

Mustang Bayou
Cartwright Rd. to Kitty
Hollow

HEC-RAS Profile: Max WS

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Upper	19619.93	Max WS	Rev Existing	153.05	69.84	75.86		75.87	0.000182	1.00	162.81	635.94	0.09
Upper	19619.93	Max WS	Rev.Ultimate	190.49	67.44	74.92		74.93	0.000016	0.41	467.74	88.24	0.03
Upper	19270.93	Max WS	Rev Existing	150.42	69.12	75.78		75.80	0.000239	1.09	138.59	635.57	0.11
Upper	19270.93	Max WS	Rev.Ultimate	190.35	67.18	74.92		74.92	0.000007	0.30	644.33	106.45	0.02
Upper	18546.36	Max WS	Rev Existing	189.69	69.01	75.57		75.60	0.000305	1.27	152.20	615.18	0.12
Upper	18546.36	Max WS	Rev.Ultimate	253.45	66.63	74.92		74.92	0.000004	0.23	1117.82	159.73	0.02
Upper	17895.16	Max WS	Rev Existing	226.54	68.97	75.42		75.43	0.000176	1.04	217.87	588.50	0.09
Upper	17895.16	Max WS	Rev.Ultimate	307.92	66.15	74.92		74.92	0.000004	0.26	1194.71	162.80	0.02
Upper	17466.06	Max WS	Rev Existing	251.25	68.51	75.22		75.27	0.000580	1.82	138.94	509.62	0.17
Upper	17466.06	Max WS	Rev.Ultimate	345.15	65.82	74.91		74.91	0.000005	0.28	1248.35	164.57	0.02
Upper	16855.19	Max WS	Rev Existing	286.75	67.82	74.73		74.80	0.000895	2.18	131.83	498.46	0.20
Upper	16855.19	Max WS	Rev.Ultimate	398.24	65.37	74.91		74.91	0.000005	0.30	1322.36	167.24	0.02
Upper	16354.95	Max WS	Rev Existing	286.44	64.99	74.51		74.53	0.000160	1.19	241.22	656.24	0.09
Upper	16354.95	Max WS	Rev.Ultimate	397.83	64.99	74.91		74.91	0.000005	0.29	1386.03	170.08	0.02
Upper	16280.89 GCWA Canal												
Upper	16209.03	Max WS	Rev Existing	285.55	64.87	73.86		73.87	0.000045	0.71	416.45	218.16	0.05
Upper	16209.03	Max WS	Rev.Ultimate	376.75	64.87	72.84		72.86	0.000106	1.05	359.61	63.31	0.06
Upper	15910.55	Max WS	Rev Existing	285.53	65.91	73.85		73.85	0.000055	0.73	392.40	386.04	0.06
Upper	15910.55	Max WS	Rev.Ultimate	375.53	64.84	72.81		72.83	0.000116	1.05	358.20	68.18	0.06
Upper	15001.15	Max WS	Rev Existing	322.82	65.88	73.79		73.80	0.000066	0.81	447.62	833.88	0.06
Upper	15001.15	Max WS	Rev.Ultimate	444.64	64.77	72.66	66.89	72.69	0.000171	1.27	349.77	72.86	0.10
Upper	14857.08 Turtle Creek												
Upper	14824.84	Max WS	Rev Existing	322.57	65.22	73.64		73.65	0.000063	0.81	434.21	1124.92	0.06
Upper	14824.84	Max WS	Rev.Ultimate	459.98	64.75	72.83		72.65	0.000129	1.15	406.72	88.80	0.09
Upper	14416.23	Max WS	Rev Existing	341.53	65.62	73.62		73.63	0.000056	0.75	473.71	830.02	0.06
Upper	14416.23	Max WS	Rev.Ultimate	495.84	64.72	72.57		72.59	0.000148	1.20	414.21	78.29	0.09
Upper	12939.98	Max WS	Rev Existing	404.87	65.75	73.52		73.53	0.000067	0.79	542.90	449.73	0.06
Upper	12939.98	Max WS	Rev.Ultimate	617.65	64.59	72.31		72.34	0.000174	1.33	466.07	85.32	0.10
Upper	12220.10	Max WS	Rev Existing	403.68	65.38	73.48		73.49	0.000055	0.76	529.47	789.65	0.06
Upper	12220.10	Max WS	Rev.Ultimate	615.46	64.53	72.21		72.23	0.000108	1.10	561.30	96.10	0.08
