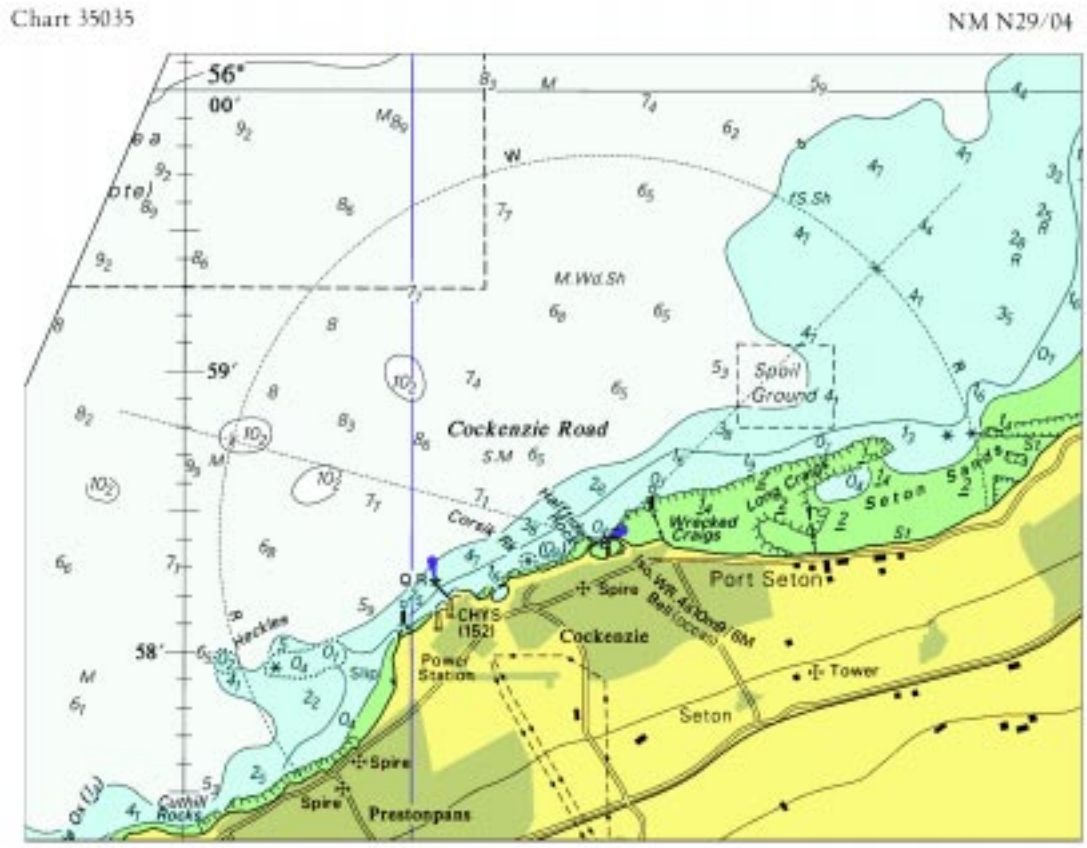
Chart 35035
NM N29/04
56°
00′
59′
58′
Cockenzie Road
Spoil Ground
Wrecked Craigs
Port Seton
Cockenzie
Power Station
Seton
Tower
Spire
Prestonpans
Cuthill Rocks

Chart 11470 NM 29/04

PORT EVERGLADES CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER BAR CUT (FROM SEA BUOY 2 TO EAST END OF SOUTH JETTY)	47.1	47.1	46.8	A32.5	2-04	500-450	1.0	45
BAR CUT (EAST END SOUTH JETTY TO TURNING BASIN, LT 9)	39.3	45.3	45.3	42.7	2-04	450	0.5	42

A. SHOALING TO 21.1 FEET AT 26°05'39.35"N, 80°06'16.86"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11477 NM N29/04

PORT CANAVERAL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004 AND SURVEYS TO JAN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (METERS)	LENGTH (NAUT. MILES)	DEPTH MLLW (METERS)
OUTER REACH	42.6	42.7	42.4	41.9	1-04	122	5.5	A13.4
MIDDLE REACH	42.7	42.7	40.0	29.9	1-04	122	0.9	A13.4
INNER REACH	37.8	41.6	40.9	37.8	4-03	122	0.8	A11.9

A. U.S. NAVY PROJECT - EXCEEDS CORPS OF ENGINEERS PROJECT DEPTH OF 11.3 METERS
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11478 NM 29/04

PORT CANAVERAL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004 AND SURVEYS TO JAN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER REACH	42.6	42.7	42.4	41.9	1-04	400	4.7	44
MIDDLE REACH	42.7	42.7	40.0	29.9	1-04	400	0.9	44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400	0.7	40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400	0.3	31

