ANNEX 2 – HYDRAULIC ENGINEERING DATA

BAYOU SORREL LOCK FLOOD SIDE STATE DURATION (1956-1994)

STAGE	DURATION
0.00	100.00
0.09	99.99
0.33	99.95
0.50	99.90
0.69	99.80
0.93	99.50
1.10	99.00
1.27	98.00
1.54	95.00
1.87	90.00
2.15	85.00
2.41	80.00
2.98	70.00
3.69	60.00
4.53	50.00
5.46	40.00
6.38	30.00
7.28	20.00
7.80	15.00
8.47	10.00
9.47	5.00
10.70	2.00
11.50	1.00
13.60	0.50
16.90	0.20
17.50	0.10
18.00	0.05
18.10	0.01

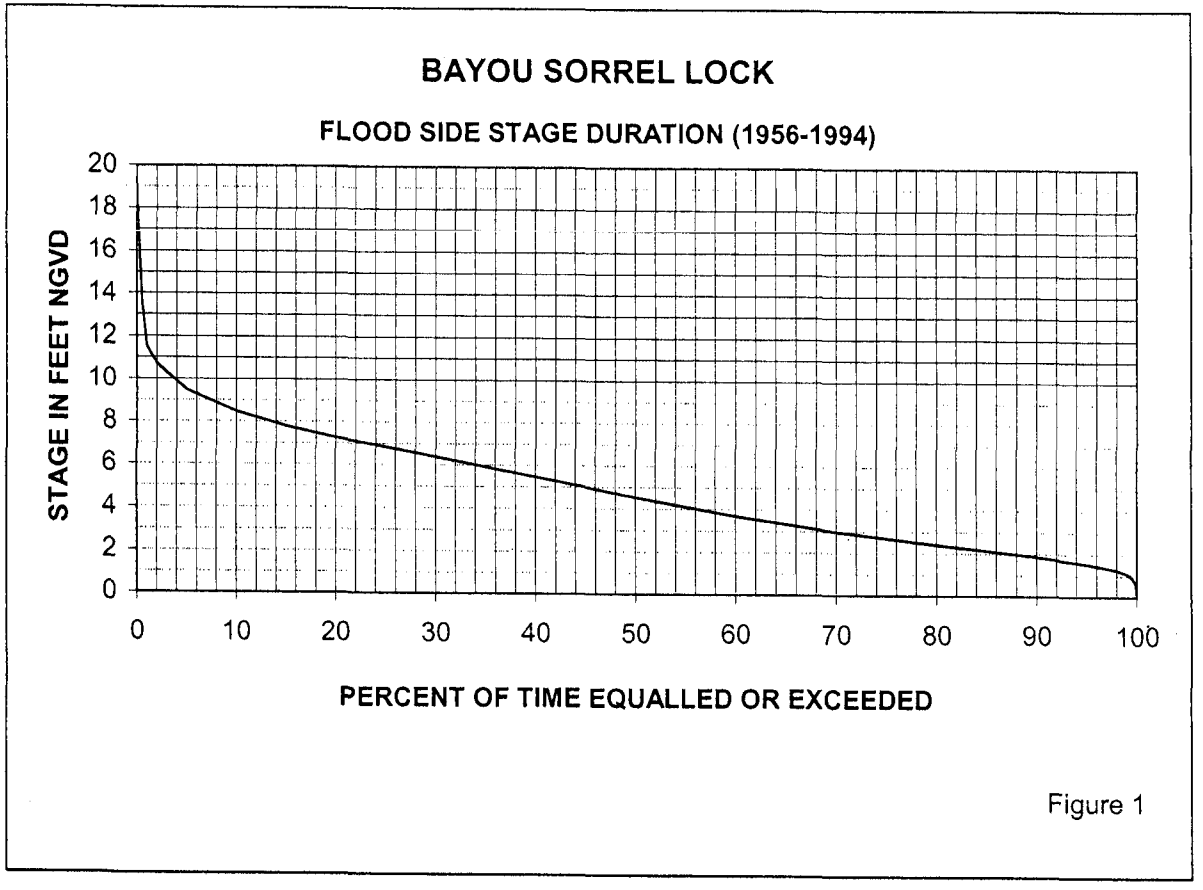

Figure 1

BAYOU SORREL LOCK PROTECTED SIDE STAGE DURATION (1956-1994)

STAGE	DURATION
0.10	100.00
0.22	99.99
0.43	99.95
0.51	99.90
0.60	99.80
0.80	99.50
1.00	99.00
1.16	98.00
1.40	95.00
1.58	90.00
1.74	85.00
1.88	80.00
2.09	70.00
2.31	60.00
2.55	50.00
2.81	40.00
3.13	30.00
3.76	20.00
4.19	15.00
4.70	10.00
5.48	5.00
6.18	2.00
6.63	1.00
7.09	0.50
7.45	0.20
7.65	0.10
7.80	0.05
7.90	0.01

