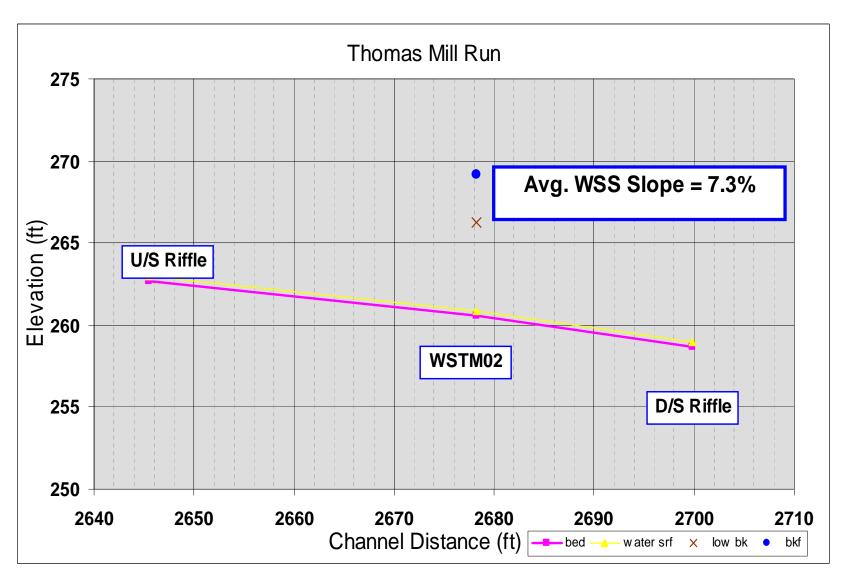
APPENDIX A

FLUVIAL GEOMORPHOLOGY INFORMATION



Section WSTM-02

Philadelphia
Drainage Area = 0.07 mi²
04/19/2005







XS - DSL to DSR

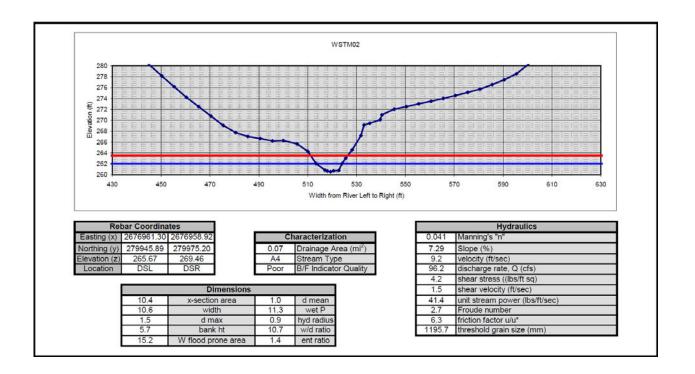
Upstream View

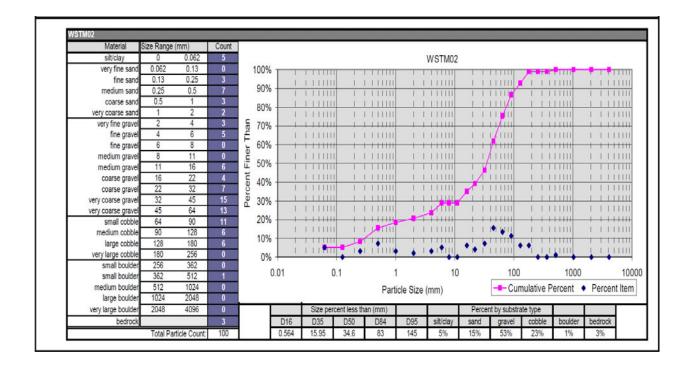


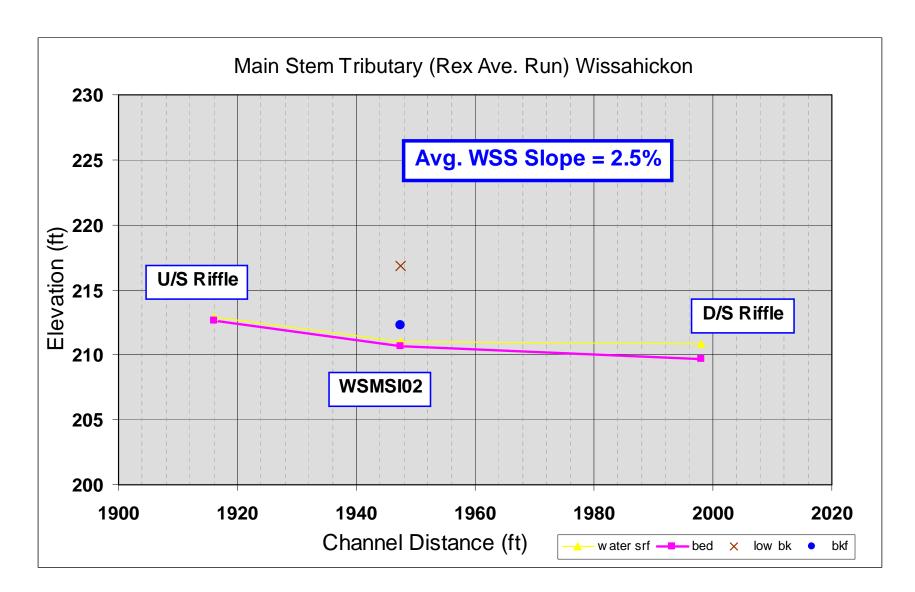
Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right







Section WSMSI-02

Philadelphia
Drainage Area = 0.16 mi²
04/19/2005







XS - DSL to DSR

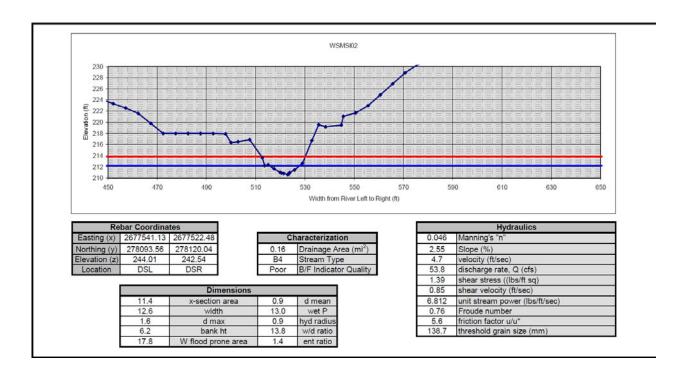
Upstream View

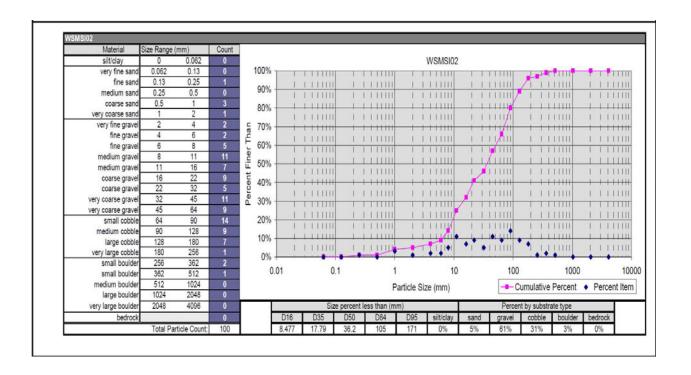


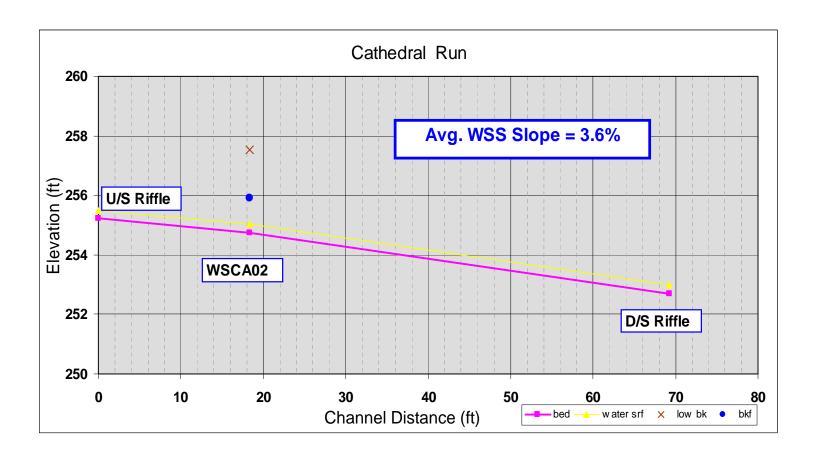
Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right