Upper	11655.44	Max WS	Rev Existing	420.70	65.25	73.46		73.46	0.000030	0.59	1048.92	430.18	0.04
Upper	11655.44	Max WS	Rev.Ultimate	645.00	64.48	72.15		72.17	0.000113	1.08	598.40	117.95	0.08
Upper	9519.025	Max WS	Rev Existing	575.82	65.34	73.30		73.32	0.000105	1.05	545.86	97.44	0.08
Upper	9519.025	Max WS	Rev.Ultimate	830.10	64.30	71.74		71.77	0.000223	1.54	537.72	94.63	0.11
Upper	8595.548	Max WS	Rev Existing	641.07	64.85	73.16		73.18	0.000180	1.23	664.04	318.18	0.10
Upper	8595.548	Max WS	Rev.Ultimate	878.74	64.22	71.48		71.52	0.000274	1.68	523.38	94.96	0.13
Upper	7886.822	Max WS	Rev Existing	635.09	65.55	73.04		73.06	0.000168	1.20	529.65	510.16	0.10
Upper	7886.822	Max WS	Rev.Ultimate	816.54	64.16	71.29		71.33	0.000248	1.57	518.75	96.45	0.12
Lower	7362	Max WS	Rev.Ultimate	1829.83	64.00	71.29		71.43	0.000844	3.03	603.79	105.19	0.22
Lower	7162.935	Max WS	Rev Existing	660.68	66.61	73.04		73.09	0.000440	1.79	378.11	609.61	0.15
Lower	7162.935	Max WS	Rev.Ultimate	1829.65	63.68	71.13		71.27	0.000797	2.98	613.24	104.68	0.22
Lower	6854.811	Max WS	Rev Existing	613.34	66.95	72.82		72.90	0.000713	2.17	282.57	374.49	0.19
Lower	6854.811	Max WS	Rev.Ultimate	1829.28	63.35	70.89		71.03	0.000761	2.94	623.23	105.26	0.21
Lower	6209.217	Max WS	Rev Existing	628.22	62.83	72.64	65.46	72.66	0.000014	1.20	524.47	85.90	0.09
Lower	6209.217	Max WS	Rev.Ultimate	1938.12	62.63	70.61	65.68	70.74	0.000078	2.91	668.58	107.71	0.21
Lower	6158.476 Lake Olympia Pkw												
Lower	6122.891	Max WS	Rev Existing	636.35	62.63	72.63		72.65	0.000016	1.29	492.62	79.27	0.09
Lower	6122.891	Max WS	Rev.Ultimate	1952.55	62.57	70.60		70.73	0.000077	2.89	675.16	108.17	0.20
Lower	5432.340	Max WS	Rev Existing	656.41	64.23	72.41		72.47	0.000443	1.98	331.00	66.21	0.16
Lower	5432.340	Max WS	Rev.Ultimate	2068.70	61.84	70.35		70.47	0.000625	2.84	727.60	111.06	0.20
Lower	4693.396	Max WS	Rev Existing	570.93	61.05	72.20	66.18	72.23	0.000189	1.32	439.33	121.03	0.10
Lower	4693.396	Max WS	Rev.Ultimate	2068.40	61.05	69.93		70.05	0.000532	2.69	769.91	113.31	0.18
Lower	4649.317 Senior Road												
Lower	4616.931	Max WS	Rev Existing	563.09	61.05	72.17		72.20	0.000187	1.31	436.12	102.17	0.10
Lower	4616.931	Max WS	Rev.Ultimate	2068.36	61.05	69.89		70.01	0.000541	2.70	765.08	113.05	0.18
Lower	4400	Max WS	Rev Existing	551.31	61.56	72.14		72.16	0.000125	1.16	474.25	81.95	0.09
Lower	4400	Max WS	Rev.Ultimate	2068.24	60.97	69.77		69.89	0.000550	2.72	760.89	112.81	0.18
Lower	4317.379	Max WS	Rev Existing	623.38	61.56	72.12		72.14	0.000162	1.32	472.28	81.78	0.10
Lower	4317.379	Max WS	Rev.Ultimate	2151.47	60.95	69.70		69.83	0.000608	2.85	755.14	112.52	0.19
Lower	3367.37*	Max WS	Rev Existing	663.91	61.03	71.96		71.98	0.000154	1.35	493.25	79.51	0.10
Lower	3367.37*	Max WS	Rev.Ultimate	2211.49	60.63	69.03		69.18	0.000748	3.09	715.81	110.40	0.21

