

**MEMPHIS DISTRICT**

**2007**

**LOW WATER REFERENCE PLANE**

**MISSISSIPPI RIVER**

LWRP TABULATED FOR EACH

ONE-TENTH RIVER MILE



U.S ARMY ENGINEER DISTRICT, MEMPHIS

OFFICE OF THE DISTRICT ENGINEER

MEMPHIS, TENNESSEE

8/28/2008

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
963.2	280.51	958.4	280.48	953.7	279.70
963.1	280.51	958.3	280.48	953.6	279.60
963.0	280.51	958.2	280.48	953.5	279.40
962.9	280.51	958.1	280.48	953.4	279.40
962.8	280.51	958.0	280.48	953.3	279.30
962.7	280.51	957.9	280.47	953.2	279.30
962.6	280.51	957.8	280.47	953.1	279.20
962.5	280.51	957.7	280.47	953.0	279.20
962.4	280.51	957.6	280.46	952.9	279.20
962.3	280.51	957.5	280.46	952.8	279.20
962.2	280.51	957.4	280.46	952.7	279.20
962.1	280.51	957.3	280.46	952.6	279.20
962.0	280.51	957.2	280.46	952.5	279.20
961.9	280.51	957.1	280.45	952.4	279.20
961.8	280.51	957.0	280.45	952.3	279.20
961.7	280.51	956.9	280.45	952.2	279.00
961.6	280.51	956.8	280.45	952.1	279.00
961.5	280.51	956.7	280.45	952.0	279.00
961.4	280.51	956.6	280.45	951.9	279.00
961.3	280.51	956.5	280.44	951.8	279.00
961.2	280.51	956.4	280.44	951.7	279.00
961.1	280.51	956.3	280.43	951.6	279.00
961.0	280.51	956.2	280.43	951.5	279.00
960.9	280.51	956.1	280.43	951.4	279.00
960.8	280.51	956.0	280.43	951.3	279.00
960.7	280.51	955.9	280.43	951.2	279.00
960.6	280.51	<b>955.8</b>	<b>280.43</b>	951.1	279.00
960.5	280.51	<b>CAIRO</b>	<b>[9.4]</b>	951.0	279.00
960.4	280.51	955.7	280.42	950.9	279.00
960.3	280.51	955.6	280.42	950.8	279.00
960.2	280.51	955.5	280.42	950.7	279.00
960.1	280.51	955.4	280.41	950.6	279.00
960.0	280.51	955.3	280.41	950.5	279.00
959.9	280.51	955.2	280.41	950.4	279.00
959.8	280.51	955.1	280.41	950.3	279.00
959.7	280.51	955.0	280.40	950.2	279.00
959.6	280.51	954.9	280.35	950.1	279.00
959.5	280.51	954.8	280.35	950.0	279.00
959.4	280.51	954.7	280.20	949.9	279.00
959.3	280.50	954.6	280.20	949.8	279.00
959.2	280.50	954.5	280.20	949.7	279.00
959.1	280.50	954.4	280.20	949.6	279.00
959.0	280.50	954.3	280.00	949.5	278.90
958.9	280.50	954.2	280.00	949.4	278.90
958.8	280.49	954.1	280.00	949.3	278.80
958.7	280.49	954.0	279.80	949.2	278.80
958.6	280.49	953.9	279.80	949.1	278.80
958.5	280.48	953.8	279.80	949.0	278.50

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
948.9	278.50	944.1	276.90	939.3	275.70
948.8	278.50	944.0	276.90	939.2	275.69
948.7	278.50	943.9	276.70	939.1	275.69
948.6	278.40	943.8	276.70	939.0	275.69
948.5	278.20	943.7	276.60	938.9	275.68
948.4	278.20	943.6	276.60	938.8	275.68
948.3	278.20	943.5	276.50	938.7	275.68
948.2	278.10	943.4	276.50	938.6	275.67
948.1	278.10	943.3	276.50	938.5	275.67
948.0	278.10	943.2	276.50	938.4	275.66
947.9	278.00	943.1	276.50	938.3	275.66
947.8	278.00	943.0	276.50	938.2	275.66
947.7	278.00	942.9	276.50	938.1	275.65
947.6	277.90	942.8	276.50	938.0	275.51
947.5	277.90	942.7	276.50	937.9	275.51
947.4	277.90	942.6	276.50	937.8	275.51
947.3	277.80	942.5	276.50	937.7	275.50
947.2	277.70	942.4	276.50	937.6	275.50
947.1	277.60	942.3	276.50	937.5	275.50
947.0	277.50	942.2	276.50	937.4	275.50
946.9	277.50	942.1	276.50	937.3	275.50
946.8	277.40	942.0	276.40	937.2	275.50
946.7	277.40	941.9	276.40	937.1	275.50
946.6	277.30	941.8	276.40	937.0	275.50
946.5	277.30	941.7	276.30	936.9	275.50
946.4	277.30	941.6	276.30	936.8	275.50
946.3	277.30	941.5	276.30	936.7	275.50
946.2	277.20	941.4	276.20	936.6	275.50
946.1	277.10	941.3	276.20	936.5	275.50
946.0	277.10	941.2	276.20	936.4	275.50
945.9	277.10	941.1	276.20	936.3	275.50
945.8	277.10	941.0	276.20	936.2	275.50
945.7	277.10	940.9	276.20	936.1	275.50
945.6	277.10	940.8	276.10	936.0	275.50
945.5	277.10	940.7	276.10	935.9	275.50
945.4	277.10	940.6	276.10	935.8	275.50
945.3	277.10	940.5	276.00	935.7	275.50
945.2	277.10	940.4	276.00	935.6	275.50
945.1	277.10	940.3	276.00	935.5	275.50
945.0	277.10	940.2	276.00	935.4	275.50
944.9	277.10	940.1	276.00	935.3	275.50
944.8	277.10	940.0	275.90	935.2	275.40
944.7	277.10	939.9	275.80	935.1	275.40
944.6	276.90	939.8	275.79	935.0	275.30
944.5	276.90	939.7	275.79	934.9	275.00
944.4	276.90	939.6	275.79	934.8	275.00
944.3	276.90	939.5	275.70	934.7	275.00
944.2	276.90	939.4	275.70	934.6	274.90

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
934.5	274.80	929.7	271.21	924.9	268.60
934.4	274.80	929.6	271.01	924.8	268.60
934.3	274.60	929.5	270.80	924.7	268.50
934.2	274.50	929.4	270.70	924.6	268.40
934.1	274.40	929.3	270.60	924.5	268.30
934.0	274.30	929.2	270.40	924.4	268.20
933.9	274.10	929.1	270.30	924.3	268.20
933.8	274.00	929.0	270.30	924.2	268.11
933.7	274.00	928.9	270.11	924.1	268.11
933.6	273.90	928.8	270.11	924.0	268.11
933.5	273.90	928.7	270.11	923.9	268.11
933.4	273.80	928.6	270.10	923.8	268.10
933.3	273.71	928.5	270.00	923.7	268.10
933.2	273.70	928.4	270.00	923.6	268.10
933.1	273.60	928.3	270.00	923.5	268.10
933.0	273.40	928.2	269.91	923.4	268.01
932.9	273.20	928.1	269.91	923.3	268.01
932.8	273.10	928.0	269.91	923.2	268.01
932.7	273.10	927.9	269.91	923.1	268.01
932.6	273.00	927.8	269.80	923.0	268.00
932.5	272.99	927.7	269.80	922.9	268.00
932.4	272.90	927.6	269.70	922.8	268.00
932.3	272.70	927.5	269.70	922.7	268.00
932.2	272.60	927.4	269.70	922.6	267.91
932.1	272.40	927.3	269.60	922.5	267.91
932.0	272.30	927.2	269.60	922.4	267.91
931.9	272.20	927.1	269.60	922.3	267.91
931.8	272.20	927.0	269.60	922.2	267.91
931.7	272.20	926.9	269.51	922.1	267.91
931.6	272.00	926.8	269.51	<b>922.0</b>	<b>267.91</b>
931.5	271.99	926.7	269.51	<b>HICKMAN</b>	<b>[3.5]</b>
931.4	271.80	926.6	269.40	921.9	267.90
931.3	271.70	926.5	269.40	921.8	267.90
931.2	271.60	926.4	269.40	921.7	267.90
931.1	271.60	926.3	269.30	921.6	267.90
931.0	271.50	926.2	269.20	921.5	267.90
930.9	271.41	926.1	269.20	921.4	267.90
930.8	271.41	926.0	269.20	921.3	267.90
930.7	271.41	925.9	269.10	921.2	267.90
930.6	271.40	925.8	269.01	921.1	267.80
930.5	271.40	925.7	269.00	921.0	267.80
930.4	271.40	925.6	269.00	920.9	267.80
930.3	271.40	925.5	268.90	920.8	267.70
930.2	271.40	925.4	268.90	920.7	267.60
930.1	271.39	925.3	268.90	920.6	267.40
930.0	271.30	925.2	268.80	920.5	267.20
929.9	271.30	925.1	268.70	920.4	267.20
929.8	271.30	925.0	268.69	920.3	267.20

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
920.2	267.20	915.4	266.60	910.6	264.10
920.1	267.20	915.3	266.50	910.5	264.00
920.0	267.20	915.2	266.50	910.4	264.00
919.9	267.20	915.1	266.50	910.3	264.00
919.8	267.20	915.0	266.40	910.2	264.00
919.7	267.20	914.9	266.20	910.1	264.00
919.6	267.20	914.8	266.10	910.0	264.00
919.5	267.20	914.7	266.10	909.9	264.00
919.4	267.20	914.6	266.10	909.8	264.00
919.3	267.19	914.5	266.10	909.7	264.00
919.2	267.19	914.4	266.00	909.6	263.99
919.1	267.10	914.3	265.90	909.5	263.99
919.0	267.00	914.2	265.90	909.4	263.99
918.9	267.00	914.1	265.60	909.3	263.95
918.8	266.90	914.0	265.60	909.2	263.91
918.7	266.90	913.9	265.60	909.1	263.91
918.6	266.90	913.8	265.60	909.0	263.91
918.5	266.90	913.7	265.50	908.9	263.90
918.4	266.90	913.6	265.50	908.8	263.90
918.3	266.90	913.5	265.30	908.7	263.90
918.2	266.90	913.4	265.30	908.6	263.86
918.1	266.90	913.3	265.20	908.5	263.86
918.0	266.90	913.2	265.20	908.4	263.86
917.9	266.90	913.1	265.19	908.3	263.86
917.8	266.90	913.0	265.10	908.2	263.86
917.7	266.90	912.9	264.90	908.1	263.80
917.6	266.90	912.8	264.80	908.0	263.80
917.5	266.90	912.7	264.80	907.9	263.80
917.4	266.90	912.6	264.70	907.8	263.80
917.3	266.90	912.5	264.70	907.7	263.80
917.2	266.90	912.4	264.70	907.6	263.80
917.1	266.90	912.3	264.60	907.5	263.80
917.0	266.87	912.2	264.40	907.4	263.70
916.9	266.80	912.1	264.30	907.3	263.70
916.8	266.80	912.0	264.30	907.2	263.70
916.7	266.80	911.9	264.20	907.1	263.70
916.6	266.80	911.8	264.20	907.0	263.70
916.5	266.80	911.7	264.20	906.9	263.60
916.4	266.80	911.6	264.20	906.8	263.60
916.3	266.80	911.5	264.20	906.7	263.60
916.2	266.80	911.4	264.20	906.6	263.40
916.1	266.80	911.3	264.20	906.5	263.40
916.0	266.80	911.2	264.20	906.4	263.40
915.9	266.80	911.1	264.20	906.3	263.20
915.8	266.80	911.0	264.20	906.2	263.20
915.7	266.70	910.9	264.10	906.1	263.10
915.6	266.70	910.8	264.10	906.0	263.10
915.5	266.60	910.7	264.10	905.9	263.00

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
905.8	263.00	901.1	260.50	896.3	256.70
<b>905.7</b>	<b>262.80</b>	901.0	260.30	896.2	256.70
<b>HW GAGE 173 [7.6]</b>		900.9	260.30	896.1	256.70
905.6	262.80	900.8	260.20	896.0	256.60
905.5	262.70	900.7	259.90	895.9	256.60
905.4	262.70	900.6	259.90	895.8	256.51
905.3	262.70	900.5	259.90	895.7	256.41
905.2	262.70	900.4	259.61	895.6	256.41
905.1	262.70	900.3	259.61	895.5	256.41
905.0	262.70	900.2	259.60	895.4	256.41
904.9	262.70	900.1	259.20	895.3	256.41
904.8	262.70	900.0	259.10	895.2	256.31
904.7	262.69	899.9	258.71	895.1	256.30
904.6	262.69	899.8	258.41	895.0	256.30
904.5	262.11	899.7	258.40	894.9	256.30
904.4	262.11	899.6	258.40	894.8	256.30
904.3	262.10	899.5	258.20	894.7	256.30
904.2	262.10	899.4	258.20	894.6	256.30
904.1	262.10	899.3	258.10	894.5	256.30
904.0	262.10	899.2	257.90	894.4	256.30
903.9	262.00	899.1	257.70	894.3	256.30
903.8	261.81	899.0	257.50	894.2	256.21
903.7	261.81	898.9	257.30	894.1	256.21
903.6	261.81	898.8	257.30	894.0	256.10
903.5	261.80	898.7	257.10	893.9	256.10
903.4	261.80	898.6	257.10	893.8	256.10
903.3	261.80	898.5	257.00	893.7	256.00
903.2	261.70	898.4	256.80	893.6	255.90
903.1	261.70	898.3	256.80	893.5	255.90
903.0	261.70	898.2	256.80	893.4	255.81
902.9	261.69	898.1	256.80	893.3	255.80
902.8	261.60	898.0	256.80	893.2	255.60
902.7	261.60	897.9	256.80	893.1	255.60
902.6	261.59	897.8	256.80	893.0	255.60
902.5	261.41	897.7	256.70	892.9	255.41
902.4	261.40	897.6	256.70	892.8	255.30
902.3	261.40	897.5	256.70	892.7	255.10
902.2	261.31	897.4	256.70	892.6	255.00
902.1	261.30	897.3	256.70	892.5	255.01
902.0	261.11	897.2	256.70	892.4	255.00
901.9	261.11	897.1	256.70	892.3	255.00
901.8	261.10	897.0	256.70	892.2	255.00
901.7	260.91	896.9	256.70	892.1	255.00
901.6	260.91	896.8	256.70	892.0	255.00
901.5	260.81	896.7	256.70	891.9	255.00
901.4	260.71	896.6	256.70	891.8	255.00
901.3	260.61	896.5	256.70	891.7	255.00
901.2	260.50	896.4	256.70	891.6	254.90

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
891.5	254.90	886.8	253.40	882.0	250.40
891.4	254.90	886.7	253.30	881.9	250.21
891.3	254.90	886.6	253.20	881.8	250.10
891.2	254.80	886.5	253.20	881.7	250.10
891.1	254.80	886.4	253.00	881.6	250.00
891.0	254.80	886.3	252.70	881.5	249.91
890.9	254.80	886.2	252.40	881.4	249.80
890.8	254.70	886.1	252.30	881.3	249.62
890.7	254.60	886.0	252.20	881.2	249.61
890.6	254.60	885.9	252.00	881.1	249.60
890.5	254.60	885.8	251.50	881.0	249.50
890.4	254.50	885.7	251.50	880.9	249.40
890.3	254.50	885.6	251.50	880.8	249.30
890.2	254.50	885.5	251.40	880.7	249.10
890.1	254.40	885.4	251.30	880.6	249.10
890.0	254.40	885.3	251.30	880.5	249.00
889.9	254.40	885.2	251.30	880.4	249.00
889.8	254.30	885.1	251.30	880.3	248.80
889.7	254.30	885.0	251.30	880.2	248.80
889.6	254.30	884.9	251.20	880.1	248.80
889.5	254.30	884.8	251.20	880.0	248.79
889.4	254.30	884.7	251.20	879.9	248.50
889.3	254.30	884.6	251.20	879.8	248.50
889.2	254.20	884.5	251.20	879.7	248.30
889.1	254.20	884.4	251.10	879.6	248.30
<b>889.0</b>	<b>254.20</b>	884.3	251.10	879.5	248.30
<b>NEW MADRID [-1.5]</b>		884.2	251.10	879.4	248.30
888.9	254.10	884.1	251.10	879.3	248.30
888.8	254.10	884.0	251.10	879.2	248.20
888.7	254.10	883.9	251.10	879.1	248.20
888.6	254.10	883.8	251.10	879.0	248.20
888.5	254.10	883.7	251.01	878.9	248.20
888.4	254.10	883.6	251.01	878.8	248.20
888.3	254.10	883.5	251.01	878.7	248.20
888.2	254.00	883.4	251.00	878.6	248.00
888.1	254.00	883.3	251.00	878.5	248.00
888.0	254.00	883.2	251.00	878.4	248.00
887.9	253.90	883.1	250.90	878.3	248.00
887.8	253.90	883.0	250.90	878.2	248.00
887.7	253.80	882.9	250.90	878.1	247.90
887.6	253.60	882.8	250.90	878.0	247.90
887.5	253.60	882.7	250.80	877.9	247.90
887.4	253.50	882.6	250.70	877.8	247.90
887.3	253.50	882.5	250.70	877.7	247.90
887.2	253.50	882.4	250.61	877.6	247.90
887.1	253.50	882.3	250.60	877.5	247.90
887.0	253.50	882.2	250.60	877.4	247.90
886.9	253.50	882.1	250.40	877.3	247.90

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
877.2	247.90	<b>872.4</b>	<b>246.30</b>	867.7	243.70
877.1	247.90	<b>LW GAGE 87.5 [0.9]</b>		867.6	243.60
877.0	247.81	872.3	246.20	867.5	243.51
876.9	247.81	872.2	246.20	867.4	243.51
876.8	247.81	872.1	246.20	867.3	243.41
876.7	247.81	872.0	246.20	867.2	243.40
876.6	247.81	871.9	246.20	867.1	243.30
876.5	247.81	871.8	246.10	867.0	243.30
876.4	247.81	871.7	246.10	866.9	243.20
876.3	247.81	871.6	246.10	866.8	243.00
876.2	247.81	871.5	246.10	866.7	243.00
876.1	247.80	871.4	246.10	866.6	242.91
876.0	247.80	871.3	246.10	866.5	242.91
875.9	247.80	871.2	246.10	866.4	242.91
875.8	247.80	871.1	246.10	866.3	242.80
875.7	247.80	871.0	246.10	866.2	242.80
875.6	247.80	870.9	246.10	866.1	242.80
875.5	247.80	870.8	246.00	866.0	242.80
875.4	247.71	870.7	245.80	865.9	242.80
875.3	247.71	870.6	245.80	865.8	242.80
875.2	247.71	870.5	245.80	865.7	242.70
875.1	247.71	870.4	245.80	865.6	242.70
875.0	247.71	870.3	245.80	865.5	242.70
874.9	247.71	870.2	245.80	865.4	242.70
874.8	247.70	870.1	245.80	865.3	242.70
874.7	247.70	870.0	245.80	865.2	242.50
874.6	247.70	869.9	245.60	865.1	242.40
874.5	247.70	869.8	245.60	865.0	242.30
874.4	247.70	869.7	245.60	864.9	242.30
874.3	247.69	869.6	245.50	864.8	242.30
874.2	247.69	869.5	245.30	864.7	242.10
874.1	247.60	869.4	245.30	864.6	242.10
874.0	247.59	869.3	245.20	864.5	242.01
873.9	247.50	869.2	245.10	864.4	241.91
873.8	247.50	869.1	245.00	864.3	241.91
873.7	247.41	869.0	244.90	864.2	241.91
873.6	247.40	868.9	244.60	864.1	241.90
873.5	247.40	868.8	244.50	864.0	241.90
873.4	247.20	868.7	244.40	863.9	241.80
873.3	247.20	868.6	244.20	863.8	241.80
873.2	247.10	868.5	244.20	863.7	241.80
873.1	247.10	868.4	244.00	863.6	241.80
873.0	247.09	868.3	243.90	863.5	241.80
872.9	247.09	868.2	243.90	863.4	241.80
872.8	246.90	868.1	243.81	863.3	241.80
872.7	246.80	868.0	243.81	863.2	241.80
872.6	246.60	867.9	243.70	863.1	241.79
872.5	246.40	867.8	243.70	863.0	241.79