Section WSCA-02

Philadelphia
Drainage Area = 0.16 mi²
04/21/02



XS - DSR to DSL

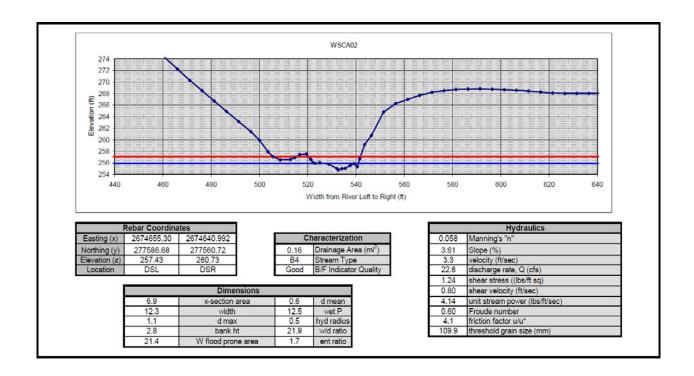


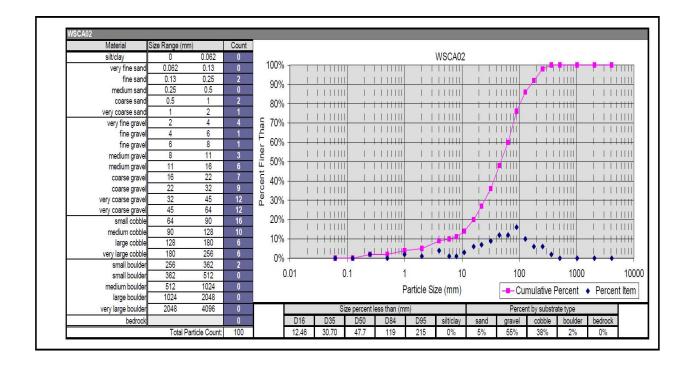
XS - DSL to DSR

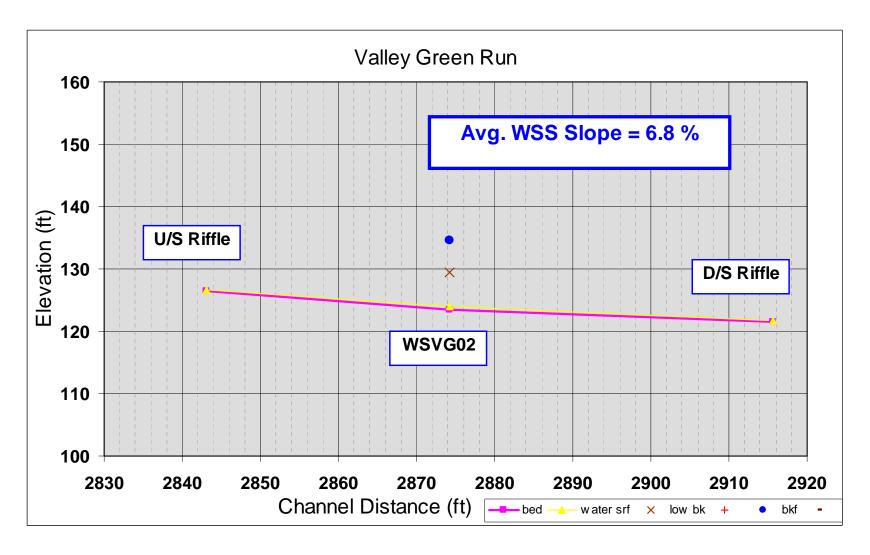




XS = cross section / DSL = Downstream Left / DSR = Downstream Right







Section WSVG-02

Philadelphia Township Drainage Area = 0.19 mi² 11/01/2005



XS - DSR to DSL



XS - DSL to DSR

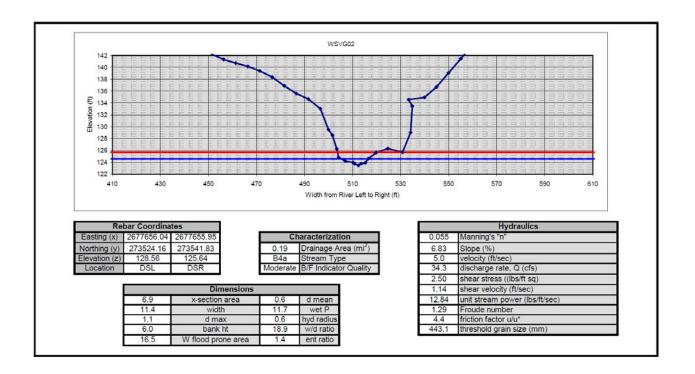
Upstream View

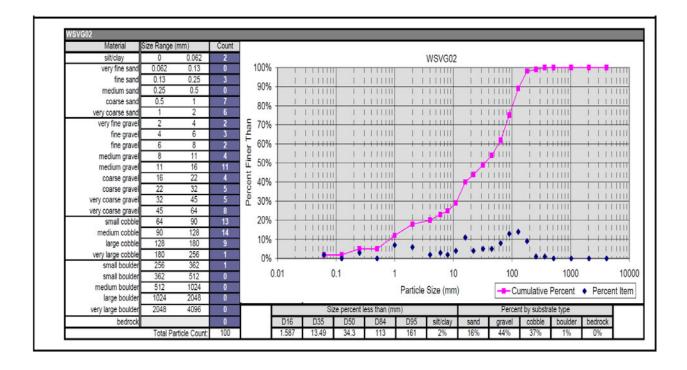


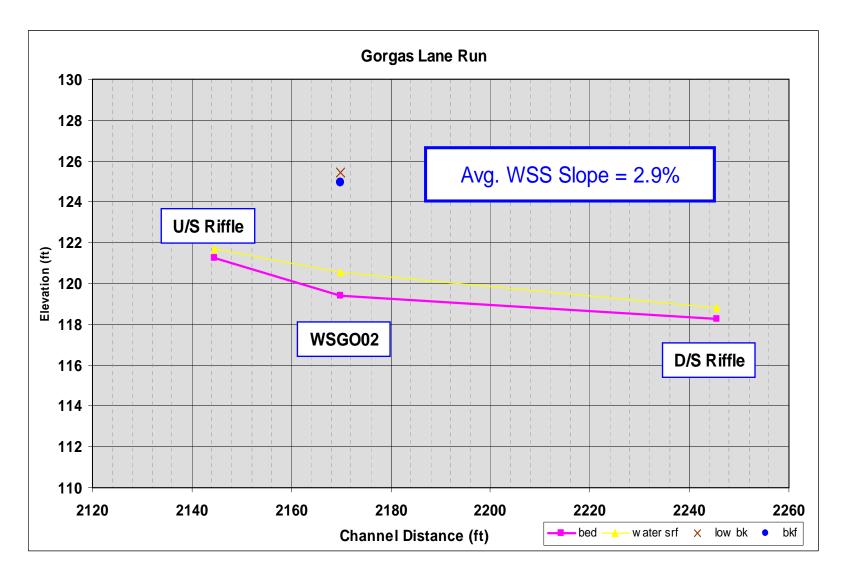
Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right







Section WSGO-02

Philadelphia
Drainage Area = 0.62 mi²
04/28/2005



XS - DSR to DSL



XS - DSL to DSR

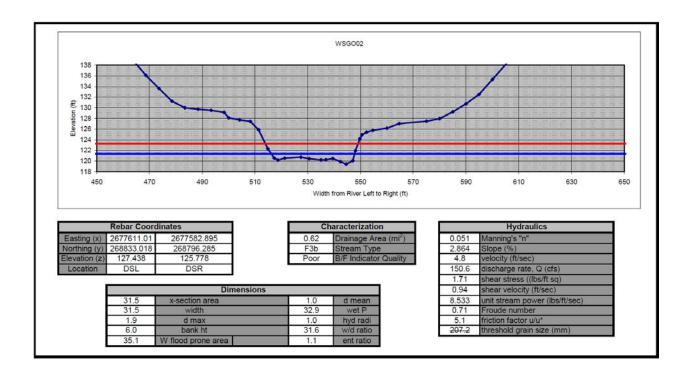
Upstream View

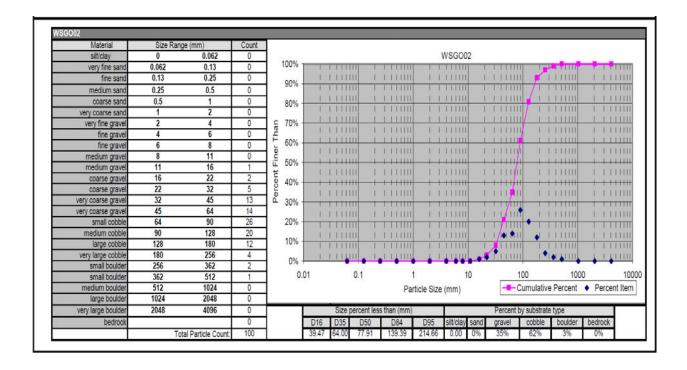


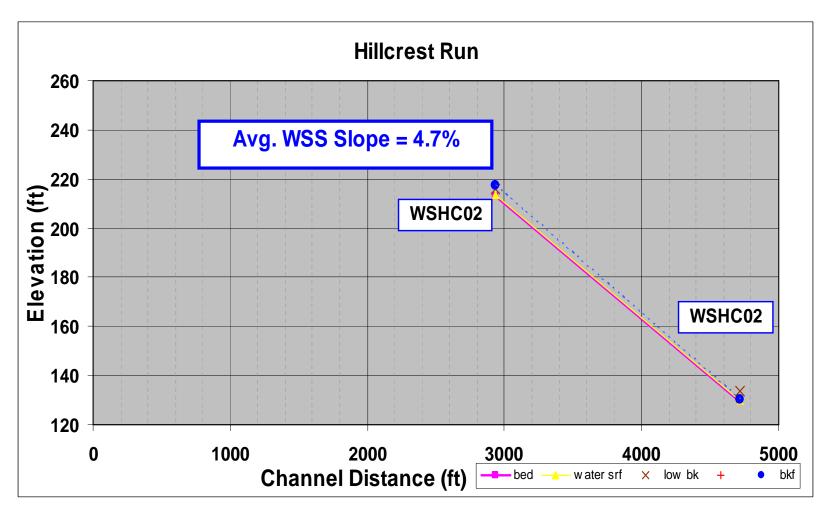
Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right







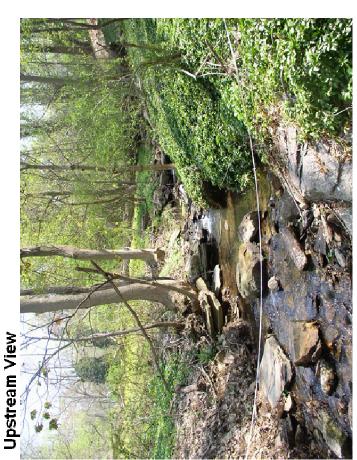
Section WSHC-02 Philadelphia Drainage Area = 0.01 mi² 04/19/2005



XS - DSR to DSL

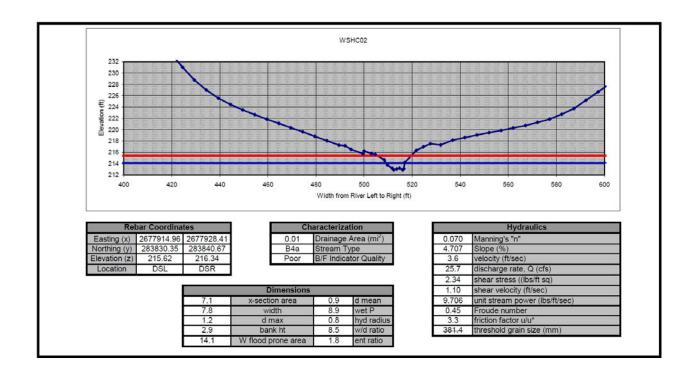


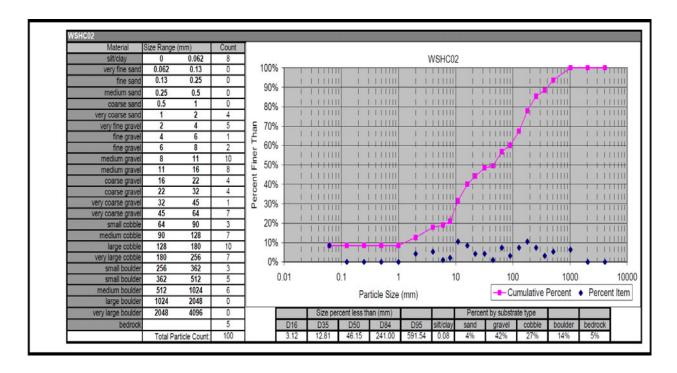
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Philadelphia Drainage Area = 0.25 mi² 09/30/2005



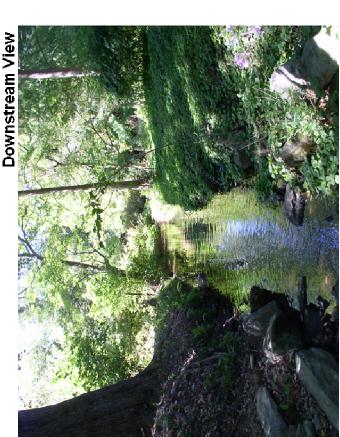
XS-DSR to DSL

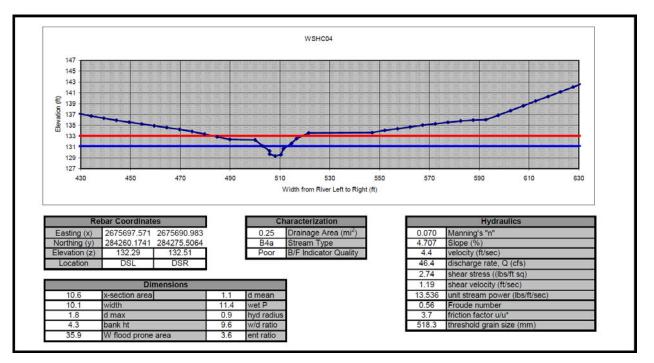


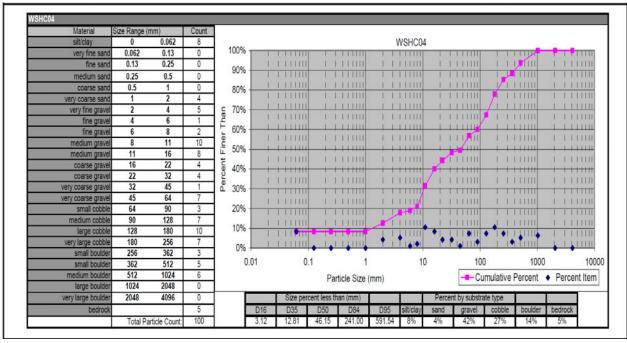
XS-DSL to DSR



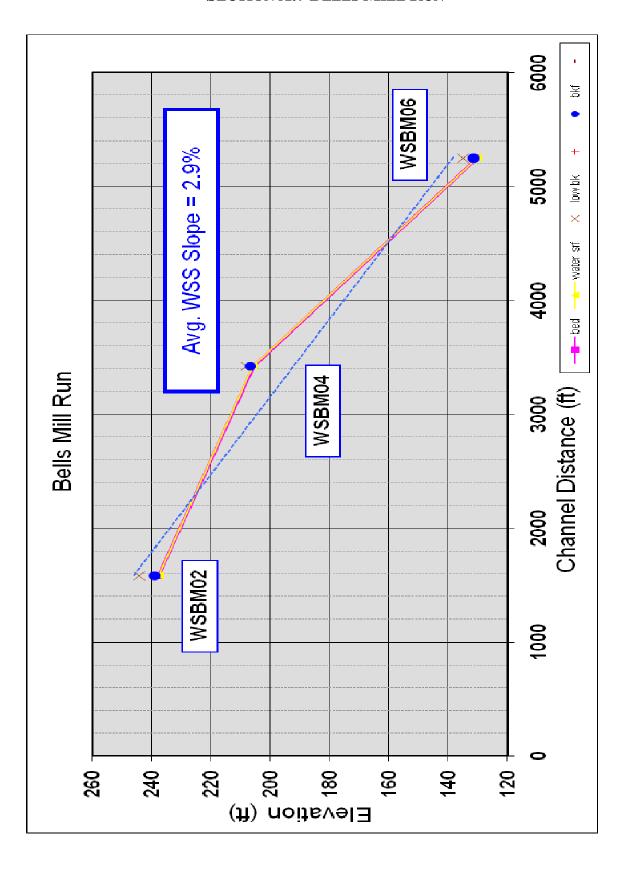
XS = cross section / DSL = Downstream Left / DSR = Downstream Right







