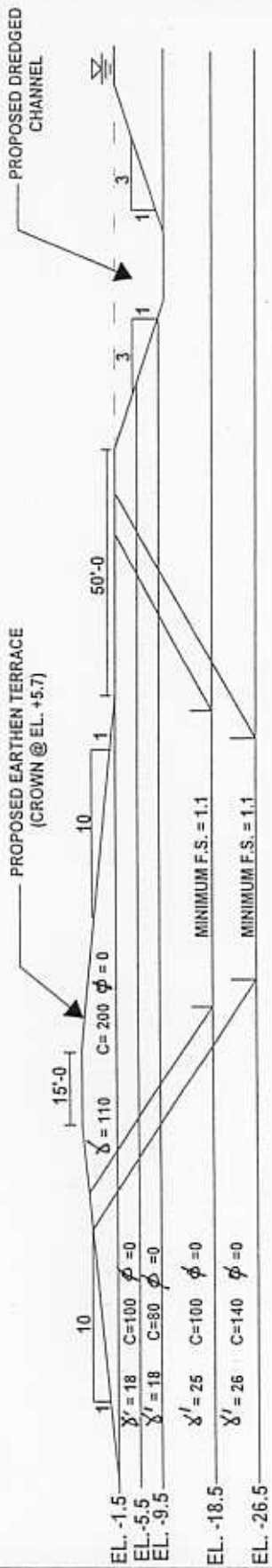


APPENDIX III

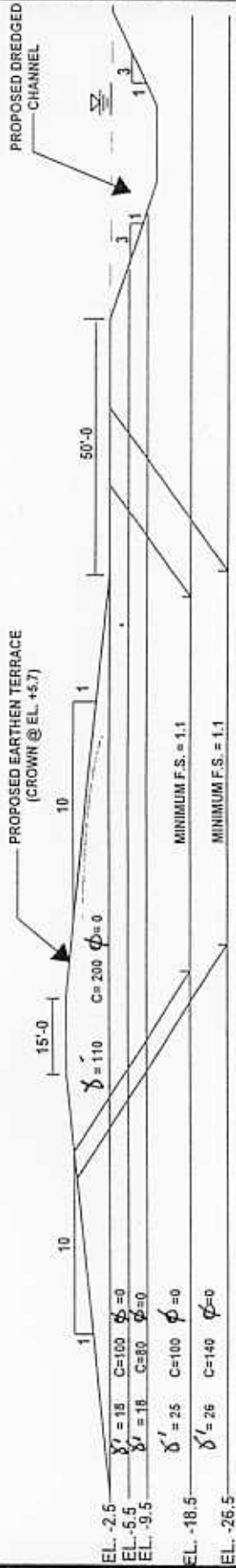


PROFESSIONAL SERVICE
INDUSTRIES, INC.

DATE: 3-8-01
PROJECT NO. 254-05208
DRAWN BY: M.T
FIGURE NO. 1

**SLOPE STABILITY
EARTHEN TERRACES
CROWN @ EL. +5.7
TOE @ EL. -1.5**

PROPOSED EARTHEN TERRACES
BAYOU BIENVENUE
NEW ORLEANS, LOUISIANA



**SLOPE STABILITY
 EARTHEN TERRACES
 CROWN @ EL. +5.7
 TOE @ EL. -2.5**

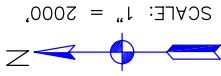
PROPOSED EARTHEN TERRACES
 BAYOU BIENVENUE
 NEW ORLEANS, LOUISIANA

PROFESSIONAL SERVICE
 INDUSTRIES, INC.

DATE: 3-8-01 PROJECT NO. 254-05208

DRAWN BY: M.T. FIGURE NO. 2

APPENDIX B



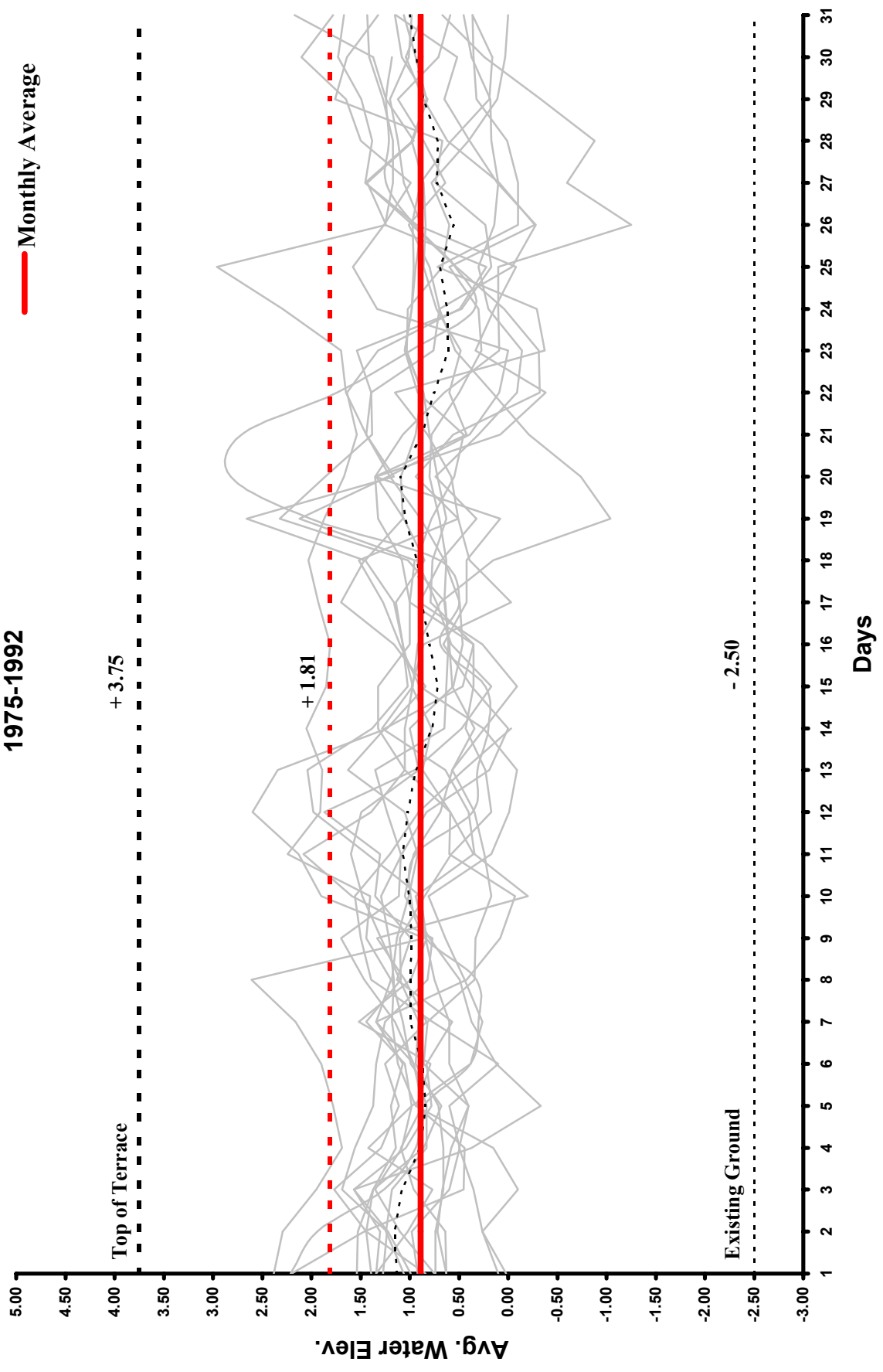
AERIAL LAYOUT WITH SPOT ELEVATIONS

BAYOU BIENVENUE
PUMP STATION DIVERSION AND TERRACING
DNR No. 2503-00-29
PREPARED BY
HARTMAN ENGINEERING INC.

APPENDIX C

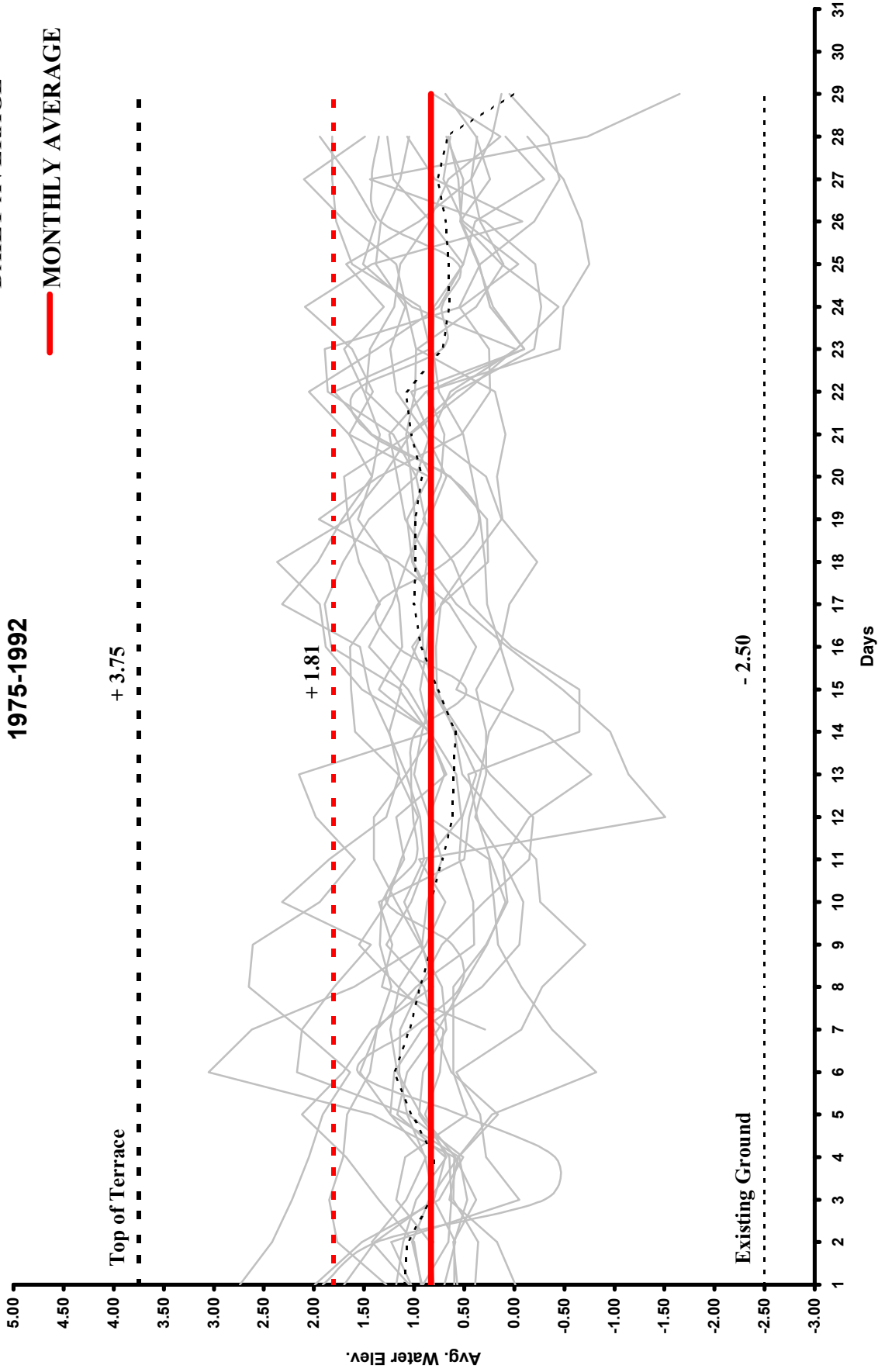
January Average Water Elevation 1975-1992

..... Daily Average
—— Monthly Average



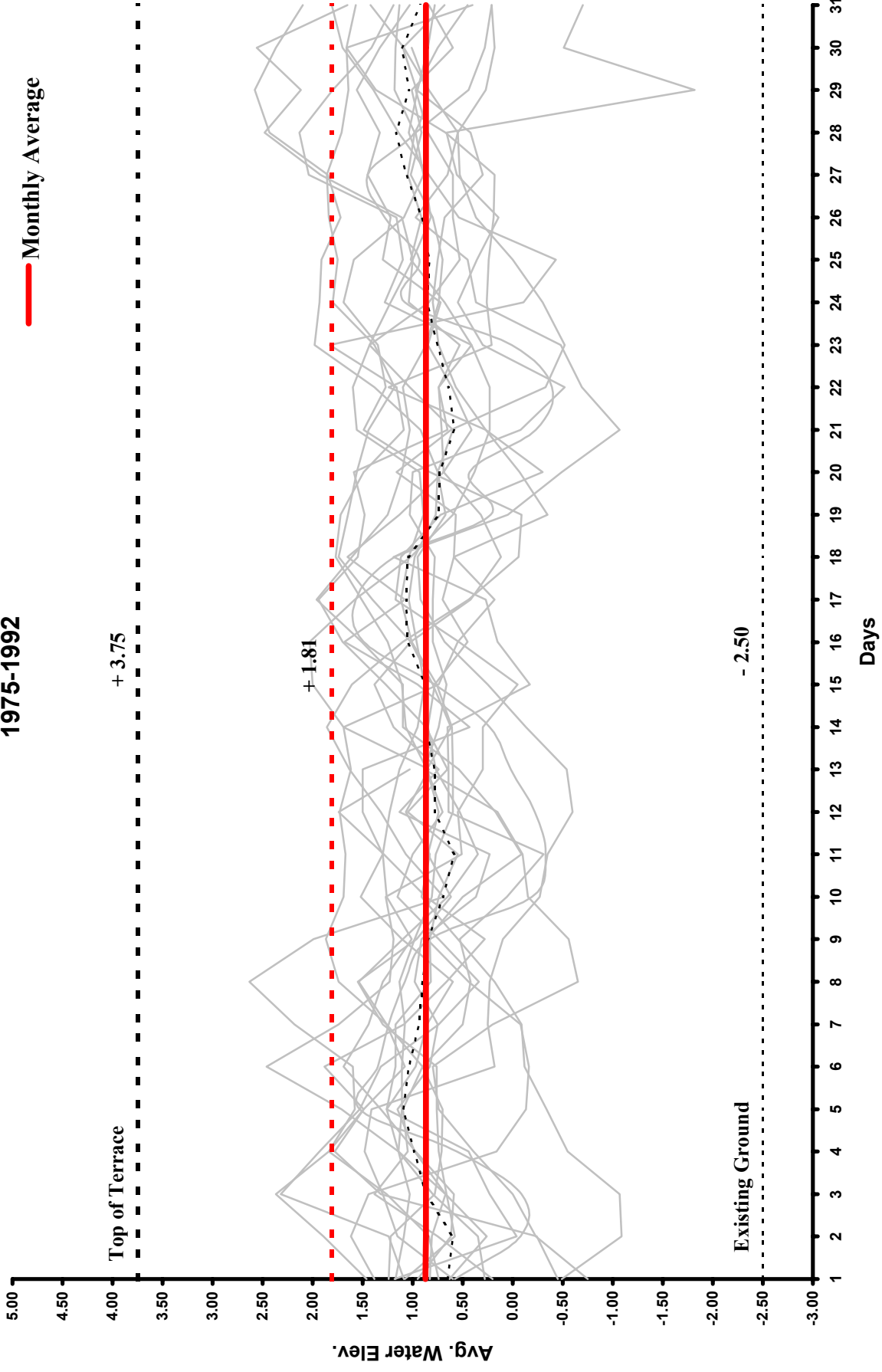
February Average Water Elevation 1975-1992