HEC-RAS Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Lower	2417.37*	Max WS	Rev Existing	712.78	60.50	71.80		71.83	0.000147	1.37	520.75	78.63	0.09
Lower	2417.37*	Max WS	Rev.Ultimate	2267.25	60.32	68.14		68.33	0.001024	3.47	652.67	106.92	0.25
Lower	1599.759	Max WS	Rev Existing	756.76	60.05	71.68		71.71	0.000140	1.38	548.11	78.65	0.09
Lower	1599.759	Max WS	Rev.Ultimate	146.25	60.05	68.10		68.10	0.000004	0.22	677.16	108.29	0.02
Lower	1340.371	Max WS	Rev Existing	237.37	60.02	64.40		64.46	0.000987	2.05	115.65	40.25	0.21
Lower	1340.371	Max WS	Rev.Ultimate	399.63	60.02	66.08		66.10	0.000080	0.84	474.18	96.38	0.07
Lower	1300	Max WS	Rev Existing	213.86	57.02	64.38		64.38	0.000000	0.03	6114.30	858.28	0.00
Lower	1300	Max WS	Rev.Ultimate	400.27	57.02	66.09		66.09	0.000000	0.05	7582.86	868.55	0.00
Lower	1250	Max WS	Rev Existing	213.85	57.02	64.38	57.20	64.38	0.000000	0.03	6114.29	858.28	0.00
Lower	1250	Max WS	Rev.Ultimate	400.26	57.02	66.09	57.27	66.09	0.000000	0.05	7582.85	868.55	0.00

Mustang Bayou Diversion to FB Tollway

HEC-RAS River: Mustang Trib Reach: Reach 1 Profile: Max WS

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Reach 1	4840.05	Max WS	Rev Existing	-25.59	65.71	73.04		73.04	0.000001	-0.10	370.58	904.80	0.01
Reach 1	4840.05	Max WS	Rev.Ultimate	-1013.29	64.17	71.29		71.35	0.000387	-1.99	511.09	99.49	0.15
Reach 1	4825.05	Max WS	Rev Existing	-25.60	65.71	73.04		73.04	0.000001	0.00	370.59	904.81	0.00
Reach 1	4825.05	Max WS	Rev.Ultimate	-1013.30	64.17	71.29		71.35	0.000385	-1.99	511.66	99.51	0.15
Reach 1	4816.55	Walkway Bridge		Bridge									
Reach 1	4808.58	Max WS	Rev Existing	-25.60	65.75	73.04		73.04	0.000001	-0.09	344.79	870.63	0.01
Reach 1	4808.58	Max WS	Rev.Ultimate	-1013.30	64.18	71.30		71.36	0.000390	-1.99	508.00	92.72	0.15
Reach 1	3924.99	Max WS	Rev Existing	24.81	65.04	73.04		73.04	0.000001	0.07	527.44	538.95	0.01
Reach 1	3924.99	Max WS	Rev.Ultimate	-1033.45	64.55	71.67		71.74	0.000405	-2.03	508.29	92.74	0.15
Reach 1	1562.91	Max WS	Rev Existing	170.27	64.79	73.01		73.02	0.000017	0.38	860.19	1238.75	0.03
Reach 1	1562.91	Max WS	Rev.Ultimate	-883.79	64.79	72.65		72.70	0.000284	-1.73	514.15	98.03	0.13
Reach 1	1000.00	Max WS	Rev Existing	201.68	65.76	73.00		73.01	0.000011	0.32	734.03	795.53	0.03
Reach 1	1000.00	Max WS	Rev.Ultimate	-803.97	65.76	72.80		72.83	0.000174	-1.29	633.37	136.14	0.10
Reach 1	550	Max WS	Rev Existing	687.21	65.76	72.95		72.96	0.000128	1.06	709.80	769.37	0.09
Reach 1	550	Max WS	Rev.Ultimate	645.27	65.76	72.83		72.85	0.000131	1.06	666.76	719.07	0.09
Reach 1	397.5	Fort Bend Tollwa		Culvert									
Reach 1	245	Max WS	Rev Existing	686.85	65.76	72.52		72.54	0.000176	1.19	579.89	564.62	0.10
Reach 1	245	Max WS	Rev.Ultimate	640.59	65.76	72.42		72.44	0.000175	1.17	559.67	534.08	0.10
Reach 1	0	Max WS	Rev Existing	686.80	65.76	72.48	67.96	72.50	0.000181	1.20	570.97	557.87	0.10
Reach 1	0	Max WS	Rev.Ultimate	640.33	65.76	72.38	67.92	72.40	0.000180	1.18	552.25	520.81	0.10