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11478 NM 29/04

PORT CANAVERAL CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2004 AND SURVEYS TO JAN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
OUTER REACH	42.6	42.7	42.4	41.9	1-04	400	4.7	44
MIDDLE REACH	42.7	42.7	40.0	29.9	1-04	400	0.9	44
INNER REACH	37.8	41.6	40.9	37.8	4-03	400	0.7	40
WEST ACCESS CHANNEL (EAST PORTION)	37.8	40.6	41.0	39.1	4-03	400	0.3	39
WEST ACCESS CHANNEL (WEST PORTION)	30.5	34.4	35.1	34.6	4-03	400	0.3	31

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11493 NM 29/04

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004
AND SURVEYS TO MAR 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.4	46.5	46.0	40.4	3-04	500	8.3	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42
RANGE F (WARRIOR REACH)	39.4	40.7	43.3	39.9	7-01	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	34.7	40.3	41.5	43.5	7-01	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	33.1	40.3	41.6	40.8	7-01	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	44.6	45.3	44.5	35.0	7-01	493-1425	0.46	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11494 NM N29/04

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004
AND SURVEYS TO MAR 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.4	46.5	46.0	40.4	3-04	500	8.3	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11503 NM 29/04

ST. MARYS ENTRANCE AND CUMBERLAND SOUND CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2004
AND SURVEYS TO MAR 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
ENTRANCE CHANNEL	45.4	46.5	46.0	40.4	3-04	500	8.3	46
RANGE A	45.0	47.6	47.4	43.2	7-01	482	1.34	42
RANGE A1, A2	46.2	43.3	44.5	40.0	7-01	591-834	0.66	42
RANGE B	47.1	47.2	46.5	44.8	7-01	582-655	0.55	42
RANGE C	37.2	45.2	46.3	42.8	7-01	498	1.19	42
RANGE D	36.3	43.7	42.6	35.3	7-01	489-498	1.35	42
RANGE E	41.9	41.7	42.0	36.8	7-01	512	0.87	42
RANGE F (WARRIOR REACH)	39.4	40.7	43.3	39.9	7-01	564-836	0.25	42
RANGE G (SOUTH TURNING BASIN)	34.7	40.3	41.5	43.5	7-01	661-1181	0.49	42
RANGE H (TENNESSEE REACH)	33.1	40.3	41.6	40.8	7-01	482-1197	0.83	42
RANGE I (NORTH TURNING BASIN)	44.6	45.3	44.5	35.0	7-01	493-1425	0.46	42

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11506 NM 29/04

BRUNSWICK HARBOR CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAY 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL							
(ST SIMON RANGE)	32.0	34.0	A31.0	10-03	500	7.7	32
PLANTATION CREEK RANGE	38.5	41.0	39.5	4-04	400	1.8	32
JEKYLL ISLAND RANGE	30.0	32.0	31.0	4-04	400	1.9	30
CEDAR HAMMOCK RANGE	30.5	31.0	28.0	4-04	400	1.4	30
BRUNSWICK PT CUT RANGE	28.0	28.0	29.0	4-04	400	2.4	30
EAST RIVER							
LOWER REACH	B28.0	31.0	27.0	4-04	400	1.1	30
UPPER REACH	27.0	27.5	25.0	4-04	350	1.0	27
EAST RIVER TURNING BASIN	27.0	27.0	27.0	4-04	750	0.2	30
TURTLE RIVER LOWER RANGE	34.0	30.0	30.0	4-04	300	1.7	30
BLYTHE ISLAND RANGE	30.0	26.5	26.0	4-04	300	1.5	30
TURTLE RIVER UPPER RANGE	28.0	28.0	26.0	4-04	300	1.7	30
SOUTH BRUNSWICK RIVER	30.0	30.0	32.0	4-04	400	1.3	30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.
B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 29.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 31.0 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.
NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11521 NM 29/04

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	43.9	48.1	48.0	41.3	3,4,5-04	1000	14.8	A47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6	A45

A. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11523 NM 29/04

CHARLESTON HARBOR ENTRANCE

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAY 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	43.9	48.1	48.0	41.3	3,4,5-04	1000	14.8	A47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6	A45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	600	1.4	45

A. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 11524 NM 29/04

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO MAY 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	43.9	48.1	48.0	41.3	3,4,5-04	1000	14.8	A47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6	A45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	600	1.4	45
SHUTES-FOLLY REACH	48.2	48.1	48.4	48.9	9-03	600-800	1.3	45
HORSE REACH	48.6	49.5	49.1	46.0	9-03	800	0.5	45
CUSTOMHOUSE REACH	47.1	49.2	48.8	47.3	9-03	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	B24.3	10-96	600-1000	3.1	45
HOG ISLAND REACH	46.5	46.9	45.2	42.6	9-03	600-1300	1.5	45
DRUM ISLAND REACH	41.0	44.9	47.3	40.1	4,5-02;3-04	600-1300	0.7	45
TOWN CREEK LOWER REACH	39.5	39.0	39.0	38.2	9-03	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	33.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	C40.9	40.5	11-01;5-02	250	1.0	16
MYERS BEND	42.0	46.6	47.9	47.3	11-01;3-04	600-900	0.4	45
DANIEL ISLAND REACH	45.8	47.4	46.7	40.9	3-04	880-980	1.2	45
DANIEL ISLAND BEND	48.6	48.9	49.2	48.5	3-04	700-780	0.4	45
CLOUTER CREEK REACH	46.8	47.1	45.8	45.6	3-04	600	0.9	45
NAVY YARD REACH	44.3	45.8	47.4	46.8	3-04	600-700	1.1	45
NORTH CHARLESTON REACH	46.8	47.0	47.6	47.4	3-04	500-600	1.0	45
FILBIN CREEK REACH	46.0	47.4	48.4	46.8	3-04	500	0.6	45
PORT TERMINAL REACH	41.6	44.7	47.8	46.5	3-04	600	0.7	45
ORDNANCE REACH	40.9	44.1	48.4	47.9	3-04	600	0.3	45
ORDNANCE REACH TURNING BASIN	47.7	47.6	47.0	47.2	3-04	800	0.26	45
WANDO RIVER								
LOWER REACH	44.0	47.1	47.2	39.2	4,5-02;3-04	1500-400	1.3	45
UPPER REACH	41.2	41.2	43.5	42.3	3-04	400-850	0.74	45
TURNING BASIN	44.4	44.2	46.8	46.1	3-04	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	25.3	27.5	28.8	25.8	3-04	1200-300	1.0	30
LOWER TURNING BASIN	44.3	45.1	46.0	43.8	3-04	700	0.2	38
UPPER TURNING BASIN	18.8	21.2	23.0	21.6	3-04	600	0.15	30
COOPER RIVER								
RANGE A	38.2	37.4	38.3	38.9	7,8-98;7-03;10-03	400-1350	1.02	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	0.74	35
RANGE C	20.6	D24.6	38.9	39.2	7,8-98;12-99;10,11,12-03	VARIES	0.76	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.29	35

A. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
B. ALONG CHANNEL EDGE.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 39 FEET, AT 32°48'45.3"N; 79°55'45.7"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 12313 NM 29/04

SCHUYLKILL RIVER CHANNEL DEPTHS

TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO MAR 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT SCHUYLKILL RIVER DATUM					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH (FEET)
1	31.6	32.2	34.6	7,10-03	400	0.32	33
2	32.4	32.2	32.5	10-03	400	0.34	33
3	33.0	33.0	32.4	10-03	400	0.18	33
4	32.9	32.2	32.2	10-03	400	0.11	33
5	32.7	32.5	32.1	10-03	300	0.30	33
6	32.8	32.7	32.2	11-03	325	0.21	33
7	32.1	32.0	31.0	11-03	300	0.31	33
8	32.3	31.6	31.5	11-03	300	0.15	33
9	31.5	30.7	29.5	11-03	300	0.31	33
10	32.7	34.4	32.3	12-03	325	0.09	33
11	32.8	32.7	34.3	12-03	350	0.05	33
12	33.3	32.6	32.9	12-03	350	0.05	33
13	33.0	32.4	32.1	12-03	325	0.07	33
14	32.1	32.5	32.4	12-03	300	0.14	33
15	32.4	32.4	33.3	12-03	325	0.08	33
16	31.2	32.3	32.6	12-03	350	0.08	33
17	31.3	32.2	28.9	12-03	325	0.06	33
18	21.0	26.1	28.3	12-03	300	0.45	33
19	19.1	30.8	26.8	12-03	200	0.08	33-26
20	22.5	32.8	23.1	03-04	250	0.05	26
21	28.0	20.2	16.6	03-04	250	0.04	26
22	25.5	19.6	13.5	03-04	250	0.06	26
23	24.2	14.1	7.1	03-04	200	0.21	26
24	29.5	23.2	14.5	11-02	250	0.06	26
25	28.6	19.2	11.7	11-02	250	0.09	26
26	28.0	17.0	10.4	11-02	250	0.09	26
27	24.8	17.1	11.0	11-02	225	0.12	26
28	20.0	14.4	12.1	11-02	200	0.10	26
29	14.0	14.4	12.4	4,11-02	200	0.23	26-22
30	14.1	15.3	16.8	4-02	200	0.30	22
31	23.8	18.3	16.3	4-02	200	0.10	22
32	20.7	17.8	14.3	4-02	200	0.26	22
33	24.5	12.5	10.7	4-02	200	0.10	22
34	20.4	18.1	13.7	4-02	250	0.07	22
35	23.9	17.1	12.8	4-02	250	0.08	22
36	23.1	16.4	13.4	4-02	250	0.08	22
37	20.8	22.5	19.6	4-02	250	0.06	22
38	14.5	14.7	16.4	4-02	225	0.13	22

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION