

Claiborne and Millers Ferry Locks and Dams Fish Passage Study

Appendix A – Engineering

Civil Plans

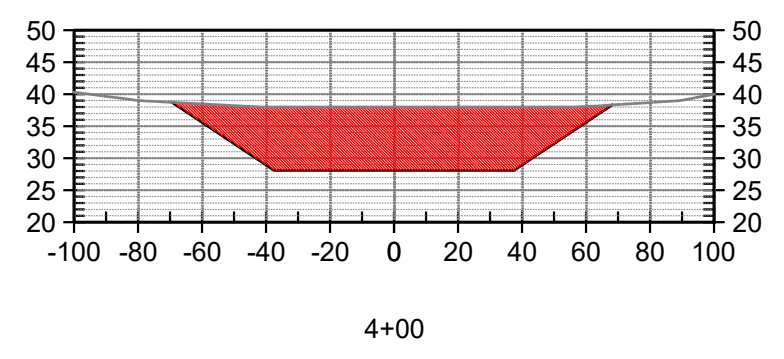
May 2023



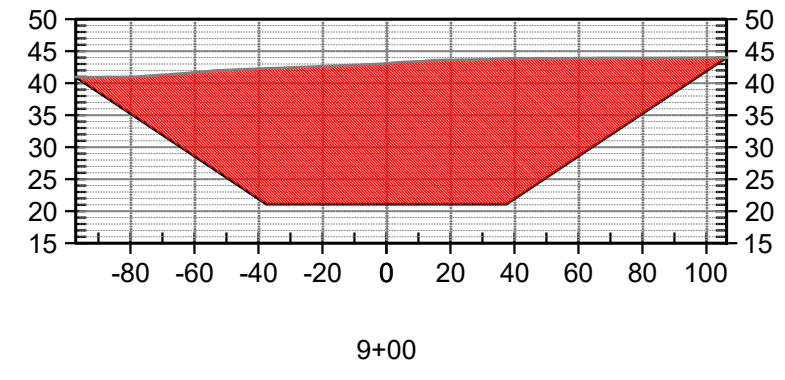
US Army Corps
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The Nature
Conservancy 

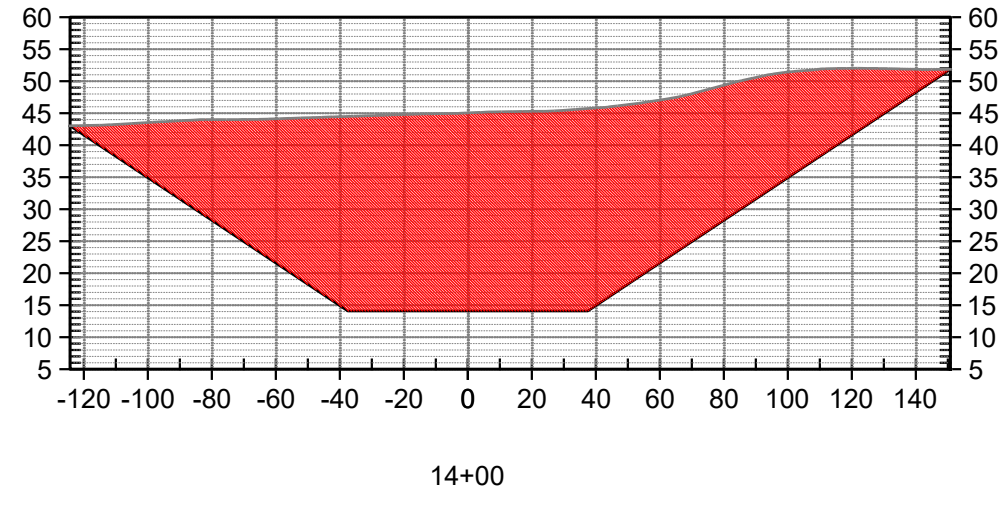
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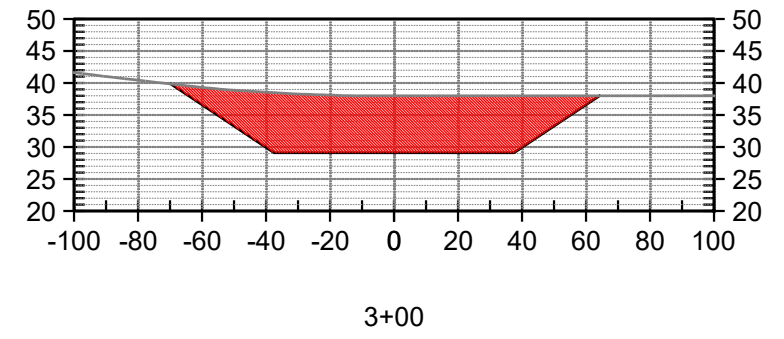
TOTAL VOLUME AT STATION 4+00.00	
CUT AREA	1047.77 SF
CUMULATIVE CUT VOL	14544.75 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	3668.74 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	10665.11 CY



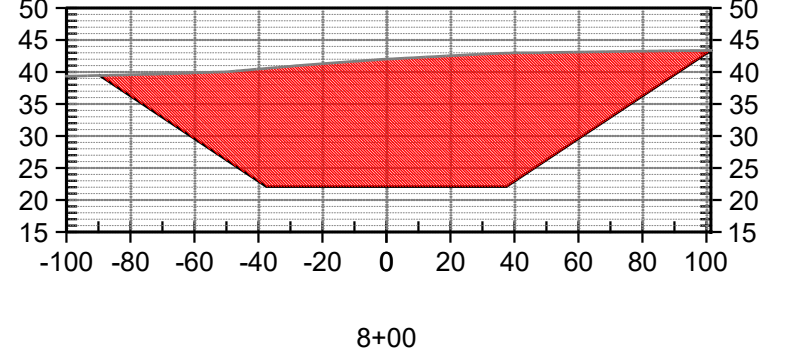
TOTAL VOLUME AT STATION 9+00.00	
CUT AREA	3059.43 SF
CUMULATIVE CUT VOL	52091.69 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	10531.39 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	48212.05 CY



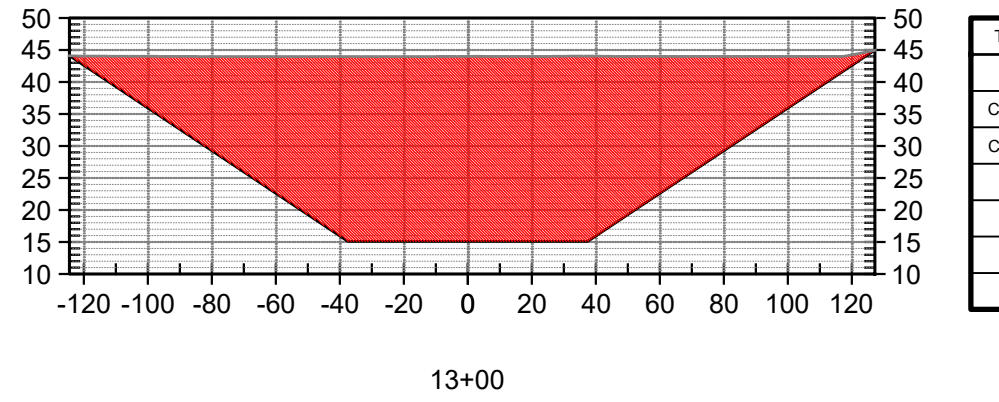
TOTAL VOLUME AT STATION 14+00.00	
CUT AREA	5562.52 SF
CUMULATIVE CUT VOL	129760.71 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	18966.52 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	125881.07 CY



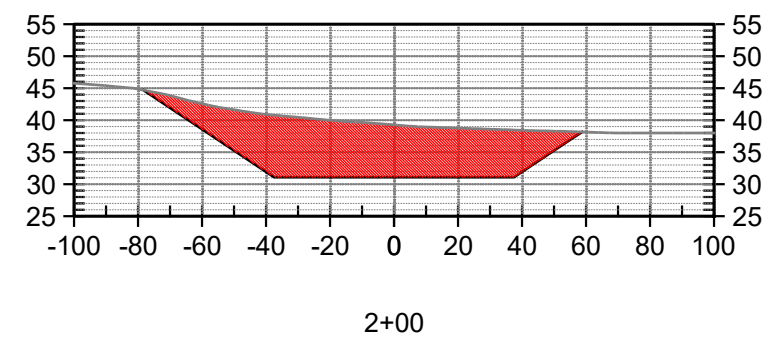
TOTAL VOLUME AT STATION 3+00.00	
CUT AREA	940.53 SF
CUMULATIVE CUT VOL	10876.01 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	3390.56 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	6996.37 CY



