	12.40	10.10	8.90	8.30
4	6.60	6.40	9.13	9.50	10.10	10.95	12.40	12.60	11.40	10.10	8.90	8.30
5	6.58	6.40	9.20	9.50	10.10	10.95	12.40	12.40	10.95	10.10	8.90	8.30
6	6.55	6.40	9.20	9.50	10.53	10.95	12.40	11.40	10.95	10.10	8.75	8.30
7	6.55	6.40	9.20	9.50	10.95	11.18	13.60	11.40	10.95	10.10	8.60	8.30
8	6.55	6.35	9.20	9.50	10.95	11.40	12.40	11.40	10.10	10.10	8.60	8.35
9	6.50	6.35	9.20	9.50	10.95	11.40	12.40	13.80	10.10	9.50	8.55	8.40
10	6.50	6.35	9.18	10.10	10.95	11.40	11.40	12.50	10.95	9.50	8.50	8.40
11	6.50	6.33	9.10	10.10	10.95	11.40	11.40	11.40	10.10	9.50	8.50	8.40
12	6.50	8.50	9.10	10.10	10.95	11.18	11.40	11.40	10.10	9.80	8.50	8.40
13	6.50	8.50	9.10	10.10	10.95	10.95	11.40	12.40	10.10	10.10	8.40	8.40
14	6.50	8.60	9.10	10.10	11.18	10.95	12.60	12.40	10.10	9.80	8.40	8.40
15	6.45	8.60	9.13	10.10	11.40	11.18	17.00	11.18	10.10	9.50	8.40	8.40
16	6.45	8.60	9.20	10.10	11.40	11.40	14.40	12.60	10.95	9.50	8.40	8.50
17	6.40	8.60	9.20	9.50	11.40	11.40	12.60	12.40	10.10	9.50	8.35	8.50
18	6.40	8.65	9.20	9.50	11.40	11.40	12.40	12.40	10.95	9.50	8.30	8.50
19	6.40	8.70	9.20	9.80	11.40	11.90	12.40	12.40	10.95	9.50	8.30	8.60
20	6.40	8.80	9.20	10.10	11.40	12.40	12.40	12.40	10.95	9.50	8.30	8.60
21	6.40	8.80	9.20	10.10	11.18	12.40	11.40	11.40	10.95	9.50	8.35	8.60
22	6.40	8.83	9.23	10.10	10.95	11.90	12.60	11.40	10.95	9.25	8.40	8.60
23	6.40	8.90	9.30	10.10	10.95	11.40	16.65	11.40	10.95	9.00	8.40	8.60
24	6.38	8.95	9.35	10.53	11.18	11.40	15.05	11.90	10.10	9.00	8.40	8.50
25	6.38	9.00	9.53	10.95	11.40	11.40	12.60	12.40	10.10	9.00	8.35	8.50
26	6.50	9.03	9.75	10.95	11.40	11.90	12.40	13.30	10.10	9.00	8.30	8.50
27	6.50	9.10	9.80	10.95	12.40	12.40	11.40	14.70	10.10	9.00	8.30	8.45
28	6.50	9.10	9.80	10.95	12.40	12.40	11.40	13.10	10.10	9.00	8.30	8.40
29	6.45	9.10	9.80	10.95	12.40	12.40	11.40	12.40	10.95	9.00	8.30	8.40
30	6.45		9.88	10.95	12.40	12.40	11.40	11.40	10.95	9.00	8.30	8.40
31	6.45		9.90		12.40		13.80	11.40		9.00		8.40
Ave.	0.06	0.08	0.09	0.10	0.11	0.12	0.13	0.12	0.11	0.10	0.08	0.08

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1989**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	6.60	6.40	8.30	8.90	10.10	10.95	12.40	14.10	10.95	10.10	9.00	8.40
2	6.60	6.40	8.30	8.90	10.10	10.95	12.40	12.50	10.95	10.10	9.00	8.40
3	6.60	6.40	8.30	8.90	10.10	10.95	12.20	10.95	10.95	10.10	9.00	8.40
4	6.60	6.40	8.35	8.95	10.10	10.95	11.40	10.95	10.95	10.10	9.00	8.40
5	6.60	6.40	8.40	9.00	10.10	10.53	12.40	11.40	10.95	10.10	9.00	8.40
6	6.60	6.40	8.40	9.00	10.53	10.10	12.20	11.40	10.95	10.10	9.00	8.40
7	6.60	6.40	8.40	9.00	10.95	10.10	11.40	11.40	10.95	9.50	9.00	8.40
8	6.60	6.60	8.40	9.00	10.95	10.10	11.40	12.20	10.95	9.50	9.00	8.40
9	6.60	6.60	8.40	9.00	10.95	10.10	11.40	10.95	10.95	9.50	9.00	8.40
10	6.60	6.60	8.50	9.00	10.95	10.95	11.40	11.40	10.95	9.50	9.00	8.40
11	6.60	6.60	8.50	9.00	10.95	10.95	12.20	11.40	10.95	9.50	8.90	8.40
12	6.60	6.60	8.50	9.00	10.95	10.95	12.40	11.18	11.40	9.50	8.90	8.30
13	6.60	6.70	8.50	9.00	10.95	10.95	12.40	10.95	10.95	10.10	8.90	8.30
14	6.60	6.70	8.50	9.00	10.95	10.95	12.40	11.90	10.95	10.10	8.90	8.30
15	6.60	6.70	8.50	9.00	10.95	10.95	11.40	11.40	10.95	10.10	8.90	8.30
16	6.70	6.70	8.50	9.00	11.40	11.40	12.40	11.40	10.95	10.10	8.90	8.30
17	6.70	6.70	8.50	9.00	11.40	11.40	12.40	11.40	10.95	9.50	8.60	8.30
18	6.70	7.00	8.50	9.10	11.40	11.40	12.40	11.40	10.95	9.50	8.60	8.30
19	6.60	7.00	8.50	9.10	11.40	11.40	12.20	11.40	10.95	9.50	8.60	8.30
20	6.60	7.00	8.60	9.10	11.40	11.40	11.40	11.18	10.95	9.50	8.60	8.30
21	6.60	7.00	8.60	9.10	11.40	11.40	11.40	10.95	10.10	9.50	8.60	8.30
22	6.60	7.00	8.60	9.10	11.40	11.40	11.40	10.95	10.95	9.50	8.60	8.30
23	6.60	7.00	8.60	9.05	11.18	10.95	12.40	10.95	11.40	9.50	8.60	8.30
24	6.60	7.00	8.60	9.00	10.95	10.95	12.40	9.00	12.40	9.00	8.40	8.30
25	6.60	7.00	8.60	9.00	10.95	10.95	12.40	9.00	11.40	9.00	8.40	8.30
26	6.40	7.00	8.60	9.05	10.95	10.95	12.40	9.00	10.95	9.00	8.40	8.30
27	6.40	7.00	8.80	9.10	11.18	11.40	12.40	9.50	10.95	9.00	8.40	8.30
28	6.40	7.00	8.90	9.10	11.40	11.40	12.20	11.40	10.95	9.00	8.40	8.30
29	6.40		8.90	9.10	11.40	11.40	12.40	11.40	12.20	9.00	8.40	8.30
30	6.40		8.90	9.10	11.40	11.40	14.10	10.95	10.95	9.00	8.40	8.30
31	6.40		8.90		11.40		16.05	10.95		9.00		8.30
Ave.	0.07	0.07	0.09	0.09	0.11	0.11	0.12	0.11	0.11	0.10	0.09	0.08

**MUNDA HEAD WORKS**

**Daily Gage Height, in Feet**

**1990**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	7.00	8.50	8.50		9.50	10.50	10.00	9.00	9.00	9.00	8.50
2	7.00	7.00	8.00	8.50		9.50	10.50	11.75	9.00	9.00	9.00	8.50
3	7.00	7.00	8.00	8.50		9.50	10.00	10.50	9.00	9.00	9.00	8.50
4	7.00	7.00	7.50	8.50		9.00	10.00	10.00	9.00	9.00	9.00	8.50
5	7.00	7.05	7.50	8.50		10.00	9.50	11.50	10.25	9.00	9.00	8.50
6	7.00	7.10	8.00	8.00		10.00	9.50	10.50	9.50	9.00	9.00	8.50
7	7.00	7.10	8.00	10.50		10.00	9.50	10.00	9.50	8.50	9.00	8.20
8	7.00	7.10	8.00	10.00		10.00	9.50	10.00	9.50	8.50	9.00	8.20
9	7.00	7.10	7.50	9.50		10.00	9.50	9.75	9.00	8.50	9.00	8.20
10	7.10	7.10	7.50	9.00		10.00	9.00	10.00	9.00	8.50	9.00	8.20
11	7.10	7.20	8.00	8.50		10.00	9.50	10.00	9.00	8.50	9.00	8.20
12	7.10	7.20	8.00	8.50		10.00	9.50	10.00	9.00	8.50	9.00	8.20
13	7.10	7.20	8.00	8.50		10.00	9.50	10.00	9.00	8.50	8.80	8.20
14	7.10	7.20	8.00	8.50		10.00	9.50	10.50	9.00	8.50	8.80	8.20
15	7.10	7.25	8.00	8.50		10.00	10.00	10.00	9.00	8.50	8.80	8.00
16	7.10	7.30	8.00	8.50		10.00	10.00	9.50	9.00	8.50	8.80	8.50
17	7.10	7.30	9.00	8.50		10.00	10.00	9.00	9.00	7.00	8.70	8.50
18	7.10	7.30	8.00	8.50		10.00	9.75	8.50	9.00	7.00	8.70	8.50
19	7.20	7.30	8.00	8.50		10.00	9.25	8.50	8.50	9.00	8.60	8.50
20	7.20	7.30	12.00	8.50		10.50	10.00	9.25	8.50	8.50	8.50	8.50
21	7.20	8.00	14.75	8.50		10.50	10.00	9.25	8.50	8.50	8.50	8.50
22	7.20	8.00	11.75	8.50		10.50	10.00	9.50	8.50	9.00	8.50	8.20
23	7.30	8.00	10.25	8.50		10.50	10.00	9.00	0.09	9.00	8.50	8.20
24	7.30	8.05	9.50	8.50		10.50	10.00	9.00	8.50	9.00	8.50	8.20
25	7.30	8.05	9.00	8.50		12.25	9.50	9.00	9.00	9.00	8.50	8.20
26	7.30	8.00	8.50	8.50		11.75	9.50	9.00	9.00	9.00	8.50	8.00
27	7.30	8.00	8.50	8.50		10.50	10.00	9.00	9.00	9.00	8.50	8.00
28	7.30	8.00	8.50	9.00		10.50	9.50	9.00	9.00	9.00	8.50	8.50
29	7.30		8.50	8.50		10.50	10.00	9.00	9.00	8.50	8.50	9.00
30	7.30		8.50	8.50		10.50	10.00	9.50	9.00	8.50	8.50	9.00
31	7.30		8.50	8.50			10.00	9.50		8.50		8.50
Ave.	0.07	0.07	0.09	0.09		0.10	0.10	0.10	0.09	0.09	0.09	0.08

**MUNDA HEAD WORKS**

**Daily Gage Height, in Feet**

**1991**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	6.70	6.60	9.90	9.50	10.50	10.00	11.00	11.00	9.00	9.50	8.50	7.00
2	6.70	6.60	9.80	9.63	10.50	10.00	11.00	11.00	9.00	9.50	8.50	7.00
3	6.70	6.70	10.13	10.10	10.00	10.00	11.50	11.00	9.00	9.40	8.50	7.00
4	6.70	6.70	12.13	12.95	9.50	10.00	11.50	11.00	9.00	9.40	8.50	7.00
5	6.70	6.60	10.80	10.70	9.50	10.00	12.00	10.50	9.00	9.40	8.50	7.00
6	6.70	6.60	10.00	10.40	9.50	10.00	11.50	10.50	9.00	9.00	8.50	7.00
7	6.70	6.60	9.83	10.05	9.50	11.00	11.00	10.50	8.50	9.00	8.50	7.00
8	6.70	6.60	9.78	13.80	9.50	12.00	11.00	10.50	8.50	9.00	8.50	7.00
9	6.68	6.55	9.80	10.53	10.50	11.50	11.00	10.50	8.50	9.00	8.50	7.00
10	6.65	6.50	10.05	10.10	10.75	11.50	10.50	10.00	8.50	9.00	8.50	7.00
11	6.65	6.50	9.73	10.50	10.50	12.00	11.00	10.00	8.50	9.00	8.50	7.00
12	6.60	6.50	9.60	10.13	9.50	11.00	11.00	10.00	8.50	9.00	8.50	7.00
13	6.60	6.50	9.60	11.30	9.50	11.00	13.25	10.00	9.00	9.00	8.00	7.00
14	6.60	6.50	9.63	11.08	9.50	11.50	14.00	10.00	9.00	9.00	8.00	7.00
15	6.60	6.53	9.45	11.13	11.00	11.00	12.75	10.00	8.50	9.00	8.00	7.00
16	6.63	6.58	9.60		10.00	11.75	11.50	10.00	8.50	9.00	8.00	7.00
17	6.65	6.60	10.10	10.30	10.00	11.50	11.50	9.50	10.50	9.00	8.00	7.00
18	6.65	6.63	10.23	10.10	10.50	11.75	11.50	9.50	9.50	9.00	8.00	7.00
19	6.60	6.80	10.03	10.23	10.50	11.50	11.50	9.50	9.00	9.00	8.00	7.00
20	6.60	6.80	10.35	10.40	10.50	11.50	11.00	10.00	9.00	9.00	8.00	7.00
21	6.60	6.80	9.00	10.03	13.50	11.00	11.00	10.00	9.00	9.00	8.00	7.00
22	6.60	6.80	10.03	10.00	11.00	11.00	11.00	9.50	9.00	8.50	8.00	7.50
23	6.60	6.90	9.55	10.20	10.50	11.00	11.50	9.50	8.50	8.50	8.00	7.50
24	6.60	6.90	9.00	10.13	10.50	11.50	11.00	9.50	8.50	8.50	8.00	7.50
25	6.65	6.90	9.00	10.18	10.50	11.50	11.00	9.50	8.50	8.50	7.90	7.50
26	6.70	7.03	9.00	10.30	10.00	11.00	11.00	9.50	8.50	8.50	7.90	7.50
27	6.70	7.10	9.53	10.23	10.00	11.00	11.00	9.50	8.50	8.50	7.90	7.50
28	11.20	7.10	9.50	10.03	9.50	11.50	11.00	9.50	8.00	8.50	7.90	7.50
29	9.88		10.00	10.40	9.50	10.50	10.50	9.50	9.00	8.50	7.90	7.50
30	9.45		10.00	10.30	9.50	11.25	10.50	10.00	9.00	8.50	7.90	7.50
31	8.85		10.00		9.50		10.50	9.00		8.50		7.50
Ave.	0.07	0.07	0.10	0.11	0.10	0.11	0.11	0.10	0.09	0.09	0.08	0.07

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1992**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	10.00	8.50	10.00	9.90	11.43	11.50	11.00	9.50	9.00	9.30	9.30
2	7.00	9.00	8.50	10.00	9.90	11.10	11.50	11.00	9.50	9.00	9.30	9.30
3	7.00	9.00	8.50	10.13	10.00	11.60	11.50	10.75	10.00	9.00	9.30	9.30
4	7.00	9.00	8.00	10.30	10.60	11.85	11.50	11.50	10.00	9.00	9.30	9.30
5	7.00	9.00	8.00	10.03	10.30	11.68	11.50	11.00	10.00	9.00	9.30	9.30
6	7.00	9.00	8.00	10.45	10.03	11.30	11.50	10.50	9.50	9.00	9.40	9.20
7	7.00	9.00	8.00	10.20	10.20	11.20	11.50	12.25	9.50	9.00	9.40	9.20
8	7.00	9.00	8.00	10.70	10.05	11.80	11.50	13.00	9.50	9.50	9.40	9.20
9	7.00	9.00	8.00	10.30	10.40	12.10	11.50	10.50	9.50	9.50	9.40	9.20
10	7.00	9.00	8.00	10.03	11.20	11.70	11.50	10.50	15.00	9.50	9.30	9.20
11	7.00	9.00	8.00	10.53	12.55	11.05	11.50	10.00	11.50	9.40	9.30	9.30
12	7.00	8.50	11.60	10.30	12.63	0.00	11.50	10.00	10.00	9.40	9.30	9.40
13	7.00	8.50	9.90	10.00	12.23	0.00	11.50	9.50	10.00	9.40	9.20	9.40
14	7.00	8.50	9.75	9.50	12.90	12.00	12.75	9.50	9.00	9.30	9.20	9.25
15	7.00	8.00	9.98	9.50	12.73	11.55	12.00	9.50	9.00	9.30	9.20	9.05
16	7.00	8.00	10.15	9.50	12.45	12.20	11.50	10.00	9.00	9.30	9.20	8.90
17	7.00	8.00	10.23	9.50	12.03	12.80	11.50	10.50	9.50	9.30	9.25	8.80
18	7.00	8.00	10.05	9.50	11.50	12.23	11.00	12.75	9.00	9.75	9.30	8.80
19	7.00	8.00	11.10	10.50	11.13	12.60	11.00	12.50	9.00	9.50	9.30	8.80
20	7.00	7.50	10.45	10.00	11.40	13.00	11.00	11.25	9.00	9.50	9.40	8.70
21	7.00	7.50	10.15	10.00	11.70	12.83	10.50	10.75	9.00	9.50	9.40	8.60
22	7.00	7.00	11.40	12.30	12.20	13.00	10.50	9.50	9.00	9.30	9.50	8.60
23	7.00	6.60	11.05	11.13	11.50	13.98	11.00	9.50	9.00	9.30	9.50	8.60
24	7.00	6.60	10.58	10.65	11.20	13.15	11.75	9.50	9.00	9.30	9.50	8.60
25	7.00	7.00	10.03	10.00	11.48	12.63	11.00	9.50	9.00	9.30	9.40	8.70
26	7.00	8.50	10.00	10.00	11.35	13.25	11.25	9.50	9.00	9.30	9.40	8.70
27	7.00	8.50	10.05	10.18	11.75	13.40	11.00	9.50	9.00	9.30	9.40	8.70
28	8.50	8.50	11.68	10.00	11.55	12.80	10.50	9.50	9.00	9.30	9.30	8.80
29	8.50	9.00	10.83	10.00	11.28	12.30	11.50	9.00	9.00	9.30	9.30	8.90
30	12.75		10.43	10.00	11.75	13.20	11.00	9.00	9.00	9.30	9.30	8.90
31	11.00		10.28		11.65		13.00	9.00		9.30		8.90
Ave.	0.07	0.08	0.10	0.10	0.11	0.11	0.11	0.10	0.10	0.09	0.09	0.09

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1993**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	8.00	7.10	8.80	8.50	10.00	9.50	9.00	9.50	10.00	9.00	7.78	8.30
2	8.00	7.10	8.95	8.50	10.00	9.50	9.00	9.50	10.00	9.00	7.70	8.30
3	7.85	7.08	8.73	8.50	10.00	9.50	9.00	9.50	10.00	9.00	7.60	8.30
4	7.60	7.00	8.60	9.00	10.00	9.50	9.50	9.50	10.00	9.00	7.53	8.30
5	7.50	7.00	8.60	9.00	9.50	9.50	9.50	10.00	10.00	9.00	7.38	8.28
6	7.40	7.00	8.55	9.00	9.50	9.50	9.50	10.00	10.00	9.00	7.30	8.20
7	7.40	7.05	8.50	9.00	9.80	9.50	9.50	10.00	9.00	9.00	7.30	8.20
8	7.40	7.10	8.50	9.00	9.80	9.50	11.25	10.00	9.00	9.00	7.30	8.20
9	7.45	7.10	8.83	9.00	10.50	9.50	10.00	10.00	9.50	9.00	7.30	8.20
10	7.45	7.10	8.50	9.00	10.50	9.50	12.00	9.00	9.50	9.00	7.30	8.10
11	7.40	7.30	9.50	9.00	9.50	9.50	10.50	10.00	9.50	9.00	7.20	8.10
12	7.40	7.30	14.50	9.50	9.00	9.50	9.50	10.00	9.50	9.00	7.20	8.08
13	7.40	9.00	11.55	9.00	8.50	9.50	9.50	10.00	9.50	9.00	7.20	8.00
14	7.38	9.05	10.00	9.00	8.50	10.00	9.30	10.00	9.50	9.00	7.20	8.00
15	7.30	8.95	9.73	10.90	8.50	10.00	9.00	9.50	9.50	9.00	7.20	8.00
16	7.30	7.60	8.95	12.00	8.50	10.00	9.00	9.50	9.50	9.00	7.20	8.00
17	7.30	7.65	8.50	10.50	9.00	9.50	9.00	9.50	9.50	9.00	7.20	8.00
18	7.20	8.03	8.00	9.50	9.00	9.50	9.00	9.50	9.50	9.00	7.15	8.00
19	7.20	8.15	8.00	9.00	8.50	9.50	9.00	9.50	9.50	9.00	7.15	7.95
20	7.20	8.20	7.50	9.00	9.50	9.50	9.00	9.50	9.50	8.50	7.15	7.95
21	7.15	8.28	7.50	9.00	9.50	9.50	9.00	9.50	9.50	8.50	7.15	7.95
22	7.10	8.30	7.50	9.00	9.00	9.50	12.75	9.50	9.50	8.50	7.10	7.95
23	7.10	8.30	9.00	9.50	9.00	9.50	11.75	9.50	9.50	8.50	7.10	7.90
24	7.10	8.30	10.00	9.50	9.00	11.00	11.00	9.50	9.50	8.30	7.10	7.90
25	7.10	8.18	0.00	9.80	9.00	9.50	11.00	9.00	9.50	8.30	7.10	7.90
26	7.10	8.10	0.00	10.00	9.80	9.50	10.50	10.00	9.50	8.30	7.08	7.90
27	7.10	8.10	9.00	10.00	9.80	9.00	10.00	10.00	9.50	8.00	7.00	7.90
28	7.10	8.10	8.00	10.50	10.00	9.00	9.00	9.50	9.50	8.00	7.00	7.90
29	7.10		8.00	10.50	10.00	9.00	9.00	10.00	9.50	7.90	7.00	7.90
30	7.10		8.00	10.50	9.50	9.00	9.50	10.00	9.50	7.90	7.00	7.90
31	7.10		8.00		9.50		9.50	10.00		7.90		7.90
Ave.	0.07	0.08	0.08	0.09	0.09	0.10	0.10	0.10	0.10	0.09	0.07	0.08