Lower Oyster Creek Kitty Hollow to Sienna Channel

HEC-RAS River: Oyster Creek Reach: Main Profile: Max WS													
Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Main	23712.58	Max WS	Rev Existing	-163.02	53.81	61.50		61.50	0.000006	-0.14	1160.18	215.19	0.01
Main	23712.58	Max WS	Rev.Ultimate	-203.24	53.81	61.91		61.91	0.000008	-0.16	1249.49	219.35	0.01
Main	21216.56	Max WS	Rev Existing	-164.50	52.78	61.52		61.52	0.000008	-0.16	999.48	173.90	0.01
Main	21216.56	Max WS	Rev.Ultimate	-207.67	52.78	61.93		61.93	0.000010	-0.19	1072.39	177.54	0.01
Main	21017.90	Max WS	Rev Existing	-151.55	53.55	61.52		61.52	0.000008	0.00	905.92	159.26	0.00
Main	21017.90	Max WS	Rev.Ultimate	-184.50	53.55	61.94		61.94	0.000010	0.00	972.58	161.74	0.00
Main	20958.47 SH 6												
Main	20878.72	Max WS	Rev Existing	-142.89	53.55	61.52		61.52	0.000007	-0.16	906.02	159.27	0.01
Main	20878.72	Max WS	Rev.Ultimate	-169.56	53.55	61.94		61.94	0.000008	-0.17	972.73	161.76	0.01
Main	20673.55	Max WS	Rev Existing	-129.90	53.92	61.52		61.52	0.000005	-0.13	1004.64	186.10	0.01
Main	20673.55	Max WS	Rev.Ultimate	-146.25	53.92	61.94		61.94	0.000005	-0.14	1083.21	191.87	0.01
Main	18544.53	Max WS	Rev Existing	7.49	53.15	61.53		61.53	0.000000	0.01	1044.88	174.97	0.00
Main	18544.53	Max WS	Rev.Ultimate	100.39	53.15	61.94		61.94	0.000002	0.09	1118.58	182.71	0.01
Main	18295.75	Max WS	Rev Existing	7.49	52.19	61.53	52.75	61.53	0.000000	0.03	286.44	52.23	0.00
Main	18295.75	Max WS	Rev.Ultimate	100.36	52.19	61.94	53.89	61.94	0.000033	0.33	308.10	54.00	0.02
Main	18246.10 Sienna Pkwy												
Main	18177.16	Max WS	Rev Existing	7.49	52.19	61.53		61.53	0.000000	0.03	286.46	52.23	0.00
Main	18177.16	Max WS	Rev.Ultimate	100.36	52.19	61.93		61.93	0.000033	0.33	307.91	53.99	0.02
Main	17751.60	Max WS	Rev Existing	7.48	55.74	61.53		61.53	0.000000	0.01	747.41	180.70	0.00
Main	17751.60	Max WS	Rev.Ultimate	100.16	55.74	61.93		61.93	0.000006	0.12	819.92	184.95	0.01
Main	17245.31	Max WS	Rev Existing	91.43	55.83	61.50		61.51	0.000092	0.55	165.04	734.37	0.04
Main	17245.31	Max WS	Rev.Ultimate	198.29	55.83	61.82		61.84	0.000358	1.14	174.54	771.12	0.08
Main	17204.22 Trammel Fresno												
Main	17152.33	Max WS	Rev Existing	55.02	55.83	60.65		60.65	0.000060	0.40	138.04	690.56	0.03
Main	17152.33	Max WS	Rev.Ultimate	188.34	55.83	61.25		61.27	0.000468	1.21	156.15	704.19	0.09
Main	16578.67	Max WS	Rev Existing	52.57	54.21	60.63		60.63	0.000011	0.06	854.83	190.00	0.01
Main	16578.67	Max WS	Rev.Ultimate	186.18	54.21	61.12		61.12	0.000016	0.19	955.15	225.64	0.02
Main	14481.40	Max WS	Rev Existing	166.88	52.82	60.82		60.82	0.000007	0.15	1086.51	185.24	0.01