----- DAILY AVERAGE
—— MONTHLY AVERAGE



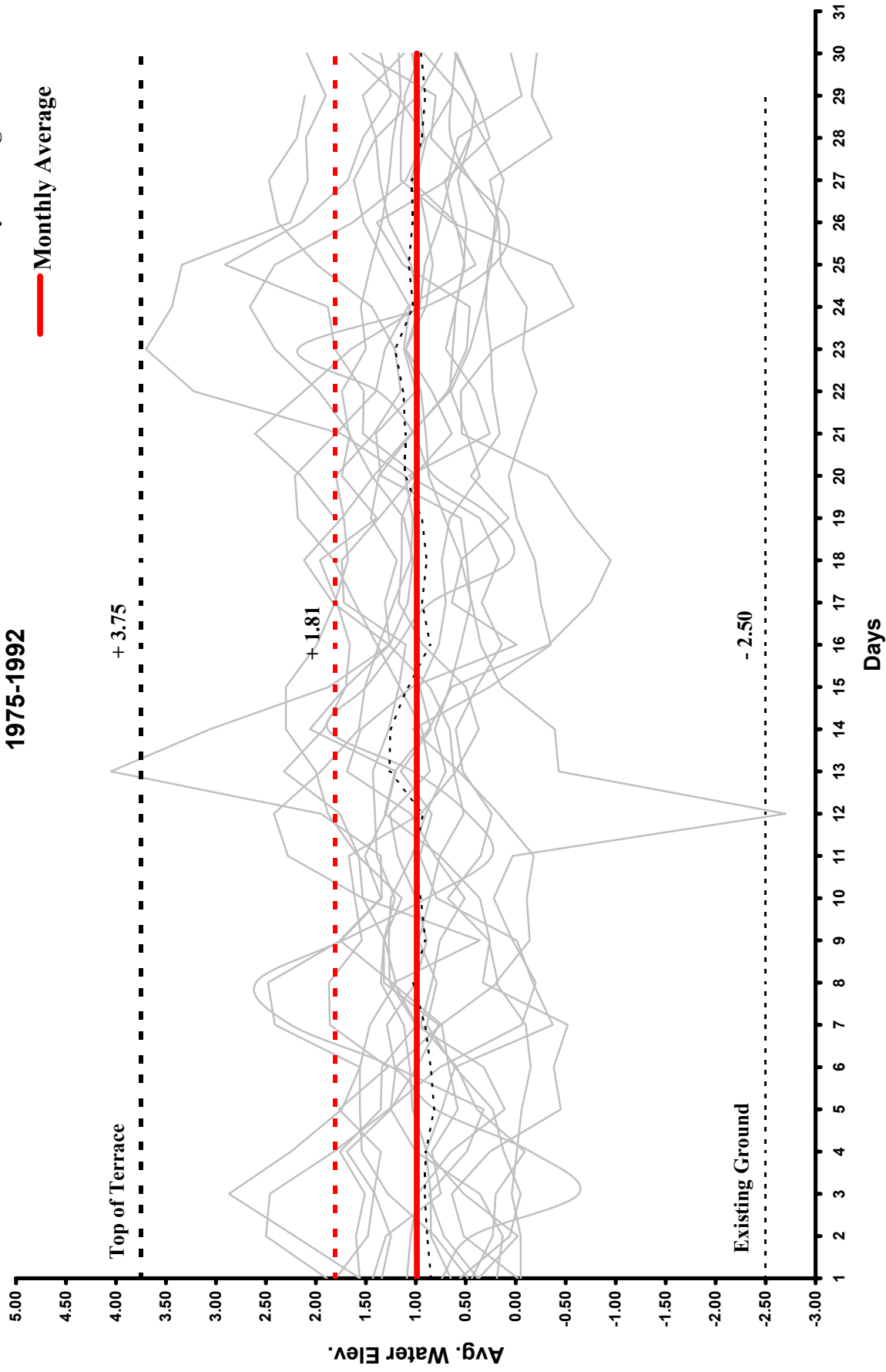
March Average Water Elevation 1975-1992

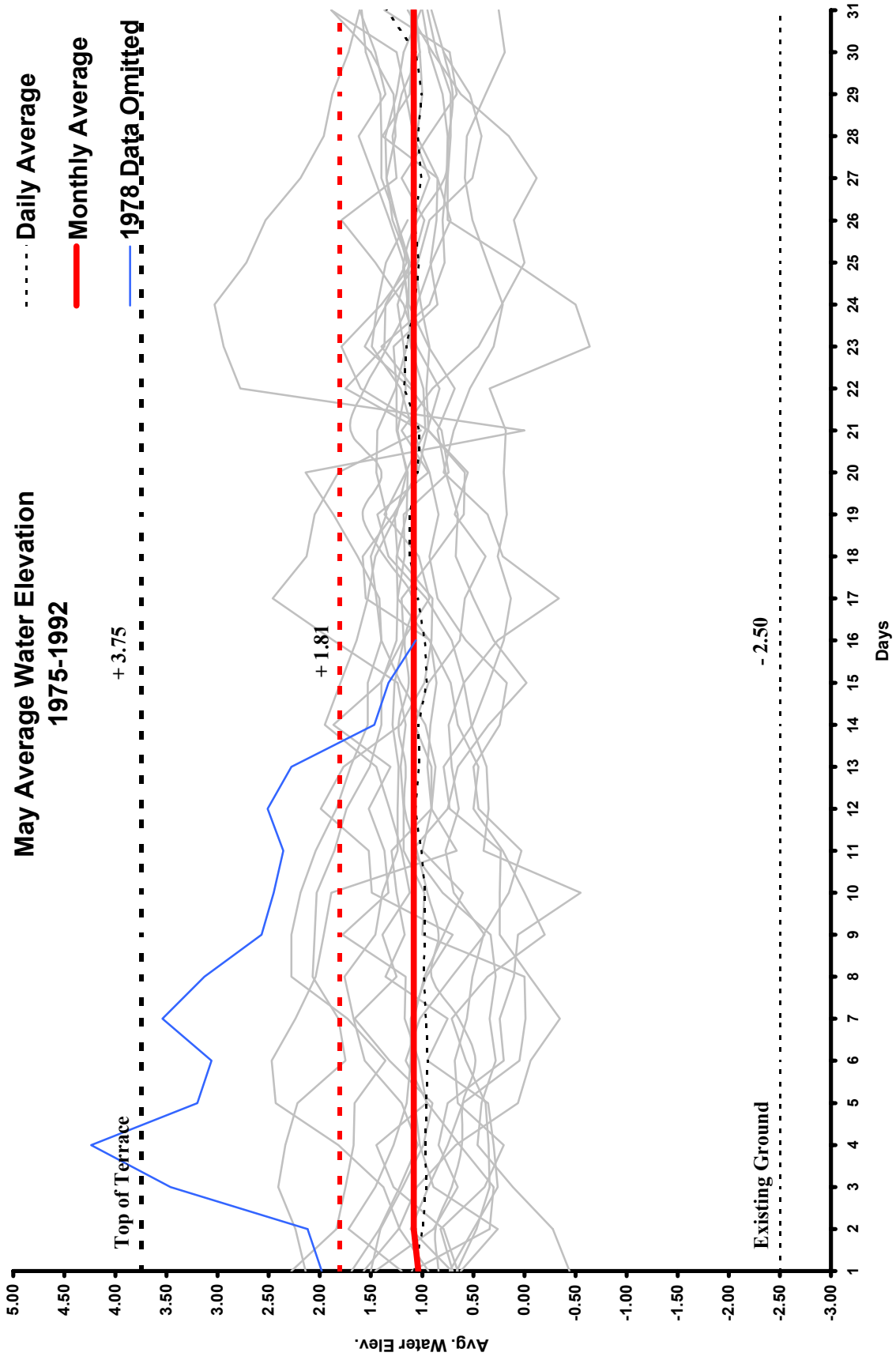
----- Daily Average
—— Monthly Average



April Average Water Elevation 1975-1992

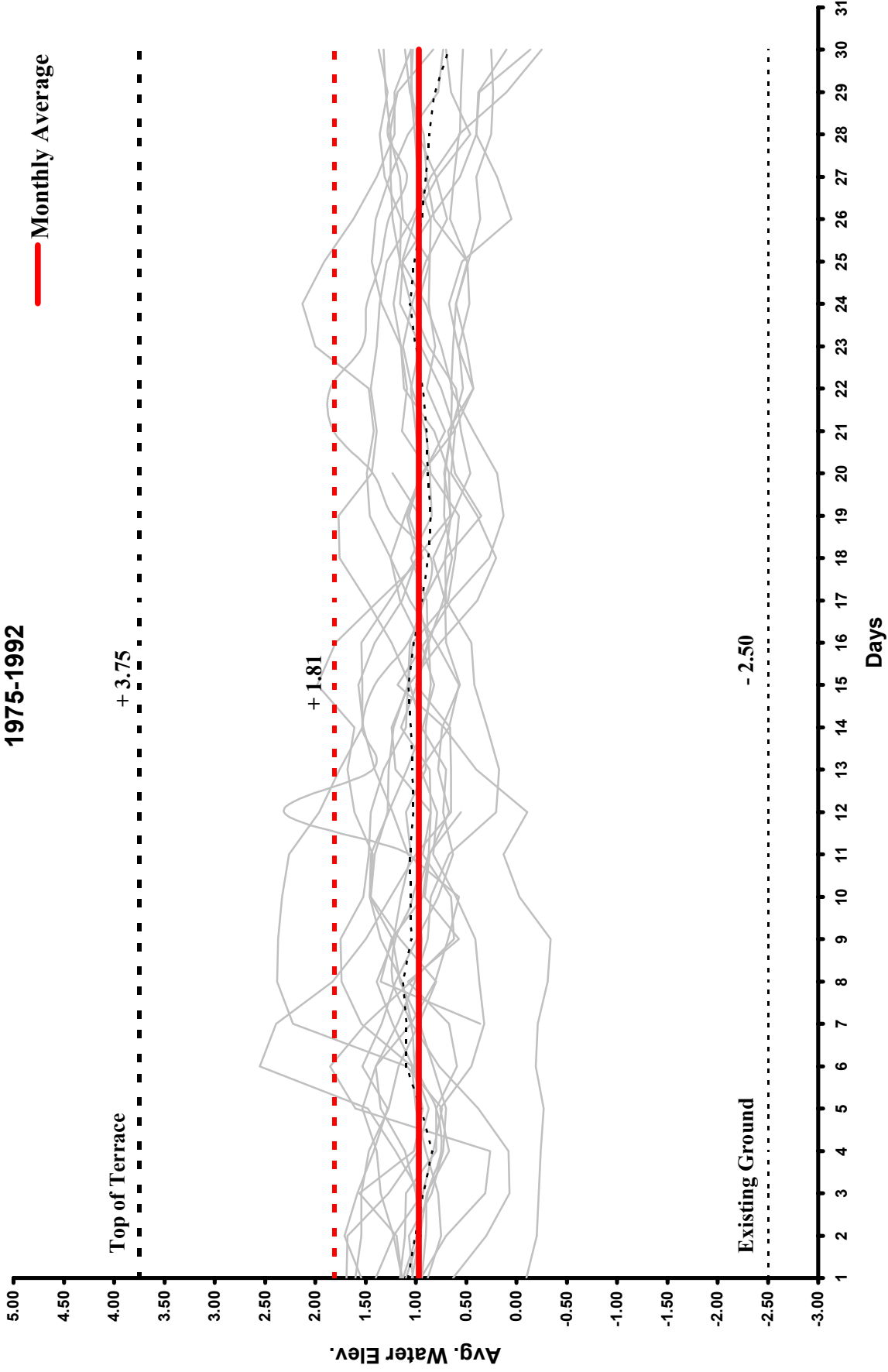
..... Daily Average
—— Monthly Average





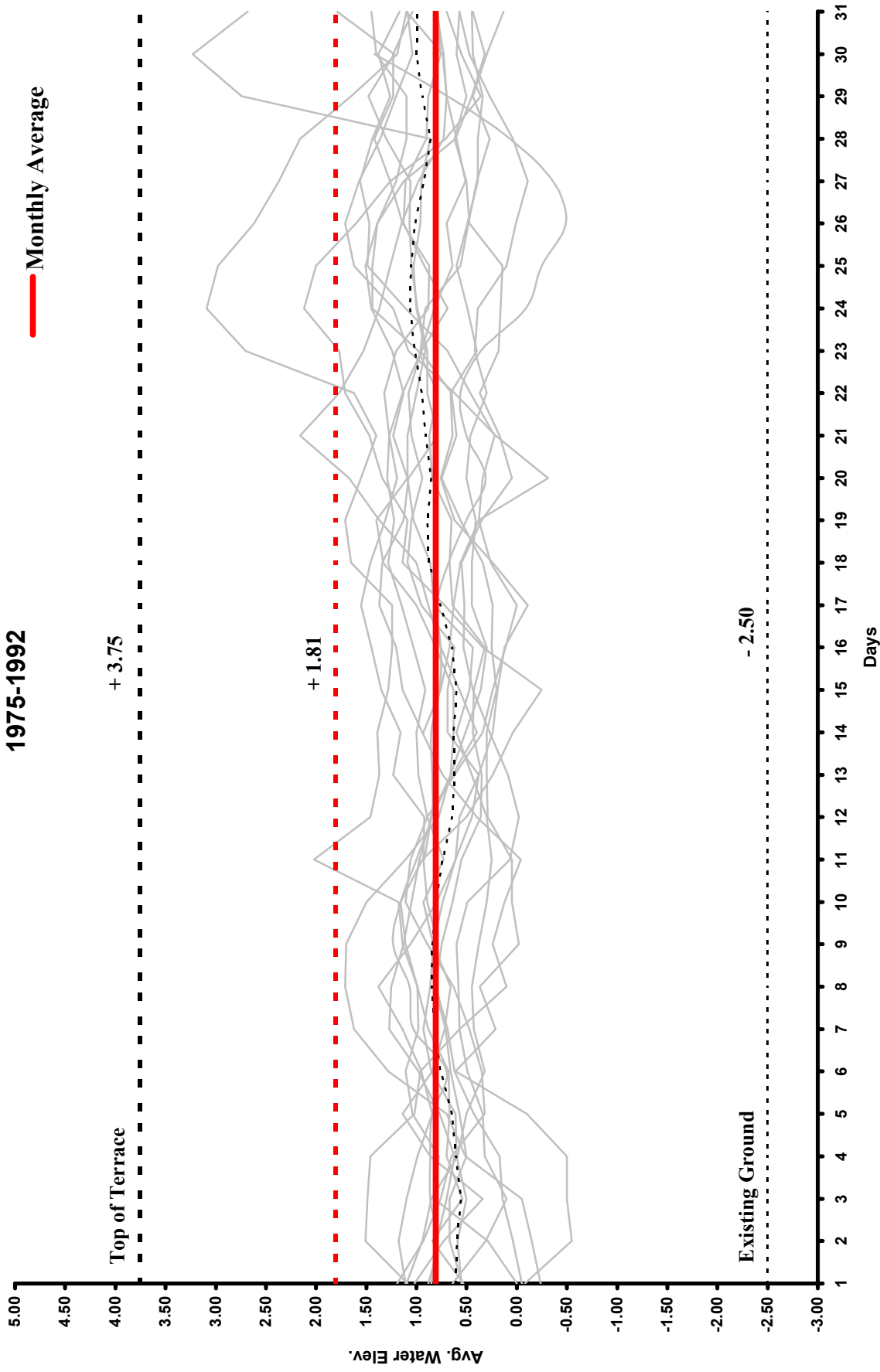
June Average Water Elevation 1975-1992

..... Daily Average
—— Monthly Average



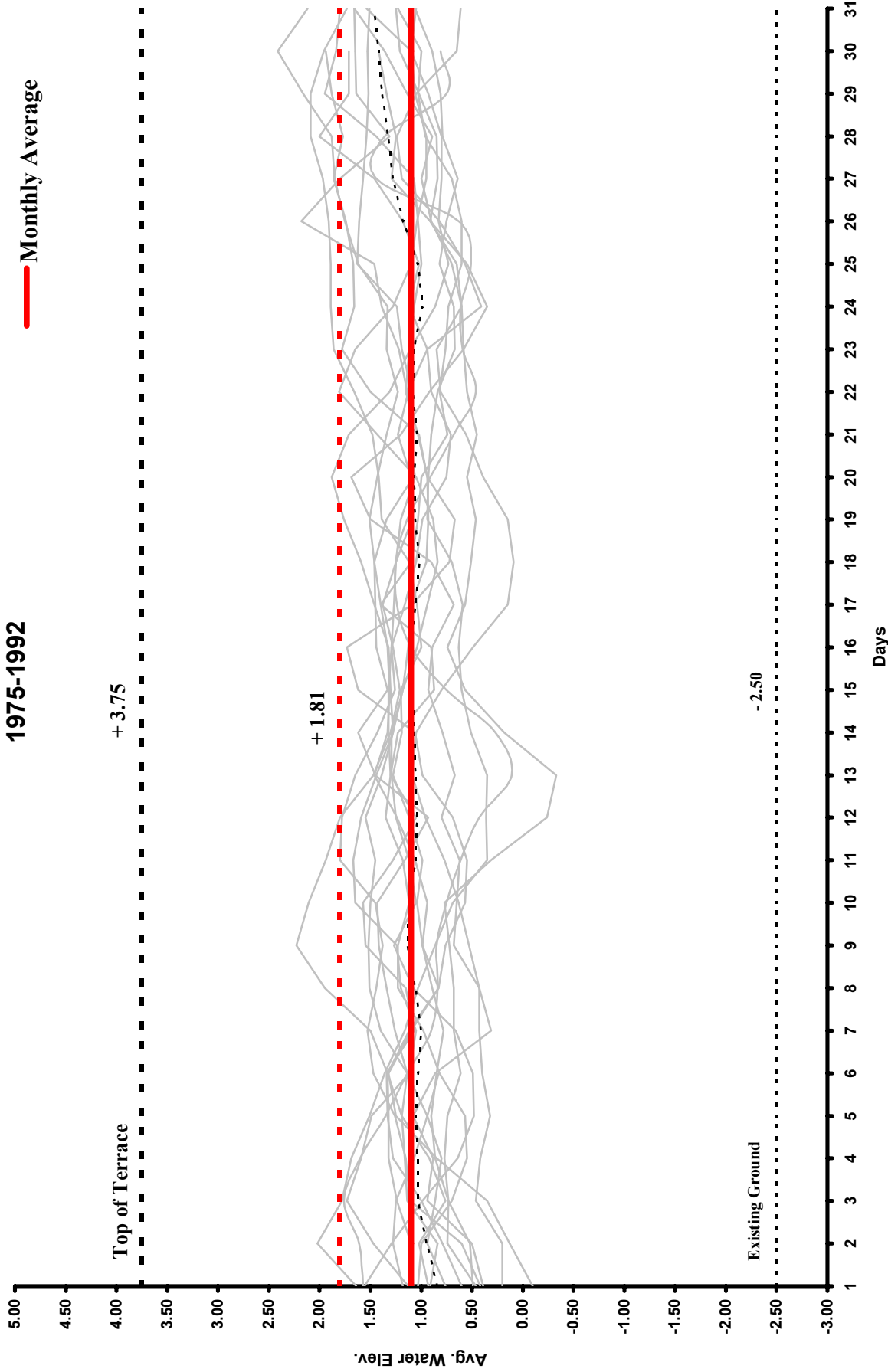
July Average Water Elevation 1975-1992

..... Daily Average
—— Monthly Average



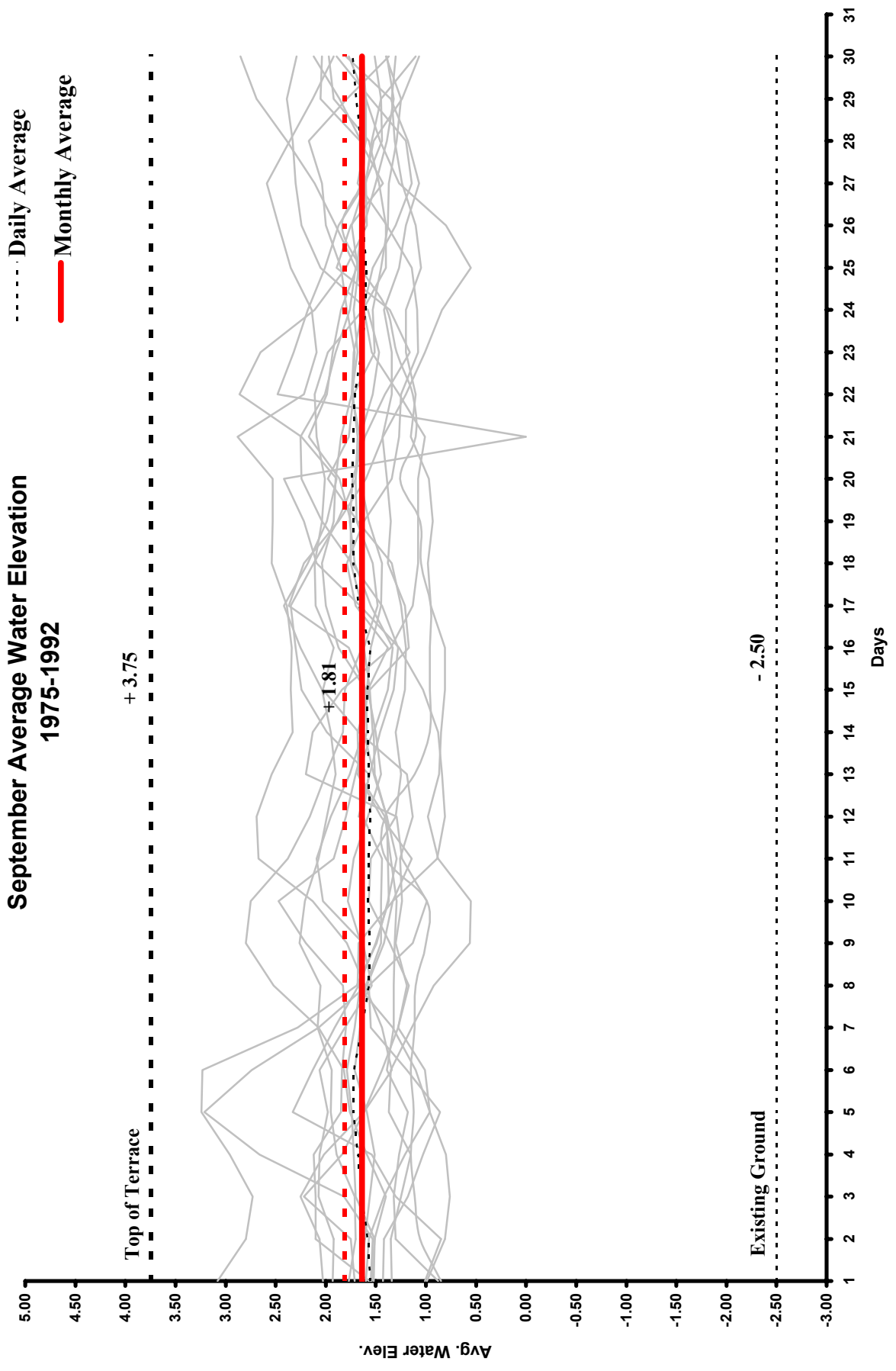
August Average Water Elevation 1975-1992