**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1994**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	7.10	7.20	9.50	11.00	11.00	10.50	9.00	8.50	8.50	8.00	7.00
2	6.95	7.10	7.20	9.50	11.00	11.00	12.75	9.00	8.50	8.50	8.00	7.00
3	6.83	7.13	7.30	9.50	11.50	11.00	12.00	9.00	8.50	8.50	8.00	7.00
4	6.70	7.20	7.30	9.50	12.00	11.00	12.50	9.50	8.50	8.50	8.00	7.00
5	6.68	7.20	7.33	11.75	12.00	11.00	10.50	9.50	8.50	8.50	8.00	7.00
6	6.60	7.23	7.50	15.00	11.50	11.00	10.50	9.50	8.50	9.00	8.00	7.50
7	6.60	7.30	7.53	11.00	11.00	11.00	10.50	9.00	8.50	8.50	8.50	8.00
8	6.60	7.30	7.40	10.00	11.00	12.00	10.50	10.00	8.50	8.50	8.50	8.00
9	6.55	7.30	7.40	9.50	11.00	12.00	10.50	10.00	8.50	8.50	8.50	8.00
10	6.43	7.30	7.43	9.00	11.00	12.00	10.50	9.50	8.50	8.50	8.50	8.00
11	6.40	7.30	7.53	8.50	11.00	11.00	12.00	11.75	8.50	8.50	8.50	8.00
12	6.28	7.30	7.70	8.50	10.00	11.00	10.50	11.00	8.50	10.00	8.50	8.00
13	6.20	7.30	7.50	8.50	10.00	11.00	12.25	10.00	8.50	10.00	8.50	8.00
14	6.20	7.40	0.00	9.00	11.00	10.50	11.25	10.00	8.50	10.00	8.50	7.50
15	6.13	7.40	7.40	9.00	11.00	10.50	13.50	9.00	8.50	10.00	8.50	7.50
16	6.05	7.40	7.48	9.00	11.00	10.00	11.00	9.00	8.50	9.50	9.00	7.50
17	6.00	7.40	7.50	9.00	11.00	10.00	10.50	10.00	8.50	9.50	9.00	7.50
18	6.00	7.43	7.50	9.00	11.00	11.00	10.50	9.50	8.00	9.50	9.00	7.00
19	6.08	7.50	7.50	9.50	11.00	11.00	10.00	9.50	8.00	9.50	9.00	7.00
20	6.10	7.48	7.60	9.50	11.00	11.00	10.00	9.00	9.00	9.50	9.00	7.00
21	6.13	7.40	7.68	9.50	11.00	12.00	10.00	9.00	9.00	9.50	8.50	7.00
22	6.20	7.40	7.53	9.50	11.00	12.00	10.50	8.50	9.00	9.50	8.50	7.00
23	6.20	7.40	7.43	9.50	11.00	12.00	10.50	9.00	9.00	9.00	8.00	7.00
24	6.43	7.30	7.30	9.50	11.00	12.00	11.50	9.00	9.00	9.00	7.50	7.00
25	6.50	7.30	7.53	9.50	11.00	12.50	10.50	9.50	9.00	7.00	7.50	7.00
26	7.08	7.33	7.45	9.50	11.00	12.50	9.50	10.00	8.90	8.00	7.50	7.00
27	7.25	7.33	7.60	9.50	11.00	12.50	9.00	9.00	8.50	9.50	7.50	7.00
28	7.30	7.30	7.60	9.50	11.00	10.50	9.00	9.50	8.50	9.50	7.50	7.00
29	7.33		7.50	10.00	11.00	10.50	9.00	9.50	8.50	9.50	7.50	8.00
30	7.30		7.53	11.00	11.00	10.50	9.00	9.50	8.50	7.00	7.00	8.00
31	7.30		7.70		11.00		9.00	9.00		8.00		8.00
Ave.	0.07	0.07	0.07	0.10	0.11	0.11	0.11	0.09	0.09	0.09	0.08	0.07

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1995**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	6.50	7.50	10.50	10.00	9.00	10.50	9.50	8.50	9.50	8.50	8.00
2	6.50	6.50		10.00	10.00	9.00	10.50	8.50	8.50	8.50	8.50	8.00
3	6.50	6.50		9.50	10.00	9.00	10.50	9.00	8.50	8.50	8.00	8.00
4	6.50	6.50	7.50	8.00	10.00	10.00	10.50	14.00	8.50	8.50	7.50	8.00
5	6.50	6.50	7.50	9.00	10.00	10.00	10.50	11.00	8.50	8.50	7.50	8.00
6	6.50	6.50	7.00	9.00	10.00	10.00	10.50	11.00	8.50	8.50	7.50	8.00
7	6.50	6.50	7.00	9.00	10.00	9.50	10.50	10.00	8.00	8.50	7.50	8.00
8	6.50	6.50	6.50	9.00	10.00	9.50	10.50	11.50	8.00	8.00	7.50	8.00
9	6.50	6.50	8.50	10.00	10.00	9.50	10.50	10.00	8.00	8.00	7.50	8.00
10	6.50	6.50	8.00	10.00	10.00	9.50	11.00	10.00	8.00	8.00	8.00	8.50
11	6.50	6.50	8.00	10.00	10.00	10.00	10.00	10.00	8.00	8.00	7.50	8.50
12	6.50	10.00	8.00	10.50	9.50	10.00	10.50	10.00	9.00	8.00	7.50	8.50
13	6.50	8.00	8.00	10.00	10.00	10.00	10.50	9.50	9.00	8.00	7.00	8.50
14	6.50	6.50	7.00	10.00	10.00	10.00	10.50	9.50	9.00	9.50	7.00	8.50
15	6.50	6.50	7.00	10.00	10.00	10.00	10.50	9.00	9.00	9.00	7.00	8.00
16	6.50	6.50	7.50	9.00	10.00	10.00	10.50	9.00	9.00	9.00	7.00	8.00
17	6.50	7.50	7.50	9.00	10.00	10.00	10.00	9.00	8.00	9.50	7.00	8.00
18	6.50	7.50	7.50	10.00	10.00	10.50	10.00	10.00	8.00	9.00	7.00	8.00
19	6.50	6.50	7.50	14.00	10.00	10.50	9.50	10.00	8.00	9.00	7.00	8.00
20	6.50	6.00	8.50	11.50	10.00	10.00	10.50	10.00	8.50	8.50	7.00	7.50
21	6.50	6.50	8.50	10.00	9.00	10.00	10.50	10.00	8.00	8.00	7.00	7.50
22	6.50	6.50	8.50	10.00	9.00	10.00	10.50	9.00	8.00	8.00	7.00	7.50
23	6.50	7.00	8.50	10.00	8.50	10.00	9.50	10.00	8.50	8.00	7.00	7.50
24	6.50	6.50	11.50	10.00	8.50	10.00	11.00	9.50	8.50	8.00	7.00	7.50
25	6.50	6.50	14.50	10.00	8.50	10.00	17.75	9.50	8.50	8.00	7.00	7.50
26	6.50	6.50	13.50	10.00	8.50	10.00	13.50	9.50	8.50	8.00	7.00	7.50
27	6.50	6.50	10.50	11.50	8.50	10.00	11.00	9.00	8.50	8.00	7.00	7.50
28	6.50	6.50	13.25	11.00	8.50	10.00	11.00	9.00	8.50	8.00	8.00	7.50
29	6.50		13.50	11.00	9.00	10.50	11.00	9.00	8.50	8.50	8.50	7.50
30	6.50		10.50	11.00	9.00	10.50	10.00	9.00	8.50	9.00	8.50	7.50
31	6.50		10.50		9.00		10.00	9.00		8.50		7.50
Ave.	0.07	0.07	0.09	0.10	0.10	0.10	0.11	0.10	0.08	0.08	0.07	0.08

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet** 1996

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	7.00	8.50	9.50	9.00	10.50	10.00	11.00	8.50	8.50	8.00	8.00
2	7.00	7.00	8.50	8.50	9.00	10.50	9.50	11.00	8.50	8.50	8.00	8.00
3	7.00	7.00	8.50	8.50	9.00	10.50	9.50	11.00	8.50	9.50	8.00	8.00
4	7.00	7.00	9.00	9.00	9.00	10.00	10.00	9.50	8.50	9.50	8.00	8.50
5	7.00	7.00	9.00	9.00	9.00	10.00	10.00	9.50	8.50	9.50	8.00	8.00
6	7.00	7.00	8.50	9.50	9.00	10.00	10.00	10.00	8.00	8.00	8.00	8.00
7	7.00	7.00	8.50	9.50	8.50	10.00	9.50	10.00	8.00	8.00	8.00	8.00
8	7.00	7.00	8.50	9.50	8.50	10.00	9.50	9.50	8.00	8.50	8.00	8.00
9	7.50	7.00	8.50	9.00	8.50	10.50	9.50	9.50	8.00	8.50	8.00	8.00
10	7.50	7.00	9.00	9.00	8.50	10.50	9.50	9.50	8.00	8.00	8.00	8.00
11	7.50	7.50	9.00	9.00	8.50	10.50	10.00	9.50	8.00	8.00	8.00	8.00
12	7.50	7.50	8.50	9.00	9.00	10.50	10.00	10.00	8.00	8.00	8.00	8.00
13	7.50	7.50	10.00	9.00	9.00	10.50	11.50	9.50	8.00	8.00	8.00	8.00
14	7.50	8.00	9.00	8.50	9.00	11.50	10.00	9.50	8.00	8.00	8.00	8.00
15	7.50	8.50	9.50	8.50	9.00	11.50	9.50	11.00	8.50	8.00	8.00	8.00
16	7.00	8.50	11.75	8.50	9.00	11.00	9.50	9.50	8.50	8.50	7.80	8.00
17	7.00	8.50	10.00	9.00	9.00	11.00	9.50	9.50	8.50	8.50	7.80	8.00
18	7.00	8.00	9.00	9.00	9.00	10.50	9.50	9.50	8.00	8.50	7.80	8.00
19	7.00	8.00	9.00	9.00	9.00	10.00	9.50	9.50	8.00	8.50	7.60	8.50
20	7.00		9.00	9.00	9.50	9.50	9.50	10.00	8.00	9.50	8.50	8.50
21	7.00	8.00	9.00	9.00	9.50	9.50	9.00	10.00	8.00	8.50	8.00	8.00
22	7.00	8.00	9.00	9.00	9.50	9.50	9.00	10.00	8.50	8.50	8.00	8.00
23	7.00	8.00	9.00	9.00	9.50	10.50	9.00	10.00	8.00	8.50	8.00	8.00
24	6.50	8.00	9.00	9.50	10.50	10.50	10.00	10.00	8.00	8.50	8.00	8.00
25	6.50	8.50	9.00	9.50	10.00	10.50	10.00	8.50	8.00	8.50	8.00	8.00
26	6.50	8.50	9.50	9.50	10.50	10.50	10.00	8.50	8.50	8.50	8.00	8.00
27	6.50	8.50	9.50	9.50	10.00	10.00	10.00	8.00	8.50	8.50	8.00	8.00
28	6.50	8.50	8.00	10.00	10.00	10.50	10.00	8.00	8.50	8.50	8.00	8.00
29	6.50	8.50	9.00	9.00	10.00	10.50	9.00	8.00	8.50	8.50	8.00	8.00
30	6.50		9.00	9.00	10.00	11.00	9.00	8.00	8.50	8.50	8.00	8.00
31	6.50		9.50		10.00		9.00	8.00		8.50		8.00
Ave.	0.07	0.08	0.09	0.09	0.09	0.10	0.10	0.10	0.08	0.09	0.08	0.08

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet** 1997

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	7.50	8.70	9.00	9.50	9.00	10.00	10.00	9.00	8.50	8.50	7.50
2	7.00	7.50	8.70	9.00	9.50	9.00	10.00	10.50	9.00	6.50	8.50	7.50
3	7.00	7.50	9.50	9.50	9.00	9.00	10.00	10.00	9.00	6.50	8.50	7.00
4	7.00	7.50	8.80	9.50	9.00	9.00	10.00	10.00	9.00	7.00	8.00	7.00
5	7.00	7.50	8.00	9.50	9.50	10.00	10.00	9.50	9.00	7.00	8.00	7.00
6	7.00	7.50	8.50	9.50	9.50	9.50	10.00	9.50	9.00	7.00	8.00	7.00
7	7.00	7.50	9.00	8.50	9.50	9.50	10.00	9.50	9.00	7.50	8.00	7.00
8	7.00	7.50	9.00	8.50	12.25	9.50	9.50	9.50	10.00	8.00	7.50	7.00
9	7.00	7.50	9.50	9.00	11.00	9.50	9.50	9.00	9.50	8.00	7.50	7.00
10	7.00	7.50	9.50	9.00	10.00	10.00	10.25	9.00	9.00	8.00	8.00	7.00
11	7.00	7.50	9.50	8.50	9.50	10.00	10.50	9.00	9.00	8.00	8.00	7.00
12	7.00	7.50	9.50	9.00	9.50	10.00	10.00	10.00	9.00	7.50	7.50	7.00
13	7.00	7.50	9.50	9.00	9.50	10.00	10.00	11.50	9.00	7.50	7.50	7.00
14	7.00	7.00	9.00	9.00	9.50	10.00	10.00	10.00	9.00	7.50	7.50	7.50
15	7.00	7.00	9.00	12.75	9.00	10.00	10.00	10.50	9.00	8.50	7.50	7.50
16	7.00	7.00	9.00	11.00	8.50	10.00	9.50	9.00	9.00	8.50	7.50	7.50
17	7.00	7.00	9.50	10.00	8.50	10.00	9.50	9.00	9.50	8.50	7.00	7.50
18	7.00	7.00	9.50	10.00	8.50	10.00	9.50	9.00	9.50	8.50	7.00	7.00
19	7.00	7.00	9.50	10.00	9.00	10.00	10.50	9.00	9.50	8.50	7.50	8.00
20	7.00	7.00	9.50	9.00	9.00	10.00	10.00	9.00	9.50	9.00	7.50	8.00
21	7.00	7.00	9.50	9.00	9.00	9.50	10.00	9.00	10.00	9.00	7.50	8.00
22	7.00	7.00	9.00	9.00	9.00	9.50	10.50	9.00	9.00	9.50	7.50	8.00
23	7.00	7.00	9.00	9.50	9.00	9.50	10.00	9.50	9.00	9.00	7.50	8.00
24	7.00	7.00	9.00	9.50	9.00	9.50	10.00	9.50	9.00	9.00	7.50	8.00
25	7.00	7.00	9.00	9.50	9.00	9.50	10.00	10.75	9.00	9.00	7.50	8.00
26	7.00	7.00	9.00	9.00	9.50	10.00	9.50	9.50	8.50	9.00	7.50	8.00
27	7.50	7.00	9.00	9.00	9.50	10.00	9.50	9.50	9.50	8.50	7.50	8.00
28	7.50	7.00	9.50	9.00	9.50	10.00	9.50	9.50	9.50	8.50	7.50	8.00
29	7.50		9.50	9.00	9.50	10.00	9.50	9.00	8.50	8.50	7.50	8.50
30	7.50		9.50	9.00	9.00	10.00	9.50	9.00	8.50	8.50	7.50	8.00
31	7.50		9.50		9.00		10.00	9.00		8.50		8.00
Ave.	0.07	0.07	0.09	0.09	0.09	0.10	0.10	0.10	0.09	0.08	0.08	0.08

**MUNDA HEAD WORKS**  
**Daily Gage Height, in Feet**

**1998**

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	7.00	8.50	8.50	9.00								
2	7.00	8.50	8.50	9.50								
3	7.00	8.50	8.50	9.50								
4	7.00	8.50	12.50	9.50								
5	7.00	8.50	11.00	9.50								
6	7.00	8.50	10.00	9.50								
7	7.00	8.50	10.00	9.50								
8	7.00	8.50	9.00	12.50								
9	8.00	8.50	8.50	11.50								
10	8.00	8.50	8.50	10.50								
11	8.00	8.00	9.00	10.50								
12	8.50	8.50	9.00	10.50								
13	8.50	8.50	9.00	10.50								
14	8.50	8.50	9.00	10.50								
15	8.50	10.00	9.00	10.00								
16	8.50	9.00	9.50	10.00								
17	8.50	9.50	9.50	10.00								
18	8.50	9.50	9.50	10.00								
19	8.50	9.50	9.50	10.00								
20	8.50	9.50	9.50	9.50								
21	8.50	9.50	9.50	9.50								
22	8.50	9.50	9.50	10.00								
23	8.50	9.50	9.50	10.00								
24	8.50	10.00	9.00	10.00								
25	8.50	10.00	9.00	10.00								
26	8.50	9.50	9.00	13.25								
27	8.50	9.00	9.50	11.50								
28	8.50	8.50	9.50	11.00								
29			9.50	10.50								
30	8.50		9.50	10.00								
31	8.50		9.00									
Ave.	0.08	0.09	0.09	0.10								

