









United States Army Corps of Engineers

Nashville District

CELRN-EC-H / Water Management Section

Station: 3COR10024

Project: Cordell Hull

Location: Mill Creek, Mile 1.7

State: Tennessee  
County: Clay

Latitude: 36° 29" 36'  
Longitude: 85° 33" 3'

Quad: Burristown, TN  
HUC: 05130106

Sample Date: 10 Sep 2012

Water Surface Elevation =

Stream Flow =

(No Laboratory Analyses)

Profile Measurements

Depth ft	Water Temp deg C	Water Temp deg F	Dis Oxygen mg/l	Dis Oxygen % sat	Spec Cond umho/cm	pH units	Chloro a F ug/l
0.0	19.5	67.1	5.9	64.4	459.0	7.6	

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Station: 3COR10025

Project: Cordell Hull

Location: Jennings Creek, Mile 4.7

State: Tennessee

Latitude: 36° 26' 25.1'

Quad: Whitleyville, TN

County: Jackson

Longitude: 85° 40' 28.5'

HUC: 05130106

Sample Date: 10 Sep 2012

Water Surface Elevation =

Stream Flow =

(No Laboratory Analyses)

Profile Measurements

Depth ft	Water Temp deg C	Water Temp deg F	Dis Oxygen mg/l	Dis Oxygen % sat	Spec Cond umho/cm	pH units	Chloro a F ug/l
0.0	17.2	63.0	10.8	112.6	301.0	7.7	



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Station: 3COR20003

Project: Cordell Hull

Location: Cumberland River, Mile 323.0

State: Tennessee

Latitude: 36° 16" 47'

Quad: Carthage, TN

County: Smith

Longitude: 85° 53" 10'

HUC: 05130106

Sample Date: 10 Sep 2012

Water Surface Elevation = 503.9 ft

Secchi Disk = 1.0 m

(No Laboratory Analyses)

Profile Measurements

Depth ft	Water Temp deg C	Water Temp deg F	Dis Oxygen mg/l	Dis Oxygen % sat	Spec Cond umho/cm	pH units	Chloro a F ug/l
0.0	28.2	82.8	9.6	122.7	199.0	8.7	3.9
5.0	26.8	80.2	10.1	126.0	197.0	8.8	7.6
10.0	25.8	78.4	8.3	101.8	198.0	8.5	7.5
15.0	25.5	77.9	6.7	81.8	199.0	8.0	5.8
20.0	22.6	72.7	4.5	52.1	199.0	7.1	1.7
25.0	21.4	70.5	5.3	60.0	198.0	7.0	1.4
30.0	20.4	68.7	5.7	63.3	197.0	7.0	1.2
35.0	20.4	68.7	5.8	64.4	197.0	7.0	0.9
40.0	20.0	68.0	5.9	65.1	196.0	6.9	0.9
45.0	19.9	67.8	5.8	63.8	197.0	6.9	0.9
50.0	19.9	67.8	5.8	63.8	196.0	6.9	0.9
55.0	19.9	67.8	5.7	62.7	196.0	6.9	0.9
60.0	19.9	67.8	5.7	62.7	197.0	6.9	1.0
65.0	19.9	67.8	5.7	62.7	197.0	6.9	1.0
68.0	19.9	67.8	5.7	62.7	196.0	6.9	1.1



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CELRN-EC-H / Water Management Section

Station: 3COR20004

Project: Cordell Hull

Location: Cumberland River, Mile 327.9

State: Tennessee

Latitude: 36° 16" 51'

Quad: Granville, TN

County: Smith

Longitude: 85° 50" 11'

HUC: 05130106

Sample Date: 10 Sep 2012

Water Surface Elevation = 503.9 ft

Secchi Disk = 0.7 m

(No Laboratory Analyses)