NOTE: [ ] INDICATES LWRP READING ON THE GAGE



**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
862.9	241.79	858.1	239.90	853.3	239.60
862.8	241.79	858.0	239.90	853.2	239.50
862.7	241.79	857.9	239.90	853.1	239.50
862.6	241.79	857.8	239.90	853.0	239.50
862.5	241.79	857.7	239.90	852.9	239.50
862.4	241.79	857.6	239.90	852.8	239.40
862.3	241.79	857.5	239.90	852.7	239.40
862.2	241.78	857.4	239.90	852.6	239.40
862.1	241.70	857.3	239.90	852.5	239.20
862.0	241.70	857.2	239.90	852.4	239.20
861.9	241.70	857.1	239.90	852.3	239.20
861.8	241.70	857.0	239.90	852.2	239.20
861.7	241.70	856.9	239.90	852.1	239.00
861.6	241.70	856.8	239.90	852.0	239.00
861.5	241.69	856.7	239.90	851.9	239.00
861.4	241.60	856.6	239.90	851.8	239.00
861.3	241.60	856.5	239.90	851.7	239.00
861.2	241.60	856.4	239.90	851.6	239.00
861.1	241.60	856.3	239.90	851.5	239.00
861.0	241.60	856.2	239.80	851.4	239.00
860.9	241.51	856.1	239.80	851.3	239.00
860.8	241.50	856.0	239.80	851.2	239.00
860.7	241.50	855.9	239.80	851.1	239.00
860.6	241.50	855.8	239.80	851.0	238.90
860.5	241.50	855.7	239.80	850.9	238.90
860.4	241.50	855.6	239.80	850.8	238.90
860.3	241.30	855.5	239.80	850.7	238.90
860.2	241.30	855.4	239.80	850.6	238.90
860.1	241.30	855.3	239.80	850.5	238.90
860.0	241.10	855.2	239.80	850.4	238.90
859.9	241.09	855.1	239.80	850.3	238.90
859.8	241.00	855.0	239.80	850.2	238.90
859.7	241.00	854.9	239.80	850.1	238.60
859.6	241.00	854.8	239.80	850.0	238.40
859.5	241.00	854.7	239.80	849.9	238.40
859.4	241.00	854.6	239.80	849.8	238.40
859.3	241.00	854.5	239.80	849.7	238.40
859.2	241.00	854.4	239.80	849.6	238.40
859.1	240.90	854.3	239.80	849.5	238.40
859.0	240.90	854.2	239.80	849.4	238.40
858.9	240.60	854.1	239.80	849.3	238.40
858.8	240.60	854.0	239.80	849.2	238.40
858.7	240.60	853.9	239.80	849.1	238.40
858.6	240.50	853.8	239.80	849.0	238.39
858.5	240.40	853.7	239.70	848.9	238.39
858.4	239.90	853.6	239.70	848.8	238.30
858.3	239.90	853.5	239.70	848.7	238.20
858.2	239.90	853.4	239.60	848.6	238.20

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
848.5	238.00	843.8	236.70	839.0	230.80
848.4	238.00	843.7	236.50	838.9	230.80
848.3	237.91	843.6	236.30	838.8	230.70
848.2	237.90	843.5	236.30	838.7	230.60
848.1	237.90	843.4	236.10	838.6	230.50
848.0	237.90	843.3	235.90	838.5	230.50
847.9	237.90	843.2	235.80	838.4	230.50
847.8	237.90	843.1	235.80	838.3	230.50
847.7	237.90	843.0	235.80	838.2	230.50
847.6	237.90	842.9	235.70	838.1	230.50
847.5	237.89	842.8	235.60	838.0	230.40
847.4	237.89	842.7	235.50	837.9	230.40
847.3	237.89	842.6	234.90	837.8	230.40
847.2	237.89	842.5	234.90	837.7	230.30
847.1	237.89	842.4	234.70	837.6	230.30
847.0	237.89	842.3	234.50	837.5	230.20
846.9	237.88	842.2	234.40	837.4	230.20
846.8	237.88	842.1	234.40	837.3	230.10
846.7	237.88	842.0	234.40	837.2	230.10
846.6	237.80	841.9	234.20	837.1	230.10
846.5	237.80	841.8	234.20	837.0	230.00
<b>846.4</b>	<b>237.80</b>	841.7	234.00	836.9	230.00
<b>CARUTHERSVILLE [2.2]</b>		841.6	234.00	836.8	229.90
846.3	237.80	841.5	234.00	836.7	229.80
846.2	237.70	841.4	233.70	836.6	229.80
846.1	237.60	841.3	233.60	836.5	229.50
846.0	237.60	841.2	233.30	836.4	229.50
845.9	237.50	841.1	233.10	836.3	229.40
845.8	237.50	841.0	232.90	836.2	229.40
845.7	237.50	840.9	232.90	836.1	229.40
845.6	237.40	840.8	232.80	836.0	229.30
845.5	237.40	840.7	232.79	835.9	229.20
845.4	237.30	840.6	232.20	835.8	229.20
845.3	237.30	840.5	232.10	835.7	229.00
845.2	237.30	840.4	231.80	835.6	229.00
845.1	237.30	840.3	231.70	835.5	229.00
845.0	237.30	840.2	231.70	835.4	229.00
844.9	237.20	840.1	231.40	835.3	229.00
844.8	237.10	840.0	231.30	835.2	228.90
844.7	237.00	839.9	231.10	835.1	228.80
844.6	237.00	839.8	231.10	835.0	228.80
844.5	237.00	839.7	231.10	834.9	228.70
844.4	237.00	839.6	231.10	834.8	228.50
844.3	237.00	839.5	231.00	834.7	228.50
844.2	237.00	839.4	231.00	834.6	228.50
844.1	236.80	839.3	231.00	834.5	228.50
844.0	236.80	839.2	230.90	834.4	228.40
843.9	236.70	839.1	230.80	834.3	228.40

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
834.2	228.40	829.4	226.10	824.6	224.60
834.1	228.40	829.3	226.10	824.5	224.60
834.0	228.30	829.2	226.10	824.4	224.50
833.9	228.30	829.1	225.90	824.3	224.50
833.8	228.20	829.0	225.90	824.2	224.50
833.7	228.20	828.9	225.90	824.1	224.50
833.6	228.20	828.8	225.90	824.0	224.50
833.5	228.20	828.7	225.80	823.9	224.50
833.4	228.10	828.6	225.70	823.8	224.40
833.3	228.10	828.5	225.70	823.7	224.39
833.2	228.09	828.4	225.70	823.6	224.39
833.1	228.00	828.3	225.70	823.5	224.39
833.0	228.00	828.2	225.70	823.4	224.39
832.9	228.00	828.1	225.60	823.3	224.39
832.8	227.90	828.0	225.60	823.2	224.39
832.7	227.80	827.9	225.50	823.1	224.39
832.6	227.80	827.8	225.50	823.0	224.38
832.5	227.80	827.7	225.50	822.9	224.38
832.4	227.80	827.6	225.40	822.8	224.38
832.3	227.80	827.5	225.30	822.7	224.38
832.2	227.80	827.4	225.30	822.6	224.30
832.1	227.80	827.3	225.30	822.5	224.30
832.0	227.60	827.2	225.30	822.4	224.29
831.9	227.60	827.1	225.20	822.3	224.29
831.8	227.59	827.0	225.20	822.2	224.29
831.7	227.50	826.9	225.20	822.1	224.29
831.6	227.50	826.8	225.10	822.0	224.29
831.5	227.50	826.7	225.10	821.9	224.20
831.4	227.50	826.6	225.10	821.8	224.20
831.3	227.30	826.5	225.00	821.7	224.10
831.2	227.30	826.4	225.00	821.6	224.00
831.1	227.10	826.3	225.00	821.5	224.00
831.0	226.80	826.2	225.00	821.4	224.00
830.9	226.80	826.1	225.00	821.3	223.90
830.8	226.70	826.0	224.90	821.2	223.89
830.7	226.70	825.9	224.90	821.1	223.89
830.6	226.60	825.8	224.90	821.0	223.80
830.5	226.60	825.7	224.90	820.9	223.79
830.4	226.60	825.6	224.90	820.8	223.79
830.3	226.50	825.5	224.90	820.7	223.70
830.2	226.50	825.4	224.80	820.6	223.60
830.1	226.40	825.3	224.80	820.5	223.50
830.0	226.30	825.2	224.70	820.4	223.40
829.9	226.10	825.1	224.70	820.3	223.30
829.8	226.10	825.0	224.70	820.2	223.00
829.7	226.10	824.9	224.60	820.1	223.00
829.6	226.10	824.8	224.60	820.0	222.90
829.5	226.10	824.7	224.60	819.9	222.70

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
819.8	222.60	815.0	219.40	810.2	218.20
819.7	222.50	814.9	219.40	810.1	218.20
819.6	222.40	814.8	219.40	810.0	218.20
819.5	222.30	814.7	219.40	809.9	218.20
819.4	222.30	814.6	219.30	809.8	218.10
819.3	222.29	814.5	219.30	809.7	218.10
819.2	222.29	814.4	219.30	809.6	218.10
819.1	222.20	814.3	219.30	809.5	218.00
819.0	222.10	814.2	219.30	809.4	218.00
818.9	222.10	814.1	219.20	809.3	217.90
818.8	222.10	814.0	219.20	809.2	217.90
818.7	222.10	813.9	219.20	809.1	217.90
818.6	222.10	813.8	219.20	809.0	217.90
818.5	222.00	813.7	219.10	808.9	217.80
818.4	222.00	813.6	219.10	808.8	217.70
818.3	222.00	813.5	219.10	808.7	217.70
818.2	222.00	813.4	219.10	808.6	217.60
818.1	222.00	813.3	219.10	808.5	217.50
818.0	222.00	813.2	219.10	808.4	217.30
817.9	222.00	813.1	219.10	808.3	217.30
817.8	222.00	813.0	219.00	808.2	217.20
817.7	221.90	812.9	219.00	808.1	217.20
817.6	221.80	812.8	219.00	808.0	217.10
817.5	221.80	812.7	218.90	807.9	216.90
817.4	221.70	812.6	218.90	807.8	216.70
817.3	221.70	812.5	218.80	807.7	216.40
817.2	221.60	812.4	218.80	807.6	216.20
817.1	221.50	812.3	218.80	807.5	215.80
817.0	221.40	812.2	218.79	807.4	215.70
816.9	221.20	812.1	218.70	807.3	215.60
816.8	221.20	812.0	218.70	807.2	215.50
816.7	221.20	811.9	218.70	807.1	215.40
816.6	221.20	811.8	218.50	807.0	215.20
816.5	221.10	811.7	218.50	806.9	215.00
816.4	221.00	811.6	218.50	806.8	215.00
816.3	220.90	811.5	218.50	806.7	215.00
816.2	220.80	811.4	218.50	806.6	215.00
816.1	220.70	811.3	218.40	806.5	215.00
816.0	220.50	811.2	218.30	806.4	215.00
815.9	220.50	811.1	218.30	806.3	215.00
815.8	220.30	811.0	218.30	806.2	215.00
815.7	220.10	810.9	218.20	806.1	214.90
815.6	219.80	810.8	218.20	806.0	214.90
815.5	219.60	810.7	218.20	805.9	214.90
815.4	219.40	810.6	218.20	805.8	214.80
815.3	219.40	810.5	218.20	805.7	214.80
815.2	219.40	810.4	218.20	805.6	214.79
815.1	219.40	810.3	218.20	805.5	214.79

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
805.4	214.79	800.6	213.20	795.8	211.51
805.3	214.79	800.5	213.20	795.7	211.21
805.2	214.79	800.4	213.20	795.6	210.91
805.1	214.79	800.3	213.20	795.5	210.90
805.0	214.70	800.2	213.20	795.4	210.90
804.9	214.70	800.1	213.20	795.3	210.90
804.8	214.70	800.0	213.20	795.2	210.70
804.7	214.70	799.9	213.20	795.1	210.50
804.6	214.70	799.8	213.10	795.0	210.41
804.5	214.70	799.7	213.10	794.9	210.41
804.4	214.70	799.6	213.10	794.8	210.41
804.3	214.70	799.5	213.10	794.7	210.41
804.2	214.60	799.4	213.10	794.6	210.41
804.1	214.59	799.3	213.00	794.5	210.41
804.0	214.59	799.2	213.00	794.4	210.41
803.9	214.59	799.1	213.00	794.3	210.41
803.8	214.40	799.0	213.00	794.2	210.41
803.7	214.30	798.9	212.91	794.1	210.41
803.6	214.20	798.8	212.71	794.0	210.31
803.5	214.10	798.7	212.61	793.9	210.30
803.4	214.10	798.6	212.61	793.8	210.20
803.3	214.10	798.5	212.61	793.7	210.20
803.2	213.90	798.4	212.61	793.6	210.20
803.1	213.89	798.3	212.60	793.5	210.10
803.0	213.60	798.2	212.50	793.4	210.10
802.9	213.40	798.1	212.50	793.3	210.10
802.8	213.40	798.0	212.40	793.2	210.10
802.7	213.40	797.9	212.40	793.1	210.10
802.6	213.30	797.8	212.30	793.0	210.00
802.5	213.30	797.7	212.20	792.9	210.00
802.4	213.30	797.6	212.20	792.8	209.90
802.3	213.20	797.5	212.20	792.7	209.90
802.2	213.20	797.4	212.20	792.6	209.90
802.1	213.20	797.3	212.20	792.5	209.90
802.0	213.20	797.2	212.20	792.4	209.90
801.9	213.20	797.1	212.19	792.3	209.70
801.8	213.20	797.0	212.10	792.2	209.60
801.7	213.20	796.9	212.10	792.1	209.60
801.6	213.20	796.8	212.10	792.0	209.50
801.5	213.20	796.7	212.10	791.9	209.50
801.4	213.20	796.6	212.10	791.8	209.50
801.3	213.20	796.5	211.91	791.7	209.41
801.2	213.20	796.4	211.91	791.6	209.21
801.1	213.20	796.3	211.80	791.5	209.21
801.0	213.20	796.2	211.70	791.4	209.01
800.9	213.20	796.1	211.70	791.3	209.01
800.8	213.20	796.0	211.70	791.2	208.91
800.7	213.20	795.9	211.60	791.1	208.71

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
791.0	208.71	786.2	205.60	781.5	202.81
790.9	208.71	786.1	205.60	781.4	202.71
790.8	208.71	786.0	205.50	781.3	202.50
790.7	208.61	785.9	205.50	781.2	202.50
790.6	208.51	785.8	205.50	781.1	202.50
790.5	208.41	785.7	205.41	781.0	202.50
790.4	208.41	785.6	205.41	780.9	202.40
790.3	208.40	785.5	205.41	780.8	202.30
790.2	208.40	785.4	205.31	780.7	202.30
790.1	208.40	785.3	205.31	780.6	202.30
790.0	208.30	785.2	205.31	780.5	202.30
789.9	208.30	785.1	205.21	780.4	202.20
789.8	208.30	785.0	205.21	780.3	202.20
789.7	208.10	784.9	205.21	780.2	202.20
789.6	208.10	784.8	205.01	780.1	202.20
789.5	207.90	784.7	204.81	780.0	201.90
789.4	207.90	784.6	204.40	779.9	201.90
789.3	207.81	784.5	204.40	779.8	201.80
789.2	207.81	784.4	204.40	779.7	201.80
789.1	207.70	784.3	204.40	779.6	201.80
789.0	207.70	784.2	204.40	779.5	201.80
788.9	207.30	784.1	204.40	779.4	201.80
788.8	207.30	784.0	204.30	779.3	201.70
788.7	207.30	783.9	204.10	779.2	201.70
788.6	207.00	783.8	204.10	779.1	201.70
788.5	207.00	783.7	204.00	779.0	201.60
788.4	206.90	783.6	204.00	778.9	201.60
788.3	206.70	<b>783.5</b>	<b>204.00</b>	778.8	201.60
788.2	206.60	<b>HW GAGE 152 [-5.7]</b>		778.7	201.60
788.1	206.60	783.4	203.80	778.6	201.60
788.0	206.60	783.3	203.80	778.5	201.50
787.9	206.51	783.2	203.80	778.4	201.50
787.8	206.41	783.1	203.71	778.3	201.50
787.7	206.41	783.0	203.61	778.2	201.50
787.6	206.31	782.9	203.51	778.1	201.50
787.5	206.21	782.8	203.51	778.0	201.50
787.4	206.21	782.7	203.50	777.9	201.50
787.3	206.21	782.6	203.40	777.8	201.50
787.2	206.21	782.5	203.40	777.7	201.50
787.1	206.21	782.4	203.30	777.6	201.50
787.0	206.00	782.3	203.20	777.5	201.41
786.9	206.00	782.2	203.20	777.4	201.41
786.8	205.80	782.1	203.10	777.3	201.41
786.7	205.80	782.0	203.10	777.2	201.31
786.6	205.70	781.9	203.10	777.1	201.31
786.5	205.70	781.8	203.00	777.0	201.31
786.4	205.70	781.7	202.90	776.9	201.31
786.3	205.70	781.6	202.81	776.8	201.31

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
776.7	201.21	771.9	197.90	767.1	194.71
776.6	201.11	771.8	197.90	767.0	194.61
776.5	201.11	771.7	197.70	766.9	194.61
776.4	201.11	771.6	197.70	766.8	194.51
776.3	201.11	771.5	197.50	766.7	194.31
776.2	200.91	771.4	197.50	766.6	194.30
776.1	200.91	771.3	197.40	766.5	194.10
776.0	200.91	771.2	197.40	766.4	193.90
775.9	200.91	771.1	196.80	766.3	193.80
775.8	200.81	771.0	196.80	766.2	193.80
775.7	200.80	770.9	196.80	766.1	193.50
775.6	200.80	770.8	196.80	766.0	193.50
775.5	200.80	770.7	196.80	765.9	193.50
775.4	200.80	770.6	196.80	765.8	193.40
775.3	200.70	770.5	196.71	765.7	193.40
775.2	200.70	770.4	196.71	765.6	193.40
775.1	200.70	770.3	196.61	765.5	193.30
775.0	200.70	770.2	196.61	765.4	193.30
774.9	200.70	770.1	196.31	765.3	193.30
774.8	200.70	770.0	196.31	765.2	193.30
774.7	200.60	769.9	196.21	765.1	193.20
774.6	200.40	769.8	196.01	765.0	193.20
774.5	200.40	769.7	195.81	764.9	193.11
774.4	200.40	769.6	195.71	764.8	193.11
774.3	200.40	769.5	195.51	764.7	193.11
774.2	200.40	769.4	195.50	764.6	193.01
774.1	200.40	769.3	195.30	764.5	193.01
774.0	200.40	769.2	195.20	764.4	193.01
773.9	200.31	769.1	195.20	764.3	193.01
773.8	200.31	769.0	195.20	764.2	193.01
773.7	200.31	768.9	195.20	764.1	193.01
773.6	200.31	768.8	195.20	764.0	193.01
773.5	200.31	768.7	195.20	763.9	193.01
773.4	200.20	768.6	195.20	763.8	193.01
773.3	200.10	768.5	195.20	763.7	193.01
773.2	200.00	768.4	195.20	763.6	193.01
773.1	199.70	768.3	195.20	763.5	192.81
773.0	199.50	768.2	195.10	763.4	192.71
772.9	199.40	768.1	195.10	763.3	192.71
772.8	199.30	768.0	195.10	763.2	192.71
772.7	199.10	767.9	195.10	763.1	192.71
772.6	198.90	767.8	195.00	763.0	192.51
772.5	198.60	767.7	195.00	762.9	192.51
772.4	198.40	767.6	195.00	762.8	192.51
772.3	198.10	767.5	194.90	762.7	192.51
772.2	198.10	767.4	194.90	762.6	192.41
772.1	198.10	767.3	194.90	762.5	192.41
772.0	198.00	767.2	194.71	762.4	192.40