Main	14481.40	Max WS	Rev.Ultimate	362.96	52.82	61.08		61.08	0.000025	0.31	1172.35	189.52	0.02
Main	13051.12	Max WS	Rev Existing	242.94	52.60	60.60		60.60	0.000019	0.24	1010.61	193.95	0.02
Main	13051.12	Max WS	Rev.Ultimate	481.94	52.60	61.02		61.02	0.000060	0.44	1092.60	201.88	0.03
Main	12783.57	Max WS	Rev Existing	242.93	54.29	60.59		60.59	0.000074	0.47	512.63	218.49	0.04
Main	12783.57	Max WS	Rev.Ultimate	481.89	54.29	60.97		60.98	0.000229	0.87	550.87	221.74	0.07
Main	12726.96 Watts Plantation												
Main	12670.11	Max WS	Rev Existing	229.97	54.29	59.29		59.30	0.000093	0.88	261.58	68.64	0.08
Main	12670.11	Max WS	Rev.Ultimate	438.82	54.29	59.82		59.86	0.000227	1.47	297.59	71.80	0.12
Main	11652.23	Max WS	Rev Existing	229.77	49.91	59.25		59.25	0.000005	0.28	833.78	128.54	0.02
Main	11652.23	Max WS	Rev.Ultimate	413.82	49.91	59.73		59.73	0.000012	0.46	896.78	131.59	0.03
Main	10764.95 Outlet West Stor												
Main	10760												
Main	10680.07	Max WS	Rev Existing	294.89	53.14	59.22		59.23	0.000034	0.58	507.33	113.80	0.05
Main	10680.07	Max WS	Rev.Ultimate	467.77	53.14	59.68		59.70	0.000064	0.83	560.97	118.61	0.07
Main	9953.790	Max WS	Rev Existing	310.85	51.29	59.20		59.20	0.000032	0.60	518.29	194.24	0.05
Main	9953.790	Max WS	Rev.Ultimate	482.92	51.29	59.64		59.65	0.000061	0.85	565.99	259.06	0.07
Main	8978.385 Outlet East Stor												
Main	8800.025	Max WS	Rev Existing	405.48	51.46	59.16		59.17	0.000025	0.55	731.42	138.81	0.04
Main	8800.025	Max WS	Rev.Ultimate	573.38	51.46	59.58		59.59	0.000039	0.73	789.97	141.13	0.05
Main	8138.912	Max WS	Rev Existing	405.12	51.68	59.15		59.15	0.000019	0.48	842.63	173.88	0.04
Main	8138.912	Max WS	Rev.Ultimate	571.19	51.68	59.56		59.57	0.000029	0.63	915.90	189.08	0.05
Main	7041.903	Max WS	Rev Existing	413.47	50.26	59.13		59.13	0.000018	0.52	835.74	187.14	0.04
Main	7041.903	Max WS	Rev.Ultimate	576.33	50.26	59.53		59.54	0.000028	0.67	912.18	194.81	0.05
Main	5104.422	Max WS	Rev Existing	428.81	51.49	59.08		59.09	0.000029	0.63	678.02	119.53	0.05
Main	5104.422	Max WS	Rev.Ultimate	587.78	51.49	59.46		59.47	0.000045	0.81	723.16	121.44	0.06
Main	4867.975 Outlet South Sto												
Main	4798.256	Max WS	Rev Existing	576.72	50.10	59.06		59.07	0.000073	0.83	698.92	165.07	0.07
Main	4798.256	Max WS	Rev.Ultimate	742.61	50.10	59.42		59.44	0.000096	0.98	760.84	172.16	0.08
Main	4776.418 Low Water Crossi												
Main	4671.104	Max WS	Rev Existing	574.58	50.27	59.02		59.03	0.000069	0.88	653.95	133.66	0.07
Main	4671.104	Max WS	Rev.Ultimate	736.11	50.27	59.36		59.38	0.000098	1.05	701.51	143.77	0.08