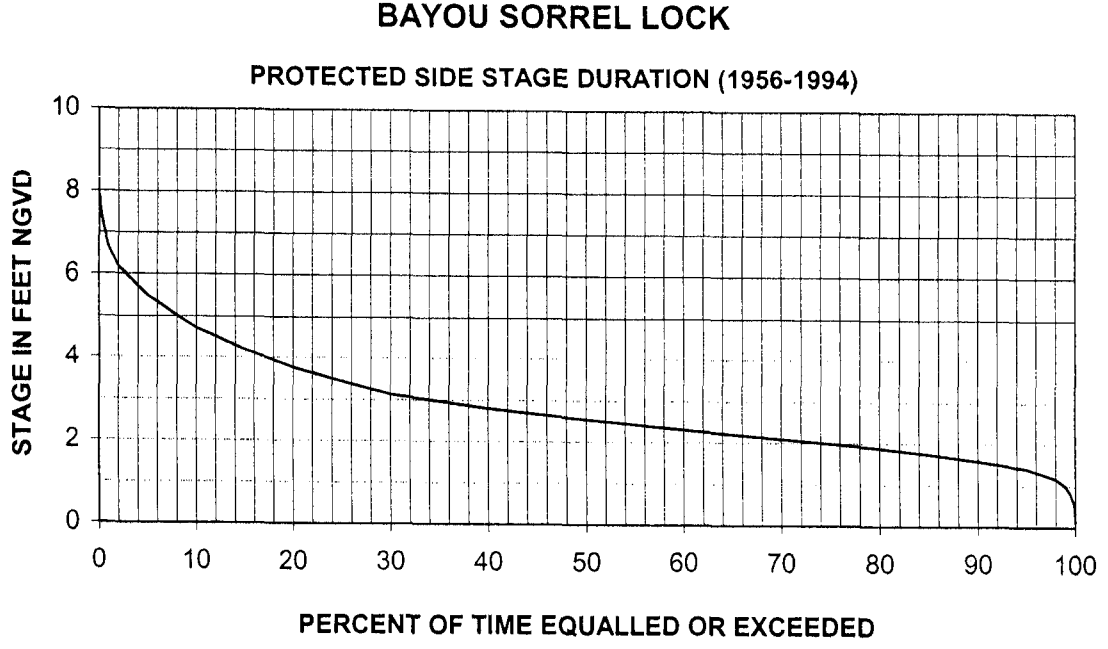

Figure 2

BAYOU SORREL LOCK DIFFERENTIAL HEAD DURATION (1956-1994)

HEAD	DURATION
-3.00	100.00
-2.75	99.99
-2.60	99.95
-2.51	99.90
-2.27	99.80
-1.77	99.50
-1.33	99.00
-0.85	98.00
-0.26	95.00
0.00	90.00
0.20	85.00
0.30	80.00
0.40	70.00
0.80	60.00
1.50	50.00
2.20	40.00
3.00	30.00
3.90	20.00
4.30	15.00
4.90	10.00
5.70	5.00
7.00	2.00
8.10	1.00
9.20	0.50
11.50	0.20
13.30	0.10
13.70	0.05
14.10	0.01