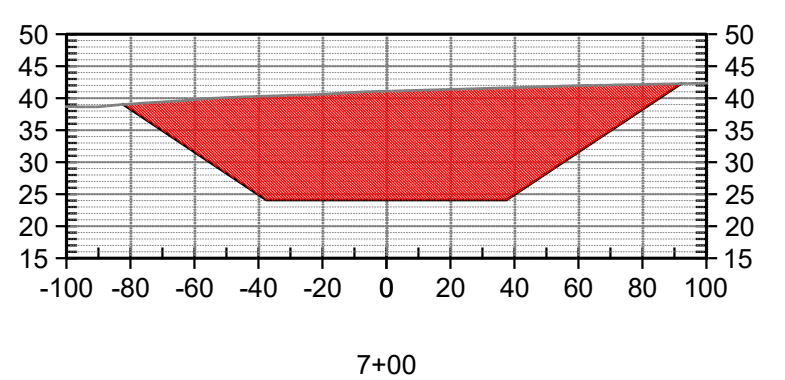
TOTAL VOLUME AT STATION 8+00.00	
CUT AREA	2627.52 SF
CUMULATIVE CUT VOL	41560.30 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	8843.54 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	37680.67 CY



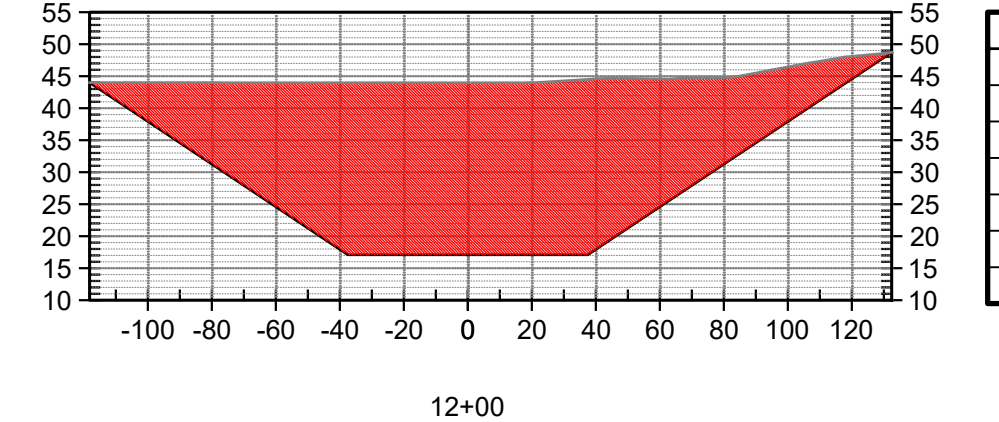
TOTAL VOLUME AT STATION 13+00.00	
CUT AREA	4679.40 SF
CUMULATIVE CUT VOL	110794.19 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	16701.85 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	106914.55 CY



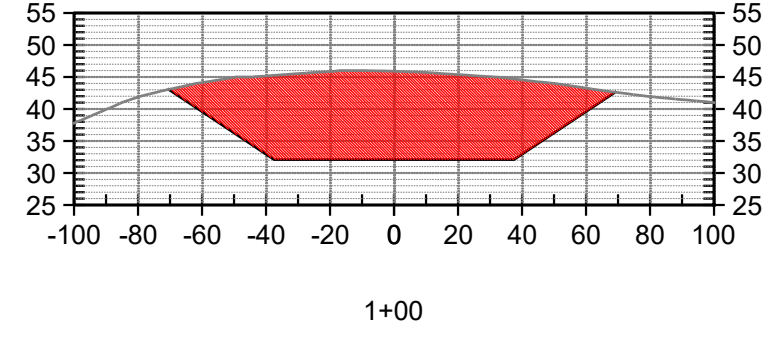
TOTAL VOLUME AT STATION 2+00.00	
CUT AREA	890.38 SF
CUMULATIVE CUT VOL	7485.45 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	4248.77 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	3605.81 CY



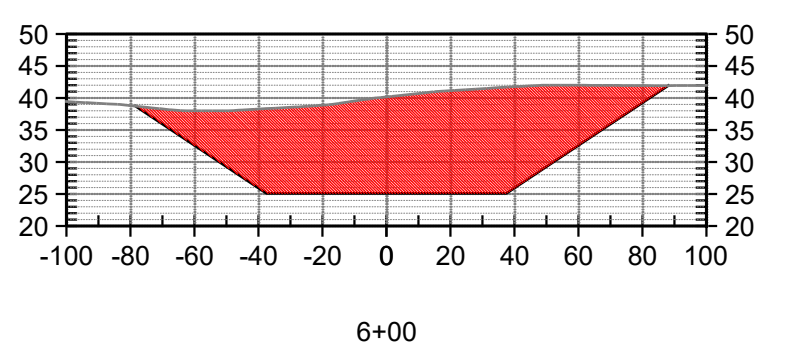
TOTAL VOLUME AT STATION 7+00.00	
CUT AREA	2117.75 SF
CUMULATIVE CUT VOL	32716.76 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	7265.05 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	28837.12 CY



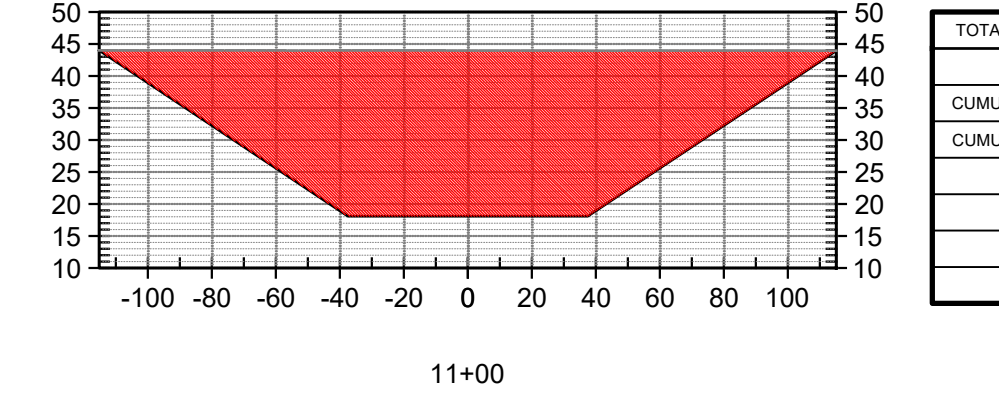
TOTAL VOLUME AT STATION 12+00.00	
CUT AREA	4339.60 SF
CUMULATIVE CUT VOL	94092.34 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	15388.96 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	90212.70 CY



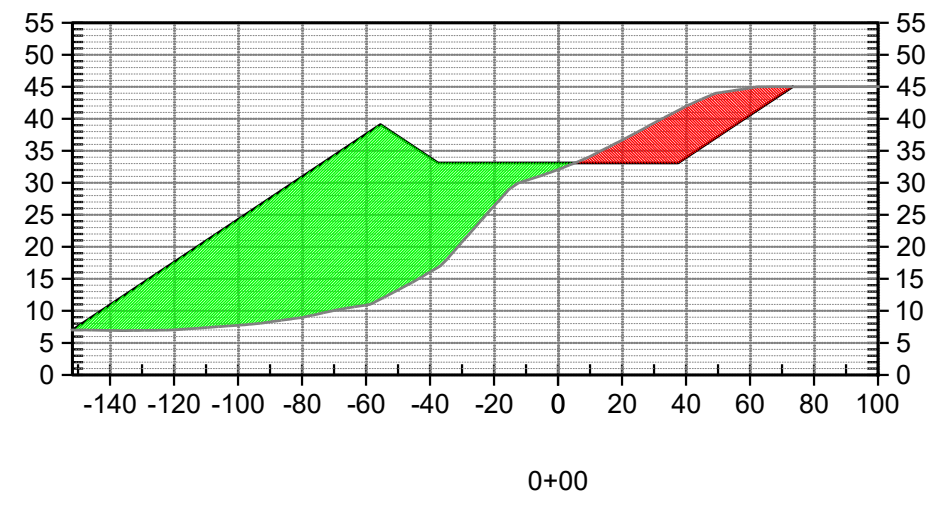
TOTAL VOLUME AT STATION 1+00.00	
CUT AREA	1439.35 SF
CUMULATIVE CUT VOL	3236.68 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	3236.68 CY
FILL AREA	0.00 SF
FILL VOL	3879.64 CY
NET VOL	-442.96 CY