**HY4.**  
**DISCHARGE**

**HY4.1**  
**DISCHARGE RATING DATA**



### Discharge Rating Table (Chakdara)

Height	1954	1955	1958	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	
0.0																1.000	1.000	850	680	540					500	
0.1																1.100	1.100	940	750	620						570
0.2																1.240	1.240	1030	820	680						650
0.3			840													1.330	1.330	1120	890	740						730
0.4		950	950													1.430	1.430	1220	960	800						820
0.5	770	1,080	1,080													1.530	1.530	1320	1,030	870						910
0.6	850	1,200	1,200													1.640	1.640	1,430	1,120	940	580	580	580	580		1,010
0.7	900	1,340	1,340													1.760	1.760	1,550	1,210	1,020	690	690	690	690		1,110
0.8	980	1,480	1,480													1.870	1.870	1,670	1,300	1,100	790	790	790	790		1,230
0.9	1,070	1,640	1,640													2.040	2.040	1,810	1,390	1,180	910	910	910	910		1,350
1.0	1,170	1,820	1,820													2.200	2.200	1,970	1,490	1,140	1,040	1,040	1,040	1,040		1,500
1.1	1,280	2,020	2,020													2.360	2.360	2,060	1,570	1,160	1,180	1,180	1,180	1,180		1,650
1.2	1,470	2,250	2,250													2.540	2.540	2,200	1,680	1,260	1,330	1,330	1,330	1,330		1,830
1.3	1,540	2,480	2,480													2.720	2.720	2,340	1,790	1,360	1,430	1,430	1,430	1,430		1,950
1.4	1,720	2,730	2,730													2.920	2.920	2,490	1,900	1,460	1,540	1,540	1,540	1,540		2,130
1.5	1,830	3,010	3,010													3.120	3.120	2,640	2,010	1,580	1,660	1,660	1,660	1,660		2,310
1.6	2,080	3,310	3,310													3.340	3.340	2,800	2,120	1,700	1,780	1,780	1,780	1,780		2,490
1.7	2,280	3,640	3,640													3.550	3.550	2,970	2,230	1,820	1,910	1,910	1,910	1,910		2,700
1.8	2,500	3,970	3,970													3.780	3.780	3,140	2,340	1,940	2,030	2,030	2,030	2,030		2,910
1.9	2,720	4,330	4,330													4.020	4.020	3,320	2,470	2,060	2,150	2,150	2,150	2,150		3,120
2.0	2,950	4,690	4,690													4.260	4.260	3,500	2,600	2,180	2,270	2,270	2,270	2,270		3,360
2.1	3,200	5,080	5,080													4,520	4,520	3,700	2,750	2,300	2,390	2,390	2,390	2,390		3,600
2.2	3,470	5,470	5,470													4,800	4,800	4,300	2,920	2,430	2,520	2,520	2,520	2,520		3,870
2.3	3,800	5,890	5,890													5,040	5,040	4,600	3,080	2,550	2,640	2,640	2,640	2,640		4,140
2.4	4,120	6,280	6,280													5,300	5,300	4,900	3,260	2,680	2,770	2,770	2,770	2,770		4,440
2.5	4,450	6,700	6,700													5,580	5,580	5,200	3,450	2,820	2,910	2,910	2,910	2,910		4,740
2.6	4,830	7,150	7,150													5,880	5,880	5,500	3,650	2,980	3,070	3,070	3,070	3,070		5,070
2.7	5,150	7,600	7,600													6,200	6,200	5,800	3,860	3,160	3,250	3,250	3,250	3,250		5,400
2.8	5,520	8,100	8,100													6,540	6,540	6,100	4,080	3,340	3,430	3,430	3,430	3,430		5,760
2.9	5,850	8,600	8,600													6,900	6,900	6,400	4,320	3,540	3,630	3,630	3,630	3,630		6,120
3.0	6,200	9,100	9,100													7,280	7,280	6,800	4,580	3,760	3,850	3,850	3,850	3,850		6,520
3.1	6,600	9,600	9,600													7,680	7,680	7,200	4,860	3,990	4,080	4,080	4,080	4,080		6,960
3.2	7,000	10,100	10,100													8,100	8,100	7,600	5,160	4,240	4,330	4,330	4,330	4,330		7,400
3.3	7,400	10,650	10,650													8,540	8,540	8,000	5,480	4,500	4,590	4,590	4,590	4,590		7,880
3.4	7,800	11,200	11,200													9,000	9,000	8,400	5,820	4,780	4,870	4,870	4,870	4,870		8,360
3.5	8,200	11,750	11,750													9,480	9,480	8,800	6,180	5,080	5,170	5,170	5,170	5,170		8,840
3.6	8,700	12,300	12,300													9,980	9,980	9,200	6,580	5,400	5,490	5,490	5,490	5,490		9,320
3.7	9,100	12,850	12,850													10,500	10,500	9,600	7,000	5,740	5,830	5,830	5,830	5,830		9,800
3.8	9,600	13,400	13,400													11,040	11,040	10,000	7,460	6,100	6,190	6,190	6,190	6,190		10,280
3.9	10,100	13,950	13,950													11,600	11,600	10,400	7,940	6,480	6,570	6,570	6,570	6,570		10,800
4.0	10,600	14,500	14,500													12,180	12,180	10,800	8,440	6,880	6,970	6,970	6,970	6,970		11,320
4.1	11,100	15,050	15,050													12,780	12,780	11,200	8,960	7,400	7,490	7,490	7,490	7,490		11,840
4.2	11,600	15,600	15,600													13,400	13,400	11,600	9,500	7,920	8,010	8,010	8,010	8,010		12,400
4.3	12,150	16,200	16,200													14,040	14,040	12,000	10,080	8,460	8,550	8,550	8,550	8,550		12,960
4.4	12,700	16,800	16,800													14,700	14,700	12,400	10,680	9,040	9,130	9,130	9,130	9,130		13,520
4.5	13,250	17,400	17,400													15,380	15,380	12,800	11,300	9,640	9,730	9,730	9,730	9,730		14,080
4.6	13,800	18,000	18,000													16,080	16,080	13,200	12,000	10,260	10,350	10,350	10,350	10,350		14,640
4.7	14,400	18,600	18,600													16,800	16,800	13,600	12,720	10,880	10,970	10,970	10,970	10,970		15,200
4.8	15,000	19,200	19,200													17,540	17,540	14,000	13,480	11,520	11,610	11,610	11,610	11,610		15,760
4.9	15,600	19,800	19,800													18,300	18,300	14,400	14,240	12,180	12,270	12,270	12,270	12,270		16,320
5.0	16,200	20,400	20,400													19,080	19,080	14,800	15,060	12,860	12,950	12,950	12,950	12,950		16,880
5.1	16,800	21,000	21,000													19,880	19,880	15,200	15,900	13,560	13,650	13,650	13,650	13,650		17,440
5.2	17,400	21,600	21,600													20,700	20,700	15,600	16,760	14,280	14,370	14,370	14,370	14,370		18,000
5.3	18,000	22,200	22,200													21,540	21,540	16,000	17,640	15,020	15,110	15,110	15,110	15,110		18,560
5.4	18,600	22,800	22,800													22,400	22,400	16,400	18,540	15,780	15,870	15,870	15,870	15,870		19,120
5.5	19,200	23,400	23,400													23,280	23,280	16,800	19,480	16,560	16,650	16,650	16,650	16,650		19,680
5.6	19,800	24,000	24,000													24,180	24,180	17,200	20,460	17,360	17,450	17,450	17,450	17,450		20,240
5.7	20,400	24,600	24,600													25,100	25,100	17,600	21,480	18,140	18,230	18,230	18,230	18,230		20,800
5.8	21,100	25,200	25,200													26,040	26,040	18,000	22,540	18,920	19,010	19,010	19,010	19,010		21,360
5.9	21,750	25,800	25,800													27,000	27,000	18,400	23,640	19,820	19,910	19,910	19,910	19,910		21,920
6.0	22,400	26,400	26,400													28,000	28,000	18,800	24,780	20,740	20,830	20,830	20,830	20,830		22,480
6.1	23,050	27,000	27,000													29,040	29,040	19,200	25,960	21,680	21,770	21,770				









**HY4.2**  
**DISCHARGE DATA**

**Chakdara**

<b>CHAKDARA DISCHARGE 1964</b>												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	19	20	21	22	23	24
	25	26	27	28	29	30	31					
Total =	1251.7	1340.3	2627.4	5218.2	7268.0	10501.0	13936.3	9896.2	4611.5	2014.7	1102.6	1274.9
Excel Total	1251.7	1340.3	2627.4	5218.2	7268.0	10501.0	13934.9	9896.2	4611.5	2014.7	1102.3	1274.3
Ave.	40.37771	46.21683	84.75394	173.9412	234.4518	350.0333	449.5135	319.2331	153.7171	64.98958	36.74283	41.10803

<b>CHAKDARA DISCHARGE 1965</b>												
m3/s	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Date	1	2	3	4	5	6	7	8	9	10	11	12
	13	14	15	16	17	18	19	20	21	22	23	24
	25	26	27	28	29	30	31					
Total =	1200.2	1752.6	2497.2	7897.7	11480.7	17047.9	16317.8	9122.2	3751.9	2061.4	1500.5	1193.7
Excel Total	1200.2	1752.6	2497.2	7897.7	11480.7	17047.9	16317.8	9122.2	3753.1	2061.4	1500.5	1193.7
Ave.	38.71623	62.59354	80.55458	263.256	370.3466	568.264	526.38	294.2652	125.1049	66.49587	50.01553	38.50626

**CHAKDARA  
DISCHARGE**

**1966**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	37.9	29.4	53.2	124.5	246.2	270.3	591.5	566.0	187.3	74.4	65.1	37.6
2	37.1	28.9	52.1	125.1	246.2	268.9	500.9	472.6	191.0	72.4	63.7	38.2
3	36.2	29.4	50.4	125.7	217.9	311.3	489.6	433.0	253.3	71.0	61.7	37.6
4	35.9	28.9	53.8	127.6	229.2	376.4	399.0	407.5	331.1	81.3	60.6	37.1
5	35.9	28.6	98.5	131.6	275.9	373.6	322.6	387.7	382.1	81.2	58.6	37.9
6	35.1	30.0	67.6	126.5	339.6	384.9	275.9	401.9	333.9	78.1	56.6	38.2
7	34.8	36.2	61.1	148.3	362.2	396.2	249.0	529.2	254.7	75.3	53.8	37.9
8	34.8	56.0	54.3	174.0	416.0	430.2	257.5	390.5	210.0	75.3	50.9	37.1
9	34.2	54.9	52.1	139.2	393.4	444.3	319.8	498.1	187.3	73.0	50.1	36.2
10	33.7	45.6	53.8	127.6	318.1	416.0	376.4	382.1	181.4	74.4	47.5	36.2
11	34.2	40.2	51.3	154.8	314.1	427.3	430.2	353.8	161.3	110.4	45.6	37.1
12	34.8	43.6	56.0	136.1	242.0	492.4	433.0	322.6	146.0	92.0	42.7	35.9
13	33.7	55.5	68.2	148.3	237.7	532.0	444.3	314.1	137.3	89.4	43.6	35.7
14	33.7	67.6	71.6	382.1	212.5	540.5	438.7	288.7	136.1	82.1	41.9	36.2
15	33.4	62.3	79.5	370.7	202.3	566.0	418.8	271.7	131.6	81.2	42.5	37.1
16	33.4	49.0	79.0	356.6	204.9	560.3	387.7	268.9	187.3	77.3	42.7	37.1
17	32.8	44.7	141.5	373.6	227.8	571.7	350.9	233.5	153.7	75.8	42.5	36.2
18	32.5	40.8	191.0	271.7	270.3	549.0	308.5	222.2	150.3	75.3	42.5	36.2
19	32.5	39.6	146.0	239.1	314.1	549.0	302.8	226.4	149.4	92.0	41.9	35.9
20	32.3	39.9	96.5	251.9	350.9	619.8	308.5	237.7	140.4	92.0	41.6	34.2
21	32.0	73.9	86.0	249.0	345.3	588.6	353.8	249.0	121.4	81.2	41.9	34.0
22	32.5	59.7	108.7	256.1	322.6	574.5	396.2	225.0	113.5	78.1	41.6	33.7
23	32.3	47.8	96.5	215.1	297.2	546.2	424.5	212.5	119.4	77.3	41.0	33.4
24	31.7	47.0	91.1	242.0	291.5	554.7	461.3	215.1	121.4	75.3	40.2	33.4
25	32.0	45.6	115.5	261.8	300.0	611.3	472.6	194.7	112.4	76.7	39.9	32.5
26	32.0	61.7	227.8	250.5	331.1	639.6	495.3	174.0	100.2	79.0	39.9	32.5
27	31.1	59.1	384.9	319.8	379.2	687.7	433.0	163.6	92.8	75.8	41.6	32.8
28	30.0	57.7	226.4	469.8	359.4	704.7	416.0	167.0	90.3	73.0	40.2	33.7
29	29.4		158.2	447.1	350.9	648.1	418.8	167.0	86.0	71.0	38.8	34.8
30	29.1		139.2	274.5	311.3	625.4	427.3	174.0	79.0	68.8	38.2	36.8
31	28.9		117.4		314.1		645.2	189.6		66.2		36.2
Total =	1030.1	1303.5	3332.3	7020.7	9254.1	15260.8	12549.6	9339.6	5041.9	2449.4	1399.2	1109.6
Excel Total'	1030.1	1303.5	3332.3	7020.7	9254.1	15260.8	12549.6	9339.6	5041.9	2449.4	1399.2	1109.6
Ave.	33.22968	46.5535	107.4944	234.0221	298.5194	508.6925	404.8269	301.2763	168.0613	79.01177	46.6384	35.79494

**CHAKDARA  
DISCHARGE**

**1967**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	36.2	26.5	62.3	117.4	242.0	390.5	684.9	399.0	154.8	82.9	55.5	40.2
2	35.7	25.8	60.6	95.7	194.7	435.8	710.3	350.9	144.9	75.3	52.1	38.2
3	34.8	26.1	52.1	84.3	175.5	469.8	597.1	373.6	138.4	75.8	53.2	45.8
4	34.2	28.2	46.4	80.4	177.7	413.2	554.7	427.3	144.9	79.0	49.0	44.1
5	33.4	28.2	43.6	114.3	171.8	362.2	534.9	407.5	137.3	84.3	51.5	41.0
6	34.8	27.8	45.6	95.7	162.4	427.3	563.2	367.9	146.0	73.9	47.8	42.5
7	35.1	28.9	45.0	82.9	152.5	492.4	750.0	328.3	157.1	69.6	49.5	41.6
8	35.1	58.6	45.8	76.7	187.3	537.7	619.8	322.6	157.1	70.2	47.8	40.8
9	34.2	37.9	49.0	73.9	207.4	534.9	534.9	302.8	159.3	65.1	47.5	39.9
10	34.0	34.8	49.5	71.0	213.7	608.5	498.1	266.0	160.5	61.7	44.1	40.2
11	34.0	34.0	71.0	71.6	204.9	591.5	492.4	261.8	162.4	63.7	45.0	41.6
12	33.4	32.5	93.7	68.2	168.1	636.8	495.3	247.6	165.8	66.2	42.5	40.8
13	32.5	31.7	123.7	71.6	164.7	648.1	583.0	258.9	183.7	63.7	42.5	40.2
14	32.3	30.8	89.4	92.0	164.7	665.1	512.2	273.1	263.2	60.6	41.0	40.8
15	32.3	32.0	71.6	121.4	169.5	554.7	523.6	291.5	207.4	56.6	41.9	39.9
16	32.3	37.9	125.7	133.9	194.7	506.6	500.9	353.8	176.6	69.6	43.6	38.8
17	30.8	91.1	94.5	163.6	226.4	390.5	489.6	339.6	157.1	59.7	42.7	39.1
18	30.8	61.7	74.4	184.8	246.2	328.3	503.7	317.0	136.1	54.9	40.8	38.8
19	30.6	71.6	66.2	165.8	297.2	300.0	421.7	268.9	126.5	55.5	41.0	37.9
20	30.8	196.1	60.6	187.3	336.8	367.9	430.2	261.8	111.5	52.6	39.9	38.8
21	30.3	117.4	54.3	184.8	359.4	433.0	438.7	244.8	99.3	50.4	41.0	37.9
22	30.3	78.1	52.4	177.7	362.2	523.6	455.6	236.3	100.2	50.9	40.2	38.8
23	30.8	59.7	50.4	192.2	350.9	554.7	467.0	240.6	98.5	57.7	41.6	41.6
24	30.8	52.6	75.0	230.6	384.9	605.6	699.0	263.2	92.0	158.2	44.1	54.3
25	30.6	45.8	356.6	244.8	277.3	645.2	580.2	240.6	112.4	119.4	42.5	57.2
26	28.6	44.1	215.1	291.5	230.6	662.2	526.4	225.0	127.6	95.7	41.0	72.4
27	28.2	43.3	126.5	336.8	208.9	662.2	503.7	204.9	143.8	81.2	39.9	94.5
28	28.6	45.8	98.5	673.5	199.8	639.6	441.5	188.5	125.7	73.9	41.9	83.5
29	28.6		86.0	481.1	219.3	648.1	390.5	171.8	103.9	66.2	39.9	60.6
30	27.5		79.5	294.3	268.9	727.3	373.6	160.5	89.4	63.7	40.8	52.6
31	26.8		76.7		342.4		350.9	157.1		59.7		49.5
Total =	988.4	1429.4	2641.5	5259.8	7257.3	15763.1	16227.2	8752.9	4283.2	2217.9	1331.8	1453.8
Excel Total'	988.4	1429.4	2641.5	5259.8	7262.9	15763.1	16227.2	8752.9	4283.2	2217.9	1331.8	1453.8
Ave.	31.88406	51.04916	85.21039	175.3279	234.2875	525.4367	523.4587	282.3518	142.7735	71.54423	41.39327	46.89584

**CHAKDARA**

**DISCHARGE**

**1968**

m3/s	1968											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	47.5	36.2	50.4	67.6	464.1	373.6	540.5	433.0	110.4	69.6	68.8	37.6
2	46.7	34.8	49.0	63.7	410.4	396.2	560.3	421.7	106.7	67.6	72.4	35.7
3	45.6	34.8	47.8	58.6	339.6	407.5	563.2	421.7	105.8	68.8	68.2	35.9
4	43.6	34.0	49.5	65.7	308.5	393.4	580.2	433.0	103.0	76.7	60.6	37.9
5	41.9	34.8	51.5	79.0	264.6	396.2	597.1	427.3	105.0	69.6	57.7	37.9
6	42.7	39.1	50.1	103.9	239.1	467.0	628.3	520.7	103.9	67.1	54.9	37.9
7	41.0	35.1	50.1	189.6	220.7	520.7	639.6	413.2	108.7	73.0	53.8	42.5
8	41.0	33.7	50.9	141.5	202.3	554.7	662.2	399.0	118.6	67.6	51.5	41.0
9	40.2	33.4	50.4	120.6	185.9	585.8	710.3	401.9	108.7	66.2	50.9	41.6
10	41.0	32.0	54.3	117.4	177.7	583.0	682.0	413.2	105.8	66.2	50.9	49.0
11	41.9	31.7	57.7	99.3	167.0	633.9	653.7	444.3	108.7	63.1	51.5	152.0
12	40.2	30.8	65.7	103.0	165.8	583.0	656.6	438.7	106.7	62.3	51.5	128.8
13	39.9	31.1	65.1	57.7	187.3	557.5	667.9	430.2	113.5	58.6	50.1	82.1
14	38.2	31.7	89.4	158.2	217.9	540.5	631.1	433.0	119.4	73.0	47.5	72.4
15	37.1	30.6	72.4	206.3	227.8	540.5	580.2	461.3	125.7	63.1	47.0	80.4
16	37.1	30.6	66.2	146.0	211.4	571.7	543.4	427.3	138.4	63.1	45.6	68.8
17	37.9	30.0	77.3	124.5	197.3	594.3	523.6	370.7	140.4	59.1	44.1	62.3
18	36.8	30.6	142.6	149.4	222.2	597.1	464.1	350.9	124.5	57.7	43.3	60.6
19	35.7	32.3	178.9	143.8	274.5	591.5	421.7	407.5	114.3	55.5	42.7	56.6
20	43.6	40.2	181.4	164.7	274.5	588.6	416.0	353.8	97.4	54.3	42.5	53.8
21	41.6	59.7	123.7	188.5	260.4	594.3	427.3	333.9	88.6	54.3	42.7	50.9
22	38.2	44.7	95.7	217.9	268.3	614.1	416.0	353.8	85.2	53.2	43.3	49.0
23	36.8	39.9	82.1	250.5	275.9	605.6	407.5	308.5	85.0	52.1	41.6	47.0
24	38.2	36.8	73.9	222.2	264.6	605.6	384.9	257.5	85.2	52.1	39.1	47.0
25	37.6	38.2	71.6	242.0	266.0	636.8	401.9	233.5	82.1	50.4	38.2	45.0
26	35.9	58.6	82.1	270.3	267.4	648.1	413.2	215.1	81.2	49.0	38.8	44.1
27	37.9	99.3	118.6	297.2	273.1	639.6	438.7	174.0	78.1	47.8	38.8	41.6
28	40.2	75.3	105.8	300.0	258.9	642.4	464.1	150.3	79.5	45.8	37.9	42.5
29	42.7	56.6	92.0	258.9	285.8	554.7	608.5	139.2	75.3	55.5	37.1	41.6
30	41.6		78.1	489.6	336.8	526.4	750.0	127.6	72.4	82.9	36.8	41.9
31	38.8		71.0		365.1		472.6	115.5		65.1		40.2
Total =	1249.2	1176.4	2495.2	5097.4	8081.1	16544.2	16906.4	10811.2	3079.0	1910.5	1449.8	1705.4
Excel Total	1249.2	1176.4	2495.2	5097.4	8081.1	16544.2	16906.4	10811.2	3079.1	1910.5	1449.8	1705.4
Ave.	40.29555	40.56659	80.49068	169.9132	260.6795	551.4727	545.3684	348.7473	102.6356	61.6301	48.32697	55.01155