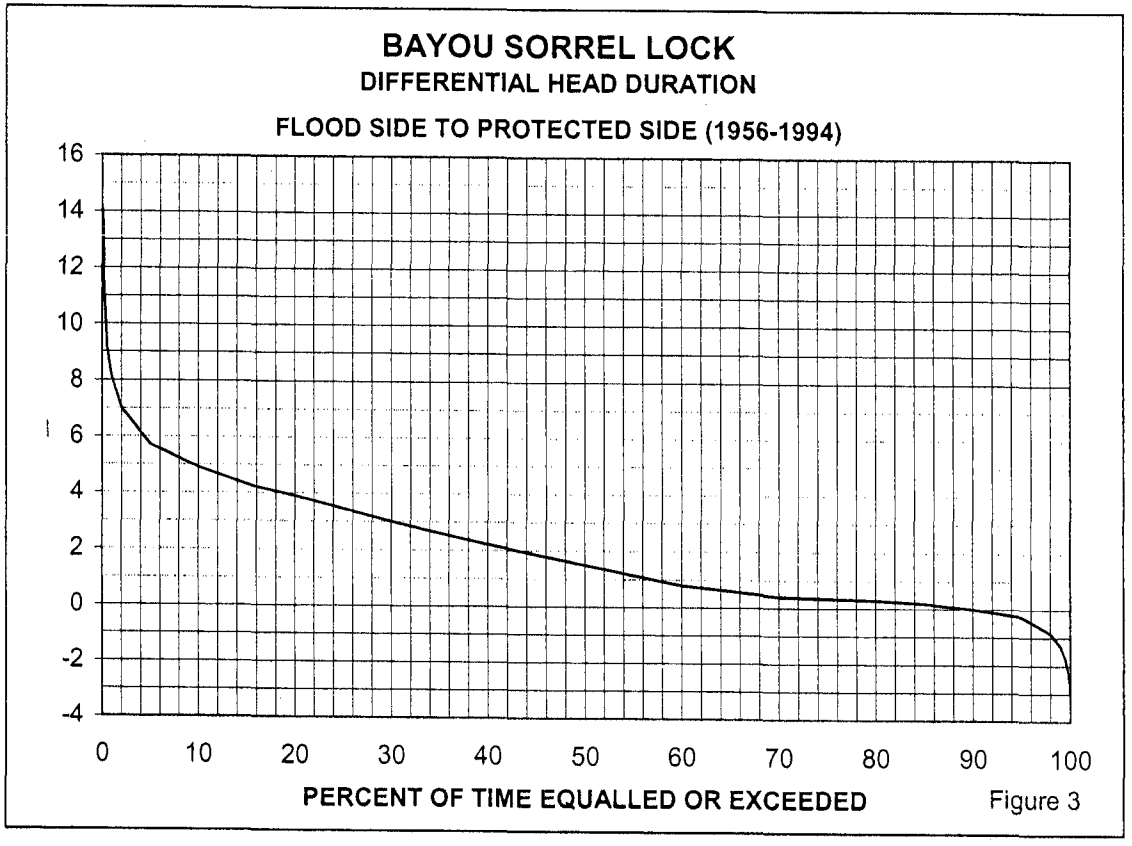

Figure 3

ALTERNATIVE IB-1, IIB-1

TIME (MIN.)	LIFT (FT)
0.8	1
2.0	2
3.0	3
3.6	4
4.5	5
6.1	6
7.4	7
8.8	8
11.1	9
12.7	10
14.8	11
15.4	12
16.9	13
18.3	14

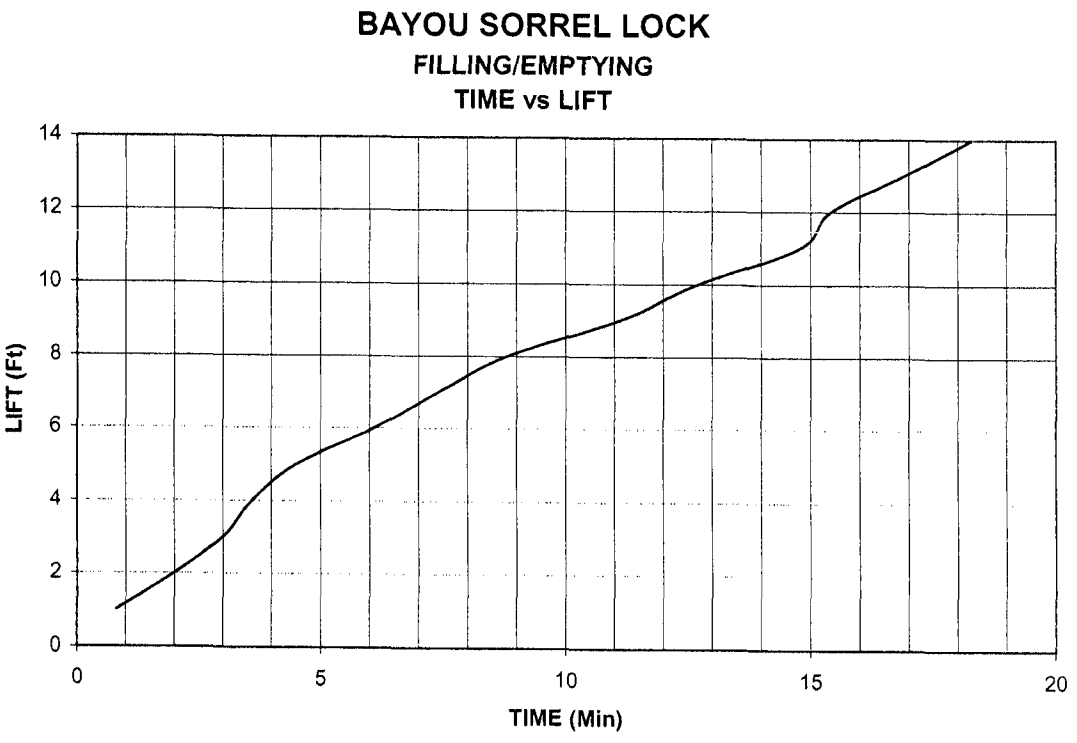

Figure 4