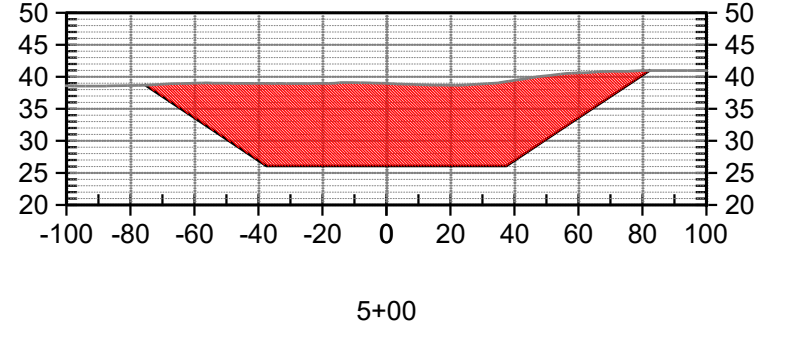
TOTAL VOLUME AT STATION 6+00.00	
CUT AREA	1805.38 SF
CUMULATIVE CUT VOL	25451.71 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	6154.97 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	21572.08 CY



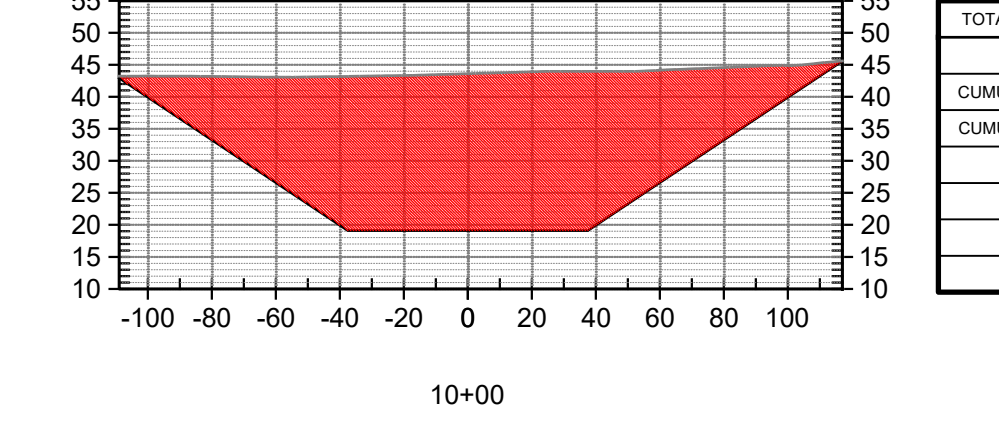
TOTAL VOLUME AT STATION 11+00.00	
CUT AREA	3952.63 SF
CUMULATIVE CUT VOL	78703.38 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	14132.88 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	74823.74 CY



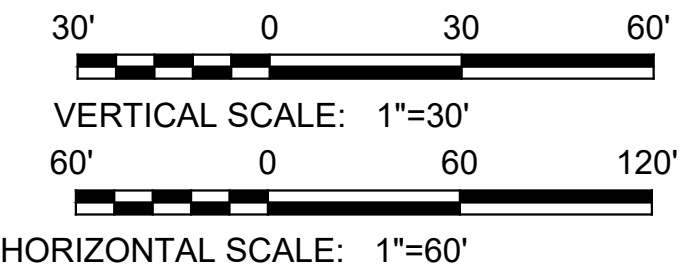
TOTAL VOLUME AT STATION 0+00.00	
CUT AREA	308.46 SF
CUMULATIVE CUT VOL	0.00 CY
CUMULATIVE FILL VOL	0.00 CY
CUT VOL	0.00 CY
FILL AREA	2995.00 SF
FILL VOL	0.00 CY
NET VOL	0.00 CY




TOTAL VOLUME AT STATION 5+00.00	
CUT AREA	1518.31 SF
CUMULATIVE CUT VOL	19296.74 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	4751.99 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	15417.10 CY



TOTAL VOLUME AT STATION 10+00.00	
CUT AREA	3879.12 SF
CUMULATIVE CUT VOL	64570.50 CY
CUMULATIVE FILL VOL	3879.64 CY
CUT VOL	12478.80 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	60690.86 CY





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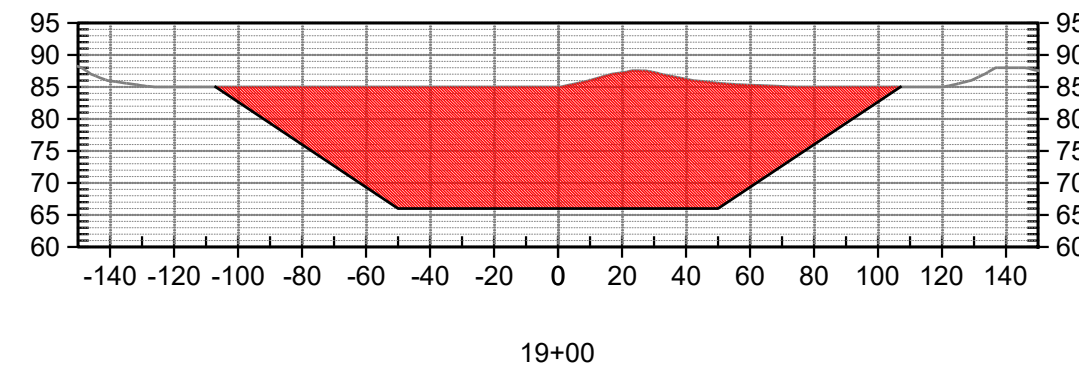
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FRANKLIN, ALABAMA
LOWER ALABAMA RIVER FISH PASSAGE
GENERAL INVESTIGATION STUDY

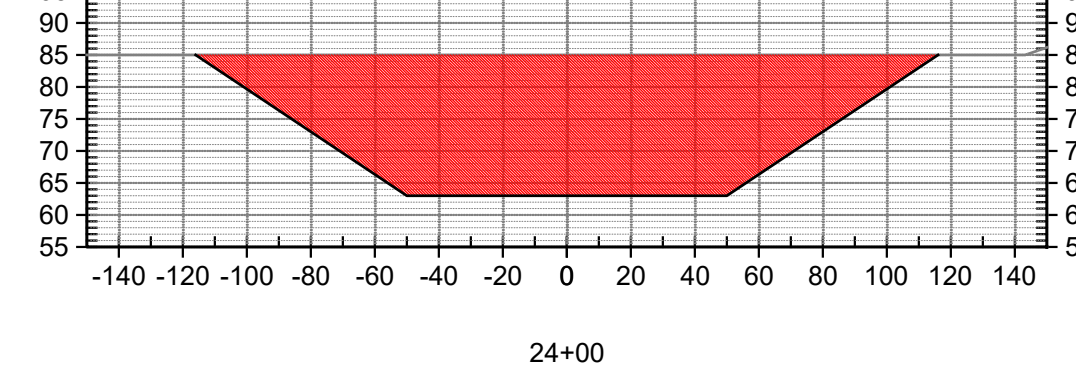
**CLAIBORNE BYPASS CHANNEL
CROSS SECTIONS**

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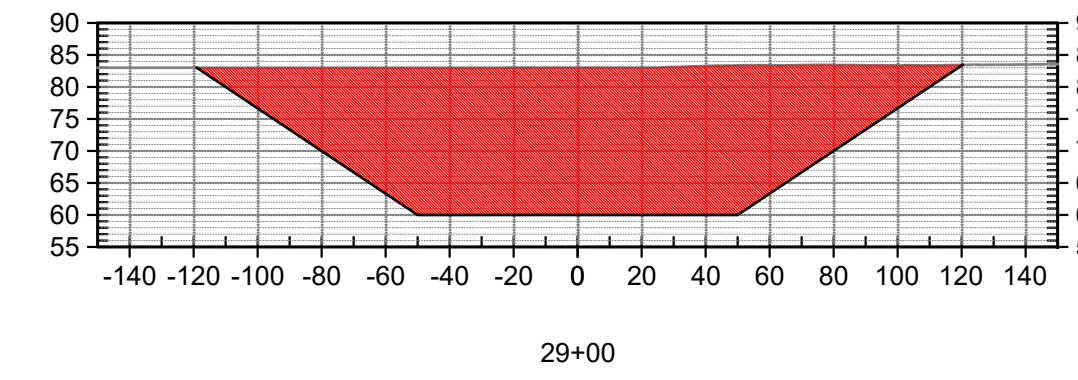
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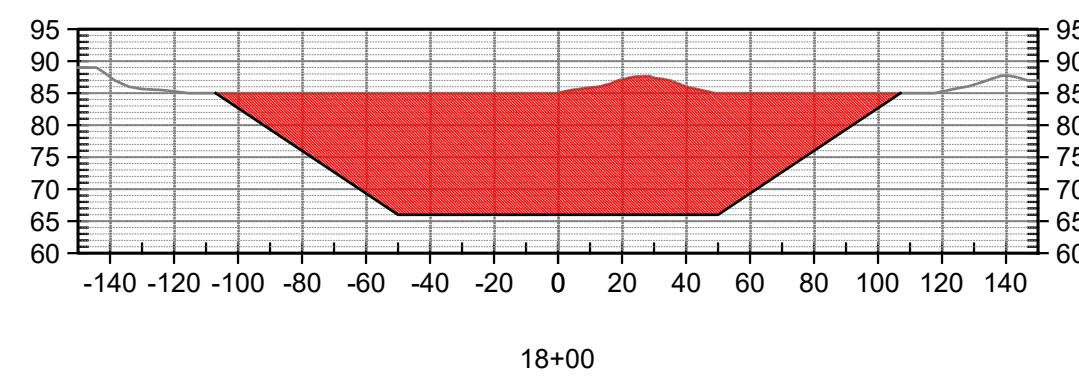
TOTAL VOLUME AT STATION 19+00.00	
CUT AREA	3061.02 SF
CUMULATIVE CUT VOL	129075.64 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	11316.38 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	129053.75 CY



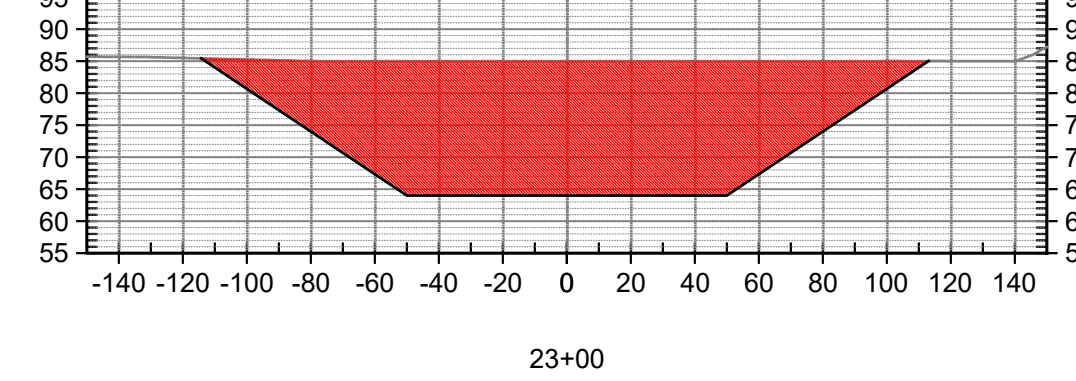
TOTAL VOLUME AT STATION 24+00.00	
CUT AREA	3652.00 SF
CUMULATIVE CUT VOL	191417.00 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	13114.95 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	191395.11 CY



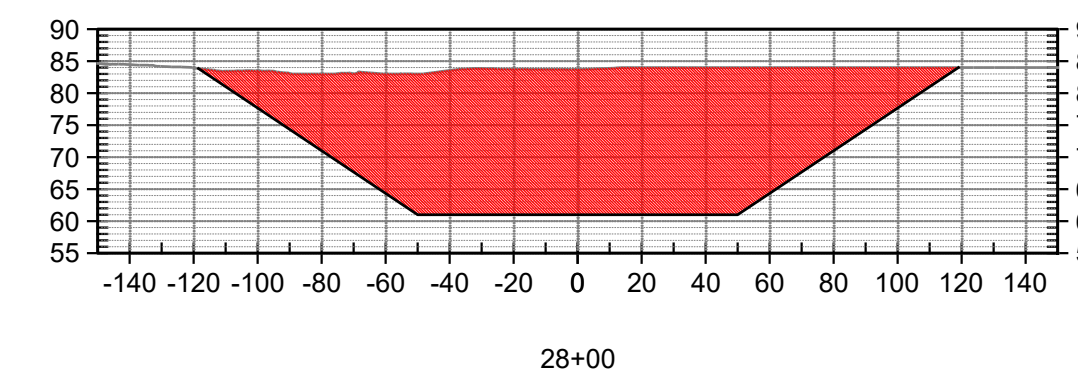
TOTAL VOLUME AT STATION 29+00.00	
CUT AREA	3919.14 SF
CUMULATIVE CUT VOL	262003.10 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	14320.25 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	261981.21 CY



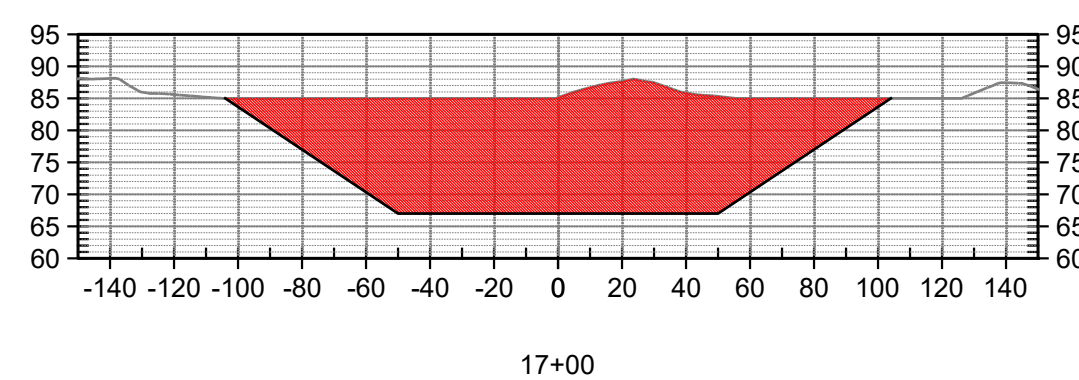
TOTAL VOLUME AT STATION 18+00.00	
CUT AREA	3049.83 SF
CUMULATIVE CUT VOL	117759.25 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	10931.84 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	117737.36 CY



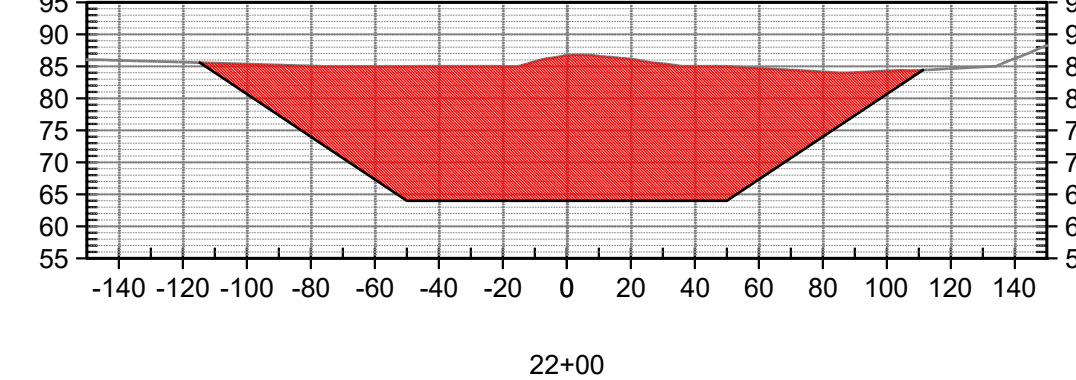
TOTAL VOLUME AT STATION 23+00.00	
CUT AREA	3430.07 SF
CUMULATIVE CUT VOL	178302.05 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	12739.50 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	178280.16 CY



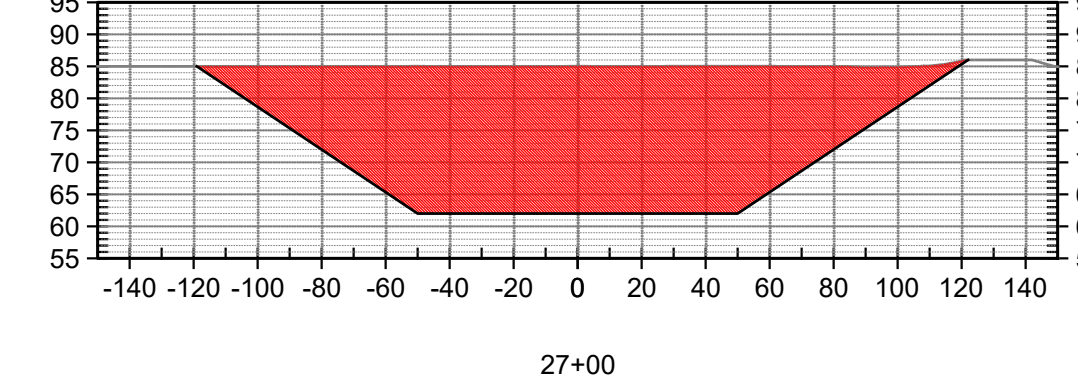
TOTAL VOLUME AT STATION 28+00.00	
CUT AREA	3813.80 SF
CUMULATIVE CUT VOL	247682.85 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	14264.83 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	247660.96 CY