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
762.3	192.40	757.5	190.60	752.7	188.50
762.2	192.30	757.4	190.60	752.6	188.50
762.1	192.30	757.3	190.50	752.5	188.50
762.0	192.30	757.2	190.50	752.4	188.50
761.9	192.30	757.1	190.50	752.3	188.50
761.8	192.20	757.0	190.41	752.2	188.50
761.7	192.20	756.9	190.41	752.1	188.50
761.6	192.20	756.8	190.41	752.0	188.50
761.5	192.20	756.7	190.31	751.9	188.21
761.4	192.20	756.6	190.31	751.8	188.11
761.3	192.10	756.5	190.31	751.7	188.11
761.2	192.10	756.4	190.31	751.6	188.01
761.1	192.00	756.3	190.31	751.5	188.01
761.0	192.00	756.2	190.20	751.4	188.01
760.9	191.90	756.1	190.20	751.3	187.91
760.8	191.90	756.0	190.00	751.2	187.91
760.7	191.80	755.9	190.00	751.1	187.91
760.6	191.70	755.8	190.00	751.0	187.91
760.5	191.70	755.7	190.00	750.9	187.91
760.4	191.60	755.6	189.90	750.8	187.91
760.3	191.50	755.5	189.60	750.7	187.71
760.2	191.40	755.4	189.60	750.6	187.60
760.1	191.40	755.3	189.60	750.5	187.60
760.0	191.40	755.2	189.60	750.4	187.60
759.9	191.01	755.1	189.40	750.3	187.60
759.8	191.01	755.0	189.30	750.2	187.60
759.7	191.01	754.9	189.10	750.1	187.50
759.6	191.01	754.8	188.90	750.0	187.50
759.5	191.00	754.7	188.90	749.9	187.50
759.4	191.00	754.6	188.90	749.8	187.41
759.3	191.00	754.5	188.90	749.7	187.41
759.2	191.00	754.4	188.90	749.6	187.41
759.1	191.00	754.3	188.90	749.5	187.41
759.0	190.90	754.2	188.80	749.4	187.41
758.9	190.90	754.1	188.80	749.3	187.40
758.8	190.90	754.0	188.80	749.2	187.40
758.7	190.90	753.9	188.80	749.1	187.40
758.6	190.90	753.8	188.80	749.0	187.40
758.5	190.80	753.7	188.80	748.9	187.40
758.4	190.80	753.6	188.70	748.8	187.30
758.3	190.70	753.5	188.70	748.7	187.30
758.2	190.70	753.4	188.70	748.6	187.21
758.1	190.70	753.3	188.70	748.5	187.11
758.0	190.70	753.2	188.60	748.4	187.01
757.9	190.70	753.1	188.60	748.3	186.91
757.8	190.70	753.0	188.60	748.2	186.91
757.7	190.60	752.9	188.60	748.1	186.90
757.6	190.60	752.8	188.50	748.0	186.80



**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
747.9	186.70	743.1	182.61	738.3	178.90
747.8	186.70	743.0	182.61	738.2	178.90
747.7	186.50	742.9	182.41	738.1	178.80
747.6	186.40	742.8	182.40	738.0	178.80
747.5	186.20	742.7	182.30	737.9	178.70
747.4	186.20	742.6	182.20	737.8	178.60
747.3	186.10	742.5	182.10	737.7	178.60
747.2	186.10	742.4	182.10	737.6	178.60
747.1	185.90	742.3	182.00	737.5	178.60
747.0	185.80	742.2	181.90	737.4	178.60
746.9	185.80	742.1	181.81	737.3	178.51
746.8	185.80	742.0	181.71	737.2	178.51
746.7	185.70	741.9	181.51	737.1	178.21
746.6	185.50	741.8	181.41	737.0	178.21
746.5	185.50	741.7	181.40	736.9	178.21
746.4	185.40	741.6	181.30	736.8	178.21
746.3	185.30	741.5	181.10	736.7	178.11
746.2	185.30	741.4	181.10	736.6	177.91
746.1	185.30	741.3	181.00	736.5	177.81
746.0	185.30	741.2	180.80	736.4	177.71
745.9	185.20	741.1	180.70	736.3	177.71
745.8	185.10	741.0	180.70	736.2	177.41
745.7	185.10	740.9	180.61	736.1	177.30
745.6	185.00	740.8	180.61	736.0	177.20
745.5	184.90	740.7	180.41	735.9	177.10
745.4	184.80	740.6	180.30	735.8	177.10
745.3	184.80	740.5	180.20	735.7	177.10
745.2	184.60	740.4	180.20	735.6	177.10
745.1	184.60	740.3	180.20	735.5	177.10
745.0	184.30	740.2	180.10	735.4	177.10
744.9	184.20	740.1	180.00	735.3	177.10
744.8	184.10	740.0	180.00	735.2	177.00
744.7	184.00	739.9	179.80	735.1	177.00
744.6	183.80	739.8	179.80	735.0	176.91
744.5	183.70	739.7	179.80	734.9	176.91
744.4	183.40	739.6	179.70	734.8	176.90
744.3	183.30	739.5	179.60	734.7	176.90
744.2	183.10	739.4	179.50	734.6	176.80
744.1	183.10	739.3	179.50	734.5	176.80
744.0	183.10	739.2	179.40	<b>734.4</b>	<b>176.80</b>
743.9	183.10	739.1	179.10	<b>W. B. MEMPHIS [-7.2]</b>	
743.8	183.10	739.0	179.10	734.3	176.80
743.7	183.10	738.9	179.10	734.2	176.80
743.6	183.10	738.8	178.90	734.1	176.80
743.5	182.90	738.7	178.90	734.0	176.80
743.4	182.90	738.6	178.90	733.9	176.80
743.3	182.90	738.5	178.90	733.8	176.80
743.2	182.71	738.4	178.90	733.7	176.71

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
733.6	176.70	728.8	175.10	724.0	173.40
733.5	176.70	728.7	175.10	723.9	173.40
733.4	176.60	728.6	175.10	723.8	173.40
733.3	176.50	728.5	175.10	723.7	173.31
733.2	176.40	728.4	175.10	723.6	173.30
733.1	176.20	728.3	175.10	723.5	173.30
733.0	176.11	728.2	175.10	723.4	173.30
732.9	176.01	728.1	175.00	723.3	173.30
732.8	176.01	728.0	175.00	723.2	173.30
732.7	175.91	727.9	175.00	723.1	173.30
732.6	175.91	727.8	174.99	723.0	173.20
732.5	175.90	727.7	174.99	722.9	173.20
732.4	175.90	727.6	174.99	722.8	173.20
732.3	175.80	727.5	174.99	722.7	173.20
732.2	175.80	727.4	174.99	722.6	173.20
732.1	175.80	727.3	174.99	722.5	173.10
732.0	175.80	727.2	174.99	722.4	173.10
731.9	175.80	727.1	174.99	722.3	173.00
731.8	175.80	727.0	174.99	722.2	173.00
731.7	175.70	726.9	174.99	722.1	173.00
731.6	175.60	726.8	174.99	722.0	173.00
731.5	175.60	726.7	174.99	721.9	172.80
731.4	175.60	726.6	174.99	721.8	172.80
731.3	175.60	726.5	174.99	721.7	172.70
731.2	175.60	726.4	174.99	721.6	172.50
731.1	175.60	726.3	174.99	721.5	172.50
731.0	175.60	726.2	174.90	721.4	172.40
730.9	175.50	726.1	174.80	721.3	172.30
730.8	175.50	726.0	174.80	721.2	172.10
730.7	175.50	725.9	174.80	721.1	172.10
730.6	175.50	725.8	174.80	721.0	172.10
730.5	175.50	725.7	174.60	720.9	171.90
730.4	175.50	725.6	174.60	720.8	171.90
730.3	175.50	725.5	174.50	720.7	171.90
730.2	175.30	725.4	174.40	720.6	171.80
730.1	175.30	725.3	174.40	720.5	171.70
730.0	175.30	725.2	174.30	720.4	171.70
729.9	175.30	725.1	174.20	720.3	171.60
729.8	175.20	725.0	174.20	720.2	171.30
729.7	175.20	724.9	174.10	720.1	171.30
729.6	175.20	724.8	174.10	720.0	171.10
729.5	175.20	724.7	174.00	719.9	171.10
729.4	175.20	724.6	173.90	719.8	170.90
729.3	175.20	724.5	173.70	719.7	170.90
729.2	175.10	724.4	173.70	719.6	170.60
729.1	175.10	724.3	173.60	719.5	170.60
729.0	175.10	724.2	173.50	719.4	170.60
728.9	175.10	724.1	173.40	719.3	170.60