SECTION A.7 BELLS MILL RUN



Section WSBM-02 Philadelphia Drainage Area = 0.19 mi² 04/19/2005



XS - DSR to DSL

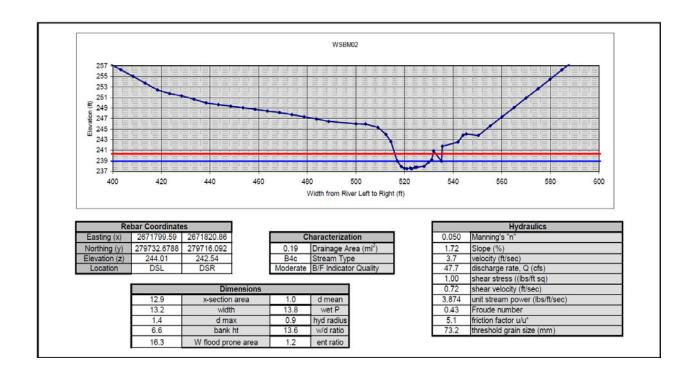


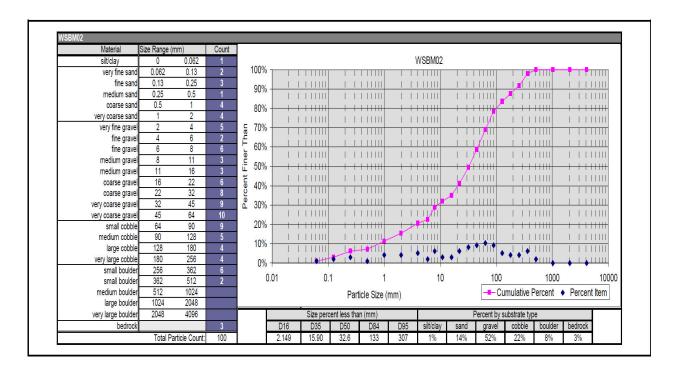
XS-DSL to DSR



Downstream View

XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSBM-04

Philadelphia Drainage Area = 0.30 mi² 04/19/2005

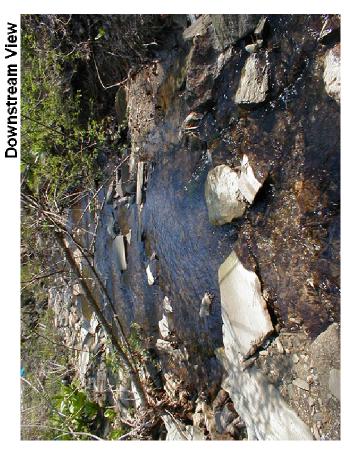


XS - DSR to DSL

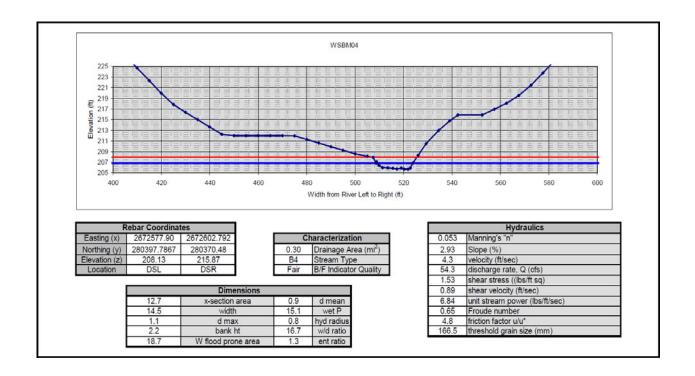


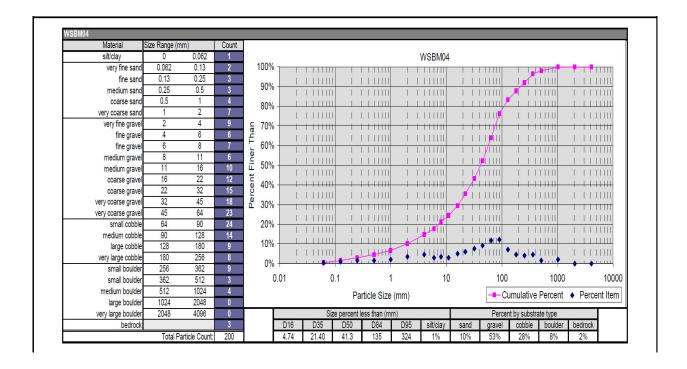
XS-DSL to DSR





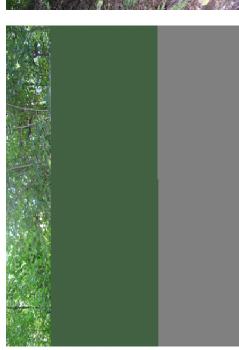
XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSBM-06