**CHAKDARA**

**DISCHARGE**

**1969**

m3/s	1969											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	39.9	63.1	77.3	149.4	151.4	472.6	464.1	350.9	178.9	81.2	86.0	46.4
2	39.6	54.3	70.2	136.1	144.9	486.8	498.1	382.1	181.8	85.0	84.3	45.8
3	38.2	47.8	63.7	137.3	147.2	461.3	534.9	416.0	174.0	82.1	79.0	45.0
4	40.8	47.0	76.7	129.6	149.4	492.4	566.0	441.5	161.3	80.4	73.0	43.3
5	39.9	45.8	76.7	143.8	183.7	390.5	588.6	486.8	152.5	76.7	71.6	44.7
6	39.9	42.7	84.3	152.5	217.9	350.9	608.5	498.1	153.7	73.9	68.8	45.0
7	39.1	41.9	103.0	163.6	239.1	382.1	622.6	549.0	153.7	74.4	67.1	44.7
8	39.6	41.0	95.7	183.7	300.0	418.8	631.1	560.3	152.5	71.6	62.3	42.7
9	39.6	40.8	97.4	188.5	427.3	447.1	645.2	549.0	143.8	69.6	63.1	42.7
10	39.6	40.8	102.2	204.9	384.9	469.8	574.5	693.4	135.0	70.2	61.1	41.9
11	38.2	39.1	108.7	243.4	362.2	416.0	534.9	772.6	125.7	80.4	59.1	41.6
12	37.6	34.8	120.6	288.7	291.5	447.1	458.5	600.0	127.6	113.5	60.6	41.0
13	38.2	50.4	135.0	247.6	285.8	472.6	481.1	506.6	127.6	84.3	60.6	42.7
14	37.1	102.2	139.2	219.3	281.6	486.8	554.7	503.7	206.3	84.3	59.1	40.2
15	35.9	73.0	140.4	261.8	258.9	512.2	503.7	481.1	216.5	108.7	55.5	39.9
16	35.9	59.1	139.2	291.5	213.9	512.2	512.2	427.3	208.9	95.7	49.0	40.8
17	35.9	79.0	143.8	258.9	211.4	537.7	515.1	413.2	163.6	84.3	51.5	39.9
18	35.9	64.2	171.8	204.9	213.9	568.8	526.4	407.5	140.4	79.0	50.4	39.9
19	35.9	54.3	258.9	176.6	223.6	549.0	546.2	444.3	127.6	76.7	50.1	39.6
20	35.1	49.5	213.9	227.8	220.7	583.0	659.4	384.9	119.4	74.4	54.9	39.1
21	34.8	47.8	158.2	309.5	233.5	551.9	699.0	328.3	115.5	69.6	56.6	38.8
22	35.1	44.7	141.5	239.1	263.2	486.8	701.8	291.5	105.8	67.1	52.6	38.8
23	34.8	42.7	143.8	194.7	305.6	464.1	718.8	237.7	99.3	64.2	47.5	38.2
24	34.2	49.0	136.1	170.6	280.2	455.6	718.8	219.3	100.2	64.2	49.5	38.2
25	34.2	66.2	168.1	152.5	302.8	486.8	682.0	203.8	98.5	62.3	49.5	37.9
26	49.0	56.0	356.6	157.1	328.3	500.9	631.1	201.2	95.7	60.6	48.4	38.2
27	76.7	79.2	222.2	141.5	359.4	512.2	616.9	194.7	91.1	68.2	48.4	38.2
28	56.6	102.2	169.5	210.0	384.9	503.7	563.2	184.8	83.5	193.6	49.5	37.9
29	48.4		142.6	188.5	430.2	492.4	469.8	175.5	81.2	280.2	47.5	38.8
30	47.0		132.7	164.7	469.8	444.3	418.8	178.9	80.4	144.9	45.8	38.8
31	45.0		133.9		481.1		356.6	180.0		105.0		36.8
Total =	1257.9	1558.8	4323.7	5937.1	8748.4	14356.6	17602.6	12263.8	4104.9	2827.2	1762.5	1267.6
Excel Total	1257.9	1558.8	4323.7	5937.1	8748.4	14356.6	17602.6	12263.8	4104.9	2827.2	1762.5	1267.6
Ave.	40.57855	55.67014	139.4734	197.9019	282.2058	478.553	567.8258	395.6066	136.8305	91.19903	58.7508	40.88894

**CHAKDARA  
DISCHARGE  
1970**

m3/s	CHAKDARA DISCHARGE 1970											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	36.2	37.6	52.1	68.2	130.7	461.3	540.5	244.8	520.7	71.0	57.2	35.9
2	36.2	36.2	45.6	70.2	136.1	503.7	549.0	247.6	401.7	73.0	54.9	35.9
3	36.2	36.2	41.9	76.7	132.7	523.6	532.0	249.0	342.4	74.4	51.5	35.9
4	36.2	35.7	40.8	84.3	125.7	560.3	571.7	243.4	339.6	75.8	50.1	35.7
5	35.9	35.1	39.9	98.5	136.1	472.6	447.1	250.5	336.8	79.5	48.4	35.7
6	33.7	34.2	40.2	126.5	160.5	370.7	342.4	247.6	294.3	283.0	47.0	34.0
7	34.0	34.0	37.9	131.6	155.9	359.4	342.4	246.2	551.9	126.5	46.4	33.7
8	34.8	32.8	37.9	119.4	152.5	339.6	325.5	249.0	336.8	97.4	44.7	34.0
9	34.8	32.5	38.2	125.7	157.1	336.8	275.9	247.6	246.2	82.1	43.6	32.5
10	35.1	32.3	50.9	141.5	167.0	356.6	237.7	250.5	223.6	81.2	43.3	32.5
11	37.1	31.7	58.6	155.9	158.2	411.5	208.9	257.5	264.6	75.8	42.7	32.0
12	37.1	31.1	52.1	157.1	161.3	444.3	208.9	300.0	256.1	72.4	41.6	32.3
13	36.2	30.6	53.2	169.5	193.6	421.7	208.9	342.4	225.0	72.4	41.6	32.0
14	35.9	30.3	58.6	161.3	187.3	314.1	213.7	314.1	230.6	70.2	40.8	32.0
15	35.7	30.0	67.1	160.5	184.8	291.5	215.1	240.6	194.7	68.2	40.8	31.7
16	35.1	29.7	70.2	212.5	220.7	215.1	273.7	250.5	178.9	68.2	41.0	34.0
17	37.6	29.7	56.0	149.4	258.9	198.4	319.8	225.0	148.3	67.1	39.9	43.6
18	36.2	29.7	78.1	135.0	277.3	187.3	273.1	226.4	131.6	67.1	38.8	35.9
19	36.2	29.4	66.2	120.6	302.8	189.6	253.3	227.8	132.7	65.1	39.1	35.1
20	35.1	29.1	60.6	119.4	328.3	233.5	311.3	219.3	154.8	63.1	39.6	35.1
21	34.8	29.4	56.0	130.7	455.6	271.7	271.7	225.0	129.6	59.7	38.2	34.8
22	34.0	39.1	58.6	170.6	475.4	317.0	227.8	229.2	111.5	70.2	37.6	33.7
23	33.7	36.2	67.6	196.1	444.3	342.4	197.3	264.6	106.7	70.2	37.1	32.3
24	34.2	35.9	66.2	192.2	382.1	401.9	181.4	239.1	95.7	67.1	36.8	32.3
25	49.0	47.8	74.4	211.4	356.6	455.6	164.7	239.1	86.0	60.6	36.8	32.3
26	42.5	45.0	146.0	217.9	256.1	489.6	175.5	418.8	84.3	57.2	35.7	32.5
27	39.1	41.0	161.3	222.2	257.5	534.9	202.4	322.6	77.3	55.5	35.7	32.0
28	36.8	67.1	116.3	206.3	328.3	546.2	247.6	300.0	78.1	59.1	36.2	31.7
29	35.2		87.7	158.2	370.7	509.4	249.0	291.5	75.8	72.4	35.9	30.8
30	42.7		73.9	132.7	399.0	543.4	244.8	291.5	75.3	65.1	35.7	30.8
31	40.2		67.1		421.7		244.8	311.3		60.6		30.6
Total =	1138.5	989.7	2021.2	4422.2	7875.0	11633.6	9062.8	8212.7	6151.6	2431.3	1258.5	1043.1
Excel Total	1138.5	989.7	2021.2	4422.2	7875.0	11633.6	9062.8	8212.7	6434.6	2431.3	1258.5	1043.1
Ave.	36.7261	35.34468	65.19955	147.4053	254.0336	387.7855	292.3481	264.9245	214.4857	78.42752	41.95003	33.64961

**CHAKDARA  
DISCHARGE  
1971**

m3/s	CHAKDARA DISCHARGE 1971											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	30.0	25.4	40.5	98.8	194.1	365.1	410.4	356.6	213.4	9999.0	9999.0	9999.0
2	30.0	25.4	35.4	97.1	178.3	413.2	444.3	382.1	208.9	9999.0	9999.0	9999.0
3	30.0	24.7	43.9	88.6	193.0	399.0	489.6	356.6	195.3	9999.0	9999.0	9999.0
4	29.4	24.9	38.8	121.7	212.3	407.5	373.6	328.3	194.1	9999.0	9999.0	9999.0
5	29.4	24.5	35.7	202.1	186.2	393.4	331.1	322.6	179.4	9999.0	9999.0	9999.0
6	29.1	24.5	34.0	112.4	169.5	401.9	257.5	302.8	159.6	9999.0	9999.0	9999.0
7	28.9	24.5	33.1	101.3	172.3	399.0	256.4	319.8	153.7	9999.0	9999.0	9999.0
8	28.9	24.5	33.4	118.3	210.0	461.3	256.4	342.4	129.3	9999.0	9999.0	9999.0
9	28.9	24.7	36.2	118.3	247.3	444.3	225.8	322.6	118.3	9999.0	9999.0	9999.0
10	28.9	32.3	34.5	147.7	198.7	461.3	257.5	305.6	109.0	9999.0	9999.0	9999.0
11	28.9	27.5	35.1	141.8	214.5	433.0	277.9	288.7	110.7	9999.0	9999.0	9999.0
12	28.6	26.7	37.6	125.4	207.7	418.8	319.8	247.3	126.8	9999.0	9999.0	9999.0
13	28.3	26.4	38.5	133.6	195.3	387.7	365.1	240.6	103.9	9999.0	9999.0	9999.0
14	28.0	26.2	39.1	168.4	215.6	452.8	401.9	215.6	87.7	9999.0	9999.0	9999.0
15	28.0	26.2	42.5	136.1	262.6	404.7	367.9	206.6	80.7	9999.0	9999.0	9999.0
16	28.0	25.4	51.5	214.5	275.4	379.2	353.8	207.7	68.8	9999.0	9999.0	9999.0
17	27.7	25.9	59.7	199.8	277.9	319.8	379.2	211.1	65.9	9999.0	9999.0	9999.0
18	27.2	25.9	63.7	169.5	322.6	331.1	314.1	197.5	64.8	9999.0	9999.0	9999.0
19	26.9	25.9	62.5	160.5	359.4	319.8	311.3	197.5	60.3	9999.0	9999.0	9999.0
20	27.2	25.9	58.6	160.5	350.9	328.3	288.7	197.5	58.0	9999.0	9999.0	9999.0
21	26.9	25.7	60.3	199.8	365.1	314.1	247.3	196.4	55.8	9999.0	9999.0	9999.0
22	27.2	24.2	62.5	172.3	365.1	322.6	217.9	171.5	58.0	9999.0	9999.0	9999.0
23	28.0	24.0	61.4	157.6	399.0	410.4	211.1	186.2	59.7	9999.0	9999.0	9999.0
24	27.5	22.6	64.8	148.6	387.7	441.5	212.3	208.9	65.4	9999.0	9999.0	9999.0
25	26.9	23.1	64.2	184.0	407.5	469.8	217.9	228.1	47.8	9999.0	9999.0	9999.0
26	26.9	73.9	63.1	216.8	367.9	365.1	225.8	267.7	52.1	9999.0	9999.0	9999.0
27	27.2	50.4	64.2	224.7	376.4	339.6	285.8	356.6	60.8	9999.0	9999.0	9999.0
28	26.7	46.1	64.2	311.3	396.2	353.8	401.9	348.1	58.6	9999.0	9999.0	9999.0
29	26.4		71.0	254.1	404.7	314.1	430.2	285.8	64.2	9999.0	9999.0	9999.0
30	25.7		80.1	196.4	410.4	353.8	410.4	242.8	71.0	9999.0	9999.0	9999.0
31	25.7		92.8		416.0		396.2	241.7		9999.0		9999.0
Total =	867.5	807.2	1602.9	4883.2	8939.7	11605.8	9939.0	8283.4	3081.9			
Excel Total	867.5	807.2	1602.9	4881.8	8939.7	11605.8	9939.0	8283.4	3081.9			
Ave.	27.98322	28.82759	51.70684	162.725	288.377	386.861	320.6116	267.2068	102.729	0	0	0



**CHAKDARA  
DISCHARGE  
1972**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	28.9	46.4	41.3	120.0	206.6	469.8	478.3	294.3	200.9	80.1	60.8	48.1
2	28.6	42.2	43.9	120.0	177.4	475.4	495.3	294.3	179.4	77.8	60.3	47.3
3	28.0	38.5	47.3	101.3	165.6	467.0	520.7	305.6	173.5	75.8	59.1	47.8
4	27.2	36.5	51.2	145.7	168.4	483.9	557.5	339.6	167.5	73.9	56.9	47.3
5	26.6	35.1	65.4	186.2	177.4	458.5	577.3	359.4	168.4	71.6	55.2	46.4
6	26.3	34.0	54.1	171.5	230.4	447.1	540.5	509.4	170.4	69.9	54.6	46.4
7	26.3	32.3	52.4	147.7	205.5	478.3	458.5	676.4	173.5	68.8	52.9	44.4
8	26.0	30.3	71.6	130.2	217.9	469.8	450.0	467.0	171.5	68.2	52.6	43.6
9	26.3	29.7	67.1	108.1	236.0	467.0	478.3	458.5	193.9	65.4	52.1	44.4
10	26.3	29.4	54.1	107.3	213.4	472.6	500.9	401.9	180.6	64.8	51.5	44.7
11	25.8	29.4	48.1	109.8	197.5	515.1	554.7	353.8	175.5	63.7	52.4	44.4
12	26.0	43.0	66.5	125.1	240.6	537.7	537.7	319.8	170.4	61.4	52.9	43.6
13	26.0	34.5	217.9	132.7	277.9	481.1	498.1	317.0	152.5	59.1	52.4	42.5
14	26.6	33.1	137.8	150.6	447.1	495.3	489.6	325.5	148.6	58.0	52.1	41.0
15	26.3	32.5	102.2	163.6	339.6	537.7	483.9	276.8	144.3	58.0	50.7	40.2
16	26.3	31.1	88.6	271.7	297.2	574.5	483.9	257.5	144.6	58.0	50.4	40.5
17	26.3	29.4	86.3	285.2	274.2	588.6	517.9	288.7	150.6	57.4	49.8	44.4
18	26.0	29.1	80.1	211.1	302.8	594.3	520.7	269.1	141.8	66.5	49.0	42.2
19	27.2	28.3	81.5	171.5	362.2	585.8	489.6	255.3	157.6	69.9	48.1	43.9
20	28.3	28.3	117.4	148.6	362.2	554.7	435.8	276.8	204.3	64.2	47.3	42.5
21	30.8	31.1	96.2	133.6	379.2	560.3	365.1	250.7	180.6	70.5	47.0	42.2
22	53.5	70.5	82.9	137.0	416.0	551.9	365.1	232.6	149.7	81.5	55.8	41.0
23	43.9	92.8	82.1	141.8	424.5	563.2	370.7	221.3	129.3	71.6	68.2	42.2
24	38.5	110.7	102.2	155.7	458.5	583.0	356.6	230.4	111.5	68.2	61.4	42.5
25	36.2	63.7	123.4	174.3	450.0	588.6	367.9	223.6	109.0	67.1	59.7	42.2
26	34.2	52.9	133.6	184.0	427.3	605.6	367.9	193.0	103.9	65.4	54.6	43.6
27	32.8	49.5	204.3	204.3	382.1	600.0	345.3	172.3	94.8	64.8	52.4	70.5
28	31.1	44.7	185.1	274.2	379.2	597.1	333.9	158.5	90.0	63.7	50.7	50.7
29	30.3	43.6	169.5	336.8	359.4	506.6	376.4	163.6	84.3	62.5	49.8	50.7
30	31.1	165.6	239.4	353.8	353.8	526.4	376.4	165.6	81.5	62.5	48.7	49.5
31	34.0	137.8	410.4	336.8	197.5	47.0						
Total =	931.9	1232.7	3057.2	5068.8	9540.2	15836.7	14031.1	9255.5	4505.1	2072.4	1609.1	1407.4
Excel Total	931.9	1232.7	3057.3	5068.8	9540.2	15836.7	14031.1	9255.5	4504.2	2072.4	1609.1	1407.4
Ave.	30.0619	42.50855	98.62185	168.9604	307.7488	527.8893	452.6174	298.565	150.1409	66.8519	53.63793	45.39868

**CHAKDARA  
DISCHARGE  
1973**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	44.4	39.1	76.4	214.5	376.4	424.5	537.7	353.8	373.6	114.9	42.7	36.8
2	43.9	39.9	69.9	163.6	393.4	450.0	517.9	362.2	319.8	129.3	42.5	36.8
3	43.0	40.2	63.1	165.6	376.4	478.3	489.6	384.9	274.2	121.7	41.6	36.8
4	42.5	39.9	55.2	175.5	370.7	481.1	512.2	452.8	242.8	104.7	41.0	37.6
5	43.0	39.3	52.4	174.3	362.2	486.8	563.2	416.0	225.8	95.7	40.2	37.6
6	45.6	38.8	49.5	189.6	373.6	495.3	574.5	475.4	210.0	88.6	38.8	36.5
7	45.6	40.2	48.1	188.5	430.2	509.4	481.1	486.8	200.9	82.9	37.6	36.8
8	44.7	42.2	69.9	177.4	418.8	520.7	433.0	517.9	185.1	81.5	37.4	36.8
9	43.9	40.5	96.2	164.4	379.2	526.4	399.0	566.0	167.5	80.1	37.6	36.5
10	43.0	39.9	240.6	162.4	325.5	506.6	362.2	427.3	155.7	74.4	37.6	36.2
11	42.5	39.3	191.9	176.3	280.2	523.6	407.5	407.5	150.6	72.2	37.6	36.2
12	42.5	39.9	128.5	205.5	302.8	534.9	410.4	399.0	149.7	71.0	37.6	36.8
13	43.0	40.2	103.0	173.5	308.5	568.8	441.5	450.0	143.8	68.8	38.5	36.8
14	42.5	42.5	95.7	160.5	314.1	568.8	500.9	427.3	134.4	66.5	38.5	36.5
15	41.9	42.7	88.6	157.1	305.6	532.0	495.3	401.9	136.1	64.8	39.1	36.5
16	41.6	42.7	80.1	153.7	302.8	515.1	520.7	382.1	139.8	63.7	39.1	36.8
17	41.0	42.2	77.8	142.6	276.8	503.7	467.0	376.4	143.8	63.1	39.1	45.6
18	40.2	42.7	75.8	147.7	305.6	500.9	467.0	359.4	142.6	64.8	39.1	41.6
19	48.7	42.5	72.7	174.3	269.1	512.2	464.1	339.6	148.6	63.7	39.1	39.9
20	63.7	41.0	70.5	210.0	262.6	515.1	512.2	331.1	189.6	63.1	39.1	38.5
21	48.7	39.3	72.2	220.2	250.7	537.7	461.3	331.1	207.7	60.8	39.1	38.5
22	43.0	39.9	78.7	229.2	265.2	509.4	438.7	331.1	177.4	58.0	39.1	37.6
23	43.9	50.4	94.8	237.2	308.5	515.1	435.8	396.2	145.7	54.1	39.1	36.8
24	43.9	127.6	106.4	265.2	311.3	529.2	421.7	367.9	125.9	54.1	39.1	36.5
25	43.0	196.4	125.9	297.2	345.3	537.7	447.1	373.6	153.7	51.5	39.1	35.9
26	42.5	148.6	160.5	319.8	362.2	537.7	469.8	359.4	140.7	48.7	39.1	35.7
27	41.6	109.8	181.7	317.0	424.5	529.2	441.5	413.2	121.7	47.3	39.3	35.1
28	41.0	87.7	203.2	311.3	404.7	534.9	452.8	373.6	114.9	48.1	37.6	35.1
29	40.2	200.9	322.6	396.2	520.7	399.0	362.2	92.0	49.0	37.4	35.1	
30	39.3	157.6	339.6	387.7	517.9	365.1	362.2	102.2	44.4	36.8	34.5	
31	39.3	206.6	376.4	359.4	461.3							
Total =	1338.0	1615.4	3394.3	6336.1	10567.2	15423.5	14249.1	12449.2	5216.3	2194.4	1169.1	1148.7
Excel Total	1353.3	1615.4	3394.3	6336.1	10567.2	15423.5	14249.1	12449.2	5216.3	2194.4	1169.1	1148.7
Ave.	43.65503	57.69157	109.4936	211.2029	310.8781	514.1167	459.6468	401.5861	173.8752	70.78652	38.9691	37.05474