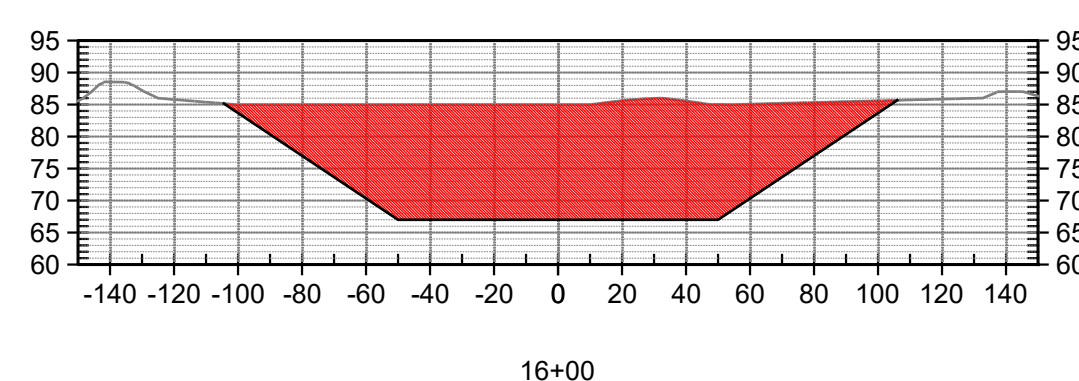
TOTAL VOLUME AT STATION 17+00.00	
CUT AREA	2853.37 SF
CUMULATIVE CUT VOL	106827.42 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	10487.44 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	106805.53 CY



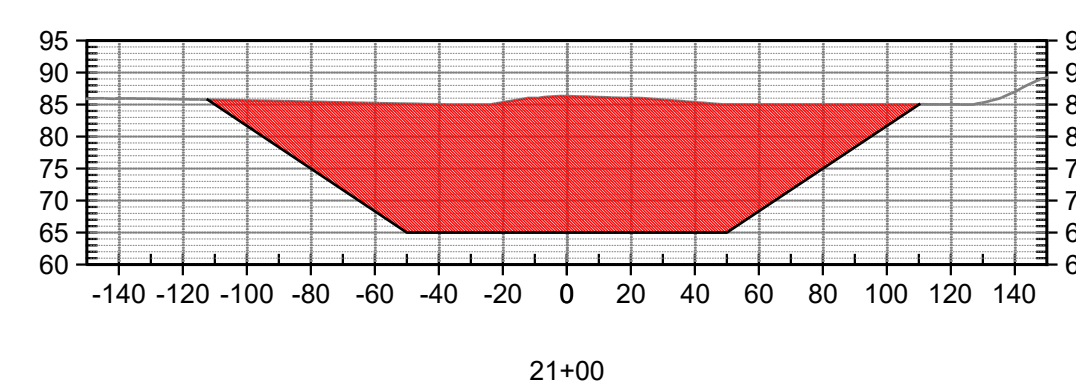
TOTAL VOLUME AT STATION 22+00.00	
CUT AREA	3449.26 SF
CUMULATIVE CUT VOL	165562.55 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	12474.22 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	165540.68 CY



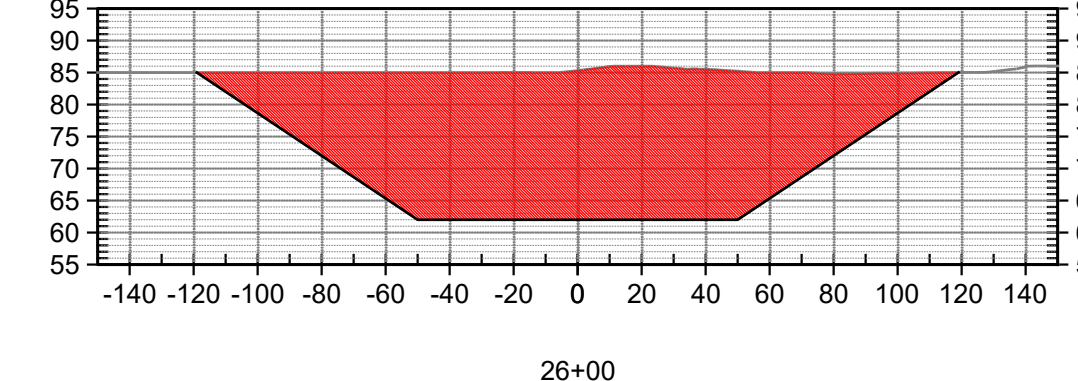
TOTAL VOLUME AT STATION 27+00.00	
CUT AREA	3889.21 SF
CUMULATIVE CUT VOL	233418.02 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	14457.19 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	233396.13 CY



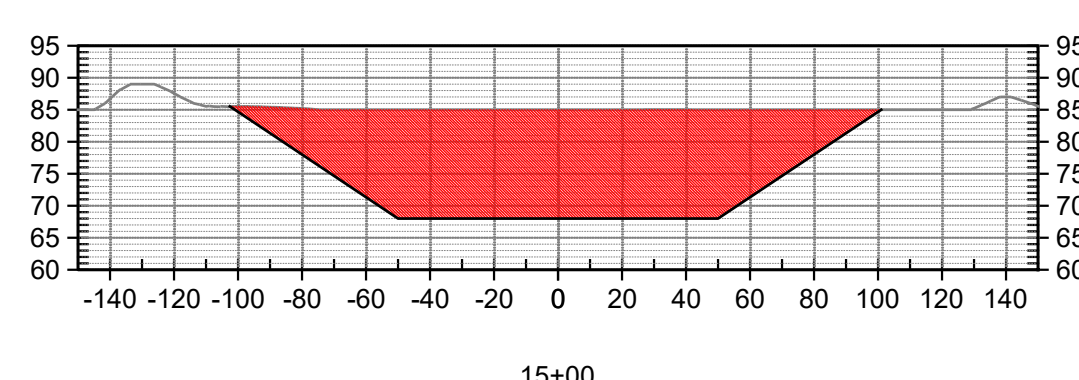
TOTAL VOLUME AT STATION 16+00.00	
CUT AREA	2809.85 SF
CUMULATIVE CUT VOL	96339.88 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	9974.38 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	96318.99 CY



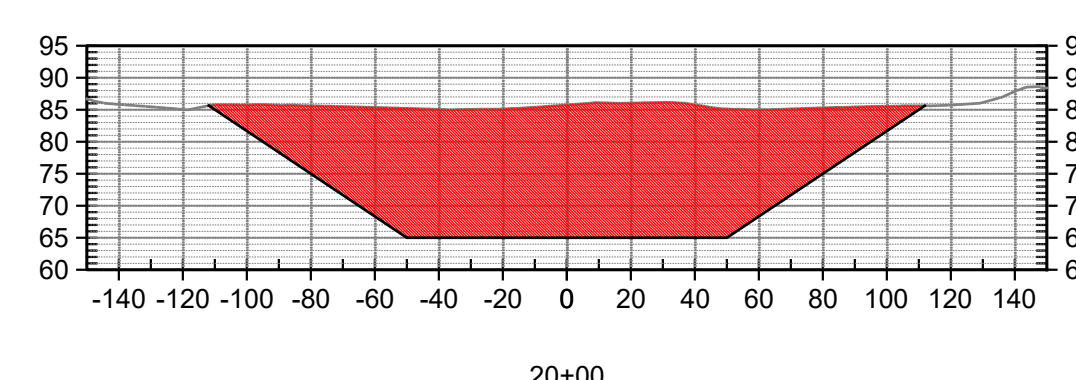
TOTAL VOLUME AT STATION 21+00.00	
CUT AREA	3286.82 SF
CUMULATIVE CUT VOL	153088.33 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	12215.42 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	153066.44 CY



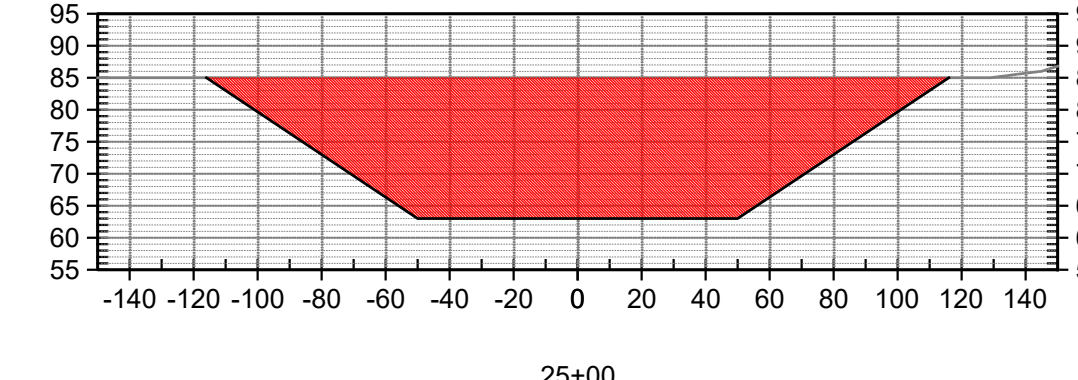
TOTAL VOLUME AT STATION 26+00.00	
CUT AREA	3917.67 SF
CUMULATIVE CUT VOL	218960.83 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	14017.91 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	218938.94 CY