----- Daily Average
—— Monthly Average



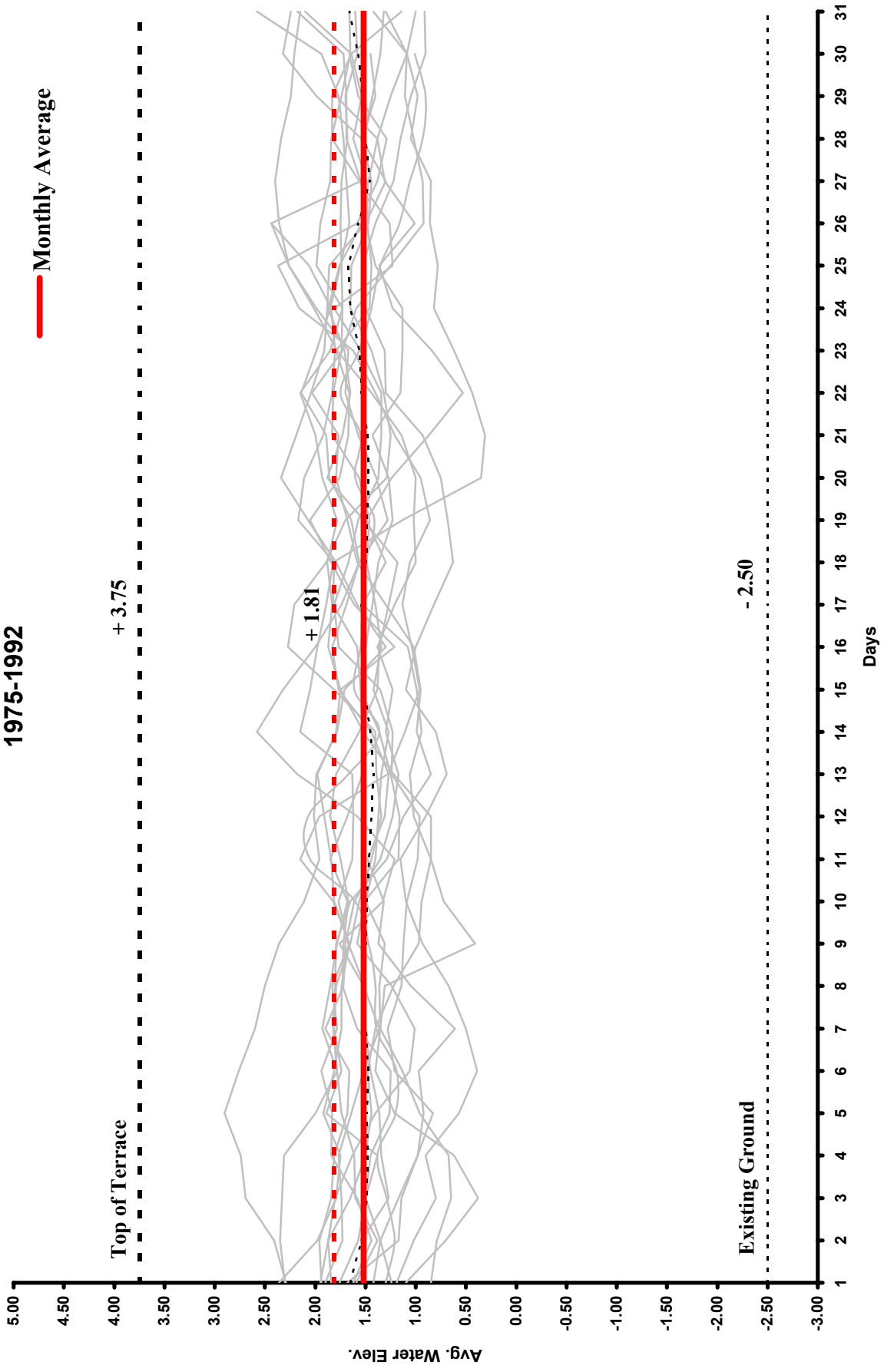
September Average Water Elevation 1975-1992

..... Daily Average
—— Monthly Average



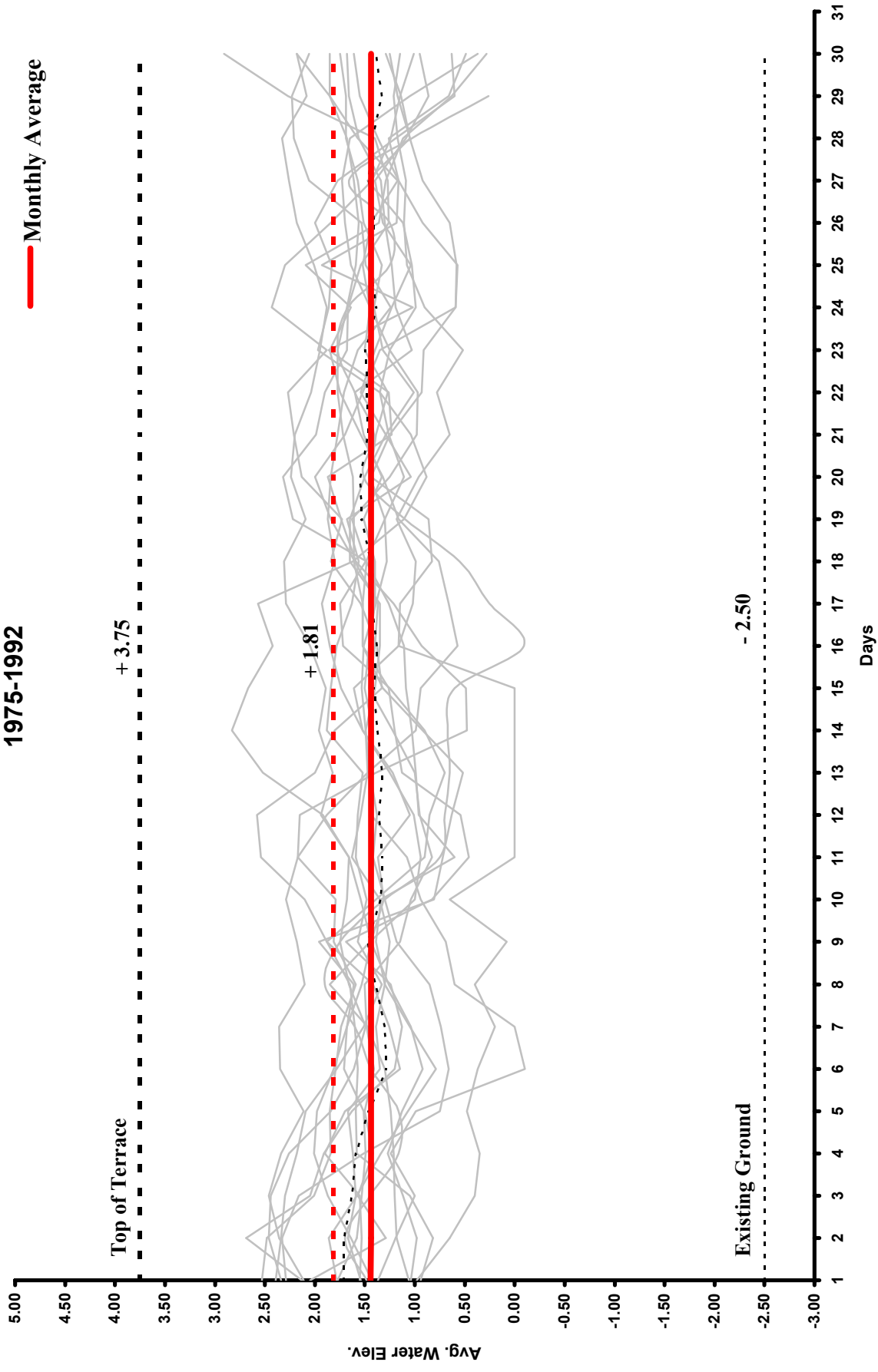
October Average Water Elevation 1975-1992

..... Daily Average
—— Monthly Average



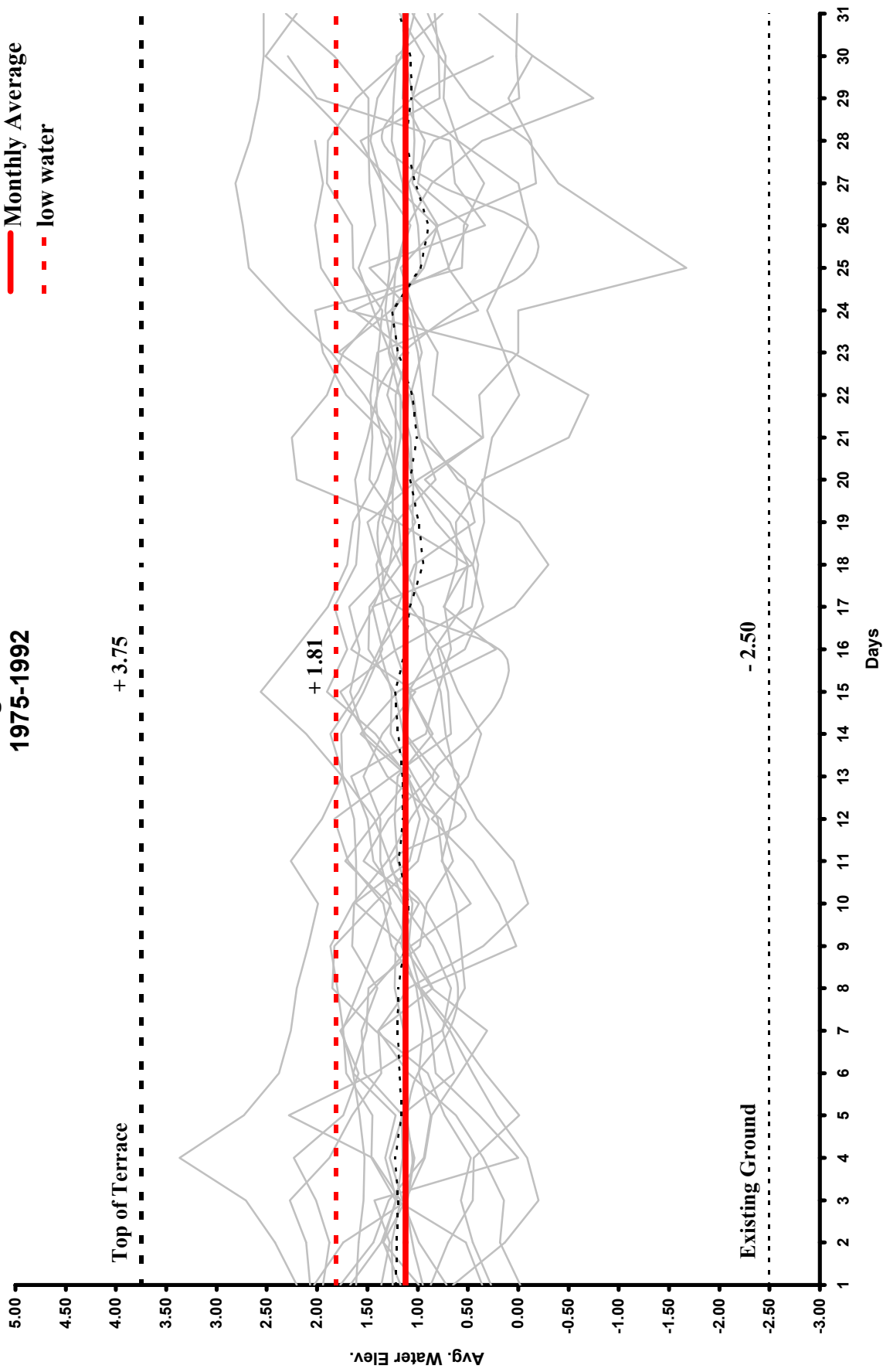
November Average Water Elevation 1975-1992

----- Daily Average
—— Monthly Average



December Average Water Elevation 1975-1992

- Daily Average
- Monthly Average
- - - low water



DAILY STAGES FOR 1975 BAYOU BIENVENUE AT PARIS ROAD 76020
DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.99	0.91	0.63	1.43	1.69	1.04	1.09	1.13	1.77	1.76	2.11	1.61
2	1.22	0.66	0.26	1.30	1.42	0.96	1.51	1.47	1.70	1.57	2.36	1.59
3	1.57	0.63	0.67	0.75	1.22	0.89	1.49	1.73	1.71	1.50	2.46	1.54
4	1.04	0.65	1.14	0.84	1.04	0.67	1.46	1.59	1.89	1.38	2.34	1.53
5	0.78	0.95	1.26	0.58	1.20	0.76	1.02	1.49	1.95	1.89	2.11	1.58
6	0.83	0.91	0.97	0.67	1.56	0.45	0.96	1.12	1.94	1.74	2.35	1.64
7	0.57	0.68	0.86	0.74	1.67	0.32	0.57	1.05	2.08	1.81	2.36	1.51
8	1.13	0.72	0.60	1.24	1.76	0.37	0.10	1.20	2.05	1.79	2.10	1.49
9	0.99	0.94	1.11	1.76	1.46	0.41	0.24	1.24	2.26	1.65	2.18	0.98
10	1.35	1.18	1.52	1.35	1.39	0.60	0.12	1.65	2.21	1.56	2.29	0.91
11	1.30	1.40	1.30	1.51	1.24	0.83	-0.04	1.67	2.07	1.44	2.17	0.65
12	1.87	1.40	1.50	1.30	1.24	0.79	0.40	1.59	1.99	1.34	2.15	0.77
13	0.95	1.08	1.50	1.20	1.23	0.95	0.74	1.44	1.90	1.39	1.39	1.30
14	0.47	0.81	0.43	2.06	1.29	0.67	0.94	1.28	1.95	1.40	0.48	1.54
15	0.17	1.06	0.95	1.70	1.27	0.57	1.14	1.18	2.04	1.81	0.49	1.67
16	0.58	1.45	1.68	1.26	1.18	0.80	1.20	1.13	2.25	2.27	0.93	1.58
17	0.73	1.22	1.08	1.08	1.20	1.06	1.37	1.10	2.42	2.21	1.21	1.68
18	0.93	1.07	1.65	1.03	0.89	1.25	1.34	0.95	2.18	1.89	1.59	1.28
19	0.78	0.89	1.13	1.12	0.59	1.46	1.13	0.93	1.99	1.70	1.74	1.22
20	0.55	0.98	0.69	1.44	0.58	1.49	1.08	0.94	1.89	1.29	1.87	0.82
21	0.45	1.21	0.71	1.67	0.94	1.42	0.79	1.02	2.24	1.25	1.23	0.98
22	0.92	1.86	0.74	1.74	0.96	1.47	0.89	1.50	2.86	1.32	1.26	1.07
23	1.05	1.89	0.41	1.50	0.93	2.00	0.89	1.78	2.65	1.44	1.86	0.96
24	0.98	0.53	1.28	1.55	1.01	2.13	0.99	1.66	2.11	1.65	1.02	1.06
25	0.94	-0.04	1.10	1.45	1.07	1.91	1.05	1.67	1.80	1.64	1.93	1.48
26	0.88	0.51	1.16	1.34	1.08	1.62	1.07	1.74	1.59	1.47	1.18	0.33
27	1.06	0.71	2.04	1.27	0.93	1.39	1.06	1.86	1.60	1.44	1.16	0.63
28	1.12	0.64	2.13	1.23	1.08	1.21	1.30	1.77	1.54	1.53	1.37	0.68
29	1.20		1.80	1.15	1.16	1.21	1.48	1.88	1.45	1.40	1.55	2.00
30	1.01		1.41	1.17	1.25	1.05	1.22	1.94	1.51	1.45	1.61	2.29
31	0.98	1.05	1.19	0.70	1.89	1.51	1.79					

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.95	0.96	1.12	1.28	1.18	1.06	0.95	1.44	1.99	1.60	1.69	1.30
MAX	1.87	1.89	2.13	2.06	1.76	2.13	1.51	1.94	2.86	2.27	2.46	2.29
MIN	0.17	-0.04	0.26	0.58	0.58	0.32	-0.04	0.93	1.45	1.25	0.48	0.33

DAILY STAGES FOR 1976
BAYOU BIENVENUE AT PARIS ROAD

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.39	1.03	0.83	0.56	0.73	1.13	0.55	0.39	1.43	1.10	0.98	-0.02
2	1.44	1.23	0.81	0.06	0.50	0.99	0.59	0.50	1.42	0.70	0.65	0.18
3	1.37	-0.05	0.67	-0.05	0.26	0.96	0.50	0.94	1.18	0.38	0.40	0.14
4	1.14	0.28	0.98	0.12	0.30	1.20	0.60	0.88	1.03	0.62	0.35	0.35
5	1.19	0.34	1.15	0.23	0.35	1.48	0.61	1.08	0.86	1.21	0.48	0.62
6	1.07	0.58	0.83	0.61	0.95	2.55	0.85	0.86	1.19	1.40	0.37	1.09
7	1.34	-0.07	0.75	0.89	0.75	2.39	0.93	0.31	1.55	1.35	0.20	1.39
8	0.42	-0.28	0.98	0.79	1.36	1.83	0.86	0.43	1.57	1.31	0.40	0.85
9	0.08	-0.71	0.91	0.97	1.17	1.50	0.83	0.68	1.13	0.41	0.08	1.07
10	-0.07	-0.26	0.37	0.86	1.25	1.25	0.74	0.65	0.99	0.72	0.65	1.29
11	0.60	-0.22	0.23	0.76	1.30	1.00	0.61	0.62	1.24	0.85	-	1.72
12	0.59	0.17	1.13	0.52	0.91	0.65	0.57	0.80	1.29	1.02	-	1.40
13	0.87	0.52	0.74	0.62	0.91	0.65	0.38	0.67	2.20	1.06	-	1.07
14	0.78	0.60	1.19	0.66	1.07	0.66	0.24	0.79	2.13	0.94	-	1.52
15	0.98	0.77	1.38	0.86	0.94	1.00	0.19	0.93	1.84	0.99	-	1.77
16	0.86	0.78	1.02	1.27	0.63	0.88	0.12	0.89	1.35	1.08	1.16	1.21
17	-0.03	0.73	0.42	1.83	0.58	0.89	-0.11	0.68	1.13	1.53	1.15	0.46
18	0.39	0.44	0.12	2.12	0.38	1.05	0.24	0.90	1.08	1.30	0.83	0.40
19	0.51	0.13	0.32	1.74	0.68	0.84	0.62	1.50	1.08	1.49	0.86	0.50
20	0.94	0.28	0.69	1.42	0.55	0.86	0.76	1.69	1.08	1.24	1.44	0.93
21	0.56	0.83	0.41	1.05	0.94	1.14	0.64	1.20	1.01	0.87	1.25	0.36
22	-0.32	0.64	0.61	0.66	1.60	1.09	0.66	0.92	1.27	0.53	0.93	0.85
23	-0.31	-0.02	0.85	0.63	1.79	1.15	0.40	0.58	1.54	0.84	0.91	0.80
24	0.04	-0.44	0.72	0.60	1.40	1.34	0.49	0.35	1.62	1.23	0.59	1.04
25	0.53	0.13	1.30	0.51	1.09	1.44	0.60	0.55	1.68	1.36	0.57	1.17
26	0.98	0.54	1.22	0.60	0.98	1.40	0.49	0.91	1.74	1.01	0.92	0.79
27	0.89	0.24	1.45	1.05	1.20	1.26	0.39	1.29	1.61	1.31	1.16	-0.18
28	0.58	0.38	1.33	0.92	0.94	1.08	0.39	1.25	1.44	1.38	1.26	-0.13
29	0.19	0.69	1.56	0.96	0.66	0.78	0.34	1.34	1.45	1.79	0.66	0.10
30	0.16		1.33	1.04	0.73	0.73	0.44	1.42	1.10	2.40	0.49	-0.14
31	0.36	0.98	1.03	0.56	1.37	1.38	0.45					

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

	jan	feb	mar	apr	may	jun	jul	aug	sep	oct	nov	dec
AVG	0.63	0.29	0.88	0.83	0.90	1.17	0.52	0.88	1.37	1.12	0.75	0.74
MAX	1.44	1.03	1.56	2.12	1.79	2.55	0.93	1.69	2.20	2.40	1.44	1.77
MIN	-0.32	0.71	0.12	-0.05	0.26	0.65	-0.11	0.31	0.86	0.38	0.08	-0.18

DAILY STAGES FOR 1977
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.84	0.80	-0.45	-	1.20	-	-	0.42	3.08	1.62	2.13	1.17
2	1.44	0.84	-0.24	-	1.72	-	-	0.60	2.80	1.44	2.69	1.34
3	1.77	1.18	1.32	-	1.46	-	-	1.11	2.73	1.58	2.05	1.12
4	1.29	1.09	1.78	-	1.28	-	-	1.15	2.96	1.84	1.91	0.93
5	1.11	0.47	1.49	-	1.15	-	-	1.26	3.24	1.83	1.63	0.86
6	1.25	0.61	1.88	-	1.11	-	-	1.47	3.23	1.94	1.20	0.58
7	0.83	0.61	1.09	-	1.11	0.36	-	1.53	2.28	1.78	1.13	0.31
8	1.05	0.61	0.66	-	0.96	1.35	-	1.44	1.69	1.83	1.24	0.86
9	1.33	0.28	0.28	-	0.70	1.24	-	1.38	1.49	1.66	1.69	1.14
10	-0.20	0.07	0.87	-	1.49	0.93	-	1.45	1.38	1.82	0.83	1.61
11	0.34	0.12	1.29	-	1.52	0.87	0.92	1.80	1.29	2.15	0.46	1.61
12	0.40	0.39	1.74	-	1.99	0.55	0.85	1.78	1.39	1.96	0.54	1.63
13	0.64	0.28	1.03	-	1.77	-	0.66	1.65	1.52	1.28	1.13	1.75
14	1.28	0.28	-	-	1.21	-	0.63	1.43	1.62	1.11	1.20	1.76
15	0.97	0.38	-	-	0.98	-	0.63	1.26	1.60	0.96	1.26	1.54
16	0.92	0.14	-	-	0.91	-	0.81	1.29	1.87	1.04	1.52	1.35
17	0.69	0.05	-	-	0.90	-	1.00	1.16	2.00	1.13	1.52	1.45
18	0.15	-0.23	-	-	1.24	-	1.33	1.05	2.04	1.06	1.48	0.45
19	-1.04	0.12	-	1.81	1.27	-	1.40	0.99	1.92	0.86	2.22	0.34
20	-0.74	0.17	-	2.15	1.04	-	1.09	0.75	1.90	0.95	2.32	0.36
21	-0.21	0.09	-	2.61	1.09	-	1.09	0.71	1.85	1.21	1.99	-0.50
22	0.16	0.19	-	2.12	1.21	-	1.00	0.90	1.74	1.40	1.90	-0.70
23	0.54	0.97	-	1.65	1.49	-	0.91	0.94	1.68	1.62	1.68	0.06
24	0.70	0.38	-	0.96	1.44	-	1.00	1.12	1.72	2.16	1.67	1.69
25	-0.04	0.11	-	0.91	1.35	-	1.03	1.02	1.67	2.37	1.54	1.96
26	-0.28	0.34	-	0.76	1.14	-	0.96	1.18	1.62	1.58	1.26	2.02
27	0.11	0.43	-	0.66	-	-	0.95	1.46	1.50	1.38	1.27	1.94
28	0.39	0.37	-	0.46	-	-	0.86	2.00	1.39	1.29	1.40	2.02
29	0.65	-	0.46	-	-	0.65	2.74	1.71	1.32	1.57	2.27	
30	0.52	-	0.71	-	-	0.40	3.23	1.71	1.39	1.66	2.91	
31	1.14	-	-	0.29	3.12	1.65	2.68					

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.58	0.40	0.98	1.27	1.26	0.88	0.88	1.40	1.95	1.52	1.54	1.24
MAX	1.77	1.18	1.88	2.61	1.99	1.35	1.40	3.23	3.24	2.37	2.69	2.61
MIN	-1.04	-0.23	-0.45	0.46	0.70	0.36	0.29	0.42	1.29	0.86	0.46	-0.70

DAILY STAGES FOR 1978
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.38	2.74	1.46	0.48	1.98	-	-	-	-	2.36	1.77	1.94
2	2.29	2.42	1.89	0.81	2.12	-	-	-	-	1.98	1.58	1.88
3	1.95	2.22	2.37	1.28	3.46	-	-	-	-	1.79	1.53	2.01
4	1.69	2.05	1.84	1.54	4.24	-	-	-	-	1.75	1.49	2.23
5	1.78	1.91	1.58	1.56	3.20	-	-	-	-	1.92	1.51	1.74
6	1.90	1.64	1.60	1.56	3.06	-	-	-	-	1.81	1.71	1.59
7	2.16	2.13	2.18	1.46	3.54	-	-	-	-	1.74	1.68	1.77
8	2.61	2.65	2.63	1.20	3.13	-	-	-	-	1.74	1.53	1.43
9	0.85	2.61	1.99	1.31	2.57	-	-	-	-	1.66	1.44	1.07
10	1.90	1.94	0.69	1.53	2.45	-	-	-	-	1.81	1.31	0.47
11	2.13	1.59	1.07	1.57	2.36	-	0.97	-	-	1.84	1.37	0.76
12	2.60	1.98	1.32	1.76	2.51	-	-	-	1.67	1.91	1.05	0.66
13	2.34	2.15	1.63	2.32	2.28	-	-	-	1.56	1.98	1.22	0.59
14	1.23	0.82	1.86	1.92	1.47	-	-	-	1.46	1.79	1.52	0.88
15	0.84	1.52	1.61	1.70	1.33	-	-	-	1.32	1.75	1.74	1.08
16	1.16	1.88	1.10	1.66	1.06	-	-	-	1.28	1.21	1.85	1.23
17	1.70	1.94	0.44	1.79	-	-	-	-	1.44	1.61	1.93	1.34
18	1.46	2.37	-0.06	1.96	-	-	-	-	1.74	1.84	1.80	1.41
19	2.66	1.66	-0.09	1.39	-	-	-	-	2.04	2.05	1.87	1.25
20	1.16	1.70	0.83	1.74	-	-	-	-	2.24	1.76	1.84	1.25
21	1.44	1.04	1.49	1.66	-	-	-	-	2.25	1.67	1.77	1.22
22	1.65	0.49	1.27	1.97	-	-	-	-	2.01	1.66	1.71	1.22
23	1.70	-0.01	1.35	2.41	-	-	-	-	1.90	1.79	1.57	1.09
24	2.29	1.02	1.69	2.66	-	-	-	-	1.76	1.46	1.24	1.64
25	2.96	1.51	1.59	2.41	-	-	-	-	1.70	1.44	1.49	0.69
26	1.24	1.38	1.09	1.63	-	-	-	-	1.90	1.48	1.53	0.82
27	1.43	1.63	0.89	1.10	-	-	-	-	2.11	1.49	2.06	1.25
28	0.96	1.94	0.97	0.91	-	-	-	-	2.39	1.62	2.21	1.65
29	1.24		0.44	1.18	-	-	-	-	2.69	1.54	2.23	2.06
30	1.37		0.28	1.66	-	-	-	-	2.85	1.64	2.06	2.51
31	2.17		0.21		1.32		-	-		2.10		2.20

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	1.78	1.75	1.26	1.60	2.48		0.97		1.91	1.75	1.65	1.38
MAX	2.96	2.74	2.63	2.66	4.24		0.97		2.85	2.36	2.23	2.51
MIN	0.84	-0.01	-0.09	0.48	1.06		0.97		1.28	1.21	1.05	0.47

DAILY STAGES FOR 1979
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.20	0.39	1.09	1.56	2.14	1.03	0.53	0.91	2.03	1.68	2.53	0.36
2	1.46	0.36	1.24	1.60	2.24	1.07	0.84	0.84	2.06	1.17	2.48	0.52
3	0.45	0.61	2.32	1.51	2.41	0.84	0.54	1.14	2.25	1.14	2.01	1.21
4	0.44	0.60	1.93	1.76	2.34	0.73	0.70	1.16	2.02	0.98	1.84	1.32
5	0.93	1.42	1.53	1.35	2.22	0.70	0.67	1.19	1.62	0.92	1.85	1.22
6	0.79	3.05	1.32	1.34	1.75	0.83	0.68	1.14	1.34	0.97	1.79	1.64
7	1.52	2.62	0.74	0.99	1.82	0.96	0.88	1.26	1.44	0.61	1.74	1.75
8	0.99	1.60	0.34	1.22	2.07	1.16	0.99	1.34	1.61	1.05	1.59	1.58
9	0.83	0.92	0.74	0.36	2.05	1.23	1.14	1.42	1.79	1.37	1.81	1.42
10	0.89	0.87	1.15	1.53	2.03	1.46	1.18	1.43	2.13	1.32	1.79	1.27
11	1.43	0.72	1.00	2.28	1.86	1.43	2.02	1.16	2.67	1.48	2.17	1.37
12	1.98	0.85	0.70	2.42	1.74	1.61	1.46	0.93	2.69	1.31	1.88	1.37
13	2.04	0.70	0.86	1.95	1.51	1.68	1.37	1.45	2.54	1.27	1.47	1.54
14	1.38	0.85	1.07	1.57	1.40	1.61	1.39	1.62	2.33	1.44	0.99	1.35
15	1.02	0.94	1.11	1.51	1.40	1.98	1.28	1.33	2.35	1.77	0.94	1.02
16	1.07	0.87	1.25	1.37	1.25	1.80	1.24	1.44	2.34	1.83	0.57	1.66
17	1.14	0.82	1.51	1.22	1.24	1.37	1.24	1.45	2.39	1.69	0.66	1.44
18	0.85	1.02	1.77	1.05	1.17	0.93	1.65	1.46	2.54	1.56	0.76	1.28
19	1.06	1.07	1.72	1.03	1.18	1.07	1.71	1.51	2.53	1.64	1.16	1.02
20	1.34	0.85	1.49	1.11	0.74	0.96	1.55	1.43	2.53	1.86	1.32	1.20
21	0.08	1.65	1.09	1.75	0.81	1.00	1.40	1.34	2.88	1.89	1.54	1.29
22	-0.38	1.41	1.16	3.22	1.11	1.05	1.62	1.23	2.22	2.14	1.75	1.71
23	0.33	1.62	1.83	3.70	1.56	0.96	2.70	1.34	2.09	1.99	1.85	1.94
24	0.14	2.09	-0.11	3.44	1.35	0.98	3.09	1.33	2.14	1.85	1.64	2.02
25	-0.08	1.42	-0.43	3.34	1.04	0.86	2.98	1.62	2.35	1.75	2.09	0.56
26	0.93	-0.08	0.54	2.26	0.93	1.13	2.62	1.75	2.47	1.66	1.36	0.54
27	1.45	0.79	0.84	2.08	0.51	1.16	2.37	1.85	2.59	1.69	1.29	0.34
28	0.97	1.07	1.14	2.10	0.42	1.26	2.16	1.88	2.36	1.72	1.12	0.61
29	0.82		1.39	1.90	0.53	1.18	1.65	2.16	2.13	1.77	0.63	1.04
30	1.08		1.70	2.09	0.79	0.83	1.19	2.41	1.92	1.94	0.28	1.13
31	1.15		1.81		0.91		1.10	2.12		2.58	1.15	

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.98	1.11	1.16	1.83	1.44	1.16	1.48	1.44	2.21	1.55	1.50	1.22
MAX	2.20	3.05	2.32	3.70	2.41	1.98	3.09	2.41	2.88	2.58	2.35	2.02
MIN	-0.38	-0.08	-0.43	0.36	0.42	0.70	0.53	0.84	1.34	0.61	0.28	0.34

DAILY STAGES FOR 1980
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.63	1.18	1.18	1.56	0.71	1.60	0.00	0.93	1.55	1.24	1.04	0.99
2	0.64	1.11	-0.04	2.21	1.11	1.54	0.29	1.02	1.53	1.35	0.98	1.34
3	0.96	0.98	0.23	2.87	0.94	1.54	0.82	0.76	1.82	1.17	1.12	1.22
4	1.09	0.68	0.44	2.25	0.75	1.47	0.78	0.92	2.66	0.98	1.27	1.46
5	0.87	0.89	1.26	1.74	0.60	1.27	1.04	1.19	3.21	0.83	1.13	1.45
6	0.96	0.74	1.17	1.56	0.05	1.17	1.11	1.33	2.74	1.21	0.92	1.71
7	1.34	0.71	1.17	2.41	-0.01	0.97	0.98	1.50	2.07	1.28	1.04	1.74
8	1.19	1.16	0.82	2.48	0.00	0.80	0.99	1.95	1.59	1.14	1.26	1.80
9	1.44	1.55	0.83	1.75	1.00	1.16	1.11	2.23	1.42	1.12	1.44	1.87
10	1.40	1.27	0.74	1.34	0.98	1.45	1.16	2.11	1.33	1.09	1.54	1.64
11	2.24	1.13	0.55	1.35	1.18	1.41	0.94	1.94	1.14	0.98	1.66	1.30
12	1.91	0.96	1.05	1.95	1.18	1.28	0.50	1.80	1.45	0.96	1.92	1.07
13	1.89	1.16	0.65	4.05	1.21	1.27	0.24	1.47	1.68	1.24	2.52	0.79
14	2.05	1.59	0.87	3.06	1.16	1.22	0.04	1.30	1.53	1.23	2.83	1.12
15	1.85	1.63	1.27	1.87	1.24	1.08	-0.25	1.21	1.56	1.35	2.67	1.07
16	1.81	1.64	1.70	1.26	1.87	1.06	0.34	1.28	1.62	1.77	2.42	0.22
17	1.93	1.34	1.94	1.31	2.46	0.92	0.72	1.38	1.48	1.81	2.57	0.74
18	2.03	1.55	1.55	1.19	2.13	0.70	1.14	1.25	1.53	1.67	1.62	0.50
19	1.87	1.65	1.48	1.45	2.05	0.35	1.09	1.20	1.69	1.57	1.11	0.68
20	1.67	1.31	1.59	1.37	1.82	0.61	1.34	1.06	1.70	1.37	0.88	1.05
21	1.54	1.04	0.65	1.04	1.01	0.68	1.47	1.12	1.68	1.34	1.04	1.07
22	1.64	1.48	0.74	0.68	1.75	0.43	1.71	1.09	1.73	1.34	1.35	1.18
23	1.32	1.44	0.53	0.49	1.37	0.58	1.77	1.19	1.71	1.55	1.97	1.29
24	0.49	1.20	1.04	0.46	1.36	0.67	2.12	1.24	1.79	1.81	1.86	1.24
25	0.22	1.14	1.00	1.13	1.15	0.54	2.00	1.63	1.85	1.23	1.83	0.97
26	1.25	0.85	1.11	1.39	1.25	0.05	1.60	1.61	2.00	1.26	2.00	1.00
27	1.17	0.66	1.92	0.68	1.40	0.19	1.26	1.57	2.04	1.56	1.77	1.09
28	1.17	0.14	2.48	0.58	1.40	0.40	0.71	1.54	2.17	1.83	1.19	0.84
29	1.27	0.81	2.12	-0.06	1.41	0.37	0.36	1.52	1.79	1.83	0.60	-0.01
30	1.41		2.56	0.05	1.55	-0.14	0.55	1.53	1.37	1.64	0.63	0.02
31	1.43		1.65		1.59		0.70	1.51		1.14		0.01

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	1.38	1.14	1.17	1.52	1.22	0.89	0.92	1.40	1.78	1.35	1.54	1.05
MAX	2.24	1.65	2.56	4.05	2.46	1.60	2.12	2.23	3.21	1.83	2.83	1.87
MIN	0.22	0.14	-0.04	-0.06	-0.01	-0.14	-0.25	0.76	1.14	0.83	0.60	-0.01

DAILY STAGES FOR 1981
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.02	1.99	0.74	1.34	0.94	1.10	-	1.08	1.52	1.90	2.39	1.77
2	0.26	1.52	0.84	1.25	1.22	0.96	-	1.10	1.51	1.73	2.34	1.44
3	-0.10	0.75	1.26	1.41	1.38	1.00	-	1.24	1.70	1.74	2.30	1.29
4	0.15	0.51	1.84	1.69	1.82	1.11	-	1.32	1.72	1.77	2.18	0.94
5	0.94	1.06	1.49	1.25	2.43	1.35	-	1.32	1.74	1.64	2.09	0.87
6	1.12	2.17	1.08	0.99	2.47	1.40	-	1.33	1.79	1.52	1.78	0.99
7	1.18	2.12	1.26	0.77	2.24	1.05	-	1.12	1.71	1.36	1.51	0.95
8	1.16	1.80	1.54	1.32	2.04	0.81	-	0.83	1.66	1.52	1.33	1.01
9	1.21	1.43	1.10	1.32	1.96	0.68	-	0.99	1.65	1.76	1.57	1.16
10	1.29	2.32	0.65	1.21	1.89	0.57	-	1.04	1.78	1.33	1.48	1.14
11	1.08	1.85	0.35	1.39	0.66	1.08	-	0.99	1.72	1.21	1.59	1.28
12	0.83	1.28	0.53	1.41	0.91	1.23	-	1.12	1.58	1.58	1.57	1.43
13	0.19	1.15	0.77	1.43	0.95	1.41	-	1.28	1.45	2.18	1.52	1.74
14	0.00	1.25	0.85	1.27	0.92	1.52	0.93	1.19	1.50	2.58	1.88	1.87
15	0.37	1.13	0.78	1.17	0.86	1.57	0.76	1.20	1.58	2.32	1.84	1.59
16	0.66	1.83	0.45	1.10	0.92	1.41	0.67	1.00	1.38	2.00	1.78	1.38
17	0.42	1.89	0.70	1.72	1.55	1.14	0.63	1.04	1.70	1.74	1.63	1.20
18	0.42	1.71	0.59	1.74	1.58	0.99	0.56	1.12	1.79	1.56	1.56	1.03
19	0.08	1.45	-0.35	1.37	1.28	0.96	0.38	1.39	1.62	1.28	1.68	0.43
20	1.35	0.98	-0.07	1.02	1.04	1.23	0.34	1.42	1.34	1.39	1.04	0.53
21	0.42	0.84	0.27	0.64	0.95	-	0.22	1.48	1.27	1.57	1.29	0.99
22	0.60	1.03	1.24	0.84	0.83	-	0.46	1.66	1.25	1.70	1.01	1.04
23	0.48	-0.10	0.21	1.10	1.05	-	0.69	1.86	1.08	1.67	1.32	1.28
24	0.73	0.24	0.26	0.96	1.18	-	1.11	1.89	1.09	1.99	1.41	1.44
25	0.86	0.35	0.24	1.05	1.46	-	1.49	1.89	1.14	2.26	1.33	1.59
26	0.84	0.53	0.19	1.27	1.79	-	1.47	1.91	1.39	2.44	1.51	1.42
27	0.86	0.56	0.18	1.36	1.25	-	1.56	1.97	1.68	1.55	1.57	1.48
28	0.98	0.66	0.67	1.40	1.29	-	1.44	2.09	1.60	1.69	1.69	1.49
29	0.83		1.37	1.53	1.20	-	1.26	2.09	1.60	1.69	1.69	1.49
30	0.94		1.66	1.12	1.02	-	1.38	1.96	1.63	1.72	1.75	1.83
31	1.06		1.57		1.06		1.17	1.73		2.18		2.31

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.68	1.22	0.78	1.25	1.36	1.13	0.92	1.41	1.53	1.75	1.66	1.31
MAX	1.35	2.32	1.84	1.74	2.47	1.57	1.56	2.09	1.79	2.58	2.39	2.31
MIN	-0.10	-0.10	-0.35	0.64	0.66	0.57	0.22	0.83	1.08	1.21	1.01	0.43