HEC-RAS River: Oyster Creek Reach: Main Profile: Max WS (Continued)

Reach	River Sta	Profile	Plan	Q Total (cfs)	Min Ch El (ft)	W.S. Elev (ft)	Crit W.S. (ft)	E.G. Elev (ft)	E.G. Slope (ft/ft)	Vel Chnl (ft/s)	Flow Area (sq ft)	Top Width (ft)	Froude # Chl
Main	3270.192	Max WS	Rev Existing	573.93	48.62	58.96		58.96	0.000032	0.71	812.07	175.59	0.05
Main	3270.192	Max WS	Rev.Ultimate	730.05	48.62	59.27		59.28	0.000045	0.86	852.87	191.57	0.06
Main	1393.962	Max WS	Rev Existing	658.02	44.33	58.91		58.91	0.000022	0.65	1005.16	163.09	0.04
Main	1393.962	Max WS	Rev.Ultimate	807.14	44.33	59.20		59.21	0.000030	0.77	1045.91	168.31	0.05
Main	1212.670	Max WS	Rev Existing	2220.72	42.36	58.84	49.42	58.87	0.000064	1.31	1694.39	175.62	0.07
Main	1212.670	Max WS	Rev.Ultimate	2354.35	42.36	59.14	49.51	59.17	0.000065	1.35	1746.85	177.12	0.08
Main	1198.032 BRA Canal		Bridge										
Main	1172.987	Max WS	Rev Existing	2220.72	42.36	58.73		58.75	0.000066	1.33	1674.15	175.02	0.08
Main	1172.987	Max WS	Rev.Ultimate	2354.35	42.36	59.01		59.04	0.000068	1.37	1723.92	176.45	0.08
Main	1054.907	Max WS	Rev Existing	2220.71	43.31	58.70	49.90	58.74	0.000105	1.57	1410.80	162.05	0.09
Main	1054.907	Max WS	Rev.Ultimate	2354.34	43.31	58.99	50.06	59.03	0.000107	1.62	1456.74	163.18	0.10
Main	1043.062 Mc Keever		Bridge										
Main	1012.839	Max WS	Rev Existing	2220.70	43.31	58.70		58.74	0.000105	1.58	1409.83	162.03	0.09
Main	1012.839	Max WS	Rev.Ultimate	2354.33	43.31	58.98		59.02	0.000107	1.62	1455.75	172.45	0.10
Main	736.0043	Max WS	Rev Existing	2220.67	41.91	58.66		58.70	0.000139	1.66	1334.66	173.95	0.11
Main	736.0043	Max WS	Rev.Ultimate	2354.29	41.91	58.94		58.99	0.000141	1.70	1384.03	176.32	0.11
Main	0.00	Max WS	Rev Existing	2744.99	40.81	58.53	49.97	58.58	0.000150	1.82	1506.51	196.97	0.11
Main	0.00	Max WS	Rev.Ultimate	2874.37	40.81	58.81	50.07	58.86	0.000150	1.84	1558.22	209.28	0.11