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
719.2	170.50	714.4	167.40	709.6	164.90
719.1	170.50	714.3	167.30	709.5	164.90
719.0	170.50	714.2	167.30	709.4	164.90
718.9	170.50	714.1	167.30	709.3	164.90
718.8	170.50	714.0	167.10	709.2	164.90
718.7	170.30	713.9	167.10	709.1	164.90
718.6	170.30	713.8	167.10	709.0	164.90
718.5	170.20	713.7	167.10	708.9	164.81
718.4	170.20	713.6	167.10	708.8	164.81
718.3	170.20	713.5	167.10	708.7	164.81
718.2	170.00	713.4	167.00	708.6	164.81
718.1	169.90	713.3	167.00	708.5	164.80
718.0	169.90	713.2	167.00	708.4	164.80
717.9	169.80	713.1	166.80	708.3	164.80
717.8	169.70	713.0	166.80	708.2	164.80
717.7	169.60	712.9	166.80	708.1	164.80
717.6	169.50	712.8	166.80	708.0	164.80
717.5	169.40	712.7	166.80	707.9	164.80
717.4	169.40	712.6	166.80	707.8	164.80
717.3	169.30	712.5	166.80	707.7	164.80
717.2	169.30	712.4	166.80	707.6	164.80
717.1	169.20	712.3	166.80	707.5	164.80
717.0	169.20	712.2	166.80	707.4	164.80
716.9	169.10	712.1	166.80	707.3	164.80
716.8	169.10	712.0	166.80	707.2	164.80
716.7	169.10	711.9	166.80	707.1	164.80
716.6	169.10	711.8	166.70	707.0	164.60
716.5	169.00	711.7	166.60	706.9	164.60
716.4	168.80	711.6	166.60	706.8	164.60
716.3	168.80	711.5	166.60	706.7	164.60
716.2	168.80	711.4	166.60	706.6	164.60
716.1	168.70	711.3	166.60	706.5	164.50
716.0	168.70	711.2	166.60	706.4	164.49
715.9	168.70	711.1	166.50	706.3	164.49
715.8	168.69	711.0	166.50	706.2	164.30
715.7	168.60	710.9	166.40	706.1	164.10
715.6	168.60	710.8	166.40	706.0	164.00
715.5	168.60	710.7	166.10	705.9	163.90
715.4	168.60	710.6	166.10	705.8	163.60
715.3	168.60	710.5	166.10	705.7	163.50
715.2	168.50	710.4	165.90	705.6	163.50
715.1	168.50	710.3	165.80	705.5	163.40
715.0	168.30	710.2	165.50	705.4	163.40
714.9	168.20	710.1	165.50	705.3	163.39
714.8	167.70	710.0	165.30	705.2	163.10
714.7	167.60	709.9	165.20	705.1	163.10
714.6	167.40	709.8	164.90	705.0	163.10
714.5	167.40	709.7	164.90	704.9	162.80

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
704.8	162.60	700.0	159.40	695.2	155.60
704.7	162.50	699.9	159.20	695.1	155.60
704.6	162.40	699.8	159.10	695.0	155.30
704.5	162.20	699.7	159.10	694.9	155.30
704.4	162.10	699.6	159.00	694.8	155.20
704.3	161.90	699.5	159.00	694.7	155.00
704.2	161.90	699.4	159.00	694.6	154.90
704.1	161.90	699.3	159.00	694.5	154.90
704.0	161.80	699.2	158.70	694.4	154.90
703.9	161.80	699.1	158.70	694.3	154.90
703.8	161.70	699.0	158.70	694.2	154.70
703.7	161.70	698.9	158.70	694.1	154.70
703.6	161.60	698.8	158.60	694.0	154.70
703.5	161.60	698.7	158.50	693.9	154.60
703.4	161.40	698.6	158.40	693.8	154.50
703.3	161.30	698.5	158.40	693.7	154.50
703.2	161.20	698.4	158.40	693.6	154.50
703.1	161.19	698.3	158.30	693.5	154.50
703.0	161.10	698.2	158.30	693.4	154.50
702.9	161.10	698.1	158.30	693.3	154.30
702.8	161.00	698.0	158.20	693.2	154.30
702.7	161.00	697.9	158.10	693.1	154.30
702.6	160.80	697.8	157.90	693.0	154.30
702.5	160.70	697.7	157.90	692.9	154.30
702.4	160.70	697.6	157.80	692.8	154.30
702.3	160.60	697.5	157.60	692.7	154.30
702.2	160.60	697.4	157.40	692.6	154.20
702.1	160.60	697.3	157.40	692.5	154.20
702.0	160.50	697.2	157.10	692.4	154.20
701.9	160.50	697.1	157.00	692.3	154.20
701.8	160.50	697.0	156.80	692.2	154.20
701.7	160.40	696.9	156.80	692.1	154.20
701.6	160.40	696.8	156.60	692.0	154.20
701.5	160.20	696.7	156.60	691.9	154.10
701.4	160.20	696.6	156.20	691.8	154.10
701.3	160.10	696.5	156.00	691.7	154.00
701.2	160.10	696.4	156.00	691.6	153.90
701.1	160.10	696.3	155.90	691.5	153.90
701.0	160.10	696.2	155.80	691.4	153.80
700.9	160.10	696.1	155.80	691.3	153.80
700.8	160.10	696.0	155.80	691.2	153.80
700.7	160.00	695.9	155.79	691.1	153.70
700.6	159.90	695.8	155.70	691.0	153.70
700.5	159.90	695.7	155.70	690.9	153.70
700.4	159.80	695.6	155.70	690.8	153.50
700.3	159.79	695.5	155.70	690.7	153.50
700.2	159.79	695.4	155.70	690.6	153.50
700.1	159.79	695.3	155.70	690.5	153.21

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
690.4	153.21	685.6	151.60	680.8	149.30
690.3	153.21	685.5	151.60	680.7	149.30
690.2	153.21	685.4	151.60	680.6	149.20
690.1	153.21	685.3	151.60	680.5	149.20
690.0	153.21	685.2	151.51	680.4	149.20
689.9	153.21	685.1	151.51	680.3	149.10
689.8	153.21	685.0	151.51	680.2	149.10
689.7	153.11	684.9	151.51	680.1	149.00
689.6	153.11	684.8	151.51	680.0	149.00
689.5	153.01	684.7	151.51	679.9	149.00
689.4	152.91	684.6	151.51	679.8	149.00
689.3	152.71	684.5	151.51	679.7	149.00
689.2	152.71	684.4	151.51	679.6	149.00
689.1	152.71	684.3	151.51	679.5	149.00
689.0	152.71	684.2	151.51	679.4	149.00
688.9	152.71	684.1	151.51	679.3	149.00
688.8	152.71	684.0	151.41	679.2	149.00
688.7	152.61	683.9	151.41	679.1	149.00
688.6	152.61	683.8	151.40	679.0	149.00
688.5	152.61	683.7	151.30	678.9	149.00
688.4	152.51	683.6	151.30	678.8	149.00
688.3	152.41	683.5	151.10	678.7	149.00
688.2	152.30	683.4	151.10	678.6	148.91
688.1	152.30	683.3	151.00	678.5	148.90
688.0	152.30	683.2	150.90	678.4	148.90
687.9	152.20	683.1	150.80	678.3	148.90
687.8	152.20	683.0	150.80	678.2	148.90
687.7	152.00	682.9	150.60	678.1	148.90
687.6	152.00	682.8	150.60	678.0	148.90
687.5	152.00	682.7	150.40	677.9	148.90
687.4	152.00	682.6	150.40	677.8	148.90
687.3	151.80	682.5	150.40	677.7	148.80
687.2	151.80	682.4	150.30	677.6	148.60
687.1	151.80	682.3	150.20	677.5	148.60
687.0	151.71	682.2	150.20	677.4	148.60
686.9	151.71	682.1	150.20	677.3	148.51
686.8	151.61	682.0	150.10	677.2	148.41
686.7	151.61	681.9	150.10	677.1	148.41
686.6	151.61	681.8	150.10	677.0	148.21
686.5	151.61	681.7	150.00	676.9	148.11
686.4	151.60	681.6	149.90	676.8	148.10
686.3	151.60	681.5	149.80	676.7	148.10
686.2	151.60	681.4	149.80	676.6	148.00
686.1	151.60	681.3	149.80	676.5	147.80
686.0	151.60	681.2	149.60	676.4	147.70
685.9	151.60	681.1	149.60	676.3	147.70
685.8	151.60	681.0	149.50	676.2	147.70
685.7	151.60	680.9	149.40	676.1	147.60