Profile Measurements

Depth ft	Water Temp deg C	Water Temp deg F	Dis Oxygen mg/l	Dis Oxygen % sat	Spec Cond umho/cm	pH units	Chloro a F ug/l
0.0	26.6	79.9	8.9	110.7	199.0	8.6	6.2
5.0	26.2	79.2	8.0	98.8	200.0	8.4	6.7
10.0	26.0	78.8	7.3	89.9	200.0	8.1	5.9
15.0	24.2	75.6	6.6	78.7	201.0	7.5	4.2
20.0	21.7	71.1	6.6	75.2	199.0	7.2	3.2
25.0	20.6	69.1	6.5	72.5	197.0	7.0	2.6
30.0	19.9	67.8	6.3	69.3	197.0	7.0	1.3
35.0	19.7	67.5	6.2	68.0	197.0	6.9	1.1
40.0	19.6	67.3	6.2	67.8	196.0	6.9	1.1
45.0	19.6	67.3	6.2	67.8	196.0	6.9	1.0
50.0	19.5	67.1	6.2	67.7	196.0	6.9	1.0
55.0	19.5	67.1	6.2	67.7	197.0	6.9	1.0
60.0	19.5	67.1	6.1	66.6	197.0	6.9	1.0





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Nashville District

CELRN-EC-H / Water Management Section

Station: 3COR20007

Project: Cordell Hull

Location: Cumberland River, Mile 374.0

State: Tennessee

Latitude: 36° 29" 44'

Quad: Burrirstown, TN

County: Clay

Longitude: 85° 34" 19'

HUC: 05130106

Sample Date: 10 Sep 2012

Water Surface Elevation = 503.9 ft

Secchi Disk = 2.9 m

(No Laboratory Analyses)

Profile Measurements

Depth ft	Water Temp deg C	Water Temp deg F	Dis Oxygen mg/l	Dis Oxygen % sat	Spec Cond umho/cm	pH units	Chloro a F ug/l
0.0	15.5	59.9	7.4	74.5	192.0	7.0	0.1
5.0	15.4	59.7	7.4	74.3	191.0	7.0	0.2
10.0	15.4	59.7	7.4	74.3	191.0	7.0	0.2
15.0	15.2	59.4	7.4	74.0	191.0	7.0	0.4
20.0	15.2	59.4	7.4	74.0	192.0	6.9	0.4
25.0	15.2	59.4	7.4	74.0	191.0	6.9	0.4
28.0	15.2	59.4	7.4	74.0	191.0	6.9	0.4





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CELRN-EC-H / Water Management Section

Station: 3COR20013

Project: Cordell Hull

Location: Cumberland River, Mile 349.5

State: Tennessee

Latitude: 36° 21" 38'

Quad: Gainesboro, TN

County: Jackson

Longitude: 85° 40" 51'

HUC: 05130106

Sample Date: 10 Sep 2012

Water Surface Elevation = 503.9 ft

Secchi Disk = 1.6 m

(No Laboratory Analyses)

Profile Measurements

Depth ft	Water Temp deg C	Water Temp deg F	Dis Oxygen mg/l	Dis Oxygen % sat	Spec Cond umho/cm	pH units	Chloro a F ug/l
0.0	21.5	70.7	9.4	106.7	203.0	7.6	3.7
5.0	20.3	68.5	9.7	107.6	202.0	7.3	8.4
10.0	20.0	68.0	8.9	98.1	202.0	7.1	7.4
15.0	19.7	67.5	8.1	88.8	201.0	7.0	7.4
20.0	19.4	66.9	7.5	81.7	200.0	6.9	4.0
25.0	19.4	66.9	7.3	79.6	200.0	6.9	3.0
30.0	19.2	66.6	7.3	79.2	200.0	6.9	2.1
35.0	19.2	66.6	7.3	79.2	200.0	6.9	3.1
40.0	19.2	66.6	7.3	79.2	200.0	6.9	2.9
44.0	19.2	66.6	7.2	78.2	199.0	6.9	2.5