**CHAKDARA  
DISCHARGE  
1974**

m3/s	CHAKDARA DISCHARGE 1974											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	34.8	33.4	33.1	153.1	184.8	314.1	348.1	218.2	146.9	105.8	38.5	32.0
2	34.8	36.2	32.5	154.8	174.3	331.1	367.9	236.0	136.4	88.3	37.9	32.0
3	34.5	41.0	34.2	172.3	174.3	365.1	387.7	263.5	130.2	79.2	37.4	34.0
4	34.5	41.7	38.5	173.5	168.4	390.5	328.3	393.4	117.7	73.0	36.8	33.4
5	34.5	42.2	39.6	139.8	165.6	424.5	262.1	339.6	102.2	67.9	35.7	33.1
6	34.0	40.2	36.8	123.7	157.3	387.7	225.0	317.0	100.7	63.1	36.2	32.5
7	33.4	39.1	39.3	120.6	171.5	282.2	285.8	291.5	101.3	60.6	35.9	32.0
8	33.1	37.6	40.8	120.6	239.7	300.0	281.0	282.2	90.8	58.0	35.4	31.7
9	33.1	36.2	40.8	164.7	267.4	302.8	283.0	204.6	90.8	55.2	35.7	31.4
10	33.1	35.7	39.1	133.3	221.6	365.1	333.9	193.3	88.3	54.1	35.7	31.4
11	33.1	35.4	37.4	122.3	200.1	328.3	348.1	193.3	85.7	52.9	35.7	31.4
12	33.1	34.8	36.2	121.4	194.4	282.2	367.9	197.8	79.2	51.5	35.7	31.4
13	33.1	34.2	34.2	127.6	184.0	302.8	345.3	283.0	76.7	50.7	35.4	31.1
14	32.8	34.2	33.1	147.7	172.3	367.9	393.4	278.2	76.1	49.8	33.7	31.4
15	32.5	34.0	32.5	156.5	160.2	353.8	407.5	270.0	73.0	49.5	34.2	32.5
16	32.5	34.0	40.2	135.6	164.7	390.5	503.7	214.8	70.2	49.0	34.2	35.1
17	32.8	36.5	41.9	122.8	170.4	342.4	441.5	184.8	75.6	48.7	33.7	34.0
18	33.4	35.9	37.6	131.6	167.5	393.4	365.1	184.8	70.8	48.1	33.4	32.5
19	33.1	34.8	43.0	135.6	147.7	401.9	356.6	182.8	67.9	47.8	33.1	32.0
20	36.8	34.5	92.8	149.7	138.1	384.9	390.5	180.8	67.9	47.5	33.1	31.4
21	36.2	40.2	143.5	161.0	130.7	353.8	356.6	173.5	65.9	47.5	32.5	30.8
22	34.2	65.4	140.9	154.8	134.7	367.9	342.4	172.3	65.4	46.7	32.5	30.8
23	34.2	94.0	215.9	150.6	178.6	418.8	353.8	172.3	65.9	46.4	32.5	30.6
24	34.2	55.2	203.5	149.7	191.3	319.8	339.6	165.6	67.4	46.1	32.3	30.3
25	33.4	41.0	158.5	185.9	291.5	240.8	362.2	163.6	71.9	45.3	32.0	35.7
26	34.5	39.9	136.4	229.5	300.0	202.3	333.9	168.4	101.3	43.9	32.0	41.0
27	36.5	35.4	125.4	202.3	270.0	205.7	285.8	172.3	88.3	42.5	32.0	46.7
28	35.1	34.5	120.0	200.1	210.3	204.6	248.5	160.2	94.5	41.0	32.0	53.5
29	34.0		125.4	235.2	222.7	229.8	257.2	147.7	92.8	40.8	32.0	43.6
30	33.7		130.7	212.5	258.4	322.6	255.8	211.4	87.2	40.2	31.7	38.5
31	33.7		135.6		305.6		237.2	163.6		39.6		35.9
Total =	1053.0	1140.2	2439.5	4688.7	6118.2	9877.3	10395.4	6780.4	2649.2	1684.7	1029.8	1063.8
Excel Total	1053.0	1140.2	2439.5	4688.7	6118.2	9877.3	10395.4	6780.4	2649.2	1680.7	1029.8	1063.8
Ave.	33.96913	40.72168	78.69226	156.2915	197.3605	329.2422	335.0367	218.7225	88.30543	54.21732	34.3279	34.31603

**CHAKDARA  
DISCHARGE  
1975**

m3/s	CHAKDARA DISCHARGE 1975											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	34.2	28.9	49.5	103.9	270.0	475.4	435.8	319.8	219.0	91.4	50.4	43.9
2	33.1	27.8	42.2	122.3	266.0	498.1	430.2	328.3	213.4	73.9	49.8	49.0
3	31.7	27.3	39.1	163.6	258.4	441.5	441.5	427.3	233.8	75.8	49.0	45.3
4	30.8	27.1	110.7	135.6	276.8	379.2	461.3	421.7	215.6	78.7	48.1	46.4
5	29.7	34.8	97.6	248.5	240.8	384.9	441.5	441.5	227.0	79.2	47.3	49.0
6	28.6	38.5	69.3	270.0	205.7	433.0	387.7	382.1	237.2	77.3	46.4	51.5
7	29.4	35.4	56.0	279.6	184.0	433.0	365.1	353.8	223.6	77.8	67.6	50.4
8	29.7	40.2	45.8	189.0	176.6	441.5	396.2	336.8	206.6	78.7	63.1	50.4
9	28.6	37.9	44.7	160.2	191.3	433.0	444.3	311.3	193.0	79.2	50.4	50.4
10	28.2	36.2	39.3	149.7	223.9	410.4	421.7	302.8	224.7	82.9	50.7	51.2
11	28.2	35.7	54.3	130.2	217.1	393.4	450.0	302.8	172.3	72.2	49.8	50.4
12	28.0	35.4	49.2	122.8	225.0	399.0	492.4	317.0	164.4	67.6	49.0	49.8
13	27.8	47.3	44.1	108.7	278.2	387.7	532.0	537.7	158.5	66.5	48.1	49.5
14	27.6	46.1	42.7	102.2	300.0	441.5	532.0	500.9	155.7	65.4	48.1	49.0
15	27.3	40.2	42.5	93.4	362.2	492.4	523.6	447.1	152.5	63.7	47.3	48.4
16	29.4	37.9	44.1	100.7	863.2	534.9	600.0	427.3	198.7	62.0	47.0	47.8
17	28.9	35.4	41.6	120.6	622.6	571.7	551.9	495.3	167.5	60.8	46.7	47.3
18	27.8	34.5	41.6	171.5	444.3	588.6	492.4	667.9	161.6	65.9	46.4	47.0
19	27.3	34.0	43.6	194.4	396.2	597.1	455.6	650.9	157.6	77.8	46.1	47.0
20	27.3	34.2	47.8	181.7	387.7	585.8	467.0	741.5	161.6	84.9	45.8	46.4
21	27.3	35.1	52.1	193.3	367.9	520.7	452.8	730.1	147.7	72.2	45.6	46.4
22	27.3	34.0	311.3	262.1	379.2	438.7	447.1	616.9	148.6	69.3	45.6	46.1
23	28.2	34.2	260.9	225.0	387.7	387.7	458.5	503.7	131.0	67.1	45.6	45.6
24	27.3	34.2	176.6	242.2	399.0	365.1	435.8	399.0	121.7	63.7	45.3	44.7
25	26.9	33.7	127.6	427.3	393.4	444.3	353.8	328.3	112.4	61.4	45.3	44.7
26	26.2	34.0	98.2	452.8	404.7	486.8	348.1	305.6	103.9	57.4	45.3	46.4
27	26.2	34.5	90.8	452.8	421.7	498.1	376.4	317.0	114.9	56.9	45.0	43.9
28	26.4	42.5	90.3	319.8	458.5	520.7	393.4	276.8	117.4	55.8	44.7	43.9
29	27.6		89.7	288.7	441.5	512.2	382.1	270.3	103.9	53.5	44.4	44.4
30	28.9		88.3	272.8	478.3	483.9	328.3	242.8	95.7	52.4	44.1	43.9
31	29.7		94.0		452.8		297.2	199.8		51.2		43.9
Total =	886.0	996.9	2525.8	6285.1	10974.5	13980.2	13595.3	12904.0	5043.1	2142.6	1447.8	1463.7
Excel Total	886.0	996.9	2525.8	6285.1	10974.5	13980.2	13595.3	12904.0	5041.4	2142.6	1447.8	1463.7
Ave.	28.58117	35.60342	81.47661	209.5049	354.0147	466.0067	438.5587	416.2565	168.0454	69.1159	48.26093	47.21535

**CHAKDARA  
DISCHARGE  
1976**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	43.0	43.6	45.6	87.7	217.3	413.2	393.4	381.9	208.9	104.7	53.5	38.5
2	43.0	42.5	43.6	83.5	202.1	450.0	382.1	580.2	248.5	97.1	50.4	39.1
3	42.7	41.6	52.1	84.9	217.9	475.4	376.4	517.9	206.6	92.0	49.8	38.8
4	42.7	40.2	82.1	193.0	217.9	469.8	384.9	410.4	277.9	84.9	49.8	36.2
5	42.2	39.3	77.3	472.6	211.1	486.8	393.0	481.1	238.9	80.7	49.0	40.5
6	40.2	37.9	62.0	279.3	225.8	467.0	421.7	390.5	207.7	77.8	48.1	40.5
7	42.2	37.4	53.5	208.9	221.3	447.1	444.3	318.1	208.9	87.7	50.7	41.3
8	41.6	45.6	51.5	182.8	249.6	404.7	478.3	333.9	205.5	81.5	47.3	40.5
9	41.3	46.1	77.8	177.4	258.9	435.8	526.4	317.0	202.1	78.7	44.7	41.0
10	41.3	41.6	82.1	217.9	319.8	435.8	517.9	317.0	159.6	72.2	46.1	38.5
11	41.3	39.9	73.3	255.3	350.9	427.3	509.4	311.3	156.5	71.0	43.9	38.5
12	41.0	43.0	64.2	213.4	336.8	435.8	461.3	291.5	159.6	68.8	43.9	38.5
13	43.0	52.9	62.0	188.5	319.8	450.0	450.0	317.0	156.5	65.9	47.0	38.8
14	70.5	61.4	71.0	174.9	294.3	458.5	458.5	305.6	156.5	64.8	45.3	38.5
15	63.7	255.3	84.9	177.4	336.8	467.0	517.9	384.9	141.5	63.7	45.3	37.6
16	50.4	99.6	103.0	179.4	356.6	486.8	481.1	441.5	131.0	63.1	44.7	36.5
17	48.1	66.5	174.3	208.0	387.7	413.2	495.3	424.5	125.1	62.5	42.5	36.5
18	46.1	68.2	124.2	212.3	418.8	401.9	549.0	373.6	120.8	62.0	42.2	36.2
19	44.7	58.6	97.1	229.2	407.5	430.2	492.4	243.4	109.8	60.3	41.0	36.5
20	43.9	63.7	98.8	280.5	370.7	339.6	467.0	384.9	109.8	59.7	41.0	37.4
21	43.6	52.9	97.1	317.0	356.6	336.8	523.6	297.2	101.3	60.3	41.3	36.5
22	43.0	47.8	88.6	333.9	362.2	305.6	461.3	256.4	96.2	58.0	40.5	35.9
23	42.7	46.4	79.2	314.1	387.7	265.2	452.8	233.8	90.0	56.9	39.9	33.4
24	44.7	41.6	87.2	322.6	376.4	251.9	461.3	217.9	90.6	56.9	37.6	33.1
25	44.4	77.8	98.8	308.5	430.2	250.7	450.0	229.2	90.6	87.2	37.9	33.4
26	50.7	71.0	84.9	291.5	359.4	279.3	452.8	246.2	92.8	67.1	39.1	33.4
27	60.8	54.6	96.2	279.0	302.8	328.3	472.6	297.2	90.6	62.5	37.6	33.1
28	62.5	47.3	126.8	262.3	297.2	356.6	401.9	219.0	89.1	60.8	37.4	32.8
29	51.2	39.3	156.5	247.3	328.3	376.4	367.9	252.2	87.2	59.1	37.6	33.1
30	47.3		120.0	232.3	350.9	399.0	359.4	285.8	99.9	56.9	37.6	32.5
31	44.7		99.6		393.4		350.9	205.5		55.2		31.1
Total =	1448.7	1703.7	2715.1	7015.6	9866.8	11945.4	13960.4	10298.9	4459.8	2179.9	1312.0	1137.9
Excel Total	1448.7	1703.7	2715.1	7015.6	9866.8	11945.4	13960.4	10299.2	4459.8	2179.9	1312.6	1138.2
Ave.	46.73152	58.7469	87.58394	233.8523	318.2837	398.181	450.3352	332.2329	148.6599	70.32094	43.7518	36.71514

**CHAKDARA  
DISCHARGE  
1977**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	32.0	50.7	41.6	88.3	167.5	294.3	469.8	271.7	187.3	77.3	30.3	48.1
2	32.5	46.7	39.1	97.9	168.4	328.3	455.6	271.7	164.4	86.3	58.0	46.4
3	31.1	44.7	37.9	94.2	184.0	333.9	450.0	272.8	161.6	81.3	64.2	44.4
4	31.4	42.7	37.9	110.7	177.4	342.4	430.2	300.0	163.6	81.5	64.8	44.4
5	32.0	43.9	37.6	272.8	160.5	322.6	424.5	379.2	134.4	76.4	61.4	42.5
6	31.1	41.6	39.1	431.6	140.7	314.1	435.8	302.8	157.6	72.2	56.9	42.5
7	30.8	41.0	42.2	245.1	134.4	336.8	433.0	248.5	124.5	71.0	55.8	42.5
8	30.6	40.2	46.1	176.3	148.6	370.7	433.0	238.3	139.8	65.9	61.4	42.5
9	32.5	40.2	48.7	154.5	210.0	350.9	410.4	240.6	121.7	63.7	61.4	42.5
10	79.2	40.5	47.0	147.7	182.8	342.4	370.7	264.0	113.2	98.8	60.3	42.5
11	73.3	41.6	47.0	138.7	202.1	350.9	376.4	227.0	101.3	82.1	55.8	42.5
12	52.1	41.6	43.9	139.8	220.2	314.1	532.0	210.0	92.8	72.2	56.3	44.4
13	45.6	41.6	44.7	134.4	206.6	285.8	424.5	203.2	83.5	65.9	54.1	43.6
14	42.7	41.0	51.2	129.3	185.1	305.6	384.9	210.0	95.7	65.9	49.0	43.6
15	41.3	41.0	51.8	126.8	206.6	291.5	444.3	212.3	76.4	60.8	48.7	43.0
16	38.2	40.2	102.2	131.9	172.3	305.6	730.1	248.5	77.3	63.7	44.7	41.3
17	36.8	39.1	74.4	159.6	171.5	353.8	580.2	216.8	79.2	59.1	47.0	40.5
18	36.5	40.2	61.4	171.5	198.7	382.1	447.1	202.1	88.6	56.3	46.4	38.8
19	35.7	41.0	52.9	211.1	246.2	390.5	331.1	204.3	123.4	53.5	47.0	40.2
20	35.7	41.6	49.0	171.5	233.8	410.4	276.8	206.6	133.6	52.4	48.7	39.9
21	34.2	40.2	49.0	157.6	250.7	433.0	281.9	207.7	114.9	50.9	46.4	39.1
22	34.0	37.9	56.3	162.4	274.2	478.3	288.7	208.9	104.7	49.0	47.5	38.8
23	59.1	37.1	71.0	179.4	294.3	489.6	302.8	196.4	92.8	48.7	48.7	38.8
24	64.2	37.9	72.2	163.6	342.4	506.6	359.4	213.4	90.0	194.1	47.0	38.8
25	83.5	37.1	87.2	153.7	311.3	512.2	580.2	202.1	88.6	229.2	47.0	47.3
26	58.6	35.4	92.0	155.7	305.6	486.8	566.0	177.4	90.6	116.6	45.3	48.7
27	56.9	48.1	92.8	199.8	322.6	475.4	486.8	165.6	82.1	78.7	42.7	43.0
28	45.6	45.6	77.3	198.7	305.6	461.3	342.4	169.5	82.1	75.0	42.2	42.5
29	48.1		76.4	186.2	325.5	464.1	305.6	159.6	82.9	66.5	42.2	40.5
30	43.9		94.8	162.4	291.5	600.0	300.0	196.4	83.5	65.4	51.2	40.5
31	41.9		92.8		319.8		291.5	165.6		63.7		40.2
Total =	1374.0	1160.3	1857.3	5053.2	7060.9	11634.1	12945.6	6992.6	3346.2	2448.8	1562.4	1313.7
Excel Total	1371.1	1160.3	1857.3	5053.2	7060.9	11634.1	12945.6	6992.6	3332.0	2447.1	1562.2	1313.7
Ave.	44.23016	41.43929	59.91384	168.4416	227.7694	387.8043	417.5985	225.5693	111.0681	78.93874	52.072	42.37697

**CHAKDARA  
DISCHARGE  
1978**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	39.1	36.2	64.8	85.3	187.3	333.9	503.7	373.6	155.7	77.3	45.6	45.3
2	39.1	35.4	62.5	81.3	193.0	348.1	486.8	345.3	136.1	75.8	49.0	43.6
3	38.5	34.2	52.1	78.7	213.4	396.2	523.6	447.1	138.7	90.0	49.0	42.7
4	38.2	34.2	52.4	114.0	247.3	467.0	483.9	481.1	126.8	84.3	62.5	43.0
5	37.6	34.5	68.2	96.2	348.1	499.1	498.1	367.9	120.0	75.8	58.6	43.6
6	36.5	44.7	87.7	97.1	342.4	489.6	764.1	373.6	114.9	73.9	96.2	43.6
7	37.4	37.4	68.2	108.1	300.0	492.4	699.0	325.5	109.8	69.9	104.7	42.2
8	36.8	34.2	59.7	143.8	300.0	667.9	789.6	302.8	106.4	68.2	72.2	42.2
9	35.9	34.0	54.6	158.5	302.8	492.4	614.1	342.4	98.8	71.0	65.9	41.6
10	35.7	33.7	243.9	186.2	314.1	404.7	515.1	382.1	136.1	69.3	75.6	41.6
11	35.9	33.7	136.1	200.9	305.6	393.4	472.6	483.9	116.6	67.1	63.1	40.2
12	35.9	34.0	107.3	217.9	302.8	418.8	433.0	396.2	111.5	66.5	58.0	41.3
13	35.9	35.1	92.0	231.5	294.3	430.2	410.4	413.2	114.0	65.4	52.9	40.5
14	42.5	35.7	84.9	250.7	294.3	418.8	407.5	291.5	119.1	64.2	52.9	40.2
15	42.2	41.0	87.7	271.7	308.5	396.2	382.1	264.0	224.7	62.5	52.9	41.0
16	39.3	37.9	377.8	248.5	305.6	359.4	362.2	241.7	184.0	64.8	53.5	41.0
17	38.5	36.5	438.7	342.4	319.8	350.9	379.2	236.0	140.7	62.0	50.7	39.9
18	38.5	37.9	238.3	379.2	342.4	356.6	365.1	223.6	121.7	59.0	48.7	38.8
19	36.5	36.2	169.5	279.3	291.5	359.4	376.4	253.0	97.9	62.5	49.5	38.5
20	36.2	35.4	136.1	227.0	294.3	401.9	373.6	314.1	80.1	61.4	49.0	39.1
21	35.9	33.4	110.7	211.1	300.0	427.3	430.2	333.9	76.4	57.4	51.2	38.5
22	35.7	33.4	101.3	231.5	317.0	458.5	390.5	271.7	71.6	58.0	50.4	38.8
23	40.5	34.2	91.4	195.3	356.6	472.6	359.4	266.6	73.3	54.6	50.4	38.5
24	39.6	35.9	80.7	186.2	387.7	489.6	353.8	265.2	62.1	56.3	49.8	38.5
25	37.6	34.5	81.5	194.1	384.9	503.7	333.9	262.6	68.8	53.5	47.8	38.5
26	38.5	36.2	89.1	198.7	483.9	526.4	410.4	257.5	62.5	52.4	47.8	37.6
27	38.8	50.7	130.2	189.6	348.1	557.5	444.3	261.5	91.4	52.1	46.4	37.6
28	42.5	55.8	126.8	210.0	365.1	549.0	373.6	269.1	91.4	50.7	45.3	37.6
29	41.0		112.4	205.5	399.0	560.3	348.1	251.9	79.2	52.1	44.4	37.6
30	38.8		99.6	188.5	390.5	532.0	387.7	208.9	76.4	49.8	43.9	38.5
31	36.2		93.4		384.9		342.4	167.5		49.5		37.6
Total =	1181.2	1036.1	3799.6	5812.8	9925.4	13552.9	14014.2	9674.9	3326.7	1976.5	1687.8	1249.2
Excel Total'	1181.2	1036.1	3799.6	5812.8	9925.4	13552.9	14014.2	9674.9	3326.7	1976.5	1687.8	1249.2
Ave.	38.10458	37.00225	122.5664	193.7607	320.1734	451.7623	452.0697	312.0942	110.8888	63.75716	56.2604	40.29555