DAILY STAGES FOR 1982
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.54	1.28	0.95	1.80	1.50	1.54	0.54	0.76	1.54	2.29	2.34	2.20
2	1.53	1.77	0.62	1.48	1.41	1.71	0.67	0.94	1.51	2.41	2.46	2.42
3	1.37	1.85	0.59	1.42	1.19	1.58	0.67	0.86	1.40	2.69	2.44	2.71
4	0.86	1.71	0.97	1.35	0.99	1.42	0.50	0.80	1.59	2.74	2.26	3.37
5	0.68	1.67	1.32	1.77	0.90	1.28	0.57	0.94	1.76	2.90	1.84	2.73
6	0.99	1.44	1.69	1.28	1.32	1.53	0.66	1.14	1.82	2.76	1.61	2.38
7	1.07	1.37	1.44	1.86	1.66	1.34	0.71	1.40	2.07	2.60	1.49	2.26
8	1.18	1.23	1.30	1.87	1.25	1.20	0.82	1.51	2.52	2.50	1.66	2.20
9	1.13	1.34	1.01	1.54	1.39	0.99	0.79	1.52	2.80	2.36	1.75	2.09
10	1.01	1.32	1.26	1.61	1.12	0.78	0.89	1.50	2.75	2.11	1.68	1.99
11	0.92	1.10	1.30	1.67	1.20	0.63	0.93	1.45	2.38	1.96	1.66	2.26
12	1.05	1.18	1.23	0.95	1.32	0.73	0.92	1.55	2.16	2.01	1.94	1.95
13	1.63	0.68	1.13	0.60	1.45	0.70	1.23	1.39	2.00	1.99	1.82	1.75
14	1.25	0.86	0.95	0.37	1.95	0.94	1.16	1.28	1.83	1.78	1.96	2.11
15	0.46	1.15	0.88	0.50	1.80	1.06	1.35	1.30	1.81	1.71	1.89	2.56
16	0.35	0.98	0.96	0.93	1.64	1.24	1.45	1.32	1.64	1.30	2.05	2.22
17	0.79	0.79	1.04	1.17	1.53	1.49	1.55	1.46	1.64	1.58	2.29	1.89
18	0.77	1.01	0.98	1.14	1.46	1.76	1.46	1.59	1.75	1.79	2.31	1.70
19	0.63	0.99	0.77	1.14	1.25	1.77	1.31	1.76	1.75	2.07	2.09	1.64
20	0.72	1.03	0.75	0.99	1.15	1.44	1.19	1.88	1.86	2.34	2.24	1.40
21	0.80	1.08	0.92	1.53	1.24	1.39	1.27	1.71	2.17	2.19	2.20	1.26
22	0.86	0.99	1.38	1.52	1.16	1.45	1.14	1.31	1.99	2.04	2.04	1.53
23	1.05	0.98	1.98	1.81	1.18	1.39	0.95	1.11	1.93	1.91	1.95	1.86
24	0.98	1.08	1.93	1.88	1.24	1.36	0.69	0.86	1.85	1.88	1.88	2.29
25	0.96	1.18	1.91	2.91	1.12	1.29	0.92	0.73	1.69	1.86	2.01	2.68
26	0.97	1.69	1.72	2.14	1.25	1.04	1.13	0.83	1.64	1.50	2.18	2.74
27	1.45	2.10	1.85	1.68	1.35	0.85	1.11	0.80	1.61	1.30	2.26	2.81
28	1.38	1.49	2.43	1.53	1.26	0.56	0.90	0.80	1.65	1.54	2.33	2.67
29	1.49		2.58	1.25	1.28	0.55	0.88	0.93	1.86	1.99	2.08	2.58
30	1.73		2.37	1.35	1.50	0.53	0.76	1.10	2.12	2.32	2.18	2.53
31	1.67		2.10		1.89		0.79	1.54		2.24		2.53

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	1.07	1.26	1.36	1.43	1.35	1.18	0.96	1.23	1.90	2.09	2.03	2.24
MAX	1.73	2.10	2.58	2.91	1.95	1.77	1.55	1.88	2.80	2.90	2.46	3.37
MIN	0.35	0.68	0.59	0.37	0.90	0.53	0.50	0.73	1.40	1.30	1.49	1.26

DAILY STAGES FOR 1983
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2.21	1.91	0.58	0.74	0.84	0.94	0.88	1.57	0.85	1.30	1.48	0.95
2	1.94	1.37	-0.08	0.44	0.87	0.90	0.79	1.61	1.06	1.21	1.70	1.05
3	1.26	-0.30	-0.09	-0.63	0.71	0.88	0.86	1.76	1.11	1.29	1.45	1.10
4	0.94	-0.41	0.56	-0.15	0.61	0.75	0.86	1.60	1.15	1.38	1.16	1.05
5	0.86	0.55	1.53	0.80	0.60	0.80	0.84	1.35	1.12	1.20	1.16	1.10
6	0.38	1.56	1.35	1.24	0.48	1.00	0.70	1.14	1.15	1.19	1.44	1.00
7	0.30	1.03	1.24	2.25	0.64	1.05	1.03	0.90	1.11	1.39	1.60	0.69
8	0.32	0.54	1.08	2.60	0.91	1.23	1.07	0.84	1.10	1.40	1.90	0.60
9	0.84	0.62	0.83	1.73	0.84	1.20	1.23	0.85	1.00	1.47	1.75	0.73
10	0.99	1.28	-0.19	0.89	0.95	1.03	1.16	0.75	0.99	1.60	1.30	0.96
11	0.94	0.98	-0.33	0.24	1.05	1.07	1.00	0.61	1.40	2.05	0.75	1.26
12	0.36	1.01	-0.22	0.48	1.17	2.31	0.85	0.43	1.41	2.07	0.70	0.53
13	0.31	1.03	0.02	1.03	1.16	1.43	0.84	0.11	1.11	1.67	0.65	0.85
14	0.20	0.98	0.23	1.88	1.23	1.53	0.85	0.27	0.96	1.36	0.67	0.45
15	0.23	0.48	0.78	1.50	1.13	1.41	0.77	0.75	0.96	1.61	0.60	0.15
16	0.69	1.17	1.49	1.18	1.17	1.08	0.76	1.10	0.96	1.55	-0.09	0.19
17	0.50	1.36	1.57	0.85	1.09	0.92	0.80	1.24	0.95	1.53	0.25	1.20
18	0.70	0.68	1.18	0.05	1.37	0.85	0.68	1.25	1.05	1.50	0.55	1.36
19	2.01	0.35	0.22	0.22	1.58	1.23	0.50	1.14	1.06	1.41	1.10	1.39
20	2.82	0.65	0.43	0.82	1.40	1.43	0.31	0.91	1.26	1.60	1.51	1.23
21	2.71	1.43	-0.23	1.02	1.70	1.82	0.50	0.68	1.10	1.55	1.41	1.35
22	1.74	1.59	-0.39	1.38	1.56	1.85	0.56	0.46	1.13	1.75	1.60	1.40
23	0.99	0.72	0.01	2.18	1.34	1.53	0.36	0.59	1.29	1.56	1.77	1.14
24	0.34	0.72	1.08	0.91	1.15	1.49	-0.09	0.61	1.39	1.44	1.67	0.60
25	0.54	0.56	0.93	0.22	1.18	1.35	-0.25	0.51	1.65	1.35	1.25	-0.11
26	0.95	1.33	1.28	0.08	1.04	1.27	-0.49	0.63	1.84	1.16	1.25	-0.09
27	1.24	1.42	1.45	0.45	0.78	1.09	-0.36	1.44	1.65	1.06	1.66	0.82
28	1.21	1.35	0.98	0.65	0.74	1.28	0.07	1.36	1.61	0.93	1.03	1.35
29	1.24		0.88	0.65	0.70	1.18	0.69	0.75	1.60	0.90	0.26	1.05
30	1.18		1.01		0.79		1.42	0.81		1.01		0.25
31												

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	1.03	0.93	0.65	0.89	1.01	1.23	0.66	0.93	1.22	1.40	1.14	0.83
MAX	2.82	1.91	1.57	2.60	1.70	2.31	1.42	1.76	1.84	2.07	1.90	1.40
MIN	0.20	-0.41	-0.39	-0.63	0.48	0.75	-0.49	0.11	0.85	0.90	-0.09	-0.11

DAILY STAGES FOR 1984
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.10	-0.01	-0.75	-0.02	0.70	0.63	-0.05	1.64	0.99	0.85	1.78	1.25
2	0.26	0.17	-0.23	0.52	0.82	0.30	0.04	2.02	0.81	0.79	1.86	1.26
3	0.35	0.65	0.00	0.64	0.39	0.07	0.14	1.78	0.76	0.65	1.58	1.17
4	0.50	0.56	0.39	0.26	0.20	0.08	0.17	1.69	0.80	0.67	1.34	1.45
5	0.40	0.22	0.74	-0.45	0.65	0.38	0.43	1.51	0.96	0.96	1.07	2.28
6	0.60	-0.82	0.80	-0.38	0.68	0.77	0.62	1.36	1.10	1.13	0.79	1.43
7	0.60	-0.38	0.20	-0.52	0.56	1.04	0.69	1.16	1.33	1.35	1.05	0.76
8	0.75	-0.07	-0.65	0.33	0.51	1.14	0.81	1.03	1.68	1.36	1.30	0.53
9	0.84	0.16	-0.56	0.26	0.40	1.35	0.75	0.86	1.67	1.31	1.39	0.57
10	0.94	0.20	-0.15	0.36	0.15	1.46	0.64	0.69	1.33	1.50	1.34	0.62
11	0.35	0.25	-0.10	0.76	0.03	1.45	0.55	0.35	0.89	1.40	0.60	0.75
12	0.59	0.85	0.15	1.31	0.45	1.27	0.36	0.36	0.81	1.37	0.96	0.80
13	1.05	1.00	0.88	1.21	0.50	1.09	0.35	0.35	0.84	1.34	0.99	1.04
14	1.05	0.92	0.74	0.87	0.24	0.93	0.44	0.51	0.88	1.27	1.03	1.27
15	0.97	0.80	0.66	0.64	0.17	0.82	0.43	0.60	1.03	1.42	1.09	1.26
16	1.07	0.91	0.80	-0.33	0.57	0.95	0.32	0.63	1.27	1.34	1.11	1.38
17	1.16	0.93	0.80	-0.75	0.85	1.16	0.64	0.59	1.66	1.40	1.26	1.07
18	1.45	0.87	0.78	-0.95	0.93	1.25	0.67	0.70	2.09	1.49	1.49	1.01
19	1.07	0.85	1.03	-0.60	0.84	1.11	0.65	0.94	2.22	1.46	1.30	1.05
20	1.09	0.83	1.00	-0.32	0.93	0.94	0.84	0.93	2.42	1.56	1.11	1.04
21	0.94	1.05	-0.08	0.54	1.09	0.62	0.87	0.90	-	1.83	1.26	1.11
22	0.88	0.58	-0.52	0.55	1.08	0.43	0.79	0.84	2.48	1.82	1.35	1.09
23	1.03	-0.20	0.30	0.22	1.40	0.50	0.98	0.67	2.32	1.74	1.25	1.25
24	1.02	-0.27	0.55	-0.58	0.93	0.60	1.44	0.68	2.18	1.73	0.99	1.32
25	0.67	-0.21	0.36	-0.36	0.78	0.49	1.44	0.82	2.01	1.99	1.03	1.28
26	0.60	0.29	0.14	0.64	0.80	0.66	1.39	0.75	1.87	1.95	1.12	1.30
27	0.78	1.44	0.56	1.15	0.76	0.62	1.20	0.64	1.61	1.85	1.47	1.35
28	0.40	-0.73	0.66	1.15	0.75	0.57	1.10	0.79	1.52	1.84	1.05	1.47
29	0.11	-1.65	-1.82	1.11	0.80	0.10	1.10	0.81	1.24	1.74	1.17	1.40
30	0.03		-0.51	0.96	0.93	-0.25	1.40	0.89	1.07	1.65	1.25	1.16
31	0.00		-0.70		1.00		1.45	1.06		1.66		1.09

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.70	0.32	0.18	0.27	0.67	0.75	0.73	0.92	1.44	1.43	1.21	1.16
MAX	1.45	1.44	1.03	1.31	1.40	1.46	1.45	2.02	2.48	1.99	1.86	2.28
MIN	0.00	-1.65	-1.82	-0.95	0.03	-0.25	-0.05	0.35	0.76	0.65	0.60	0.53

DAILY STAGES FOR 1985
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.34	0.57	1.17	0.44	1.10	-0.10	-0.08	-0.10	1.71	1.95	2.29	1.67
2	1.30	0.61	1.09	0.23	0.34	-0.20	-0.55	0.13	1.75	1.87	2.33	1.36
3	1.57	0.38	1.03	0.20	0.30	-0.22	-0.50	0.35	2.22	1.80	2.16	1.21
4	0.37	0.59	1.14	-0.09	0.63	-0.24	-0.50	0.85	1.84	1.63	1.51	1.15
5	-0.33	0.93	1.11	0.39	0.95	-0.27	-0.10	1.25	1.62	1.40	0.75	1.16
6	0.12	1.17	1.11	0.59	1.16	-0.19	0.61	1.32	1.44	1.06	0.66	0.64
7	0.37	1.24	1.08	0.95	1.02	-0.21	0.21	1.10	1.28	1.01	0.74	0.75
8	0.49	1.15	1.13	0.84	0.71	-0.31	0.37	0.83	1.19	1.24	0.85	0.67
9	0.80	0.88	0.98	0.76	0.39	-0.34	-0.02	0.76	1.30	1.58	1.18	0.85
10	1.05	0.69	0.81	0.51	0.69	-0.03	0.05	0.57	1.24	1.51	1.30	1.15
11	0.96	0.95	0.77	0.81	0.77	0.13	0.05	0.55	1.26	1.17	1.42	1.44
12	0.69	-1.51	0.60	1.05	0.64	-0.11	0.29	0.69	1.13	1.16	1.38	1.50
13	0.57	-1.14	0.60	1.69	0.71	0.40	0.30	0.99	1.19	1.25	1.45	1.66
14	0.24	-0.96	0.61	1.55	0.74	0.72	0.30	1.06	1.67	1.36	1.42	0.92
15	-0.09	-0.48	0.76	1.04	0.59	1.18	0.20	1.62	2.03	1.55	1.50	0.80
16	0.26	0.07	1.01	-0.01	0.26	0.91	0.25	1.73	1.92	1.58	1.46	0.67
17	0.90	0.58	1.12	0.64	-0.34	0.65	0.24	1.09	2.10	1.82	1.40	0.73
18	0.68	0.88	1.04	0.54	0.21	0.27	0.34	0.72	2.11	1.81	1.40	0.61
19	0.32	0.85	0.89	0.71	0.36	0.13	0.56	0.67	2.04	2.17	1.51	0.62
20	0.74	0.68	0.93	0.87	0.79	0.19	0.75	0.94	2.01	2.11	1.33	0.34
21	0.30	0.88	1.56	0.90	0.69	0.43	0.60	1.03	2.09	1.92	1.51	0.26
22	-0.09	1.18	1.60	0.95	0.53	0.65	0.65	1.15	2.11	1.83	1.60	-0.01
23	-0.14	1.24	1.43	1.10	0.30	0.63	0.96	1.12	1.98	1.80	1.03	0.14
24	0.20	1.09	1.22	0.90	0.21	0.60	0.91	1.07	1.63	1.84	1.19	0.31
25	0.30	1.38	1.00	0.83	0.36	0.48	0.56	1.00	1.53	2.06	1.23	0.11
26	0.14	1.33	0.82	0.90	0.51	0.36	0.48	1.03	1.30	2.44	1.30	-0.10
27	0.10	1.14	0.88	0.99	0.58	0.40	0.40	1.07	1.14	-	1.34	0.00
28	0.17	1.05	1.04	0.89	0.56	0.25	0.27	1.44	1.20	-	1.56	0.60
29	0.18		0.95	0.64	0.38	0.23	0.44	1.95	1.55	-	1.66	0.74
30	0.37		0.85	0.60	0.19	0.25	0.30	1.84	1.89	-	1.68	0.72
31	0.45		0.78		0.25		0.13	1.80		-		0.90

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.46	0.62	1.00	0.75	0.53	0.22	0.27	1.02	1.65	1.65	1.40	0.76
MAX	1.57	1.38	1.60	1.69	1.16	1.18	0.96	1.95	2.22	2.44	2.33	1.67
MIN	-0.33	-1.51	0.60	-0.09	-0.34	-0.34	-0.55	-0.10	1.13	1.01	0.66	-0.10

DAILY STAGES FOR 1986
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.92	-	-0.49	0.19	0.62	1.14	0.64	0.20	1.60	1.42	1.54	2.03
2	0.98	-	-1.09	0.13	0.26	1.22	0.31	0.20	1.57	1.35	1.67	1.74
3	0.60	-	-1.07	0.36	0.89	1.35	0.10	0.46	1.42	1.50	1.59	1.10
4	0.49	-	-0.55	1.00	1.02	1.39	0.32	0.42	1.21	1.45	1.62	1.03
5	0.60	-	-0.34	1.25	1.07	1.53	0.34	0.32	0.96	1.26	1.67	1.14
6	0.10	-	-0.12	1.20	1.10	1.40	0.49	0.40	1.01	1.25	1.35	1.14
7	0.77	0.29	-0.09	0.75	1.08	1.18	0.57	0.43	1.28	1.58	1.39	1.14
8	1.39	1.32	0.18	0.18	0.98	1.01	0.58	0.43	1.17	1.73	1.30	1.23
9	1.50	1.22	0.55	0.27	0.79	0.88	0.60	0.53	1.36	1.72	1.25	1.22
10	1.56	1.35	0.91	0.68	0.60	0.85	0.49	0.63	1.57	1.67	1.35	0.99
11	1.20	0.50	0.83	0.35	1.00	0.67	0.07	0.77	1.55	1.75	1.63	1.54
12	0.91	0.45	1.07	0.24	0.91	0.20	-0.02	0.96	1.30	1.85	1.54	1.29
13	0.45	0.34	0.84	0.53	0.87	0.17	0.09	1.09	1.25	1.79	1.47	0.86
14	-0.03	0.25	1.69	0.60	0.97	0.29	0.27	1.05	1.30	1.56	1.49	1.14
15	-	0.01	0.74	0.39	1.21	0.42	0.44	0.80	1.21	1.38	1.53	1.23
16	-	0.14	0.55	0.14	1.40	0.45	0.53	0.49	1.20	1.36	1.51	1.49
17	-	0.27	0.18	0.34	1.45	0.70	0.52	0.15	1.25	1.27	1.39	1.48
18	-	0.29	0.59	0.17	1.50	0.71	0.55	0.09	1.34	1.18	1.28	1.17
19	-	0.34	0.57	0.36	1.35	0.65	0.35	0.15	1.68	1.52	1.30	1.35
20	-	0.42	1.16	1.07	1.45	0.72	0.05	0.39	1.98	1.88	1.45	1.25
21	-	0.51	0.62	0.26	1.44	0.65	0.17	0.56	1.77	1.73	1.39	1.17
22	-	0.75	-0.33	0.40	1.26	0.64	0.37	0.81	1.72	1.65	1.27	1.17
23	-	0.81	-0.52	0.70	1.15	0.75	0.18	0.85	1.51	1.71	1.50	1.79
24	-	0.80	-0.30	0.60	1.05	0.90	0.16	0.60	1.53	1.87	1.45	1.27
25	-	0.51	0.00	0.52	0.91	1.14	0.14	0.70	1.45	1.76	1.52	0.94
26	-	0.39	0.37	0.49	0.72	1.01	0.47	0.90	1.38	1.54	1.44	0.80
27	-	-0.30	0.53	0.58	0.85	0.79	0.50	1.00	1.37	1.47	1.17	1.05
28	-	0.09	0.55	0.45	1.05	0.46	0.62	0.89	1.29	1.38	1.57	1.03
29	-		0.27	0.40	1.00	0.65	0.50	1.14	1.25	1.25	1.85	1.05
30	-		0.18	0.59	1.02	0.70	0.60	1.36	1.40	1.09	2.18	0.94
31	-		0.21		1.07		0.57	1.66		1.30		1.18

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.82	0.49	0.25	0.51	1.05	0.82	0.37	0.66	1.40	1.52	1.49	1.22
MAX	1.56	1.35	1.69	1.25	1.50	1.53	0.64	1.66	1.98	1.88	2.18	2.03
MIN	-0.03	-0.30	-1.09	0.13	0.60	0.17	-0.02	0.09	0.96	1.09	1.17	0.80

DAILY STAGES FOR 1987
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.34	0.60	1.08	-0.05	-0.44	0.88	0.85	0.49	1.34	1.19	0.94	0.27
2	1.02	0.60	0.58	-0.05	-0.28	0.75	0.80	0.52	1.35	1.02	0.82	0.45
3	0.77	0.47	0.66	0.04	0.11	0.78	0.70	0.73	1.25	0.80	1.05	0.57
4	1.42	0.55	0.74	-0.01	0.46	0.90	0.62	0.77	1.15	0.90	1.58	0.47
5	0.98	1.24	0.76	-0.06	0.42	1.00	0.77	0.74	1.37	0.57	1.59	0.73
6	0.38	1.54	0.76	-0.15	0.28	1.04	0.98	0.61	1.35	0.39	1.57	0.90
7	0.26	1.37	1.30	-0.10	0.34	1.54	1.27	0.68	1.14	0.50	1.60	1.42
8	0.44	0.98	1.55	0.20	0.28	1.74	1.25	0.68	0.92	0.67	1.65	1.85
9	0.64	0.40	0.96	-0.14	0.33	1.75	1.13	0.72	0.56	0.93	1.88	1.83
10	0.81	0.41	0.62	-0.11	0.80	1.52	1.05	0.77	0.55	1.10	1.39	1.43
11	0.17	0.55	0.85	-0.18	1.10	1.47	0.97	0.31	0.88	1.15	0.90	1.00
12	-0.01	0.52	0.74	0.17	0.75	1.45	0.85	-0.24	0.98	0.90	0.85	0.89
13	-0.09	0.38	0.86	0.57	0.65	1.32	0.64	-0.33	0.87	0.69	0.70	1.10
14	0.25	0.58	0.62	1.03	0.35	1.10	0.40	0.18	0.85	0.80	0.90	1.57
15	0.90	0.82	0.80	0.26	-0.02	1.08	0.57	0.57	0.81	1.10	1.25	1.20
16	1.10	1.02	1.02	-0.35	0.30	1.03	0.76	0.74	0.81	1.00	1.72	0.53
17	1.27	0.72	1.40	-0.25	0.50	0.68	0.88	0.57	0.95	0.82	1.75	0.35
18	1.52	0.26	1.74	-0.19	0.67	0.61	1.00	0.51	0.98	0.63	1.49	0.45
19	0.51	0.27	1.65	-0.01	0.65	0.57	1.37	0.46	0.93	0.68	1.63	0.82
20	0.58	0.64	1.56	0.07	0.77	0.85	1.67	0.55	0.97	0.75	1.25	1.05
21	0.82	1.42	1.44	-0.06	0.85	0.90	2.16	0.45	1.15	0.93	0.98	1.15
22	1.15	1.80	1.18	-0.21	0.68	1.04	1.77	0.55	1.10	1.30	0.97	1.30
23	-0.37	0.84	1.38	-0.07	0.94	1.13	1.53	0.58	1.20	1.31	1.25	1.20
24	-0.29	0.94	1.80	-0.11	1.13	1.04	1.37	0.60	1.20	1.50	1.45	1.25
25	0.72	1.62	1.75	0.15	1.13	0.90	1.26	0.65	1.05	1.53	1.64	1.22
26	-0.10	1.78	1.84	0.17	1.29	0.69	1.15	0.91	1.10	1.40	1.70	1.10
27	-0.10	1.82	1.86	0.26	1.35	0.80	0.98	0.84	1.24	1.22	1.73	0.86
28	0.01	1.82	1.71	-0.36	1.36	0.98	0.73	0.85	1.31	1.15	1.65	0.36
29	0.32		1.64	-0.16	1.25	1.04	0.70	1.02	1.34	1.05	1.05	-0.75
30	0.35		1.66	-0.21	1.18	1.05	0.73	1.21	1.30	0.90	0.37	-0.15
31	0.36		0.40		1.01		0.80	1.25		0.91		0.39

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.55	0.93	1.19	0.00	0.65	1.05	1.02	0.61	1.07	0.96	1.31	0.86
MAX	1.52	1.82	1.86	1.03	1.36	1.75	2.16	1.25	1.37	1.53	1.88	1.85
MIN	-0.37	0.26	0.40	-0.36	-0.44	0.57	0.40	-0.33	0.55	0.39	0.37	-0.75

DAILY STAGES FOR 1988
 BAYOU BIENVENUE AT PARIS ROAD
 DAILY EIGHT A.M. STAGES IN FEET GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.75	1.05	0.20	1.89	1.57	0.95	-0.24	0.60	1.57	1.84	1.37	0.65
2	1.10	1.42	0.75	2.50	1.23	0.70	-0.15	0.79	2.10	1.87	1.19	0.13
3	1.35	1.08	1.38	2.46	1.05	0.31	-0.05	1.00	2.10	1.65	1.00	-0.20
4	1.08	0.88	1.05	1.82	0.67	0.26	0.51	1.28	2.12	1.50	1.24	-0.09
5	0.98	1.24	1.10	1.27	0.06	1.60	0.70	1.33	1.85	1.44	0.99	0.21
6	1.05	1.20	0.90	0.76	-0.06	1.85	1.28	1.34	1.84	1.48	-0.10	0.45
7	1.44	0.92	0.50	-0.06	-0.35	1.50	1.62	1.07	1.80	1.40	0.00	0.68
8	1.09	0.32	0.42	-0.20	-0.05	1.05	1.71	1.15	1.83	1.22	0.60	0.99
9	1.10	-0.05	0.53	0.03	0.24	0.62	1.70	1.55	2.20	0.97	0.69	1.26
10	0.85	-0.09	0.06	0.22	0.24	0.65	1.50	1.57	2.47	0.94	0.94	1.34
11	0.58	0.12	-0.31	0.03	0.23	0.93	1.11	1.28	1.92	0.85	1.08	1.69
12	0.17	-0.15	0.64	-2.70	0.73	0.85	0.78	1.05	1.80	0.85	1.44	1.83
13	0.23	-0.77	0.64	-0.43	0.79	1.20	0.66	1.30	1.70	1.22	1.45	1.26
14	0.43	-0.29	0.65	-0.39	0.51	1.24	0.51	1.23	1.59	1.53	1.49	0.67
15	0.35	0.58	-0.17	0.14	0.35	1.07	0.36	0.87	1.60	1.55	1.40	0.70
16	0.35	0.38	0.15	0.35	0.20	0.76	0.30	0.90	1.77	1.50	1.35	0.80
17	1.00	0.65	0.27	0.44	0.13	0.39	0.45	1.40	2.37	1.43	1.35	0.04
18	1.08	1.17	1.19	0.55	0.26	0.20	0.45	1.10	2.22	1.37	1.65	-0.30
19	1.32	1.95	0.05	0.07	0.17	0.39	0.41	1.03	1.87	1.23	1.65	-0.01
20	1.35	1.35	-0.49	0.45	0.20	0.65	0.50	1.00	1.60	1.27	1.50	0.60
21	1.07	0.53	-1.07	0.16	0.18	0.61	0.46	0.74	1.43	1.43	1.29	0.90
22	0.65	0.24	-0.69	0.23	0.34	0.75	0.30	0.82	1.20	1.15	1.54	0.95
23	0.09	0.25	-0.48	0.25	-0.64	0.95	0.42	0.76	1.01	1.13	1.40	1.00
24	0.10	0.55	0.37	0.30	-0.50	1.16	0.39	0.73	0.84	1.13	1.23	1.10
25	0.10	0.34	0.45	0.28	0.10	1.13	0.10	0.60	0.55	1.40	1.04	1.10
26	-1.25	-0.20	0.97	0.18	0.75	0.86	0.01	0.60	0.80	1.50	1.32	1.13
27	-0.60	-0.45	0.65	0.45	0.75	0.56	-0.11	0.70	1.27	1.51	1.40	1.15
28	-0.88	-0.34	0.55	0.85	0.72	0.40	0.04	0.96	1.46	1.52	1.09	1.26
29	-0.33	0.05	0.84	0.80	0.72	0.38	0.27	1.03	1.60	1.43	0.86	1.24
30	0.24		1.09	1.53	0.86	0.10	0.47	1.00	1.77	1.35	0.95	1.21
31	0.67		1.42		0.95		0.57	1.23		1.32		0.75

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.56	0.48	0.44	0.47	0.40	0.80	0.55	1.03	1.67	1.35	1.15	0.79
MAX	1.44	1.95	1.42	2.50	1.57	1.85	1.71	1.57	2.47	1.87	1.65	1.83
MIN	-1.25	-0.77	-1.07	-2.70	-0.64	0.10	-0.24	0.60	0.55	0.85	-0.10	-0.30

DAILY STAGES FOR 1989
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.74	0.70	0.60	0.65	1.46	1.16	1.19	1.56	1.01	1.50	1.06	0.87
2	0.74	0.59	1.15	0.85	0.89	1.11	0.93	1.29	0.85	1.54	1.18	0.70
3	0.66	0.80	1.30	0.85	0.65	1.10	0.76	0.99	1.30	1.27	1.20	0.45
4	0.66	0.89	1.48	0.90	0.84	0.80	0.65	0.64	1.54	1.34	1.21	0.44
5	0.71	1.07	1.41	0.74	0.75	0.80	0.32	0.48	2.33	1.36	1.24	-0.01
6	0.94	1.15	0.18	0.61	0.20	0.59	0.35	0.49	2.13	1.45	1.30	0.33
7	0.91	1.14	0.25	-0.37	0.24	0.67	0.47	0.66	1.91	1.50	1.47	0.63
8	1.10	0.94	0.23	-0.17	0.10	1.08	0.63	1.08	1.67	1.51	1.85	0.97
9	1.29	0.72	0.10	-0.01	0.06	0.57	0.89	1.27	1.50	1.67	1.45	0.02
10	1.48	0.30	-0.27	0.79	-0.55	0.91	1.11	1.05	1.37	1.77	1.00	0.19
11	1.60	-0.15	-0.35	0.96	0.40	0.86	1.06	1.12	1.38	1.63	0.94	0.45
12	1.49	-0.19	-0.60	0.84	0.35	0.67	0.89	1.25	1.39	1.62	1.01	0.86
13	0.91	0.24	-0.54	1.15	0.37	0.78	0.62	1.29	1.51	1.63	1.25	0.50
14	1.00	0.54	-0.13	0.85	0.52	0.74	0.34	1.29	1.52	2.15	1.52	0.37
15	0.56	0.81	0.25	0.96	0.59	0.56	0.24	1.18	1.38	2.05	1.61	0.60
16	0.46	0.83	0.68	0.77	0.71	0.70	0.11	1.04	1.33	1.98	1.16	0.77
17	0.49	0.79	0.92	0.70	0.96	0.71	0.00	0.94	1.55	1.89	1.02	1.07
18	0.65	0.84	0.95	0.74	1.33	0.83	0.26	0.84	1.71	1.82	0.99	1.37
19	0.89	1.09	0.67	0.66	1.44	0.64	0.38	0.88	1.76	1.13	1.18	1.50
20	1.20	1.17	0.75	0.36	0.94	0.46	-0.31	1.05	1.73	0.35	0.96	1.00
21	1.44	1.25	0.60	0.49	1.20	0.55	0.21	1.43	1.61	0.31	0.65	0.35
22	1.39	0.88	1.03	0.65	0.90	0.60	0.62	1.81	1.41	0.44	0.78	0.39
23	0.76	-0.45	1.43	0.46	0.45	0.87	1.08	1.65	1.16	0.62	0.52	-
24	0.70	-0.49	0.84	0.34	0.22	1.05	1.23	1.28	1.36	0.82	0.90	-
25	0.80	-0.75	0.53	0.25	0.00	1.16	1.62	1.10	1.89	0.78	1.08	-1.67
26	1.01	-0.67	0.60	0.21	0.10	1.15	1.71	1.04	1.75	0.86	1.11	-1.03
27	0.64	-0.49	0.60	0.12	-0.12	1.31	1.57	0.95	1.43	0.85	1.09	-0.40
28	0.86	-0.13	0.85	0.32	0.15	1.36	1.36	0.95	1.66	1.05	1.17	-0.10
29	1.12		0.97	0.55	0.62	1.28	1.20	1.06	2.05	0.98	1.21	0.48
30	0.71		0.75	0.92	0.90	1.37	1.04	1.10	2.04	1.09	1.15	0.78
31	0.59		0.45		1.14		1.09	1.05		1.00		1.05

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.92	0.48	0.57	0.57	0.57	0.88	0.76	1.09	1.57	1.29	1.14	0.45
MAX	1.60	1.25	1.48	1.15	1.46	1.37	1.71	1.81	2.33	2.15	1.85	1.50
MIN	0.46	-0.75	-0.60	-0.37	-0.55	0.46	-0.31	0.48	0.85	0.31	0.52	-1.67

DAILY STAGES FOR 1990
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.63	0.92	1.24	1.09	0.65	1.69	1.02	1.03	0.88	1.59	1.43	2.07
2	0.72	1.02	1.22	1.05	0.79	1.68	0.73	1.00	1.30	1.38	1.64	2.11
3	0.67	0.85	0.78	0.98	1.28	1.27	0.34	0.70	1.32	1.60	1.87	2.27
4	0.58	0.56	0.71	0.65	1.45	0.98	0.86	0.55	1.27	1.61	2.01	1.88
5	0.40	0.16	0.70	0.11	0.96	0.87	1.14	0.57	1.18	1.74	1.98	1.65
6	0.86	0.63	0.90	0.32	1.03	1.02	0.84	0.82	1.39	1.78	1.81	1.36
7	0.82	0.80	1.26	1.00	1.17	0.95	0.72	0.98	1.32	1.82	1.68	1.39
8	0.34	0.90	1.74	1.26	1.16	0.96	0.66	1.23	1.32	1.80	1.61	1.09
9	0.33	1.28	1.87	1.27	1.78	0.94	0.83	1.23	1.31	1.79	1.96	0.35
10	0.17	1.03	1.69	1.25	1.33	0.99	0.93	1.12	1.29	1.65	0.81	-0.10
11	0.24	0.87	1.67	1.04	1.37	0.87	0.73	1.18	1.35	1.29	0.72	0.05
12	0.34	0.53	1.73	0.90	1.52	0.85	0.89	1.35	1.41	1.12	0.63	0.41
13	0.57	0.58	1.62	0.70	1.31	0.86	0.98	1.30	1.67	0.85	0.52	0.63
14	0.34	0.84	1.69	0.81	1.87	1.15	1.00	1.32	1.68	0.99	0.92	0.72
15	0.57	1.35	2.00	0.66	1.41	0.99	0.91	1.32	1.56	0.95	1.32	0.77
16	0.60	1.12	2.03	0.55	1.19	0.87	1.03	1.29	1.17	1.02	1.52	0.91
17	0.65	1.15	1.58	0.45	0.93	0.73	1.15	1.27	1.21	1.30	1.52	0.95
18	0.63	1.26	1.02	0.49	1.03	0.64	1.28	1.25	1.38	1.58	1.61	1.15
19	0.70	1.56	0.60	0.55	1.37	0.72	1.22	1.09	1.35	1.68	1.61	1.19
20	0.80	1.42	0.38	1.35	1.16	0.71	1.29	1.10	1.39	1.79	1.62	1.48
21	0.78	1.65	0.23	1.40	0.97	0.65	1.27	1.23	1.43	1.77	1.72	1.45
22	0.50	2.05	0.23	1.00	0.99	0.53	1.32	1.13	1.34	2.03	1.77	1.47
23	0.27	1.37	0.41	1.12	1.11	0.57	1.20	0.94	1.34	1.73	1.77	1.40
24	0.30	0.75	0.68	1.06	1.14	0.47	0.88	0.41	1.42	1.59	1.68	0.40
25	0.60	0.51	1.02	1.30	1.18	0.49	0.87	0.57	1.27	1.25	1.59	0.70
26	-0.27	0.83	0.91	1.52	1.32	0.82	1.14	0.82	1.20	0.92	1.56	0.50
27	0.09	1.21	1.05	1.62	1.47	0.89	1.26	1.19	1.07	0.93	1.61	1.00
28	0.62	1.27	0.98	1.40	1.62	0.92	1.42	1.24	1.18	1.02	1.68	0.93
29	0.86		1.18	0.98	1.36	1.06	1.23	1.05	1.35	1.11	1.85	1.15
30	1.04		1.17	0.74	1.46	1.11	1.23	0.65	1.80	1.09	1.85	1.13
31	0.87		1.13		1.61		1.04	0.61		1.42		1.15

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	0.54	1.02	1.14	0.95	1.26	0.91	1.01	1.02	1.34	1.43	1.53	1.08
MAX	1.04	2.05	2.03	1.62	1.87	1.69	1.42	1.35	1.80	2.03	2.01	2.27
MIN	-0.27	0.16	0.23	0.11	0.65	0.47	0.34	0.41	0.88	0.85	0.52	-0.10

DAILY STAGES FOR 1991
BAYOU BIENVENUE AT PARIS ROAD

76020

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.27	1.70	1.38	0.37	2.28	1.40	1.11	1.18	1.93	1.94	2.05	1.36
2	1.23	1.39	1.62	-0.02	1.84	1.22	1.18	1.28	1.92	1.96	1.29	1.28
3	1.69	0.80	1.44	0.52	1.75	0.93	1.10	1.25	2.07	1.84	1.57	1.43
4	1.56	0.69	0.16	0.89	1.67	0.83	0.99	1.07	2.06	1.81	1.42	-
5	1.37	1.17	-0.13	1.03	1.66	0.74	0.84	0.94	1.98	1.68	1.50	0.39
6	1.34	1.07	-0.16	1.06	1.36	1.09	0.95	0.83	2.06	1.66	1.41	0.82
7	1.25	0.76	-0.08	1.12	1.73	2.22	1.14	-	1.81	1.90	1.48	0.87
8	0.82	0.52	0.44	1.35	2.28	2.38	1.38	-	1.54	1.72	1.50	0.98
9	0.77	0.27	0.86	1.32	2.28	2.37	1.06	-	1.63	1.70	1.15	1.09
10	1.59	0.09	0.50	1.14	2.19	2.33	0.80	-	2.03	1.61	1.04	1.05
11	2.08	0.24	-0.09	1.58	2.04	2.26	0.61	-	2.09	1.35	0.83	1.20
12	1.39	0.37	0.17	1.88	1.84	1.96	0.45	-	1.95	1.23	0.95	1.23
13	1.05	0.46	0.54	2.00	1.70	1.76	0.38	-	1.76	1.17	1.00	1.20
14	1.32	-0.65	1.10	2.30	1.53	1.53	0.69	-	1.63	1.30	1.22	0.85
15	1.32	-0.65	1.10	2.30	1.53	1.53	0.69	-	1.59	1.23	1.46	1.09
16	1.00	0.03	1.51	1.99	1.40	1.54	0.62	-	1.55	1.38	1.40	0.84
17	1.00	0.44	1.96	1.81	1.42	1.26	0.95	-	1.45	1.21	1.37	0.55
18	0.95	0.61	1.61	1.68	1.63	0.99	1.09	-	1.44	1.00	1.60	0.50
19	2.12	0.91	1.25	1.72	1.87	1.09	1.05	-	1.57	1.02	1.84	1.20
20	1.22	0.73	1.11	1.80	2.14	0.92	0.94	-	1.66	1.00	2.00	2.20
21	0.39	0.70	1.03	1.42	-	0.71	1.05	-	1.66	1.14	1.70	2.25
22	0.09	0.87	1.10	1.15	2.78	0.89	1.08	-	1.74	1.44	1.52	1.90
23	0.00	-0.10	0.87	1.21	2.94	0.81	0.95	-	1.72	1.78	1.35	1.74
24	1.33	0.21	0.74	1.44	3.03	0.87	0.82	-	1.63	2.01	0.59	1.38
25	1.58	0.36	0.70	1.99	2.72	0.86	0.64	-	1.40	2.26	0.58	1.21
26	1.26	0.54	0.80	2.38	2.53	0.85	0.70	-	1.40	2.36	0.65	1.07
27	0.99	0.51	1.02	2.47	2.19	0.98	0.51	-	1.47	2.40	0.92	1.35
28	1.50	0.68	0.91	2.19	1.96	1.01	0.60	1.38	1.57	2.34	1.05	1.57
29	1.65		1.01	2.11	1.88	1.05	0.70	1.44	1.92	2.24	1.14	0.78
30	2.10		0.60	-	1.72	1.03	0.74	1.53	1.97	2.21	1.29	0.79
31	1.78		0.84		1.61		1.10	1.81		2.15		0.83

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	1.24	0.57	0.82	1.51	1.98	1.32	0.86	1.27	1.74	1.68	1.30	1.17
MAX	2.12	1.70	1.96	2.47	3.03	2.38	1.38	1.81	2.09	2.40	2.05	2.25
MIN	0.00	-0.65	-0.16	-0.02	1.36	0.71	0.38	0.83	1.40	1.00	0.58	0.39

DAILY STAGES FOR 1992
BAYOU BIENVENUE AT PARIS ROAD

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1.06	0.93	0.28	0.38	0.66	1.14	1.10	0.46	1.66	2.30	1.55	0.71
2	1.24	1.00	0.35	0.72	0.47	1.19	0.94	0.74	1.61	2.35	1.53	0.99
3	1.18	1.35	0.80	0.87	0.34	1.56	0.85	0.73	1.56	2.33	1.55	1.15
4	0.83	1.68	1.14	0.49	0.35	1.02	0.59	0.86	1.51	2.31	1.90	1.28
5	0.83	2.12	1.71	0.32	0.38	0.93	0.50	0.90	1.59	2.00	1.70	1.15
6	0.96	1.71	2.46	1.21	0.57	1.03	0.32	0.85	1.71	1.78	1.15	1.53
7	1.15	1.42	1.74	1.29	0.71	1.23	0.43	0.78	1.66	1.93	1.25	1.56
8	1.46	0.81	1.23	1.00	0.36	1.39	0.45	0.89	1.60	1.85	1.42	1.40
9	1.70	0.92	1.19	0.89	-0.20	1.22	0.38	0.99	1.45	1.78	1.88	1.65
10	1.11	1.10	1.27	1.00	0.00	1.15	0.30	0.94	1.45	1.68	2.10	1.63
11	1.09	0.90	0.51	1.18	0.21	1.05	0.25	1.06	1.44	1.85	2.54	1.08
12	1.23	0.94	0.55	1.26	0.50	1.10	0.30	1.24	1.63	1.68	2.58	0.98
13	1.35	1.08	0.30	0.86	0.45	0.90	0.45	1.46	1.57	1.53	2.00	1.10
14	0.65	1.26	0.30	0.94	0.65	0.90	0.60	1.33	1.99	1.52	1.80	1.42
15	0.63	1.45	-0.05	1.16	0.72	0.85	0.47	1.31	2.24	1.75	1.33	1.90
16	0.61	1.54	0.54	1.39	0.93	0.87	0.44	1.33	2.30	1.87	1.38	1.70
17	0.64	2.32	1.17	1.61	1.24	0.98	0.82	1.40	2.35	1.83	1.54	1.83
18	1.02	1.96	1.12	1.82	1.25	0.99	0.86	1.46	2.12	1.88	1.84	1.61
19	2.32	1.72	0.72	2.18	1.15	0.66	1.03	1.34	1.88	1.78	1.73	1.58
20	1.86	1.42	-0.30	2.21	1.14	0.67	1.09	1.08	1.70	1.93	2.13	1.62
21	1.38	1.34	0.27	1.80	1.25	0.82	1.23	1.09	1.66	2.00	2.21	1.50
22	1.39	1.50	0.57	1.40	1.25	1.12	1.13	1.14	1.53	2.15	2.27	1.40
23	1.54	1.70	0.74	1.31	1.28	1.15	1.24	1.22	1.47	1.85	1.88	1.39
24	0.47	1.30	0.80	1.08	0.85	1.22	1.45	1.39	1.58	1.73	2.43	1.35
25	0.17	1.68	0.75	0.40	0.92	1.16	1.51	1.46	2.05	1.74	2.30	1.64
26	0.23	0.95	0.68	0.62	0.86	1.23	1.39	2.18	2.24	1.75	1.84	1.65
27	0.74	0.43	0.30	0.71	0.85	1.25	1.13	1.80	2.30	1.74	1.43	1.90
28	0.67	0.22	0.42	0.26	1.39	1.25	0.61	1.31	2.33	1.68	1.24	1.89
29	1.76	0.13	0.96	0.40	1.12	1.30	0.45	1.64	2.39	1.70	1.15	1.61
30	1.64		1.10	0.61	1.10	1.32	0.32	1.65	2.29	1.58	1.01	1.14
31	1.32		0.68		1.11		0.44	1.66		1.60		1.03

THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG	1.14	1.27	0.78	1.05	0.77	1.09	0.74	1.22	1.83	1.85	1.76	1.43
MAX	2.32	2.32	2.46	2.21	1.39	1.56	1.51	2.18	2.39	2.35	2.58	1.90
MIN	0.17	0.13	-0.30	0.26	-0.20	0.66	0.25	0.46	1.44	1.52	1.01	0.71

DAILY STAGES FOR 1993
BAYOU BIENVENUE AT PARIS ROAD

DAILY EIGHT A.M. STAGES IN FEET

GAGE ZERO IS FT NGVD

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0.77	-	-	-	-	-	-	-	-	-	-	-
2	0.96	-	-	-	-	-	-	-	-	-	-	-
3	1.14	-	-	-	-	-	-	-	-	-	-	-
4	1.90	-	-	-	-	-	-	-	-	-	-	-
5	1.70	-	-	-	-	-	-	-	-	-	-	-
6	1.61	-	-	-	-	-	-	-	-	-	-	-
7	1.54	-	-	-	-	-	-	-	-	-	-	-
8	1.75	-	-	-	-	-	-	-	-	-	-	-
9	1.70	-	-	-	-	-	-	-	-	-	-	-
10	1.86	-	-	-	-	-	-	-	-	-	-	-
11	2.70	-	-	-	-	-	-	-	-	-	-	-
12	2.15	-	-	-	-	-	-	-	-	-	-	-
13	1.35	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-

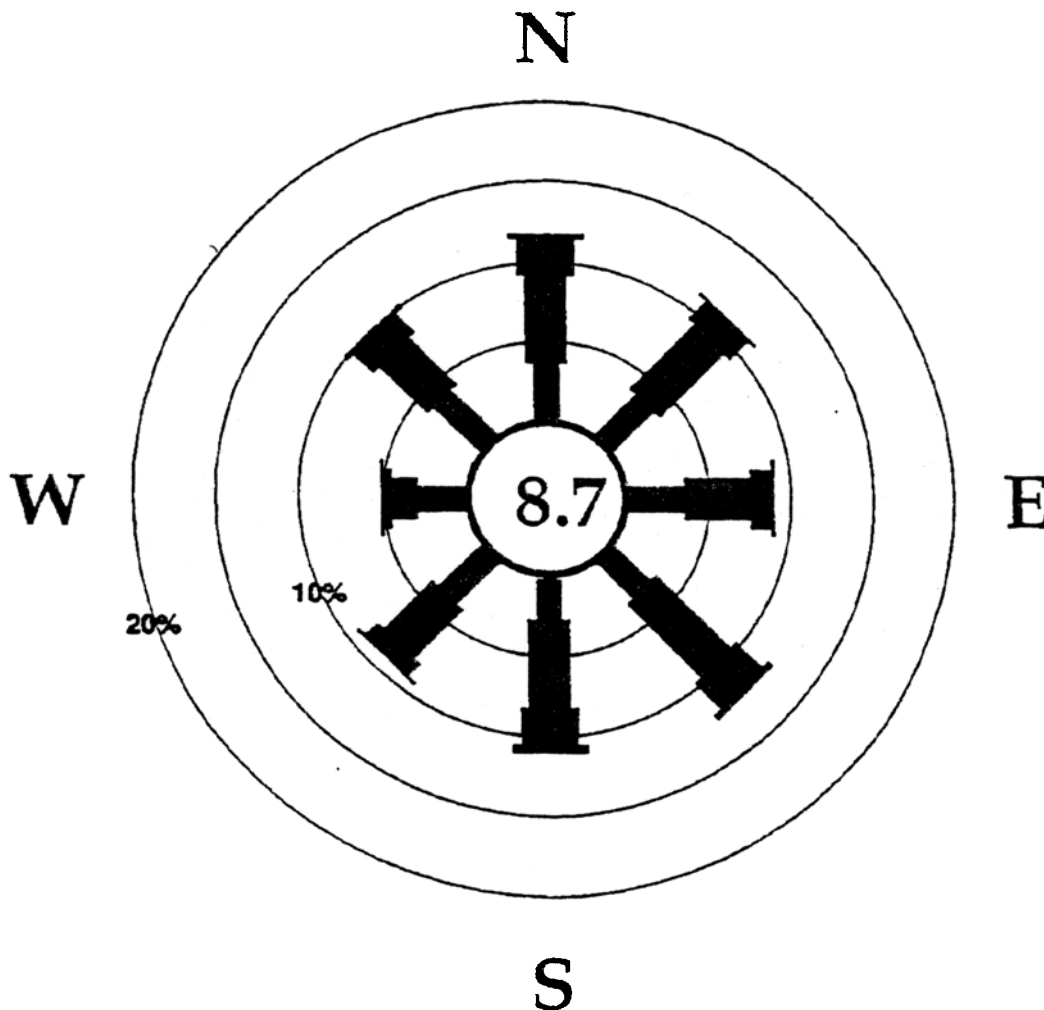
THE FOLLOWING REFER ONLY TO READINGS APPEARING IN THE TABLE ABOVE

AVG 1.63
MAX 2.70
MIN 0.77

APPENDIX D

NEW ORLEANS WSCN 88 2912
Annual Summary Wind Rose
1961-1980

Anemometer Ht.: 20.0 ft



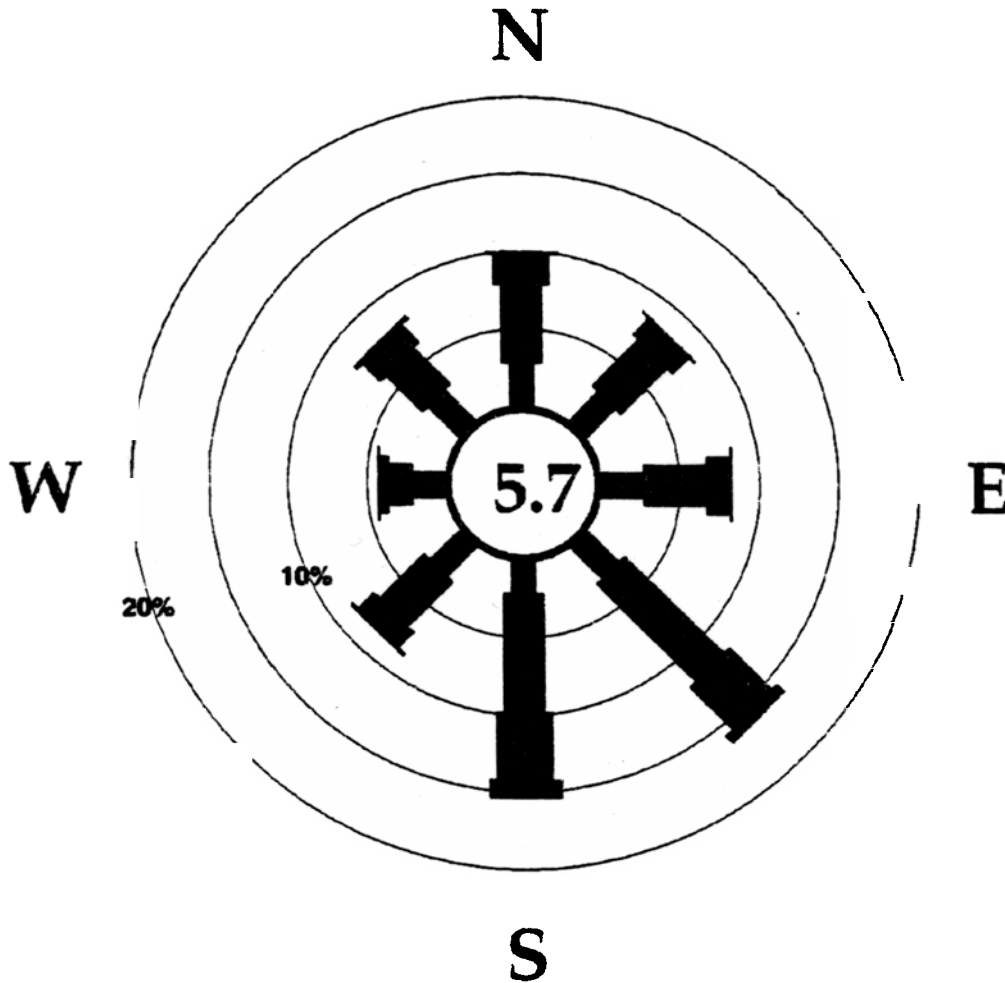
Windspeed Class Designations



1-5 knots 6-10 knots 11-15 knots > 15 knots

NEW ORLEANS WSCMO AP Spring Wind Rose 1961-1980

Anemometer Ht.: 20.0 ft



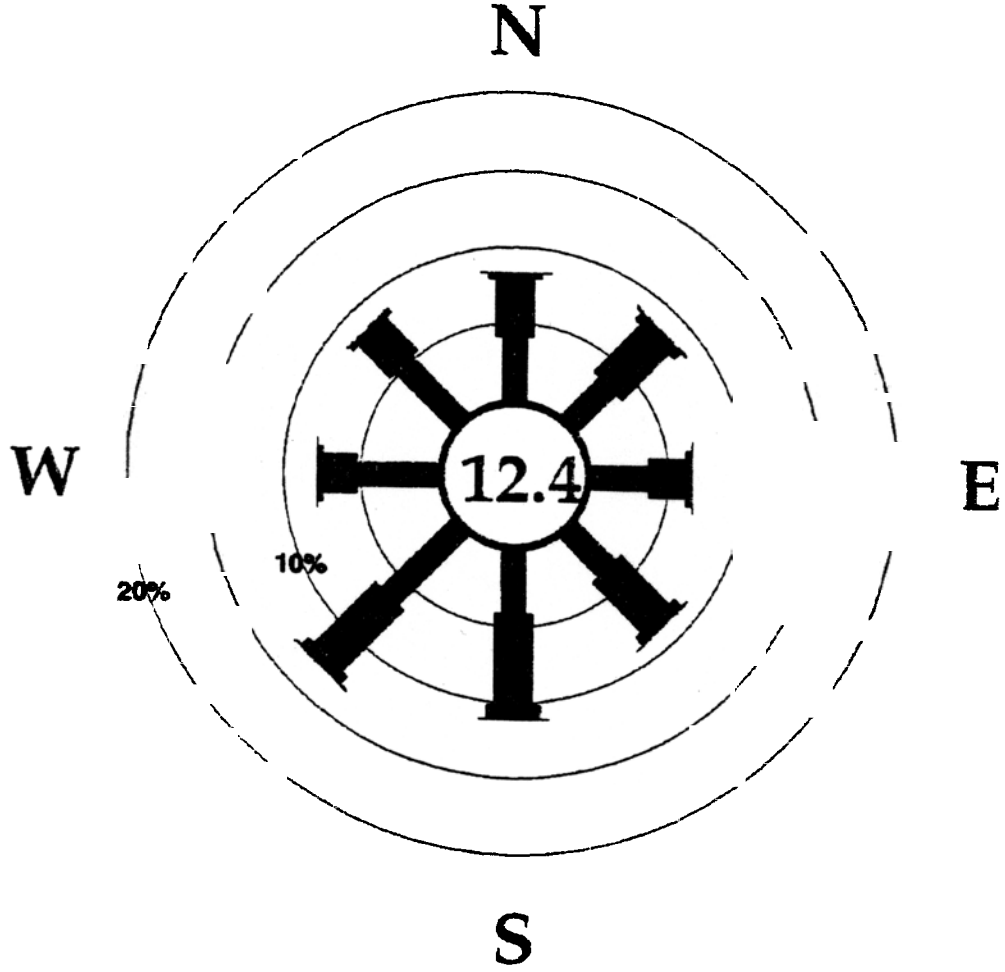
Windspeed Class Designations



1-5 knots 6-10 knots 11-15 knots > 15 knots

NEW ORLEANS WSCMO AP
Summer Wind Rose
1961-1980

Anemometer Ht.: 20.0 ft



Windspeed Class Designations

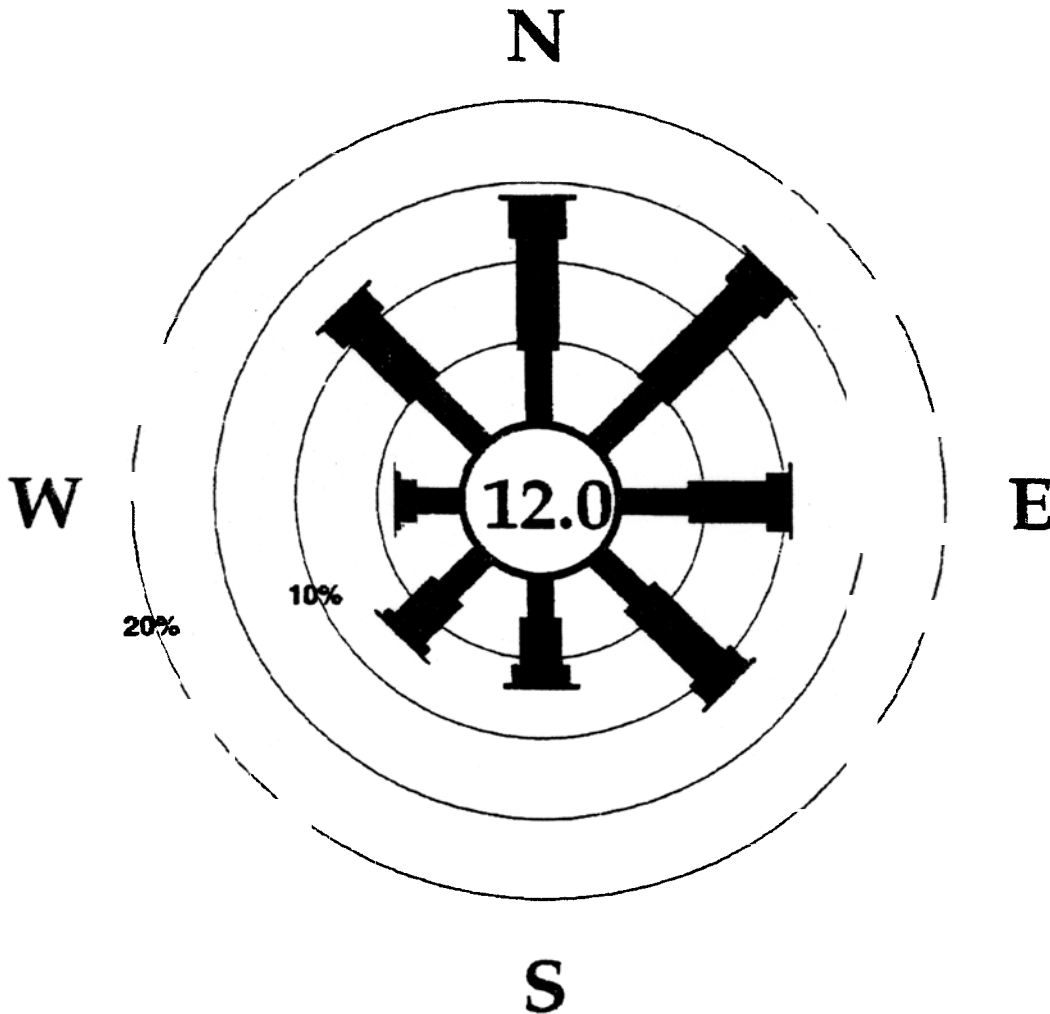


NEW ORLEANS WSCMO AP

Fall Wind Rose

1961-1980

Anemometer Ht.: 20.0 ft



Windspeed Class Designations



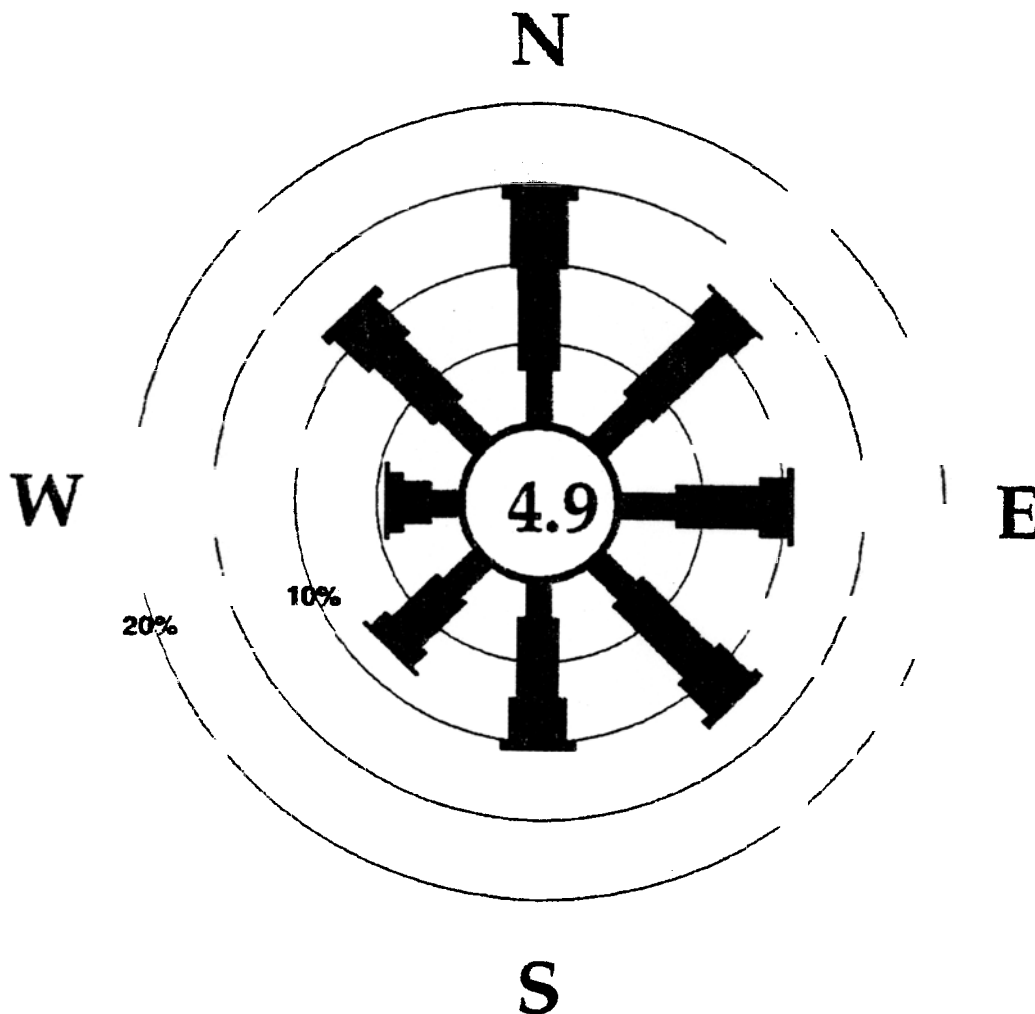
1-5 knots 6-10 knots 11-15 knots > 15 knots