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
676.0	147.50	671.2	144.60	666.4	141.70
675.9	147.40	671.1	144.50	666.3	141.31
675.8	147.30	671.0	144.50	666.2	141.30
675.7	147.21	670.9	144.50	666.1	141.30
675.6	146.91	670.8	144.50	666.0	141.30
675.5	146.71	670.7	144.50	665.9	141.30
675.4	146.51	670.6	144.40	665.8	141.30
675.3	146.31	670.5	144.31	665.7	141.10
675.2	146.31	670.4	144.31	665.6	141.00
675.1	146.11	670.3	144.31	665.5	141.00
675.0	146.11	670.2	144.21	665.4	140.90
674.9	146.01	670.1	144.21	665.3	140.90
674.8	145.91	670.0	144.20	665.2	140.70
674.7	145.91	669.9	144.10	665.1	140.70
674.6	145.81	669.8	144.10	665.0	140.50
674.5	145.80	669.7	144.10	664.9	140.50
674.4	145.80	669.6	144.10	664.8	140.50
674.3	145.70	669.5	144.10	664.7	140.50
674.2	145.70	669.4	144.00	664.6	140.30
674.1	145.70	669.3	144.00	664.5	140.30
674.0	145.70	669.2	144.00	664.4	140.30
673.9	145.70	669.1	143.80	664.3	140.20
673.8	145.70	669.0	143.80	664.2	140.20
673.7	145.70	668.9	143.61	664.1	140.20
673.6	145.70	668.8	143.60	664.0	140.10
673.5	145.70	668.7	143.60	663.9	140.00
673.4	145.60	668.6	143.60	663.8	140.00
673.3	145.60	668.5	143.60	663.7	140.00
673.2	145.60	668.4	143.50	663.6	140.00
673.1	145.60	668.3	143.40	663.5	140.00
673.0	145.50	668.2	143.30	663.4	140.00
672.9	145.50	668.1	143.20	663.3	139.90
672.8	145.50	668.0	143.10	663.2	139.90
672.7	145.40	667.9	143.00	<b>663.1</b>	<b>139.90</b>
672.6	145.40	667.8	143.00	<b>HELENA</b>	<b>[-1.6]</b>
672.5	145.40	667.7	143.00	663.0	139.90
672.4	145.30	667.6	142.90	662.9	139.90
672.3	145.20	667.5	142.70	662.8	139.90
672.2	145.20	667.4	142.70	662.7	139.80
672.1	145.10	667.3	142.60	662.6	139.80
672.0	145.01	667.2	142.50	662.5	139.80
671.9	145.01	667.1	142.30	662.4	139.80
671.8	144.91	667.0	142.30	662.3	139.80
671.7	144.91	666.9	142.10	662.2	139.70
671.6	144.71	666.8	142.10	662.1	139.70
671.5	144.71	666.7	142.10	662.0	139.70
671.4	144.61	666.6	142.10	661.9	139.60
671.3	144.60	666.5	142.00	661.8	139.60

NOTE: [ ] INDICATES LWRP READING ON THE GAGE

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
661.7	139.60	656.9	137.49	652.1	135.30
661.6	139.60	656.8	137.40	652.0	135.10
661.5	139.60	656.7	137.30	651.9	135.10
661.4	139.60	656.6	137.20	651.8	134.90
661.3	139.50	656.5	137.10	651.7	134.70
661.2	139.50	656.4	137.10	651.6	134.10
661.1	139.40	656.3	137.10	651.5	133.60
661.0	139.40	656.2	136.90	651.4	133.60
660.9	139.40	656.1	136.90	651.3	133.60
660.8	139.30	656.0	136.90	651.2	133.60
660.7	139.30	655.9	136.80	651.1	133.60
660.6	139.30	655.8	136.79	651.0	133.30
660.5	139.30	655.7	136.70	650.9	133.30
660.4	139.20	655.6	136.70	650.8	133.30
660.3	139.20	655.5	136.70	650.7	133.30
660.2	139.20	655.4	136.70	650.6	133.11
660.1	139.10	655.3	136.60	650.5	133.10
660.0	139.10	655.2	136.60	650.4	133.10
659.9	139.10	655.1	136.60	650.3	133.10
659.8	139.00	655.0	136.60	650.2	133.10
659.7	139.00	654.9	136.59	650.1	133.10
659.6	138.80	654.8	136.50	650.0	133.10
659.5	138.80	654.7	136.50	649.9	133.10
659.4	138.80	654.6	136.50	649.8	132.80
659.3	138.70	654.5	136.50	649.7	132.80
659.2	138.70	654.4	136.50	649.6	132.80
659.1	138.70	654.3	136.50	649.5	132.80
659.0	138.60	654.2	136.50	649.4	132.80
658.9	138.60	654.1	136.50	649.3	132.80
658.8	138.60	654.0	136.50	649.2	132.80
658.7	138.50	653.9	136.50	649.1	132.80
658.6	138.50	653.8	136.40	649.0	132.80
658.5	138.50	653.7	136.40	648.9	132.80
658.4	138.20	653.6	136.40	648.8	132.80
658.3	138.20	653.5	136.30	648.7	132.70
658.2	138.10	653.4	136.30	648.6	132.70
658.1	138.00	653.3	136.30	648.5	132.60
658.0	138.00	653.2	136.30	648.4	132.60
657.9	137.80	653.1	136.20	648.3	132.60
657.8	137.80	653.0	136.20	648.2	132.50
657.7	137.80	652.9	136.20	648.1	132.50
657.6	137.80	652.8	135.90	648.0	132.50
657.5	137.80	652.7	135.90	647.9	132.50
657.4	137.80	652.6	135.70	647.8	132.50
657.3	137.70	652.5	135.70	647.7	132.50
657.2	137.70	652.4	135.70	647.6	132.50
657.1	137.60	652.3	135.50	647.5	132.50
657.0	137.50	652.2	135.40	647.4	132.50

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
647.3	132.20	642.5	130.80	637.7	129.10
647.2	132.00	642.4	130.70	637.6	129.00
647.1	132.00	642.3	130.70	637.5	128.90
647.0	131.80	642.2	130.70	637.4	128.70
646.9	131.80	642.1	130.70	637.3	128.70
646.8	131.80	642.0	130.70	637.2	128.60
646.7	131.80	641.9	130.70	637.1	128.50
646.6	131.80	641.8	130.60	637.0	128.50
646.5	131.80	641.7	130.60	636.9	128.50
646.4	131.80	641.6	130.60	636.8	128.50
646.3	131.80	641.5	130.60	636.7	128.50
646.2	131.80	641.4	130.60	636.6	128.50
646.1	131.80	641.3	130.60	636.5	128.50
646.0	131.80	641.2	130.60	636.4	128.40
645.9	131.80	641.1	130.50	636.3	128.40
645.8	131.40	641.0	130.50	636.2	128.30
645.7	131.40	640.9	130.50	636.1	128.30
645.6	131.40	640.8	130.49	636.0	128.30
645.5	131.40	640.7	130.49	635.9	128.30
645.4	131.40	640.6	130.49	635.8	128.30
645.3	131.40	640.5	130.49	635.7	128.30
645.2	131.40	640.4	130.49	635.6	128.30
645.1	131.40	640.3	130.30	635.5	128.20
645.0	131.40	640.2	130.30	635.4	128.10
644.9	131.40	640.1	130.30	635.3	128.10
644.8	131.40	640.0	130.30	635.2	128.10
644.7	131.40	639.9	130.20	635.1	128.10
644.6	131.40	639.8	130.20	635.0	128.10
644.5	131.40	639.7	130.20	634.9	128.10
644.4	131.40	639.6	130.10	634.8	128.00
644.3	131.40	639.5	130.10	634.7	128.00
644.2	131.40	639.4	130.00	634.6	128.00
644.1	131.40	639.3	130.00	634.5	127.90
644.0	131.40	639.2	129.90	634.4	127.90
643.9	131.40	639.1	129.90	634.3	127.90
643.8	131.30	639.0	129.90	634.2	127.90
643.7	131.30	638.9	129.70	634.1	127.90
643.6	131.20	638.8	129.70	634.0	127.80
643.5	131.20	638.7	129.30	633.9	127.80
643.4	131.20	638.6	129.30	633.8	127.70
643.3	131.10	638.5	129.20	633.7	127.60
643.2	131.10	638.4	129.20	633.6	127.50
643.1	131.10	638.3	129.20	633.5	127.50
643.0	131.10	638.2	129.20	633.4	127.40
642.9	131.10	638.1	129.20	633.3	127.20
642.8	131.00	638.0	129.20	633.2	127.11
642.7	131.00	637.9	129.20	633.1	127.11
642.6	130.90	637.8	129.10	633.0	127.11



**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
632.9	127.11	628.1	124.80	623.3	122.60
632.8	127.11	628.0	124.80	623.2	122.50
632.7	127.10	627.9	124.80	623.1	122.40
632.6	127.10	627.8	124.80	623.0	122.30
632.5	127.10	627.7	124.70	622.9	122.30
632.4	127.10	627.6	124.70	622.8	122.20
632.3	127.10	627.5	124.70	622.7	122.10
632.2	127.10	627.4	124.70	622.6	122.00
632.1	127.10	627.3	124.70	622.5	122.00
632.0	127.10	627.2	124.70	622.4	121.90
631.9	127.10	627.1	124.70	622.3	121.80
631.8	127.10	627.0	124.60	622.2	121.80
631.7	127.10	626.9	124.60	622.1	121.80
631.6	127.10	626.8	124.50	622.0	121.80
631.5	127.10	626.7	124.50	621.9	121.80
631.4	127.10	626.6	124.50	621.8	121.70
631.3	127.10	626.5	124.40	621.7	121.70
631.2	127.10	626.4	124.40	621.6	121.60
631.1	127.10	626.3	124.40	621.5	121.60
631.0	127.10	626.2	124.30	621.4	121.60
630.9	127.10	626.1	124.30	621.3	121.50
630.8	127.10	626.0	124.20	621.2	121.50
630.7	127.10	625.9	124.10	621.1	121.40
630.6	127.00	625.8	124.10	621.0	121.40
630.5	127.00	625.7	123.90	620.9	121.40
630.4	126.90	625.6	123.90	620.8	121.20
630.3	126.90	625.5	123.80	620.7	121.20
630.2	126.90	625.4	123.80	620.6	121.10
630.1	126.80	625.3	123.60	620.5	121.10
630.0	126.50	625.2	123.40	620.4	121.00
629.9	126.50	625.1	123.40	620.3	120.70
629.8	126.50	625.0	123.30	620.2	120.70
629.7	126.40	624.9	123.20	620.1	120.50
629.6	126.30	624.8	123.00	620.0	120.50
629.5	126.20	624.7	123.00	619.9	120.40
629.4	126.10	624.6	123.00	619.8	120.40
629.3	125.90	624.5	123.00	619.7	120.40
629.2	125.60	624.4	123.00	619.6	120.40
629.1	125.40	624.3	123.00	619.5	120.40
629.0	125.10	624.2	123.00	619.4	120.40
628.9	125.00	624.1	123.00	619.3	120.40
628.8	124.80	624.0	123.00	619.2	120.40
628.7	124.80	623.9	123.00	619.1	120.40
628.6	124.80	623.8	122.90	619.0	120.30
628.5	124.80	623.7	122.90	618.9	120.30
628.4	124.80	623.6	122.80	618.8	120.30
628.3	124.80	623.5	122.70	618.7	120.20
628.2	124.80	623.4	122.60	618.6	120.20