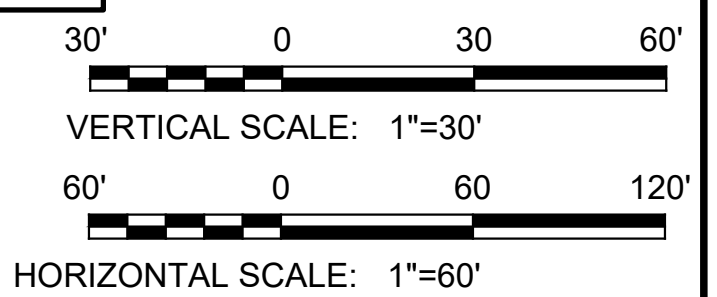
TOTAL VOLUME AT STATION 15+00.00	
CUT AREA	2576.31 SF
CUMULATIVE CUT VOL	86865.61 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	9822.99 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	86843.71 CY




TOTAL VOLUME AT STATION 20+00.00	
CUT AREA	3309.51 SF
CUMULATIVE CUT VOL	140872.91 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	11797.27 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	140851.02 CY



TOTAL VOLUME AT STATION 25+00.00	
CUT AREA	3652.00 SF
CUMULATIVE CUT VOL	204942.82 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	13525.93 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	204921.03 CY

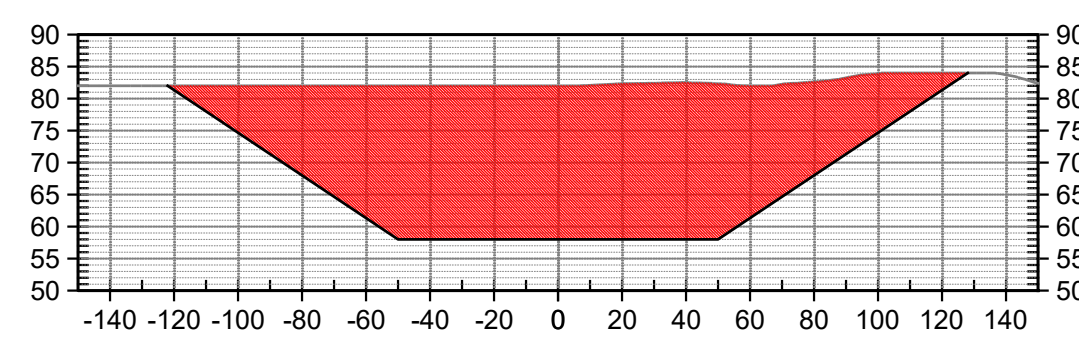




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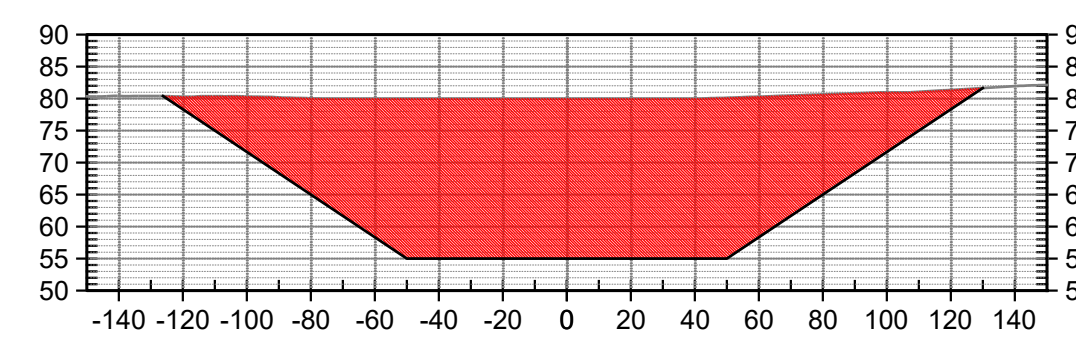
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FRANKLIN, ALABAMA LOWER ALABAMA RIVER FISH PASSAGE GENERAL INVESTIGATION STUDY MILLERS FERRY BYPASS CHANNEL CROSS SECTIONS	
SHEET ID CG305	

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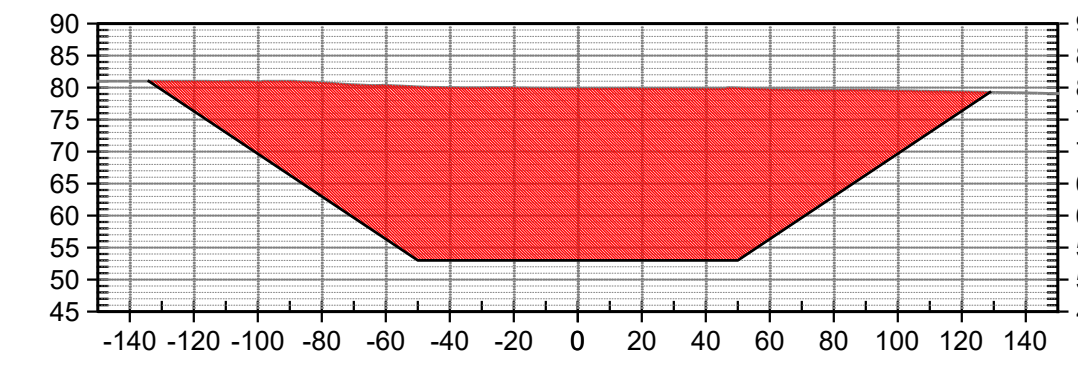
TOTAL VOLUME AT STATION 34+00.00	
CUT AREA	4225.40 SF
CUMULATIVE CUT VOL	337188.85 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	15654.44 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	337166.86 CY

34+00



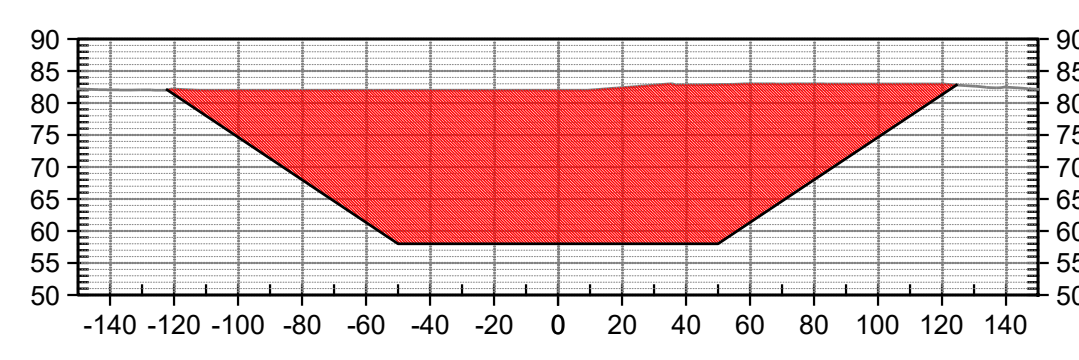
TOTAL VOLUME AT STATION 39+00.00	
CUT AREA	4451.76 SF
CUMULATIVE CUT VOL	418904.61 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16288.04 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	418882.72 CY

39+00



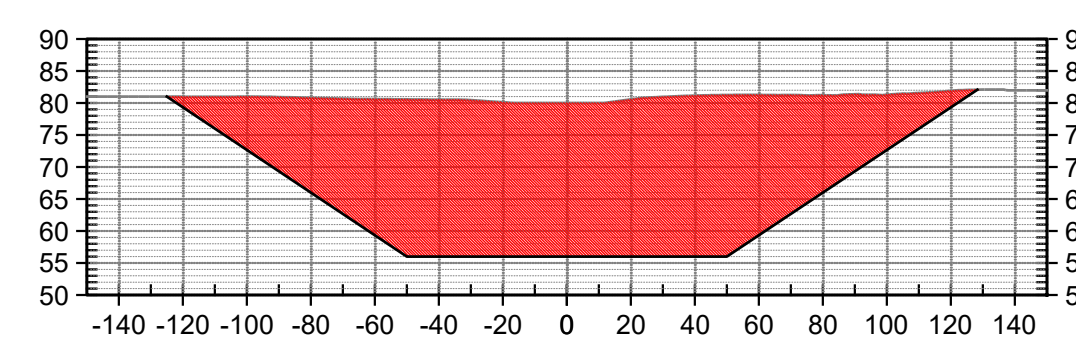
TOTAL VOLUME AT STATION 44+00.00	
CUT AREA	4910.23 SF
CUMULATIVE CUT VOL	505199.19 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	17992.85 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	505177.30 CY