NEW ORLEANS WSCMO AP

Winter Wind Rose

1961-1980

Anemometer Ht.: 20.0 ft



Windspeed Class Designations



1-5 knots 6-10 knots 11-15 knots > 15 knots

NORMALS, MEANS, AND EXTREMES

NEW ORLEANS, LA (MSY)

LATITUDE: 29° 59' 34" N **LONGITUDE:** 90° 15' 03" W **ELEVATION (FT):** GRND: 17 **BARO:** 17 **TIME ZONE:** CENTRAL (UTC + 5) **WBAN:** 12916

ELEMENT	POB	MONTHS												30-YEAR MEAN	RECORD MAX	RECORD MIN
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
TEMPERATURE °F																
NORMAL DAILY MAXIMUM	30	60.8	64.1	71.6	78.5	84.4	89.2	90.6	90.2	86.6	79.4	71.1				
MEAN DAILY MAXIMUM	53	61.9	65.1	71.2	78.3	84.9	89.4	90.8	90.5	86.9	79.6	70.6				
HIGHEST DAILY MAXIMUM	53	83	85	89	92	96	100	101	102	101	94	87				
YEAR OF OCCURRENCE		1982	1972	1982	1967	1953	1954	1981	1980	1980	1998	1997				
MEAN OF EXTREME MAXS.	52	77.3	75.3	82.6	86.5	91.3	94.6	95.7	95.6	93.1	88.6	83.2				
NORMAL DAILY MINIMUM	30	41.8	44.4	51.6	58.4	65.2	70.8	73.1	72.8	69.5	58.7	51.0				
MEAN DAILY MINIMUM	52	43.6	46.0	51.8	58.6	65.7	71.3	73.5	73.4	70.0	59.9	50.7				
LOWEST DAILY MINIMUM	53	14	16	25	32	41	50	60	60	42	35	24				
YEAR OF OCCURRENCE		1985	1996	1980	1971	1960	1984	1967	1968	1967	1993	1970				
MEAN OF EXTREME MINS.	52	26.3	29.9	35.6	43.5	53.8	63.5	69.2	68.2	59.9	44.2	34.7				
NORMAL DRY BULB	30	51.3	54.3	61.6	68.5	74.8	80.0	81.9	81.3	78.1	69.1	61.1				
MEAN DRY BULB	52	52.7	55.5	61.6	68.4	75.3	80.4	82.2	82.0	78.5	69.7	60.7				
MEAN WET BULB	16	48.9	52.1	56.7	62.3	69.8	74.5	76.0	76.0	72.6	64.4	57.3				
MEAN DEW POINT	16	44.4	47.4	52.1	57.9	66.3	72.0	73.8	73.6	69.7	60.6	53.2				
NORMAL NO. DAYS WITH:																
MAXIMUM ≥ 90°	30	0.0	0.0	0.0	0.2	3.1	14.4	20.4	19.8	8.9	0.9	0.0				
MAXIMUM ≤ 32°	30	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
MINIMUM ≤ 32°	30	6.2	3.5	0.6	*	0.0	0.0	0.0	0.0	0.0	0.0	0.8				
MINIMUM ≤ 0°	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
M/C																
NORMAL HEATING DEG. DAYS	30	450	316	162	28	0	0	0	0	0	30	178	349	1513		
NORMAL COOLING DEG. DAYS	30	25	17	56	133	304	450	524	512	353	157	61	23	2655		
RH																
NORMAL (PERCENT)	30	76	73	73	73	74	76	79	79	78	75	77	77	76		
HOUR 00 LST	30	81	80	81	84	85	87	88	88	86	84	85	83	84		
HOUR 06 LST	30	84	83	85	88	89	90	92	92	85	88	87	85	88		
HOUR 12 LST	30	66	63	61	59	60	64	66	67	65	59	63	65	63		
HOUR 18 LST	30	71	66	64	64	65	68	72	73	74	72	76	74	70		
S																
PERCENT POSSIBLE SUNSHINE	22	46	50	56	62	62	63	59	61	61	64	54	48	57		
W/O																
MEAN NO. DAYS WITH:																
HEAVY FOG (VISIBY ≤ 1/4 MI)	51	5.7	4.0	3.6	1.6	0.9	0.2	0.1	0.2	0.3	1.6	3.5	4.6	26.3		
THUNDERSTORMS	51	2.2	2.9	4.0	4.3	6.0	9.6	14.8	12.4	6.5	1.9	2.0	2.1	68.7		
CLOUDINESS																
MEAN:																
SUNRISE-SUNSET (OKTAS)	48	5.4	5.0	5.0	4.6	4.9	4.9	5.1	4.6	4.3	3.6	4.3	5.1	4.7		
MIDNIGHT-MIDNIGHT (OKTAS)	32	5.2	4.8	4.9	4.4	4.7	4.0	4.6	4.3	4.0	3.3	4.0	4.5	4.4		
MEAN NO. DAYS WITH:																
CLEAR	48	6.9	7.5	7.8	7.9	8.9	8.3	4.6	7.2	9.6	14.3	10.2	7.7	100.9		
PARTLY CLOUDY	48	7.1	6.4	8.0	10.4	11.2	12.5	14.6	13.8	10.6	7.5	8.2	7.4	118.1		
CLOUDY	48	16.9	14.3	15.2	11.7	10.9	9.2	11.8	10.0	9.8	8.9	11.5	15.9	146.1		
PR																
MEAN STATION PRESSURE (IN)	27	30.11	30.08	30.00	29.98	29.94	29.96	30.00	29.98	29.96	30.03	30.08	30.11	30.02		
MEAN SEA-LEVEL PRES. (IN)	16	30.15	30.10	30.05	30.00	29.98	30.01	30.04	30.00	29.99	30.05	30.11	30.15	30.05		
WINDS																
MEAN SPEED (MPH)	17	9.4	9.9	9.9	9.5	8.1			6.2	6.1	7.5	7.8	8.9	9.2		
PREVAIL. DIR (TENS OF DEGS)	21	36	36	16	16	18			23	06	04	06	06	36		
MAXIMUM 2-MINUTE:																
SPEED (MPH)	3	48	43	34	40	32			39	40	46	30	29	32		
DIR. (TENS OF DEGS)		27	21	34	31	27			24	02	02	01	21	02		
YEAR OF OCCURRENCE		1998	1998	1999	1997	1999			1998	1997	1998	1997	1997	1999		
MAXIMUM 5-SECOND:																
SPEED (MPH)	3	63	51	41	53	44			47	48	55	37	37	38		
DIR. (TENS OF DEGS)		33	21	33	21	26			24	04	01	01	20	02		
YEAR OF OCCURRENCE		1998	1998	1997	1997	1999			1998	1997	1998	1997	1997	1999		
SNOWFALL																
NORMAL (IN)	30	5.05	6.01	4.90	4.50	4.56	5.84	6.12	6.17	5.51	3.05	4.42	5.75	61.88		
MAXIMUM MONTHLY (IN)	53	19.28	12.59	19.09	16.12	21.18	15.01	13.15	16.12	18.98	13.20	15.81	10.77	21.18		
YEAR OF OCCURRENCE		1998	1983	1948	1980	1995	1987	1991	1977	1996	1985	1989	1967	MAY 1995		
MAXIMUM IN 24 HOURS (IN)	50	0.54	0.15	0.24	0.28	0.43	0.23	1.92	1.68	0.24	0.00	0.21	1.46	0.00		
YEAR OF OCCURRENCE		1968	1989	1955	1976	1998	1979	1981	1980	1953	1978	1949	1958	OCT 1978		
MAXIMUM SNOW DEPTH (IN)	48	6.08	5.60	7.87	8.08	12.40	7.40	4.43	4.96	6.50	4.51	12.66	6.81	12.66		
YEAR OF OCCURRENCE		1978	1961	1948	1988	1995	1988	1996	1992	1971	1985	1989	1990	NOV 1989		
NORMAL NO. DAYS WITH:																
SNOWFALL ≥ 1.0	30	10.3	8.9	8.8	6.7	7.1	10.9	14.3	13.5	10.9	5.5	7.9	9.9	114.3		
	10	1.5	2.0	1.7	1.2	1.1	2.0	1.7	1.6	1.9	1.0	1.3	1.3	19.4		

APPENDIX E



SCALE: 1" = 2000'



AERIAL LAYOUT SHOWING TERRACE ORIENTATION 2
 APPROXIMATELY 95,000 LINEAR FEET OF TERRACES SHOWN IN CELL "B"

BAYOU BIENVENUE
 PUMP STATION DIVERSION AND TERRACING
 CNR NO. 2003-08-2B
 PREPARED BY
 HARTMAN ENGINEERING INC.



AERIAL LAYOUT SHOWING TERRACE ORIENTATION 3
 APPROXIMATELY 41,000 LINEAR FEET OF TERRACES SHOWN IN CELL "B"

BAYOU BIENVENUE
 PUMP STATION DIVERSION AND TERRACING
 DNR No. 2003-00-38
 PREPARED BY
 HARTMAN ENGINEERING INC.



TERRACE PLAN
ORIENTATION 1
BAYOU BIENVENUE



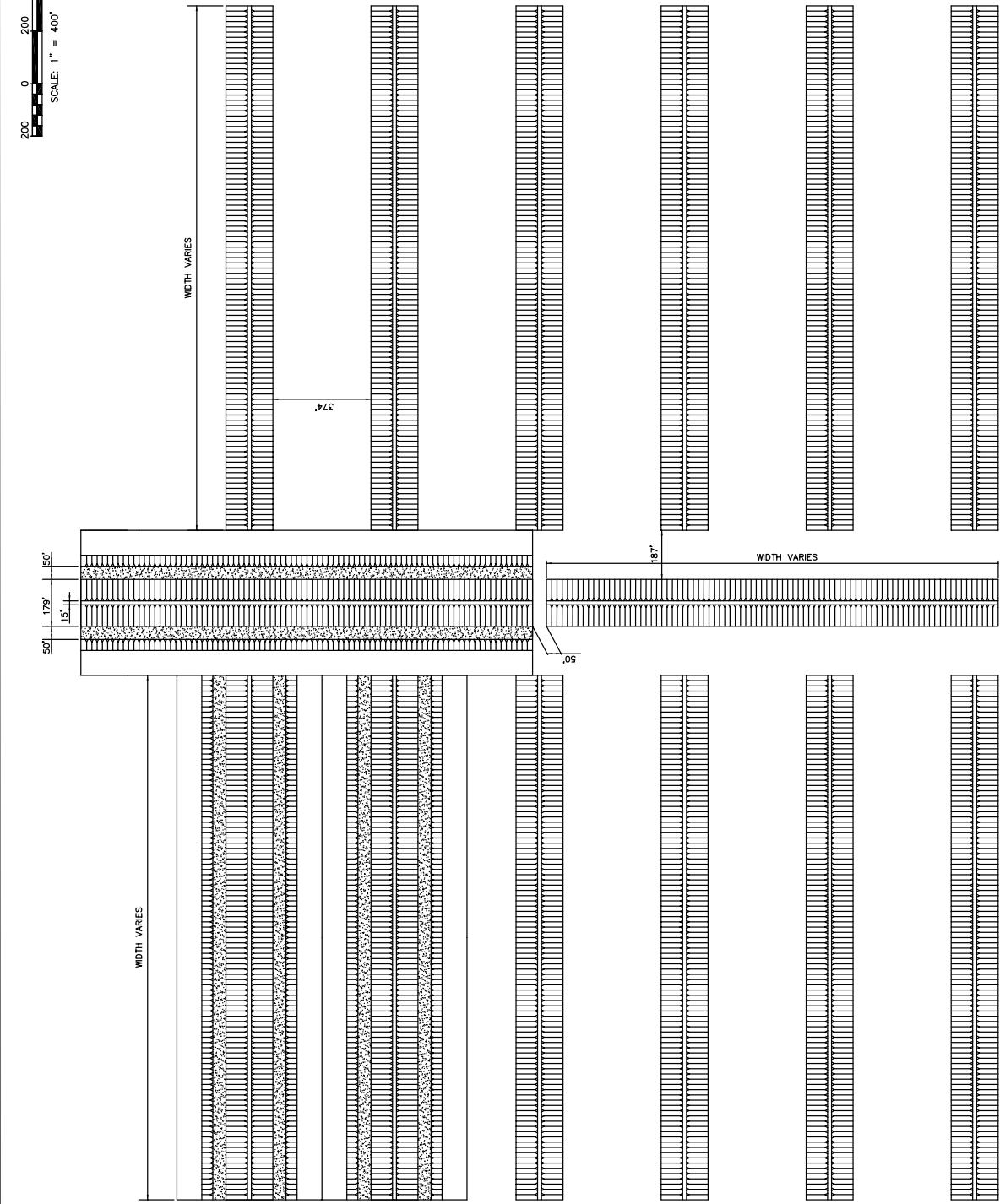
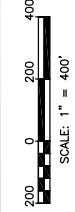
APPENDIX E

DESIGNED	JRS
CHECKED	DOS
DRAWN	JOB
PROJECT	(PO-25, XP0-74A)
DATE	APR. 2001
SHEET	4 OF 4

LEGEND

BERM

SIDESLOPE



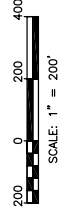




TERRACE PLAN
ORIENTATION 2
BAYOU BIENVENUE

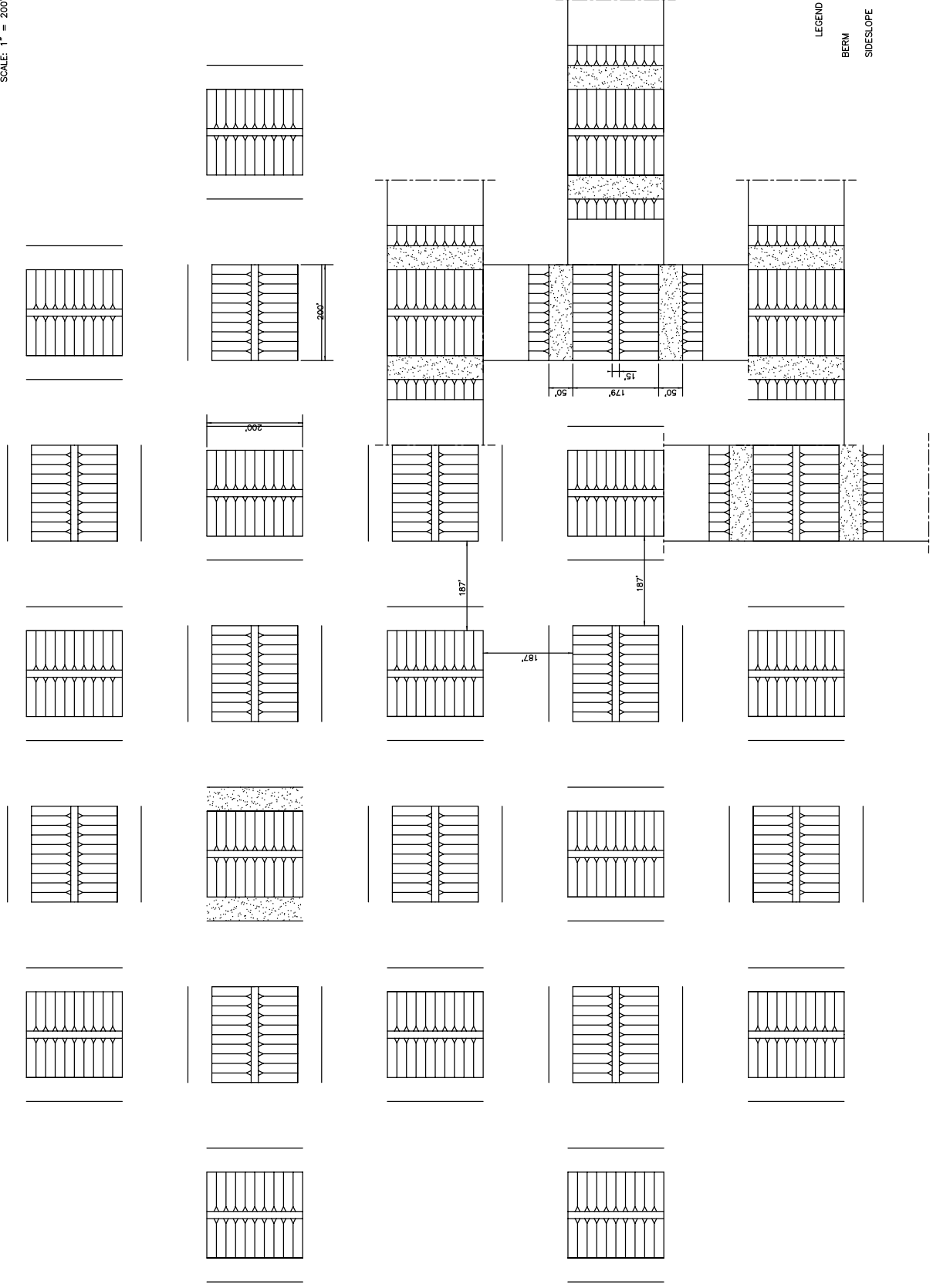


APPENDIX E

DATE	APR. 2001	SHEET	2 OF 4
DESIGNED BY	JRS	CHECKED BY	DCS
DRAWN BY	DCS	PROJECT	(P0-25, XPO-74A)
PARRISH	ORLEANS/ ST. BERNARD		



LEGEND
 BERM
 SIDESLOPE





TERRACE PLAN
ORIENTATION 3
BAYOU BIENVENUE



APPENDIX E

DATE	APR. 2001	SHEET	3 OF 4
DESIGNED BY	JRS	DRAWN BY	DCB
CHECKED BY	JRS	PROJECT	ORLEANS/ ST. BERNARD
DATE	APR. 2001	PROJECT	(PO-25, XP0-74A)

LEGEND
 BERM
 SIDESLOPE