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
618.5	120.10	613.7	118.20	608.9	115.30
618.4	120.10	613.6	118.10	608.8	115.10
618.3	120.10	613.5	118.10	608.7	114.90
618.2	120.10	613.4	118.00	608.6	114.90
618.1	120.10	613.3	118.00	608.5	114.90
618.0	120.10	613.2	117.90	608.4	114.90
617.9	120.10	613.1	117.90	608.3	114.80
617.8	120.10	613.0	117.70	608.2	114.70
617.7	120.10	612.9	117.60	608.1	114.60
617.6	120.10	612.8	117.60	608.0	114.40
617.5	120.10	612.7	117.40	607.9	114.40
617.4	120.10	612.6	117.30	607.8	114.40
617.3	120.10	612.5	117.10	607.7	114.00
617.2	120.10	612.4	117.10	607.6	114.00
617.1	120.00	612.3	116.80	607.5	114.00
617.0	120.00	612.2	116.60	607.4	114.00
616.9	120.00	612.1	116.50	607.3	114.00
616.8	119.90	612.0	116.50	607.2	114.00
616.7	119.90	611.9	116.40	607.1	114.00
616.6	119.90	611.8	116.40	607.0	114.00
616.5	119.80	611.7	116.40	606.9	113.90
616.4	119.70	611.6	116.40	606.8	113.90
616.3	119.60	611.5	116.40	606.7	113.90
616.2	119.60	611.4	116.40	606.6	113.90
616.1	119.40	611.3	116.40	606.5	113.90
616.0	119.20	611.2	116.40	606.4	113.90
615.9	119.10	611.1	116.40	606.3	113.90
615.8	119.00	611.0	116.30	606.2	113.90
615.7	118.80	610.9	116.30	606.1	113.90
615.6	118.70	610.8	116.30	606.0	113.90
615.5	118.50	610.7	116.20	605.9	113.90
615.4	118.50	610.6	116.20	605.8	113.90
615.3	118.40	610.5	116.10	605.7	113.90
615.2	118.40	610.4	116.10	605.6	113.90
615.1	118.40	610.3	116.10	605.5	113.80
615.0	118.40	610.2	116.00	605.4	113.80
614.9	118.40	610.1	116.00	605.3	113.80
614.8	118.40	610.0	116.00	605.2	113.80
614.7	118.40	609.9	115.90	605.1	113.80
614.6	118.40	609.8	115.80	605.0	113.80
614.5	118.40	609.7	115.80	604.9	113.70
614.4	118.40	609.6	115.60	604.8	113.70
614.3	118.30	609.5	115.50	604.7	113.60
614.2	118.30	609.4	115.40	604.6	113.60
614.1	118.20	609.3	115.40	604.5	113.50
614.0	118.20	609.2	115.30	604.4	113.50
613.9	118.20	609.1	115.30	604.3	113.50
613.8	118.20	609.0	115.30	604.2	113.40

**MEMPHIS DISTRICT  
2007 LOW WATER REFERENCE PLANE**

<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>	<b>1962 AHP <u>MILE</u></b>	<b>2007 LWRP <u>NAVD88</u></b>
604.1	113.30	599.3	110.81	594.5	106.86
604.0	113.30	599.2	110.66	594.4	106.77
603.9	113.20	599.1	110.62	594.3	106.68
603.8	113.10	599.0	110.58	594.2	106.59
603.7	113.10	598.9	110.54	594.1	106.50
603.6	113.00	598.8	110.50	594.0	106.41
603.5	112.90	598.7	110.46	593.9	106.32
603.4	112.80	598.6	110.44	593.8	106.24
603.3	112.80	598.5	110.40	593.7	106.15
603.2	112.70	598.4	110.36	593.6	106.06
603.1	112.70	598.3	110.32	593.5	105.97
603.0	112.70	598.2	110.28	593.4	105.88
602.9	112.60	598.1	110.24	593.3	105.79
602.8	112.60	598.0	110.21	593.2	105.70
602.7	112.60	597.9	110.10	593.1	105.62
602.6	112.50	597.8	109.99	593.0	105.53
602.5	112.50	597.7	109.88	592.9	105.48
602.4	112.40	597.6	109.76	592.8	105.42
602.3	112.40	597.5	109.65	592.7	105.37
602.2	112.30	597.4	109.54	592.6	105.32
602.1	112.30	597.3	109.43	592.5	105.27
602.0	112.28	597.2	109.32	592.4	105.22
601.9	112.24	597.1	109.21	592.3	105.16
601.8	112.19	597.0	109.10	592.2	105.11
601.7	112.15	596.9	109.01	592.1	105.06
601.6	112.10	596.8	108.91	592.0	105.01
601.5	112.05	596.7	108.82	591.9	104.96
601.4	112.01	596.6	108.73	591.8	104.91
601.3	111.96	596.5	108.64	591.7	104.85
601.2	111.92	596.4	108.55	591.6	104.80
601.1	111.86	596.3	108.46	591.5	104.75
601.0	111.82	596.2	108.37	591.4	104.70
600.9	111.77	596.1	108.28	591.3	104.65
600.8	111.72	596.0	108.19		
600.7	111.68	595.9	108.10		
600.6	111.63	595.8	108.01		
600.5	111.59	595.7	107.92		
600.4	111.54	595.6	107.83		
600.3	111.49	595.5	107.75		
600.2	111.45	595.4	107.66		
600.1	111.40	595.3	107.57		
600.0	111.36	595.2	107.48		
599.9	111.30	595.1	107.39		
599.8	111.26	595.0	107.30		
599.7	111.21	594.9	107.21		
599.6	111.15	594.8	107.12		
599.5	111.01	594.7	107.03		
599.4	110.91	594.6	106.95		

1. THE PERIOD 1954 THROUGH 2005 WAS USED TO DETERMINE THE 97 PERCENT EXCEEDANCE DISCHARGE AND IS SHOWN BELOW:

HICKMAN, KY	146,000 CFS
MEMPHIS, TN	155,300 CFS
HELENA, AR	159,700 CFS

2. THE ABOVE DISCHARGES WERE USED TO DETERMINE A STAGE FOR EACH YEAR FOR THE PERIOD 1996 THROUGH 2005 AT FIVE KEY STATIONS. THESE STAGES AND THE AVERAGE STAGE AT EACH STATION ARE SHOWN IN TABLE 1 BELOW.

3. IT WAS STATED IN PREVIOUS METHODOLOGY USED FOR ANALYZING THE LWRP THAT IF A REACH OF RIVER SHOWED A SIGNIFICANT CHANGE IN STAGE-DISCHARGE RELATIONSHIP OVER THE 10-YEAR PERIOD (1996-2005) THEN THIS CHANGE SHOULD BE CONSIDERED IN DETERMINING THE LWRP IN THAT REACH. THE REACH IN THE VICINITY OF THE WHITE RIVER EXHIBITED AN UNUSUAL CHANGE BETWEEN THE 1999 AND 2005 LOW WATER PROFILE SURVEYS. THEREFORE, AN ADDITIONAL GAGE AT THE MOUTH OF THE WHITE RIVER (MW-5) WAS USED TO DEVELOP A LWRP STAGE TO ASSIST IN DEVELOPING THE LWRP THROUGH THE REACH. BECAUSE FLOWS WERE NOT AVAILABLE AT THIS LOCATION, OBSERVED DISCHARGES AT HELENA, AR WERE CORRELATED WITH STAGES AT MW-5 TO DEVELOP THE YEARLY RATING CURVES NECESSARY TO COMPUTE THE LWRP STAGE. ONLY THE DATA FOR 2002-2005 WERE USED TO COMPUTE THE MW-5 LWRP STAGE.

4. A LOW WATER PROFILE WAS TAKEN THROUGHOUT THE MEMPHIS DISTRICT DURING 15-23 AUGUST 2005. THIS PROFILE WAS USED TO SHAPE THE PROPOSED 2007 LWRP BETWEEN THE FIVE KEY STATIONS. THE AUGUST 2005 PROFILE IS CONSIDERED REPRESENTATIVE OF THE LOW WATER SLOPE THAT WOULD OCCUR AS A RESULT OF THE 97 PERCENT EXCEEDANCE DISCHARGE. THE STAGES THAT OCCURRED ON THE SURVEY DATES WERE WITHIN 0.0-0.7 FEET OF THE COMPUTED LWRP STAGES AT THE FIVE KEY GAGE LOCATIONS; STAGES FOR SURVEY DATA AT FOUR OF THE FIVE LOCATIONS WERE WITHIN 0.5 FEET.

TABLE 1. LWRP STAGES FROM GAGE DATA FOR 1996-2005

	MS112	MS113	MS126	MS133	MS136
97% EXCEEDANCE FLOW (1000S CFS) ==>	146	146	155.3	159.7	159.7
RATING TABLE FOR YEAR	STAGE FROM RATING CURVE				
1996	8.7	4.3	-7.0	-1.6	-0.4
1997	10.1	4.3	-7.0	-1.6	-3.1
1998	10.0	4.3	-7.0	-1.7	-1.1
1999	9.0	3.8	-8.5	-2.5	-3.0
2000	8.7	2.5	-8.5	-2.5	-3.8
2001	9.8	2.5	-8.5	-1.7	-3.1
2002	7.0	2.5	-8.0	-2.5	-2.4
2003	9.0	2.5	-8.0	-2.5	-2.3
2004	9.0	2.5	-8.0	-2.5	-2.1
2005	6.8	2.5	-8.0	-2.5	-3.1
AVERAGE	8.8	3.2	-7.9	-2.2	-2.4