**CHAKDARA  
DISCHARGE  
1979**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	33.4	32.0	37.4	139.8	407.5	154.8	515.1	270.0	124.2	79.2	47.3	39.1
2	33.4	31.7	40.8	122.8	314.1	156.2	517.9	285.8	122.8	77.5	47.0	39.1
3	33.1	31.1	49.5	118.6	297.2	149.1	475.4	305.6	147.2	73.9	46.7	38.8
4	32.8	31.1	43.9	122.0	279.3	156.2	467.0	370.7	125.7	71.9	45.8	39.3
5	32.5	30.6	54.3	117.7	251.9	185.9	458.5	319.8	119.1	65.4	44.4	38.2
6	32.5	30.0	195.0	125.1	256.1	237.7	464.1	302.8	120.6	66.2	43.6	38.5
7	32.5	29.7	119.1	156.2	234.9	274.8	478.3	305.6	129.3	65.4	44.1	37.4
8	32.5	29.7	100.7	163.9	232.1	317.0	509.4	319.8	173.2	64.0	59.1	36.5
9	32.5	29.7	74.4	150.0	401.9	362.2	509.4	331.1	158.8	64.0	64.0	36.8
10	32.5	29.7	68.2	150.8	367.9	384.9	506.6	350.9	151.7	58.3	54.9	37.1
11	32.5	29.4	64.0	153.1	300.0	410.4	523.6	285.8	137.5	57.7	51.2	36.8
12	32.5	28.9	54.9	163.0	279.3	416.0	515.1	260.6	148.6	58.3	48.4	36.5
13	32.5	31.1	57.4	164.7	243.4	376.4	532.0	221.6	145.5	59.1	46.1	36.5
14	56.6	30.6	55.2	174.0	216.5	325.5	500.9	208.6	140.4	60.6	45.8	36.5
15	41.6	30.0	54.9	181.4	206.3	308.5	475.4	212.0	139.8	57.4	46.4	37.4
16	44.4	29.7	52.4	158.8	193.9	345.3	458.5	297.2	177.7	56.6	45.0	37.4
17	39.9	32.3	52.4	157.9	173.2	390.5	467.0	265.5	168.1	54.3	45.3	36.2
18	35.9	42.2	50.1	212.0	177.7	421.7	427.3	239.1	154.8	54.1	43.6	37.1
19	35.7	101.3	49.5	461.3	193.9	447.1	396.2	256.1	157.1	52.4	42.7	36.8
20	35.1	115.2	50.9	291.5	212.0	452.8	435.8	314.1	148.6	51.8	41.9	36.8
21	34.5	68.2	55.2	219.0	191.0	483.9	427.3	302.8	138.1	53.2	41.0	36.5
22	34.2	54.1	55.8	216.5	173.2	452.8	413.2	271.7	131.6	53.5	41.0	36.5
23	33.4	49.5	56.6	234.9	165.6	498.1	376.4	233.5	123.4	51.8	40.5	36.5
24	34.2	44.4	55.2	257.5	174.0	500.9	401.9	268.6	125.7	50.7	40.8	36.5
25	33.4	43.0	54.1	266.9	196.1	495.3	350.9	249.0	125.1	50.1	40.8	36.5
26	33.1	43.3	54.3	285.8	216.5	515.1	285.8	204.0	117.7	48.7	40.8	36.5
27	32.8	41.0	62.8	277.9	189.9	517.9	300.0	165.6	108.4	48.4	40.5	36.5
28	32.8	38.8	68.2	291.5	191.9	537.7	291.5	169.0	100.2	48.7	39.9	35.9
29	32.3		84.3	342.4	174.0	566.0	239.1	162.2	94.5	48.1	39.9	36.2
30	32.3		308.5	410.4	160.5	554.7	233.5	138.1	85.5	48.1	39.9	40.5
31	32.3		187.9		154.0		262.3	125.1		47.5		39.6
Total =	1080.2	1158.3	2367.9	6287.4	7225.6	11395.3	13215.3	8012.3	4040.7	1796.8	1358.4	1156.3
Excel Total'	1080.2	1158.3	2367.9	6287.4	7225.6	11395.3	13215.3	8012.3	4040.7	1796.8	1358.4	1156.3
Ave.	34.84552	41.36854	76.38261	209.5804	233.0825	379.8426	426.2984	258.4612	134.6891	57.96023	45.28	37.30123

**CHAKDARA  
DISCHARGE**

**1980**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	43.6	39.9	54.6	172.3	276.2	382.1	373.6	317.0	167.3	74.4	80.9	50.1
2	41.9	39.6	49.8	201.8	314.1	376.4	365.1	260.6	162.2	73.0	73.3	49.8
3	39.6	46.4	47.8	223.0	322.6	331.1	396.2	616.9	133.9	71.3	66.2	49.2
4	37.1	43.0	45.6	175.7	311.3	317.0	416.0	430.2	128.8	71.3	64.5	48.1
5	35.7	46.1	238.6	166.4	331.1	339.6	435.8	362.2	130.7	70.5	66.8	47.0
6	35.1	43.9	206.3	226.7	336.8	382.1	450.0	319.8	116.6	69.3	64.5	46.4
7	33.7	41.3	128.8	233.5	339.6	433.0	390.5	359.4	109.8	69.3	60.8	45.8
8	33.4	39.9	109.0	208.6	308.5	438.7	390.5	294.3	109.8	69.3	57.7	45.3
9	33.4	39.6	94.0	201.8	317.0	450.0	393.4	297.2	117.2	71.9	56.0	45.3
10	33.4	39.6	86.0	187.9	302.8	492.4	367.9	249.0	152.5	75.8	54.9	45.3
11	32.3	38.5	83.2	193.0	279.3	492.4	382.1	226.7	174.0	98.2	53.5	45.6
12	31.7	38.2	78.1	174.9	283.0	534.9	430.2	212.0	168.1	98.2	53.2	45.6
13	31.1	39.9	73.3	166.4	294.3	506.6	407.5	202.9	141.2	83.2	50.9	43.9
14	30.6	63.7	69.3	176.6	294.3	438.7	407.5	210.8	130.2	79.2	50.9	43.0
15	30.8	73.9	100.7	184.0	305.6	396.2	418.8	205.2	119.1	75.6	50.7	43.0
16	32.5	56.3	122.0	199.5	288.7	384.9	367.9	201.8	110.4	71.3	49.8	42.2
17	32.3	50.9	109.8	210.8	297.2	433.0	350.9	191.0	104.4	67.9	48.7	41.9
18	31.4	48.7	187.9	265.2	285.8	444.3	362.2	196.1	97.1	66.2	48.1	41.3
19	34.0	46.7	144.9	285.8	298.0	450.0	408.4	174.9	99.6	65.4	47.5	41.3
20	32.0	48.4	126.5	277.6	273.1	452.8	339.6	154.0	90.8	64.8	46.7	41.3
21	31.7	48.4	124.2	260.6	237.7	517.9	300.0	142.6	85.5	64.0	46.1	41.6
22	32.0	61.0	214.2	217.6	223.0	500.9	294.3	142.6	83.8	61.7	46.1	41.6
23	31.4	67.9	165.6	201.8	219.0	492.4	314.1	147.2	83.8	60.0	45.6	41.0
24	31.4	59.4	268.6	198.4	223.0	492.4	285.8	154.8	112.4	58.6	45.0	41.0
25	31.0	51.8	209.7	221.6	244.8	532.0	271.7	154.0	101.9	57.7	45.0	40.8
26	83.2	48.4	160.5	233.5	300.0	529.2	277.3	173.2	87.7	57.4	48.1	43.3
27	61.4	49.8	141.2	263.8	376.4	469.8	308.5	165.6	84.9	54.3	66.2	42.5
28	47.3	79.8	135.3	273.1	396.2	492.4	274.5	178.6	81.5	53.5	55.8	42.7
29	44.7	62.3	173.2	257.5	435.8	441.5	300.0	164.7	78.7	57.7	53.2	48.4
30	41.6		172.3	262.1	435.8	393.4	273.1	160.5	75.6	59.4	51.2	45.0
31	41.0		163.0		416.0		379.2	149.1		96.5		43.9
Total =	1165.1	1456.3	4084.0	6521.5	9566.2	13337.8	11138.0	7214.8	3439.3	2168.1	1648.2	1373.1
Excel Total	1165.1	1456.3	4084.0	6521.5	9567.1	13337.8	11132.7	7214.8	3439.3	2167.2	1648.2	1373.1
Ave.	37.58423	50.21786	131.7411	217.3817	308.6161	444.593	359.1179	232.7355	114.6433	69.91013	54.93973	44.29406

**CHAKDARA  
DISCHARGE**

**1981**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	37.4	31.1	86.6	158.2	331.1	342.1	543.4	283.0	146.6	86.0	43.3	33.7
2	37.4	29.4	85.5	154.0	353.8	308.5	481.1	300.0	137.8	94.5	40.8	34.2
3	42.7	31.7	73.0	365.1	382.1	297.2	472.6	266.0	139.2	82.1	40.8	34.5
4	46.1	37.1	68.5	269.1	424.5	291.5	469.8	259.8	143.5	76.4	40.5	34.2
5	53.5	39.9	65.1	204.0	534.9	314.1	416.0	266.0	130.2	72.2	38.2	34.2
6	55.8	35.4	130.2	172.1	410.4	359.4	495.3	281.6	119.1	68.5	37.4	33.4
7	52.9	33.7	99.1	168.1	433.0	387.7	373.6	311.3	116.0	65.1	36.2	34.0
8	49.8	33.7	83.2	156.8	336.8	365.1	367.9	300.0	101.3	62.3	34.5	32.3
9	48.4	32.8	76.1	168.1	325.5	342.4	362.2	308.5	94.0	61.1	33.7	32.5
10	42.7	32.5	76.1	186.2	325.5	297.2	325.5	331.1	84.6	60.6	33.4	32.3
11	41.9	32.3	71.9	213.7	331.1	246.2	328.3	319.8	86.6	56.6	39.1	31.7
12	39.6	32.3	65.1	243.9	311.3	212.8	350.9	308.5	82.1	60.3	57.2	32.0
13	38.5	34.5	62.3	259.8	401.9	199.8	404.7	291.5	77.8	62.5	54.9	30.6
14	39.1	135.6	63.1	276.2	413.2	204.9	438.7	279.3	84.6	54.9	51.8	30.6
15	39.1	78.4	78.4	478.3	401.9	213.4	483.9	261.8	83.5	56.9	51.2	30.6
16	39.1	60.6	97.1	455.6	393.4	228.9	503.7	253.9	84.6	62.0	51.2	30.6
17	37.4	53.5	91.4	353.8	387.7	266.0	489.6	227.8	85.5	90.3	50.7	30.0
18	35.9	48.7	84.6	333.9	404.7	319.8	467.0	211.1	90.3	71.6	50.7	30.0
19	35.1	47.3	143.5	348.1	418.8	339.6	418.8	205.7	109.0	67.6	43.3	30.0
20	34.2	45.8	229.8	342.4	424.5	294.3	373.6	205.7	101.3	62.0	42.2	29.7
21	33.1	44.4	255.8	701.8	356.6	387.7	370.7	209.1	101.9	60.3	41.6	29.4
22	32.5	42.2	176.0	447.1	367.9	339.6	379.2	205.7	104.1	56.9	41.0	29.4
23	31.1	43.3	146.6	305.6	302.8	333.9	455.6	180.3	109.0	56.0	40.8	29.1
24	32.8	48.1	139.2	288.7	435.8	401.9	467.0	167.3	137.0	53.2	41.6	29.1
25	35.9	98.5	138.4	305.6	489.6	421.7	421.7	160.5	142.1	51.2	47.0	28.9
26	33.4	70.2	135.0	322.6	489.6	450.0	350.9	174.3	91.4	50.1	44.1	28.6
27	33.1	67.1	139.8	302.8	472.6	452.8	300.0	206.6	86.0	49.8	42.2	28.6
28	33.4	67.9	147.2	302.8	483.9	498.1	325.5	177.7	82.1	50.9	40.8	28.9
29	32.8		154.0	373.6	472.6	512.2	359.4	210.0	116.0	50.1	40.5	29.1
30	30.6		281.6	336.8	460.7	540.5	294.3	164.1	90.8	47.5	36.8	28.9
31	32.5		193.0		399.0		345.3	150.3		46.1		28.6
Total =	1207.8	1387.8	3737.0	8994.9	12474.6	10169.6	12636.0	7478.3	3158.0	1943.4	1287.1	958.2
Excel Total	1207.8	1387.8	3737.0	8994.9	12476.9	10169.6	12636.0	7478.3	3158.0	1945.6	1287.1	959.7
Ave.	38.96271	49.56543	120.5489	299.8291	402.4808	338.9868	407.6113	241.2347	105.2666	62.7621	42.9028	30.95655

**CHAKDARA  
DISCHARGE**

**1982**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	35.4	33.1	45.0	122.3	181.1	207.7	224.1	342.4	91.4	60.3	63.7	62.5
2	35.1	33.1	42.5	114.9	217.9	157.9	193.6	433.0	87.2	58.6	62.8	64.0
3	34.8	36.8	41.3	108.4	225.8	151.4	192.2	370.7	86.3	56.3	61.1	60.3
4	34.8	36.8	39.1	99.6	232.9	165.6	192.7	342.4	85.5	53.5	65.1	58.0
5	34.8	34.5	44.4	101.3	256.7	192.2	188.8	342.4	85.2	50.1	63.1	57.4
6	34.5	32.8	44.4	94.0	275.6	214.5	185.4	350.9	84.3	50.7	60.6	56.6
7	34.0	33.1	41.6	81.2	281.9	246.5	182.0	418.8	84.6	49.8	60.0	54.9
8	33.1	32.5	40.2	81.8	281.0	288.7	186.8	342.4	86.3	50.1	59.1	57.2
9	33.1	32.3	41.3	92.3	294.3	314.1	180.0	297.2	77.8	49.8	56.9	66.2
10	33.1	31.7	53.2	105.0	311.3	308.5	194.1	370.7	74.4	47.8	55.5	64.2
11	32.5	36.2	46.1	110.1	264.9	314.1	185.4	302.8	70.8	47.0	65.7	59.7
12	31.7	35.4	44.7	110.1	203.8	317.0	202.3	274.8	68.8	43.3	65.1	56.9
13	30.6	32.8	42.2	110.7	166.7	322.6	204.3	258.4	65.7	44.1	65.7	58.9
14	30.6	32.3	41.0	119.1	140.4	328.3	196.1	233.8	66.5	39.9	63.4	69.1
15	29.7	30.8	45.3	132.4	126.2	302.8	182.5	229.8	65.4	38.2	90.3	60.6
16	29.4	34.2	53.8	180.6	115.7	305.6	184.5	251.3	63.7	38.5	150.8	56.9
17	28.9	36.2	61.7	210.6	114.0	288.7	160.5	308.5	65.4	44.7	111.8	55.5
18	28.9	33.1	57.4	160.2	126.2	232.1	196.1	239.4	68.2	62.8	103.3	52.6
19	30.0	33.1	54.6	132.7	137.5	198.9	207.7	222.7	71.3	56.3	94.8	50.1
20	29.1	42.5	51.5	133.9	148.9	198.9	225.0	222.7	66.2	59.7	86.3	47.0
21	28.0	39.9	58.9	143.5	184.0	207.7	314.1	213.9	67.6	63.7	82.1	45.3
22	32.3	34.5	246.5	160.2	213.9	206.3	243.4	190.2	73.6	61.1	73.6	45.0
23	34.5	35.1	135.3	184.0	251.3	186.8	245.6	179.1	83.5	81.2	69.1	44.7
24	32.5	34.5	92.0	202.9	238.6	163.3	336.8	172.3	78.7	89.4	66.5	43.9
25	33.1	33.1	86.9	196.1	205.7	144.0	317.0	160.2	76.7	91.4	64.2	43.3
26	32.8	32.5	78.4	215.9	227.5	145.5	285.8	146.0	68.5	108.4	65.1	42.7
27	32.0	32.8	75.0	265.7	214.5	183.4	262.9	127.6	65.1	89.4	63.1	42.5
28	31.7	42.5	72.7	192.7	211.7	198.9	255.8	113.5	64.0	78.4	60.8	43.0
29	31.1		82.9	187.3	202.3	204.3	275.6	109.0	62.8	73.3	60.3	45.0
30	34.8		111.8	179.1	198.1	240.0	272.8	104.7	60.6	69.6	59.7	56.9
31	36.2		147.2		209.7		262.1	99.8		65.7		47.0
Total =	1003.2	968.4	2118.8	4328.5	6460.3	6936.3	6964.3	7770.6	2215.9	1873.2	2169.5	1667.7
Excel Total	1003.2	968.4	2118.8	4328.5	6460.3	6936.3	6936.0	7770.6	2215.9	1873.2	2169.5	1667.7
Ave.	32.36059	34.56664	68.34906	144.2828	208.3975	231.211	223.7435	250.665	73.863	60.42506	72.31593	53.79739

**CHAKDARA  
DISCHARGE**

**1983**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	44.4	52.1	201.2	93.1	205.5	258.7	458.5	356.6	262.6	83.8	51.3	47.8
2	43.0	49.2	148.3	99.3	176.0	242.5	455.6	478.3	418.8	80.1	53.2	47.5
3	42.5	47.8	103.6	103.0	171.2	229.8	441.5	376.4	345.3	78.1	52.6	47.5
4	41.6	46.1	90.0	118.9	163.3	208.9	370.7	348.1	263.8	76.1	51.8	47.5
5	42.2	45.3	86.0	121.1	217.9	208.0	319.8	356.6	233.5	73.6	51.5	47.3
6	42.5	45.0	74.1	126.6	228.1	214.5	258.7	339.6	220.7	73.6	51.8	47.3
7	42.7	44.7	70.5	147.7	226.1	215.4	240.6	325.5	214.5	72.4	50.4	47.0
8	42.5	42.5	77.3	165.6	251.6	215.4	243.4	336.8	201.8	71.6	50.4	46.7
9	41.9	42.2	149.7	181.4	275.1	199.8	248.5	325.5	188.5	71.3	49.8	46.4
10	40.8	41.6	140.1	168.1	322.6	196.4	247.3	314.1	193.3	71.0	49.8	46.4
11	39.6	41.0	157.1	149.7	319.8	283.0	234.3	294.3	188.5	70.5	49.5	46.1
12	39.6	40.2	127.4	162.4	270.0	328.3	229.8	275.9	180.0	70.2	49.2	46.1
13	38.8	39.6	108.7	204.3	282.2	356.6	213.4	243.4	174.3	70.5	48.7	45.8
14	37.6	38.2	99.3	175.2	283.0	393.4	195.8	233.5	163.3	70.2	48.7	46.1
15	40.8	41.6	95.9	148.3	291.5	393.4	194.1	230.6	158.5	70.5	48.4	47.0
16	38.8	42.5	99.3	227.5	314.1	362.2	211.7	219.9	151.1	68.2	48.4	47.0
17	37.9	41.9	94.0	158.5	322.6	367.9	206.3	228.1	140.4	66.2	48.1	47.0
18	37.6	41.0	96.2	138.7	342.4	325.5	212.5	245.4	127.9	65.4	48.1	47.0
19	37.1	40.8	113.2	125.9	424.5	311.3	217.9	275.1	117.7	63.7	48.1	46.7
20	36.2	40.5	128.5	129.3	376.4	317.0	229.8	348.1	108.1	64.2	47.8	46.7
21	36.8	40.2	105.8	142.1	322.6	325.5	255.5	319.8	97.4	63.4	47.8	46.4
22	37.4	39.9	98.2	159.3	277.9	339.6	280.2	305.6	92.3	61.7	47.8	49.0
23	37.1	47.8	88.6	182.3	260.6	370.7	390.5	277.9	86.3	61.1	47.8	48.1
24	38.2	111.8	83.2	170.4	257.5	382.1	404.7	268.9	81.5	61.1	47.5	47.3
25	35.7	76.1	118.3	167.3	251.6	373.6	410.4	339.6	77.3	59.7	47.3	46.7
26	37.1	63.4	233.2	207.2	243.4	393.4	390.5	498.1	74.1	58.3	47.3	46.7
27	42.5	58.3	144.9	393.4	252.4	424.5	387.7	452.8	77.0	57.7	47.3	46.4
28	90.8	56.3	120.6	294.3	253.6	424.5	359.4	362.2	76.4	56.9	47.5	46.4
29	69.6		103.6	250.5	267.7	433.0	333.9	300.0	79.0	55.5	47.5	46.4
30	67.9		96.2	237.2	236.0	433.0	339.6	259.8	79.0	55.2	48.1	46.1
31	59.7		91.7		265.7		348.1	263.8		54.3		46.1
Total =	1358.7	1357.6	3544.6	5148.4	8353.0	9527.5	9331.6	9800.0	4869.9	2076.1	1476.1	1452.6
Excel Total	1358.7	1357.6	3544.6	5148.4	8353.0	9527.5	9330.8	9800.0	4872.7	2076.1	1476.1	1452.6
Ave.	43.82848	48.48396	114.3411	171.6131	269.4525	317.5826	300.9933	316.1293	162.4231	66.97058	49.20427	46.85932