44+00



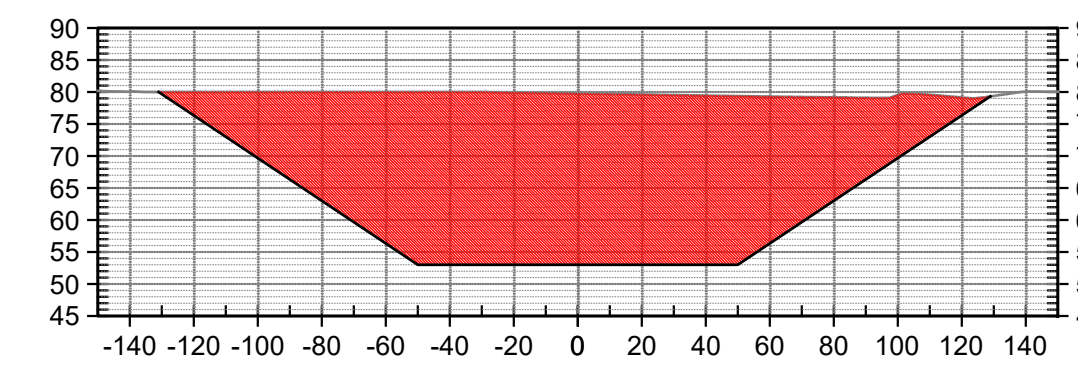
TOTAL VOLUME AT STATION 33+00.00	
CUT AREA	4228.00 SF
CUMULATIVE CUT VOL	321534.41 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	15308.89 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	321512.52 CY

33+00



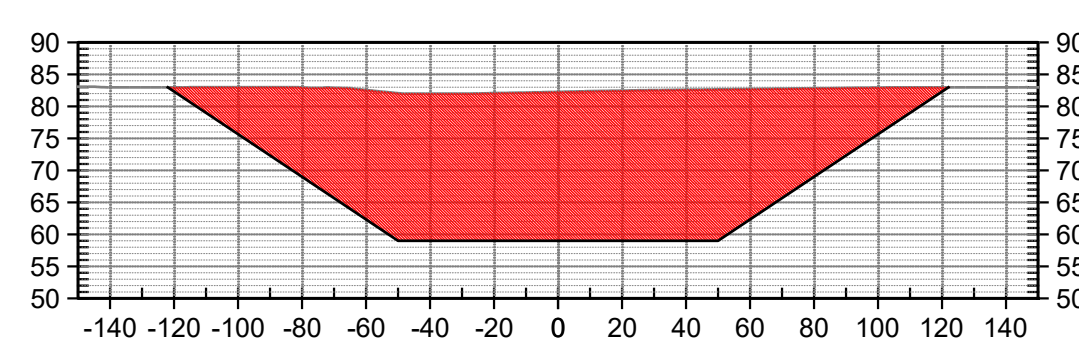
TOTAL VOLUME AT STATION 38+00.00	
CUT AREA	4343.78 SF
CUMULATIVE CUT VOL	402616.57 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16283.47 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	402594.68 CY

38+00



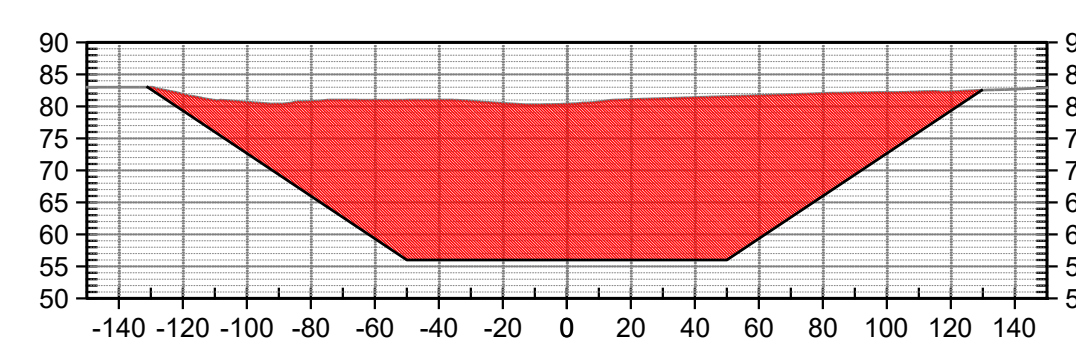
TOTAL VOLUME AT STATION 43+00.00	
CUT AREA	4805.91 SF
CUMULATIVE CUT VOL	487206.34 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	17654.21 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	487184.45 CY

43+00



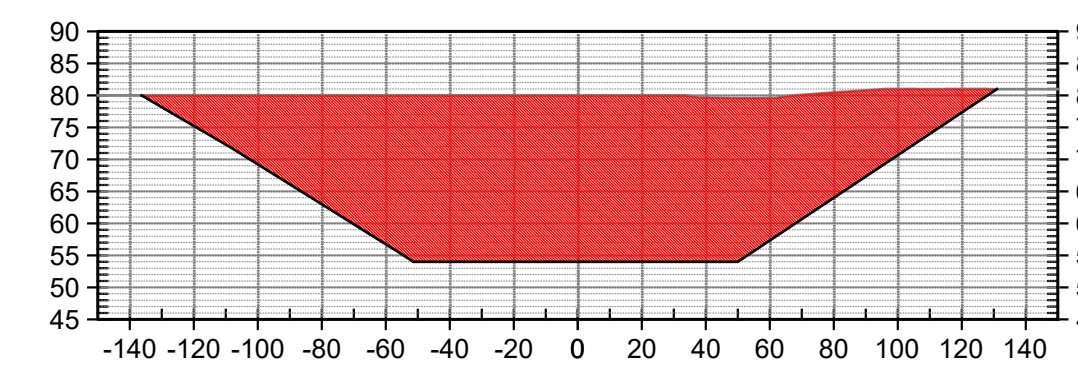
TOTAL VOLUME AT STATION 32+00.00	
CUT AREA	4038.80 SF
CUMULATIVE CUT VOL	306225.53 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	15020.59 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	306203.64 CY

32+00



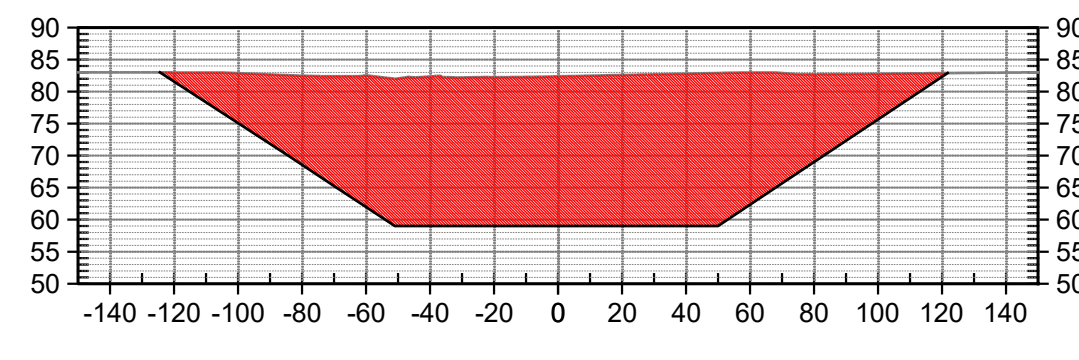
TOTAL VOLUME AT STATION 37+00.00	
CUT AREA	4449.30 SF
CUMULATIVE CUT VOL	386333.10 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16491.91 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	386311.21 CY