**CHAKDARA  
DISCHARGE  
1984**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	45.8	41.0	35.1	126.2	123.7	540.5	396.2	263.2	260.9	69.6	45.0	51.8
2	46.4	43.3	34.2	376.4	129.6	597.1	399.0	254.1	317.0	69.6	43.3	51.2
3	46.4	42.5	34.2	233.8	151.7	597.1	353.8	259.8	317.0	69.1	42.5	49.5
4	46.4	46.4	33.4	161.0	159.3	580.2	350.9	260.9	241.7	65.7	41.9	47.0
5	46.4	43.3	34.2	112.6	174.3	611.3	328.3	319.8	215.6	64.8	41.3	45.8
6	45.6	41.6	34.8	107.5	190.2	602.8	311.3	275.6	210.0	63.1	40.2	45.8
7	45.6	45.0	31.7	84.9	188.2	560.3	365.1	271.1	200.9	62.0	40.5	45.6
8	45.6	45.0	33.1	77.0	220.2	557.5	322.6	314.1	202.1	60.3	40.2	45.8
9	45.0	42.7	34.8	75.6	205.5	583.0	281.3	348.1	185.1	60.0	42.5	58.3
10	45.0	44.1	35.9	68.5	172.3	549.0	267.7	291.5	155.9	63.7	48.1	52.4
11	44.7	45.8	39.3	68.5	203.2	526.4	291.5	273.4	142.3	60.8	44.7	48.7
12	45.0	44.1	40.2	77.0	254.1	509.4	283.0	288.7	133.0	60.8	43.6	47.5
13	47.0	42.7	39.3	84.9	253.0	506.6	279.0	267.7	125.4	59.4	42.5	50.7
14	45.0	41.0	38.2	105.6	225.8	506.6	283.0	271.1	144.9	59.3	42.7	48.1
15	45.0	41.6	40.2	107.0	229.2	503.7	291.5	266.6	123.7	57.7	45.0	45.8
16	45.6	44.7	54.9	97.1	200.1	492.4	345.3	359.4	111.8	57.7	43.6	45.6
17	44.7	57.2	112.6	101.9	186.2	506.6	302.8	300.0	109.0	57.2	55.5	45.6
18	44.1	62.0	197.3	95.7	179.1	534.9	339.6	273.4	121.1	56.6	59.4	44.7
19	43.6	57.7	139.0	104.7	230.4	467.0	350.9	280.2	144.9	55.5	52.9	43.3
20	43.6	65.4	90.0	133.9	198.1	418.8	356.6	308.5	131.3	54.6	49.5	42.7
21	43.3	52.9	75.6	150.8	215.6	390.5	350.9	291.5	116.9	54.1	53.5	42.5
22	42.7	41.6	72.2	107.5	246.2	387.7	302.8	305.6	113.2	52.9	84.3	42.5
23	42.5	39.3	78.1	107.5	297.2	396.2	276.8	317.0	101.3	52.4	92.8	41.9
24	41.9	38.5	84.3	131.3	276.8	416.0	276.8	273.4	109.0	51.8	73.3	41.0
25	41.9	36.8	148.3	167.0	288.7	433.0	266.6	262.1	100.5	51.2	62.0	41.0
26	41.0	36.8	109.8	184.2	362.2	438.7	271.1	255.3	92.0	50.7	57.7	40.5
27	41.0	36.8	84.3	223.6	373.6	481.1	248.5	294.3	85.7	50.1	54.9	40.5
28	41.9	35.9	79.8	212.3	365.1	500.9	267.7	285.8	82.4	50.7	54.6	40.2
29	39.3	34.8	79.2	155.9	435.8	450.0	331.1	263.2	78.1	48.7	54.1	39.6
30	38.2		78.7	128.8	475.4	410.4	311.3	239.4	73.3	47.0	51.8	44.1
31	38.2		78.1		534.9		267.7	241.7		45.8		45.0
Total =	1358.4	1290.8	2101.0	3968.5	7745.7	15055.6	9670.7	8776.4	4545.8	1781.8	1543.8	1414.7
Excel Total	1358.4	1290.8	2101.0	3968.5	7745.7	15055.6	9670.7	8776.4	4545.8	1781.8	1543.8	1414.7
Ave.	43.81935	44.50907	67.77394	132.2836	249.8616	501.8533	311.9573	283.1095	151.5276	57.47639	51.45883	45.63503

**CHAKDARA  
DISCHARGE  
1985**

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	41.9	40.5	40.2	81.2	144.0	232.6	259.8	370.4	127.9	59.4	35.7	26.0
2	40.2	40.5	41.3	74.4	127.1	262.1	203.2	291.5	118.9	59.4	40.2	24.8
3	39.9	40.5	41.0	75.6	113.2	274.5	173.2	407.5	111.8	60.3	36.2	24.8
4	39.3	41.3	42.5	78.7	107.5	285.8	167.0	328.3	116.0	61.4	35.4	24.5
5	40.2	50.7	44.1	75.0	112.6	308.5	200.1	322.6	143.2	120.6	33.7	24.5
6	41.9	44.1	41.3	89.1	126.2	312.4	279.0	325.5	126.2	85.7	33.7	24.8
7	39.9	42.5	42.5	129.6	144.0	331.1	319.8	384.9	118.3	81.2	32.5	27.1
8	38.5	42.5	40.5	190.2	234.9	294.3	339.6	342.4	111.2	67.9	31.4	60.0
9	38.2	42.5	41.3	200.9	285.8	317.0	322.6	251.9	99.9	97.6	31.7	34.5
10	37.6	41.0	37.1	139.8	255.3	345.3	317.0	234.9	97.1	108.4	35.7	32.5
11	37.4	39.6	36.2	110.4	215.6	339.6	317.0	205.5	90.6	86.3	33.4	31.1
12	37.4	38.8	36.2	96.2	182.3	317.0	410.4	196.1	87.7	73.9	32.3	29.7
13	36.8	38.2	35.7	90.0	172.3	273.4	367.9	200.1	85.7	66.8	31.4	29.7
14	36.8	37.9	33.7	104.7	152.5	280.2	336.8	195.0	89.1	62.0	30.6	33.1
15	36.8	37.9	33.7	94.8	147.4	243.9	328.3	213.4	82.4	67.9	29.4	34.2
16	36.5	37.9	34.2	97.6	151.7	232.6	362.2	182.3	81.2	61.4	28.9	50.1
17	35.9	37.4	33.1	105.6	147.4	220.2	430.2	173.2	79.2	57.7	28.3	39.6
18	58.3	37.4	33.4	114.0	148.3	217.9	430.2	175.2	91.4	53.5	27.7	37.4
19	63.1	38.8	31.4	110.4	166.1	257.5	718.8	228.9	97.6	50.1	27.1	33.7
20	48.1	41.3	29.1	101.3	192.2	249.6	410.4	190.2	82.4	48.1	25.7	31.7
21	60.0	38.8	28.9	114.0	191.0	234.9	311.3	178.3	79.8	45.8	25.4	31.1
22	49.5	36.5	31.4	115.5	200.9	222.4	271.1	169.5	85.7	44.1	31.1	30.6
23	44.7	37.1	41.3	135.6	254.1	224.7	275.6	171.2	85.7	42.7	30.6	31.1
24	42.7	36.5	45.8	125.4	271.1	241.7	266.6	167.8	84.3	43.3	29.4	34.5
25	42.7	37.1	52.4	133.9	222.4	243.9	390.5	175.2	78.1	45.8	28.1	71.6
26	54.9	37.9	67.4	132.2	192.2	249.6	376.4	169.5	70.8	47.5	27.7	80.7
27	50.1	38.8	217.1	139.8	184.2	270.0	424.5	150.8	70.8	44.1	27.4	64.8
28	45.6	39.6	150.0	157.6	221.3	280.2	342.4	142.3	68.5	41.3	26.7	52.4
29	43.6		111.2	140.7	238.3	300.0	297.2	141.5	64.8	39.6	27.1	45.0
30	43.3		89.1	141.5	223.6	289.7	300.0	146.6	60.8	38.2	26.7	42.7
31	42.5		81.2		205.5		277.9	138.1		36.5		37.9
Total =	1344.3	1113.3	1664.3	3495.6	5731.3	8181.5	10226.8	6970.9	2787.3	1898.9	921.1	1176.3
Excel Total	1344.3	1113.3	1664.3	3495.6	5731.3	8181.5	10226.8	6970.9	2787.3	1898.9	921.1	1176.3
Ave.	43.3629	39.7615	53.68784	116.5205	184.8812	272.7177	329.8958	224.8663	92.9089	61.25581	30.70267	37.94391

**CHAKDARA  
DISCHARGE  
1986**

m3/s	1986											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	37.6	30.3	43.3	125.4	178.3	203.2	373.6	438.7	116.9	73.9	40.8	39.3
2	36.8	30.6	42.7	105.6	210.0	174.3	370.7	469.8	117.4	73.3	39.9	39.3
3	34.8	30.6	42.5	97.6	229.2	169.5	382.1	515.1	114.6	71.0	38.5	39.9
4	33.4	33.1	42.7	92.0	205.5	168.7	404.7	625.4	125.4	69.6	38.2	39.3
5	33.1	31.4	41.9	99.9	213.4	163.6	455.6	568.8	127.9	70.8	37.4	41.0
6	34.0	29.7	44.1	116.9	238.3	154.2	475.4	472.6	116.0	69.1	35.9	40.2
7	34.2	29.4	43.3	126.2	260.9	158.5	526.4	469.8	107.5	67.4	35.1	41.0
8	33.4	28.6	40.2	128.8	276.8	167.8	523.6	421.7	99.9	67.4	34.8	40.8
9	32.5	28.3	41.6	134.7	291.5	166.1	495.3	373.6	96.2	65.7	33.1	38.5
10	33.1	29.4	45.8	163.6	273.4	228.1	435.8	342.4	94.8	64.2	32.3	36.8
11	32.5	34.2	122.5	174.3	275.6	274.5	404.7	336.8	93.4	63.7	31.7	179.1
12	32.3	39.3	107.5	345.3	275.6	297.2	350.9	265.5	94.8	65.4	30.6	75.0
13	32.3	87.2	111.2	300.0	281.3	291.5	325.5	238.3	91.4	66.2	30.3	89.1
14	31.4	69.1	189.0	217.9	294.3	267.7	342.4	239.4	96.2	67.4	31.4	66.8
15	30.3	57.7	167.8	190.2	300.0	283.0	373.6	233.8	107.0	62.5	61.4	58.3
16	29.7	51.2	119.7	180.3	271.1	294.3	407.5	236.0	93.4	61.4	55.5	51.2
17	29.1	51.2	116.0	167.8	276.8	291.5	495.3	232.6	84.3	63.1	43.3	44.7
18	29.1	88.6	172.3	176.3	281.3	308.5	659.4	264.3	77.5	63.1	39.1	41.6
19	28.6	69.6	128.8	186.8	241.7	339.6	529.2	282.4	76.1	60.3	37.6	39.1
20	27.6	59.4	114.0	208.9	204.3	362.2	540.5	336.8	73.9	57.7	36.8	35.9
21	27.2	72.7	90.6	217.9	177.2	367.9	495.3	373.6	74.4	54.6	35.1	34.2
22	81.2	64.2	83.8	232.6	166.1	396.2	495.3	317.0	70.2	51.2	35.9	35.7
23	161.0	60.0	78.1	225.8	163.6	435.8	421.7	294.3	68.5	49.2	35.9	33.4
24	40.2	56.0	76.1	232.6	182.3	483.9	382.1	267.7	67.9	47.5	34.8	30.3
25	34.2	52.9	70.2	325.5	216.8	483.9	353.8	265.5	67.9	47.0	39.9	30.3
26	33.4	49.5	70.8	455.6	251.9	489.6	339.6	274.5	69.1	45.6	93.4	29.7
27	32.3	47.5	94.2	297.2	221.3	444.3	350.9	202.1	69.6	45.0	71.6	29.4
28	31.7	45.6	404.7	228.1	222.4	384.9	495.3	158.5	71.6	44.7	54.9	29.4
29	31.7		236.0	186.2	253.0	401.9	396.2	145.7	88.6	43.3	46.4	28.6
30	31.7		177.2	170.4	240.6	379.2	376.4	133.9	76.4	42.7	42.5	28.6
31	30.6		155.1		214.5		384.9	128.8		41.9		28.0
Total =	1181.2	1357.6	3313.9	5910.2	7388.8	9031.7	13363.3	9925.1	2729.0	1835.8	1254.0	1414.7
Excel Total	1181.2	1357.6	3313.9	5910.2	7388.8	9031.7	13363.3	9925.1	2729.0	1835.8	1254.0	1414.7
Ave.	38.10181	48.48396	106.901	197.0057	238.3499	301.0554	431.0729	320.1643	90.96563	59.22003	41.7991	45.63421

**CHAKDARA  
DISCHARGE  
1987**

m3/s	1987											
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	27.6	22.7	41.0	136.4	260.9	370.7	424.5	281.3	212.3	68.5	98.5	51.8
2	27.6	22.4	39.3	165.3	216.8	348.1	430.2	263.2	200.1	78.1	84.9	54.6
3	26.5	23.4	40.8	236.0	204.3	517.9	430.2	258.7	195.0	72.7	87.7	54.6
4	26.5	22.7	39.1	187.1	216.8	438.7	433.0	250.7	180.3	69.1	84.9	54.9
5	26.5	21.7	46.4	146.6	238.3	418.8	452.8	243.9	184.2	66.2	79.2	54.6
6	26.5	22.4	146.3	129.6	248.5	435.8	444.3	246.2	174.3	64.2	76.4	54.1
7	26.1	23.7	172.3	127.1	285.8	478.3	469.8	272.2	170.4	62.5	77.5	53.5
8	26.1	36.5	137.3	166.1	265.5	512.2	500.9	265.5	165.3	62.0	75.6	54.1
9	25.8	34.8	102.7	260.9	250.7	481.1	486.8	274.5	193.0	60.8	75.0	53.5
10	25.8	29.7	82.4	184.2	217.9	472.6	481.1	264.3	215.6	489.6	73.9	52.4
11	25.1	31.1	70.2	150.0	197.0	410.4	483.9	272.2	163.6	679.2	71.6	51.2
12	25.4	31.4	66.8	125.4	177.2	387.7	500.9	280.2	154.2	302.8	71.0	50.1
13	27.2	31.7	82.9	114.6	181.1	382.1	458.5	272.2	144.0	217.9	70.2	49.5
14	27.2	31.7	109.0	105.6	167.0	359.4	384.9	273.4	139.0	156.6	67.9	49.5
15	25.8	30.3	104.1	105.6	160.2	336.8	359.4	253.0	127.1	127.1	65.7	48.7
16	25.4	32.3	179.1	107.0	167.8	325.5	348.1	247.3	117.4	114.6	60.8	48.7
17	25.4	37.6	174.3	121.1	191.0	291.5	350.9	241.7	111.2	109.0	60.0	47.0
18	24.4	40.2	120.3	147.4	230.4	281.3	362.2	272.2	107.0	127.9	59.4	45.6
19	24.1	35.1	113.2	158.5	225.8	291.5	365.1	234.9	102.7	110.4	57.7	45.0
20	23.7	33.4	133.9	192.2	255.3	322.6	359.4	236.0	100.5	107.0	56.0	44.7
21	23.7	32.5	254.1	251.9	258.7	317.0	365.1	274.5	111.8	97.1	55.5	44.7
22	23.0	31.7	231.5	348.1	345.3	268.9	376.4	281.3	97.1	96.2	55.5	44.7
23	23.0	32.5	288.7	353.8	317.0	227.0	441.5	271.1	87.7	96.2	54.1	44.1
24	22.7	86.3	204.3	285.8	280.2	249.6	483.9	272.2	81.2	97.1	54.1	43.6
25	21.4	87.7	172.3	256.4	265.5	267.7	574.5	282.4	79.8	92.8	54.1	43.3
26	21.1	60.3	204.3	247.3	250.7	314.1	537.7	258.7	78.1	90.6	52.4	42.7
27	20.8	49.5	175.2	257.5	291.5	319.8	503.7	250.7	75.6	90.0	52.4	43.3
28	20.5	41.9	150.0	285.8	311.3	370.7	359.4	271.1	75.0	90.6	51.8	42.7
29	21.4		141.5	333.9	333.9	407.5	302.8	254.1	73.9	164.4	51.8	42.5
30	20.8		155.9	300.0	356.6	421.7	305.6	250.7	72.2	121.1	51.8	41.6
31	20.8		140.7		339.6		302.8	237.2		105.6		39.9
Total =	763.1	1017.3	4119.9	5987.1	7708.4	11026.8	13080.3	8108.0	3989.5	4288.0	1987.2	1491.1
Excel Total	757.9	1017.3	4119.9	5987.1	7708.4	11026.8	13080.3	8108.0	3989.5	4288.0	1987.2	1491.1
Ave.	24.44846	36.33114	132.9005	199.5716	248.6566	367.5604	421.9439	261.5468	132.9817	138.3231	68.24087	48.10087



**CHAKDARA  
DISCHARGE**

**1988**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	39.9	37.4	49.5	117.4	393.4	447.1	492.4	600.0	122.3	66.5	39.9	33.7
2	41.0	35.9	47.0	114.6	399.0	418.8	489.6	455.6	115.7	70.5	39.9	33.7
3	36.5	35.9	47.5	175.2	333.9	376.4	492.4	382.1	124.0	71.6	39.6	33.7
4	33.4	37.4	49.2	165.3	333.9	365.1	500.9	291.3	105.8	74.1	37.9	33.4
5	32.5	37.4	54.6	146.6	336.8	317.0	571.7	251.6	101.3	70.5	37.6	32.8
6	34.8	38.2	54.1	137.3	308.5	291.5	532.0	246.2	98.5	66.8	36.8	32.0
7	35.7	39.1	76.1	134.7	302.8	285.8	461.3	258.4	93.7	64.2	36.2	31.7
8	36.8	63.7	127.9	130.5	276.8	285.8	401.9	282.7	92.3	63.4	36.5	31.4
9	38.5	48.1	86.3	143.2	268.9	265.5	399.0	376.4	128.2	63.4	35.9	31.4
10	37.6	45.0	270.0	156.8	283.0	242.8	410.4	308.5	104.1	66.5	36.2	31.4
11	35.7	44.1	356.6	141.5	311.3	236.0	416.0	291.5	101.9	62.3	35.9	31.4
12	35.1	44.7	249.6	167.0	336.8	271.1	421.7	278.8	103.3	59.7	35.9	31.7
13	33.1	43.6	208.9	200.1	331.1	317.0	447.1	273.4	108.7	58.9	35.4	31.4
14	32.3	42.7	143.2	225.8	376.4	314.1	540.5	275.9	115.7	58.9	35.4	31.4
15	31.4	42.7	118.3	233.8	379.2	305.6	1601.8	317.0	124.0	56.3	35.4	31.7
16	30.6	40.8	125.4	249.6	356.6	297.2	843.3	291.5	154.8	54.3	35.4	31.4
17	28.3	40.2	110.4	277.9	331.1	345.3	478.3	254.1	145.5	53.5	35.4	31.4
18	28.6	37.6	111.2	328.3	314.1	382.1	379.2	232.6	155.9	52.6	34.5	33.1
19	28.3	38.5	98.5	297.2	297.2	418.8	319.8	209.4	122.3	52.6	34.5	37.9
20	28.3	42.7	93.4	274.5	305.6	433.0	274.5	198.1	108.7	51.8	34.5	36.5
21	36.8	73.3	88.6	265.5	325.5	416.0	277.3	195.8	100.5	50.9	35.1	40.5
22	48.7	56.0	90.0	277.9	311.3	452.8	356.6	190.7	102.7	49.2	35.9	50.1
23	39.9	49.5	88.6	281.3	308.5	498.1	670.7	190.7	95.1	48.4	35.1	47.3
24	39.9	47.0	96.2	266.6	322.6	506.6	645.2	177.7	87.7	47.5	35.1	43.3
25	38.2	43.6	127.9	291.5	317.0	478.3	481.1	178.9	84.1	46.4	35.4	38.2
26	36.8	44.7	255.3	311.3	319.8	498.1	328.3	203.2	81.8	45.0	35.1	36.5
27	37.4	48.1	184.2	317.0	348.1	543.4	285.8	339.6	77.5	44.7	34.5	35.1
28	41.9	48.1	153.4	331.1	342.4	566.0	291.5	282.7	76.4	43.3	34.2	34.8
29	40.2	53.5	133.0	356.6	370.7	600.0	294.3	194.4	74.7	42.5	33.4	35.1
30	39.2		131.3	359.4	421.7	520.7	257.0	157.9	70.5	40.8	33.7	44.1
31	37.6		122.0		404.7		435.8	136.1		40.5		40.8
Total =	1113.9	1299.5	3948.1	6875.2	10368.6	11695.8	14797.5	8325.9	3177.5	1737.6	1076.5	1098.9
Excel Total	1113.9	1299.5	3948.1	6875.2	10368.6	11695.8	14797.5	8325.9	3177.5	1737.6	1076.5	1098.9
Ave.	35.93187	46.412	127.3591	229.1734	331.4695	389.8608	477.3388	268.5761	105.9175	56.05226	35.8844	35.44803