37+00



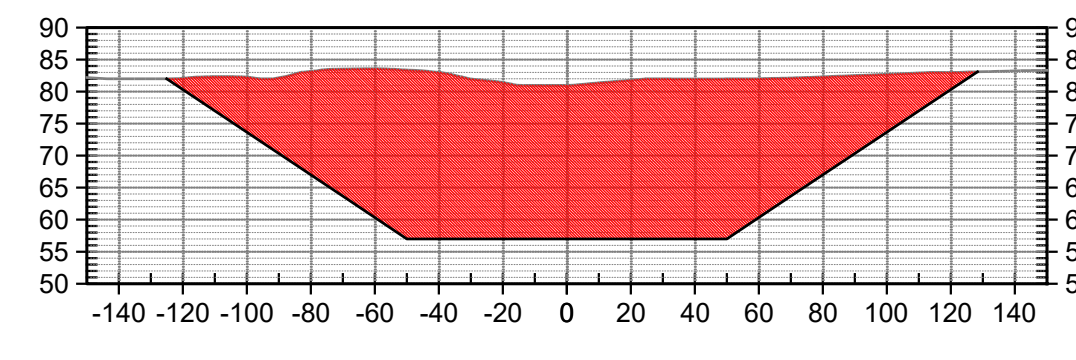
TOTAL VOLUME AT STATION 42+00.00	
CUT AREA	4772.49 SF
CUMULATIVE CUT VOL	469552.13 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	17419.43 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	469530.24 CY

42+00



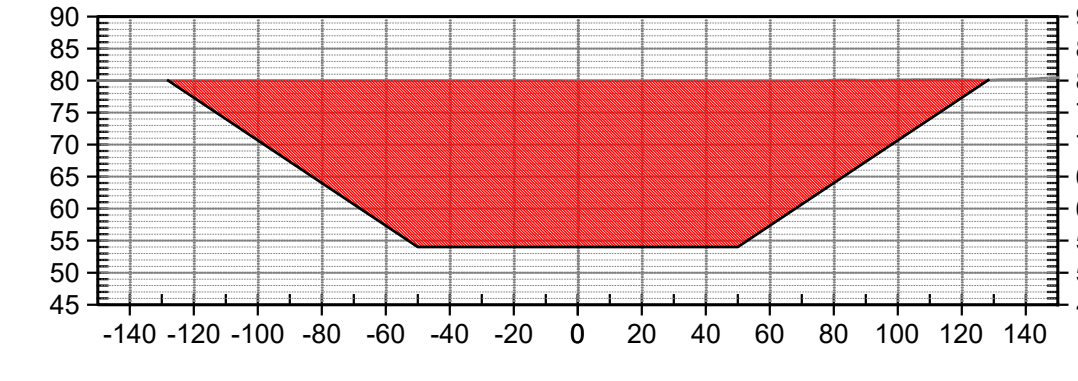
TOTAL VOLUME AT STATION 31+00.00	
CUT AREA	4075.90 SF
CUMULATIVE CUT VOL	291204.94 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	14746.07 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	291183.05 CY

31+00



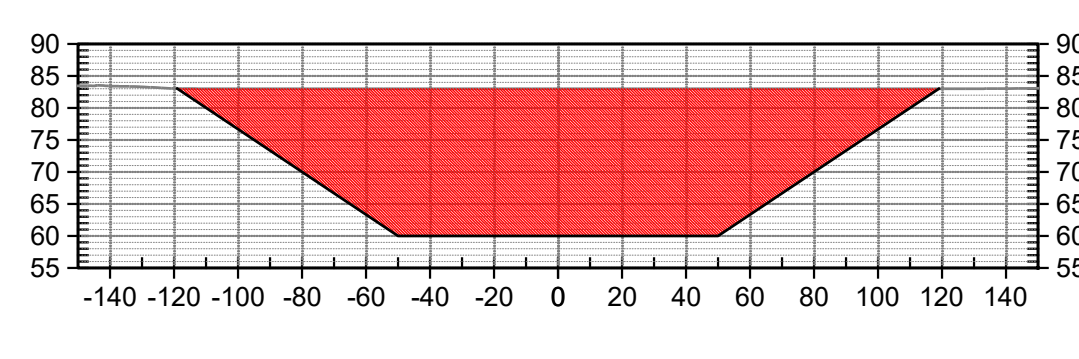
TOTAL VOLUME AT STATION 36+00.00	
CUT AREA	4456.34 SF
CUMULATIVE CUT VOL	369841.18 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16539.99 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	369819.29 CY

36+00



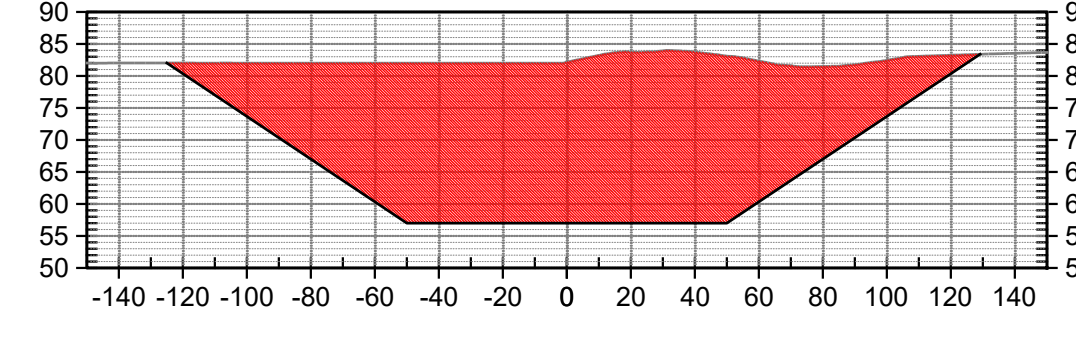
TOTAL VOLUME AT STATION 41+00.00	
CUT AREA	4634.00 SF
CUMULATIVE CUT VOL	452132.70 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16782.78 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	452110.81 CY

41+00



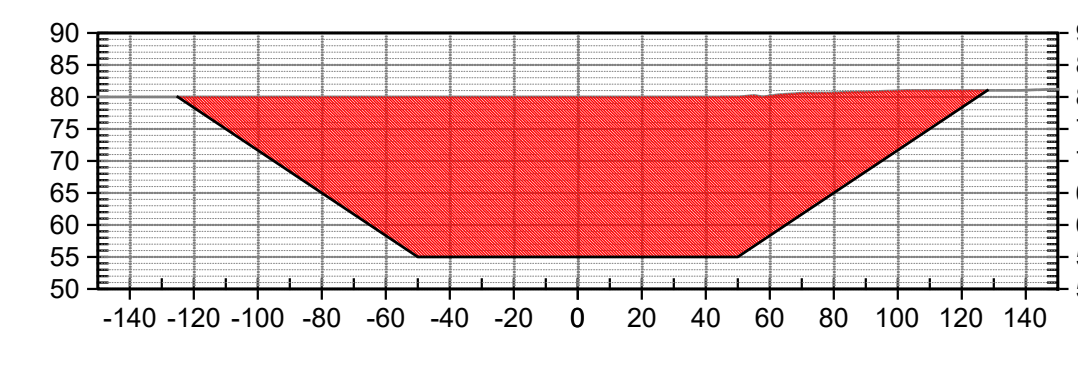
TOTAL VOLUME AT STATION 30+00.00	
CUT AREA	3886.98 SF
CUMULATIVE CUT VOL	276458.88 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	14455.78 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	276436.98 CY

30+00



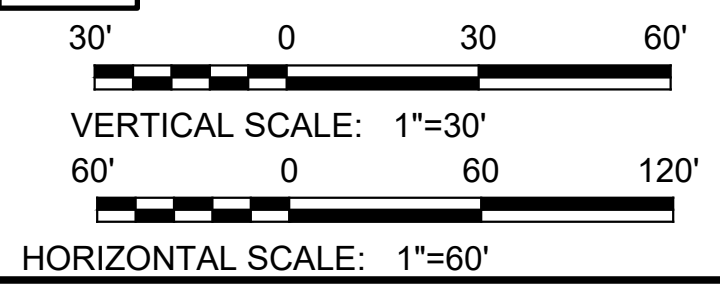
TOTAL VOLUME AT STATION 35+00.00	
CUT AREA	4475.26 SF
CUMULATIVE CUT VOL	353301.19 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16112.34 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	353279.30 CY

35+00



TOTAL VOLUME AT STATION 40+00.00	
CUT AREA	4428.70 SF
CUMULATIVE CUT VOL	435349.91 CY
CUMULATIVE FILL VOL	21.89 CY
CUT VOL	16445.31 CY
FILL AREA	0.00 SF
FILL VOL	0.00 CY
NET VOL	435328.02 CY

40+00



US Army Corps of Engineers

DESIGNED BY: J. CAPE CHECKED BY: J. CAPE SUBMITTED BY: J. CAPE SIZE: ANS I	ISSUE DATE: 08/11/11 SOLICITATION NO.: CONTRACT NO.: PROJECT NUMBER: CHB22001 FILE NAME: CHB22001-CG306
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FRANKLIN, ALABAMA
LOWER ALABAMA RIVER FISH PASSAGE
GENERAL INVESTIGATION STUDY

MILLERS FERRY BYPASS CHANNEL
CROSS SECTIONS

SHEET ID
CG306