**CHAKDARA  
DISCHARGE**

**1989**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	41.6	33.0	43.6	210.6	249.0	477.8	485.5	579.5	144.6	75.8	49.0	66.0
2	42.0	32.4	42.6	123.3	544.9	446.7	401.5	461.1	132.6	73.3	50.4	67.5
3	42.3	32.7	41.1	95.5	304.6	466.1	411.4	333.7	116.7	71.7	52.6	67.5
4	44.1	37.9	39.6	82.8	245.8	543.3	330.5	279.1	108.9	69.9	51.7	69.4
5	51.8	40.2	40.0	77.4	206.1	498.8	277.1	308.3	104.2	68.4	51.9	71.3
6	77.9	39.2	40.2	73.4	176.7	449.0	245.0	302.1	102.8	66.5	51.1	73.3
7	59.7	38.0	40.0	72.1	170.8	393.9	219.8	259.2	103.2	64.9	50.9	75.7
8	54.8	37.2	41.1	75.6	167.8	365.7	240.5	242.5	102.5	62.7	50.1	76.4
9	52.4	37.1	46.0	125.1	183.8	344.3	282.1	242.9	103.0	61.8	50.7	79.8
10	51.1	36.4	46.1	102.2	187.3	351.7	335.5	282.5	99.1	61.0	50.9	79.0
11	47.8	35.9	44.5	92.5	214.1	315.7	325.6	250.3	99.6	61.2	52.3	75.5
12	46.8	35.3	44.6	86.6	195.8	339.1	363.1	258.2	108.7	96.6	55.4	73.0
13	46.8	36.0	46.9	82.4	213.3	370.8	293.7	278.8	103.2	79.6	55.8	69.8
14	45.7	36.6	46.4	81.6	250.7	376.7	356.1	254.8	100.7	103.9	54.4	67.9
15	44.8	35.1	48.9	84.8	270.9	358.6	408.1	239.1	97.9	92.7	54.4	66.9
16	43.6	34.6	50.2	87.6	271.8	382.1	367.4	227.6	98.3	75.7	54.5	65.6
17	42.8	37.2	50.3	91.8	319.2	382.6	326.1	229.1	98.3	71.0	54.5	63.7
18	41.8	36.8	51.3	98.5	268.3	343.1	308.6	214.2	99.9	69.0	55.2	62.7
19	40.8	35.4	52.8	95.2	260.4	370.1	286.8	211.9	99.8	67.5	57.7	64.7
20	40.8	35.2	54.4	95.0	290.4	387.3	276.2	218.7	113.8	65.4	57.1	64.0
21	39.4	35.2	65.7	98.7	303.3	325.3	260.9	221.2	124.9	64.1	55.3	62.3
22	38.6	34.2	89.2	97.3	350.9	327.1	244.1	231.3	130.2	62.4	55.5	59.0
23	38.0	33.8	131.4	105.0	336.9	322.3	267.3	215.8	143.8	60.6	56.9	58.4
24	37.6	35.1	98.4	117.9	287.2	325.0	304.2	215.6	175.8	59.6	57.4	61.1
25	37.2	37.0	80.3	149.6	274.6	395.1	365.1	210.3	133.3	58.4	60.0	63.9
26	36.7	37.9	74.2	142.8	313.5	430.6	319.1	203.3	110.9	57.0	60.2	59.2
27	36.0	42.4	75.3	140.6	334.6	436.6	347.9	219.2	99.3	54.7	60.8	55.6
28	35.0	46.7	76.1	138.8	330.7	433.4	388.8	214.7	89.6	53.6	62.1	53.5
29	34.0		73.6	147.5	370.9	429.3	435.7	190.5	82.0	53.4	63.8	51.2
30	33.4		74.9	164.6	397.1	486.8	558.2	177.8	79.6	52.1	64.2	49.9
31	33.3		88.2		445.0		744.3	158.0		51.0		48.1
Total =												
Excel Total	1359.3	1024.5	1837.8	3236.6	8736.4	11874.9	10776.2	7931.2	3307.3	2085.5	1657.2	2021.9
Ave.	43.84948	36.58988	59.28394	107.8871	281.8205	395.8312	347.6199	255.8439	110.2427	67.27458	55.24066	65.22146

**CHAKDARA  
DISCHARGE  
1990**

m3/s												
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	46.9	59.7	68.1	162.4	320.9	276.6	491.1	305.3	250.6	106.7	133.0	45.9
2	45.0	51.7	63.5	163.5	313.5	277.2	490.6	425.2	211.5	100.2	112.0	45.9
3	43.4	51.0	64.9	169.1	346.5	271.7	476.0	358.0	201.9	95.1	100.7	45.8
4	46.2	47.1	64.3	186.6	370.8	275.4	468.7	375.8	218.7	92.0	93.7	45.8
5	44.5	46.0	63.6	207.9	389.8	266.1	471.4	468.1	239.2	87.6	94.7	45.8
6	41.4	45.9	62.4	270.3	424.7	280.8	443.5	330.1	207.4	82.9	89.7	45.3
7	40.2	84.2	63.0	557.1	451.0	318.1	447.9	306.1	182.0	80.8	85.6	45.2
8	40.0	167.7	64.0	403.0	452.8	337.1	425.0	346.1	179.7	79.9	80.3	45.1
9	39.9	120.2	69.1	356.0	471.7	355.6	415.2	385.8	176.3	77.7	76.5	45.4
10	39.7	93.5	74.8	287.2	447.7	326.9	425.9	365.6	174.3	77.4	74.0	45.8
11	39.5	77.2	106.5	281.4	472.5	345.7	378.5	305.2	167.5	77.9	72.9	46.5
12	39.6	70.7	88.6	268.5	495.7	358.9	357.4	281.9	156.9	79.4	70.6	46.1
13	40.7	85.9	77.5	258.1	514.9	333.3	311.3	299.8	157.8	85.7	68.3	46.8
14	41.5	98.3	80.7	593.8	547.4	316.3	302.2	325.8	179.8	83.4	66.6	46.9
15	40.4	75.2	102.4	235.9	579.3	288.2	300.7	282.0	154.6	81.8	65.0	53.3
16	39.9	66.6	161.7	232.7	668.9	309.7	346.5	252.4	159.1	81.2	63.4	50.1
17	42.1	64.2	264.7	229.1	660.4	346.3	357.2	245.9	159.0	189.5	62.4	50.2
18	45.0	60.9	230.0	284.0	615.9	388.2	365.6	246.6	159.3	197.3	60.8	49.3
19	46.2	55.3	238.7	279.9	535.9	446.3	374.6	239.1	168.1	130.8	58.8	48.4
20	49.0	54.4	447.5	245.5	501.5	468.2	359.2	229.3	154.7	113.1	57.8	48.5
21	47.0	52.0	779.1	235.6	483.0	496.1	401.8	226.4	149.2	106.6	56.3	47.6
22	45.8	52.2	544.6	224.7	477.6	509.7	324.3	222.3	147.4	102.4	55.4	47.7
23	43.8	52.2	325.0	216.7	463.3	553.3	274.5	204.8	141.1	100.3	52.9	47.8
24	43.8	67.8	264.4	249.4	453.3	574.7	263.0	191.8	170.2	97.4	51.0	56.5
25	43.5	88.0	214.8	278.4	457.0	625.5	273.9	188.7	152.8	91.2	49.1	59.1
26	43.7	104.5	190.6	288.2	434.2	630.5	281.6	187.2	136.7	91.1	47.8	63.0
27	79.4	85.3	158.6	288.9	440.5	494.3	310.9	187.8	126.9	91.7	47.0	107.7
28	76.5	73.2	146.1	266.2	430.8	484.5	325.9	188.6	119.2	87.2	46.9	166.3
29	58.9		154.3	254.6	376.2	470.5	293.2	202.8	114.8	87.0	46.4	207.9
30	52.7		191.5	297.6	334.0	481.4	284.0	333.4	110.2	86.1	45.9	124.7
31	53.9		175.4		308.0		290.8	252.3		95.0		99.4

Total =  
 Excel Total Ave.    1439.8    2051.0    5600.4    8272.4    14239.8    11906.9    11332.4    8760.0    5026.9    3036.2    2090.8    1969.8  
                          46.44669    73.24849    180.659    275.7458    459.3473    396.8962    365.5602    282.5819    167.5643    97.94265    69.69347    63.54172

**CHAKDARA  
DISCHARGE  
1991**

m3/s												
Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	81.0	95.9	118.5	378.6	356.4	358.5	511.1	439.6	235.7	141.0	60.3	49.7
2	69.6	92.0	121.7	420.2	352.6	456.3	497.9	429.6	227.0	123.9	59.6	49.2
3	60.8	87.6	127.9	549.2	302.8	491.9	505.5	407.7	225.2	117.2	58.4	49.2
4	58.8	85.0	289.8	367.2	274.1	553.0	522.3	401.0	227.6	112.8	57.7	49.8
5	58.3	84.2	198.2	333.1	262.9	608.4	500.1	404.1	225.4	108.6	56.9	49.6
6	57.6	101.9	169.0	364.5	266.4	691.4	491.0	388.1	254.4	104.1	56.6	49.4
7	58.0	93.4	155.0	368.2	363.7	763.8	422.8	385.8	239.6	99.9	55.9	49.2
8	57.3	90.6	210.5	704.6	321.7	901.4	421.6	377.1	222.4	94.6	55.5	48.3
9	56.3	132.2	248.0	514.7	390.9	800.7	442.5	380.5	211.1	90.7	54.8	47.5
10	55.4	291.9	205.9	439.9	379.1	763.3	458.2	362.0	202.4	87.1	54.4	46.8
11	56.0	302.6	189.5	341.3	312.9	615.2	520.0	316.8	195.1	85.9	54.0	45.8
12	56.8	196.5	192.6	295.8	314.5	607.8	596.4	293.8	192.9	84.1	53.3	46.0
13	53.2	154.8	212.1	509.1	311.1	600.3	788.6	293.2	192.5	81.8	52.9	46.1
14	53.1	151.4	185.2	523.1	401.1	695.8	1025.7	313.6	249.3	80.3	52.4	46.2
15	51.7	142.2	176.7	516.2	434.5	720.5	592.2	326.9	228.6	79.9	51.9	46.3
16	51.0	125.5	167.0	389.9	398.2	763.9	464.6	339.3	231.4	79.2	51.2	46.7
17	50.4	121.6	161.1	318.7	407.4	814.6	374.8	365.4	290.7	77.3	50.5	46.4
18	49.6	120.0	384.9	316.3	418.7	901.4	584.1	372.2	236.1	75.2	49.9	46.0
19	49.1	115.9	323.4	286.0	421.8	812.8	539.2	350.8	209.8	73.6	49.2	45.7
20	48.9	113.4	237.3	258.3	489.6	638.9	584.8	341.2	175.7	72.5	49.2	44.8
21	49.0	113.1	223.3	275.1	604.1	548.5	711.1	369.9	157.1	72.0	48.8	45.1
22	49.4	114.0	282.2	274.2	452.2	523.4	615.5	371.7	141.4	70.6	48.4	45.3
23	49.1	117.2	251.6	262.8	366.4	489.0	519.0	334.7	130.7	70.3	48.3	44.5
24	49.5	118.1	231.4	261.2	384.4	467.0	474.7	289.8	122.7	69.0	48.2	43.0
25	49.8	137.1	215.3	280.1	447.8	424.2	452.5	263.1	118.1	67.6	48.1	42.3
26	57.1	130.3	221.6	297.8	467.1	380.4	416.9	249.8	119.3	66.8	47.8	42.1
27	146.9	124.7	236.6	284.8	361.6	381.3	423.4	246.8	116.4	65.7	47.7	41.1
28	342.3	122.0	232.0	340.0	325.6	404.2	433.6	257.0	185.8	64.7	47.8	40.4
29	174.6		261.3	300.2	336.1	453.1	432.4	240.9	164.6	63.5	47.8	39.6
30	121.3		299.3	321.3	328.8	489.1	464.2	244.4	161.9	62.4	49.4	38.7
31	105.1		349.2		331.0		440.0	239.5		61.7		37.8

Total =  
 Excel Total Ave.    2326.9    3675.2    6877.9    11092.1    11585.0    18120.2    16226.7    10401.4    5891.0    2603.9    1567.0    1408.5  
                          75.06164    131.2584    221.8674    369.7376    373.7106    604.0078    523.4432    335.5275    196.3652    83.99531    52.23425    45.43702

**CHAKDARA  
DISCHARGE**

1992

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

Total =												
Excel Total												
Ave.	0	0	0	0	0	0	0	0	0	0	0	0

**CHAKDARA  
DISCHARGE**

1993

m3/s Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												

Total =												
Excel Total												
Ave.	0	0	0	0	0	0	0	0	0	0	0	0

**CHAKDARA  
DISCHARGE**

**1994**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	59.6	53.9	58.2	156.0	256.4	358.0	688.1	455.5	296.2	83.3	87.9	50.7
2	43.1	52.3	61.2	157.5	258.9	401.1	759.2	456.9	296.7	83.9	87.4	50.7
3	42.6	51.7	73.1	170.5	384.9	417.7	746.6	415.6	288.9	83.4	85.5	50.7
4	44.7	54.7	87.3	293.4	361.1	414.8	675.1	477.1	293.2	84.3	83.9	48.6
5	45.6	87.8	77.9	586.3	341.6	436.7	603.0	473.8	268.8	87.8	81.7	48.6
6	45.0	66.4	72.4	515.1	351.2	478.6	601.3	477.8	253.5	112.8	78.8	55.3
7	45.9	62.8	68.7	297.3	308.6	520.5	620.7	448.8	217.3	100.9	76.1	75.4
8	49.6	59.3	66.9	210.2	360.7	522.6	648.4	504.7	214.4	92.4	75.3	112.5
9	47.7	55.9	65.1	165.0	365.4	526.5	660.7	477.6	199.7	88.7	73.9	80.3
10	46.2	52.6	65.8	159.2	282.3	472.8	662.7	603.2	181.2	85.4	72.4	69.7
11	45.2	51.2	65.3	136.9	249.0	429.6	714.2	768.9	162.8	138.0	71.9	66.2
12	43.3	49.5	67.9	124.0	259.4	391.1	625.2	552.4	158.8	142.6	95.1	62.8
13	42.8	51.0	72.3	123.3	257.4	366.7	624.7	488.7	149.1	118.8	80.3	60.9
14	44.3	54.8	89.5	133.3	296.9	344.7	820.4	458.6	148.3	103.7	72.6	60.1
15	45.5	53.2	109.1	193.1	267.4	332.8	759.2	412.0	139.5	100.2	68.7	57.2
16	43.1	56.0	101.9	161.0	294.7	359.6	569.7	400.1	149.3	95.3	65.6	54.3
17	40.8	54.6	106.5	148.8	339.1	406.0	491.5	389.1	140.5	91.9	64.0	54.2
18	40.3	53.8	105.0	145.9	355.0	449.1	488.3	349.1	151.1	89.4	61.9	55.1
19	40.8	54.4	142.2	141.4	398.1	496.9	492.6	311.2	127.5	87.0	60.1	55.5
20	43.8	57.4	250.4	146.3	428.2	526.8	493.0	286.0	113.1	87.4	58.9	55.9
21	41.9	72.0	176.1	133.7	445.5	560.0	514.4	290.9	107.4	83.4	56.3	55.1
22	39.5	70.2	141.4	131.7	442.7	601.6	551.9	300.0	112.7	79.5	54.5	56.1
23	39.0	61.2	125.3	129.8	439.9	652.4	575.8	343.4	103.7	76.4	54.0	59.7
24	38.9	57.6	125.2	132.1	417.4	718.9	628.4	395.9	100.5	73.7	54.1	59.6
25	38.7	55.5	123.8	151.6	365.4	676.7	519.5	419.2	96.4	81.6	54.2	58.9
26	38.2	56.5	125.6	179.0	374.7	685.6	477.1	398.7	91.7	107.8	53.7	59.5
27	78.6	57.6	118.5	213.7	371.5	692.5	448.7	413.4	85.8	127.0	53.8	65.2
28	62.3	58.2	118.4	245.8	408.1	685.1	449.3	359.3	84.7	108.0	54.3	88.7
29	58.0		117.0	295.5	437.8	669.8	447.9	320.3	84.2	92.9	52.2	85.7
30	57.4		169.2	336.3	422.3	660.9	445.2	295.7	84.1	91.0	51.7	71.1
31	54.3		154.7		371.0		452.1	290.9		89.1		67.1

Total =  
Excel Total Ave. 1426.5 1622.4 3301.5 6113.8 10912.6 15256.2 18254.8 13064.6 4901.1 2967.5 2040.6 1951.3  
46.01671 57.94122 106.5002 203.7949 352.0182 508.5397 588.8637 421.439 163.3712 95.72521 68.02094 62.94468

**CHAKDARA  
DISCHARGE**

**1995**

m3/s

Date	Jan	Feb	Mar	April	May	Jun	July	Aug	Sep	Oct	Nov	Dec
1	59.8	41.2	69.8	213.6	225.9	263.8	439.1	377.8	210.9	86.6	57.8	51.9
2	58.1	40.4	68.7	176.4	204.6	315.7	463.2	373.7	193.1	82.0	56.5	50.1
3	55.3	41.3	64.4	138.0	211.2	326.8	484.3	531.1	159.5	74.9	52.6	48.4
4	54.1	38.5	61.2	131.8	229.2	338.7	513.8	1022.3	151.8	74.5	54.9	46.8
5	52.8	35.9	58.3	121.1	242.8	354.2	535.4	718.5	146.8	71.5	54.3	44.4
6	52.2	33.4	55.6	135.9	249.3	406.5	539.7	621.5	79.0	70.4	52.6	44.5
7	51.7	33.0	53.3	143.4	257.3	467.7	551.2	608.2	126.4	67.5	51.6	46.1
8	51.8	34.6	58.8	174.6	270.9	483.9	565.9	657.9	123.8	66.3	50.3	49.1
9	49.9	30.8	62.9	345.3	293.0	517.8	574.0	425.4	135.2	66.4	48.3	48.8
10	58.6	33.6	55.6	468.0	299.5	535.1	557.7	391.1	129.6	62.9	47.7	47.5
11	54.4	105.8	52.6	356.6	319.5	533.9	542.6	381.0	140.8	62.2	47.5	49.8
12	50.3	124.7	51.0	299.8	336.2	506.3	529.6	372.7	127.9	61.8	46.6	45.5
13	49.1	81.3	49.8	258.8	336.1	512.8	527.8	370.6	124.1	64.2	46.3	44.5
14	49.2	68.1	46.4	239.7	341.0	507.7	532.1	383.1	118.5	76.1	46.0	44.1
15	47.5	61.5	45.0	240.9	343.0	513.3	544.2	364.5	114.2	102.4	46.2	43.4
16	47.7	56.1	48.1	249.2	323.4	527.0	540.8	354.4	108.9	109.1	46.2	46.9
17	47.9	52.8	45.0	233.1	294.5	533.7	527.1	441.6	103.8	123.4	46.1	45.6
18	46.8	56.8	49.3	298.9	297.1	528.8	551.6	395.6	95.5	101.5	46.7	46.4
19	47.0	54.9	57.8	399.1	299.6	506.1	681.9	327.2	88.2	92.7	45.1	48.6
20	47.7	52.9	70.9	366.7	278.3	462.5	638.6	308.8	87.0	86.7	45.0	50.5
21	47.1	50.7	78.7	306.0	265.9	428.7	653.7	318.5	84.7	82.9	45.2	53.3
22	44.5	49.9	84.8	294.2	260.5	366.4	581.0	325.1	86.0	78.0	46.0	50.3
23	42.7	49.1	135.4	300.2	242.0	328.8	589.7	307.6	87.0	75.3	46.1	43.1
24	44.7	49.0	394.3	305.4	211.2	319.2	670.7	298.9	101.6	72.6	46.6	38.2
25	44.7	47.2	812.2	323.8	204.1	336.3	1918.1	291.2	91.0	69.7	47.1	38.0
26	43.8	48.0	749.6	340.7	253.9	336.9	892.4	286.3	86.8	63.9	47.6	37.1
27	45.5	77.5	492.1	358.1	214.0	362.2	649.2	255.1	83.8	62.3	48.4	37.1
28	45.9	80.1	551.3	292.4	202.8	369.4	545.7	252.5	87.3	60.6	66.6	37.2
29	45.6		512.8	276.8	215.6	392.0	515.4	248.1	99.9	58.6	56.2	36.9
30	43.5		351.7	261.9	214.1	425.3	495.1	252.0	93.8	60.7	53.7	36.7
31	41.4		284.2		208.6		412.2	249.5		58.7		36.7

Total =  
Excel Total Ave. 1521.3 1528.9 5599.5 8050.3 8144.9 12807.5 18763.5 12512.1 3467.1 2346.5 1491.6 1387.5  
49.07311 54.60283 180.6279 268.3444 262.739 426.9159 605.2749 403.6164 115.5697 75.69337 49.72027 44.75691