Philadelphia Drainage Area = 0.51 mi² 09/29/2005

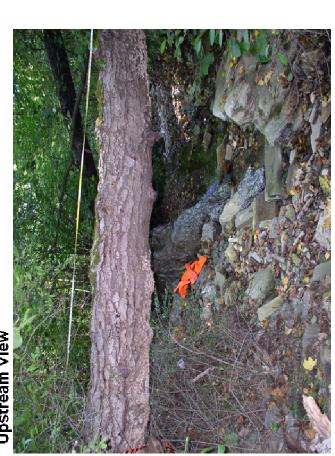


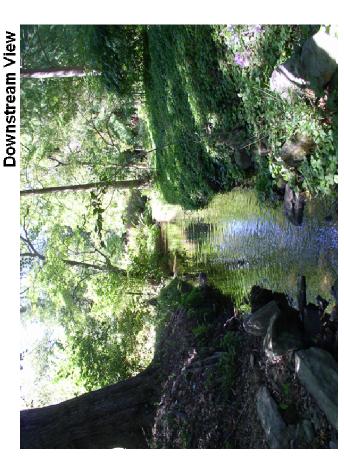
XS-DSR to DSL



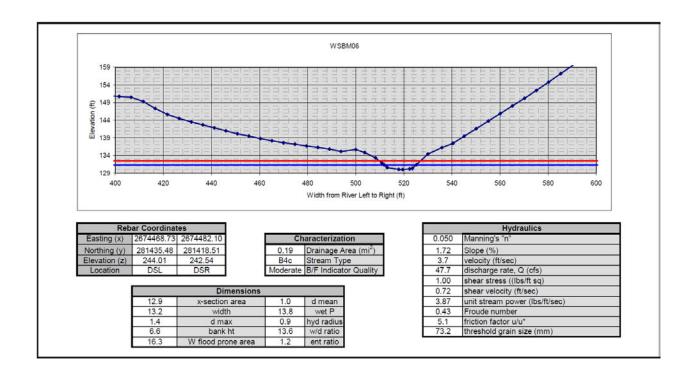
XS-DSL to DSR

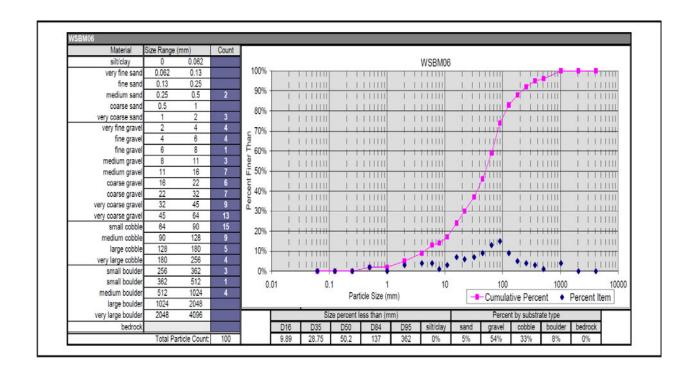




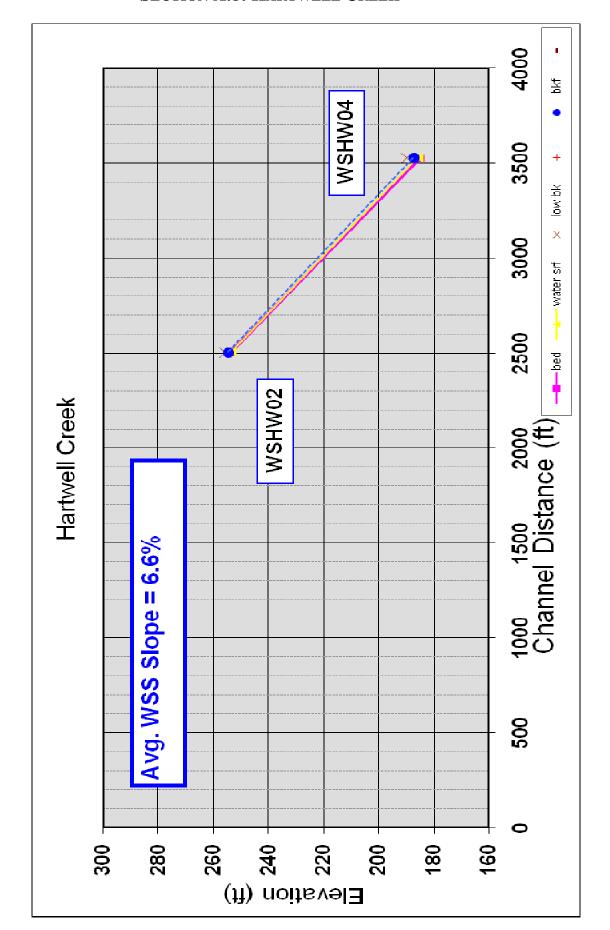


XS = cross section / DSL = Downstream Left / DSR = Downstream Right





SECTION A.8: HARTWELL CREEK



Section WSHW-02

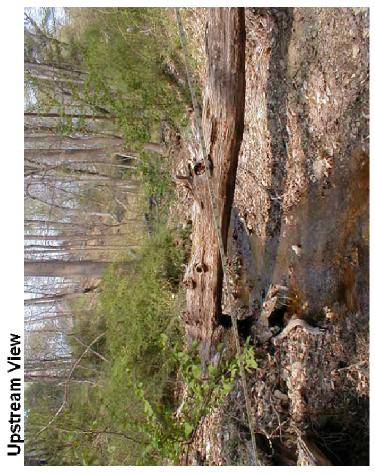
Philadelphia Drainage Area = 0.00 mi² 04/20/2005



XS - DSR to DSL

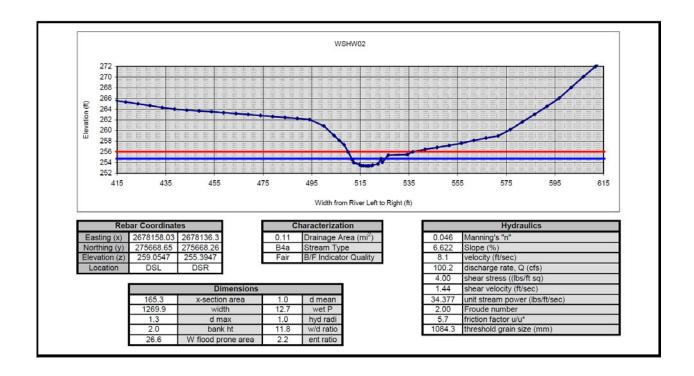


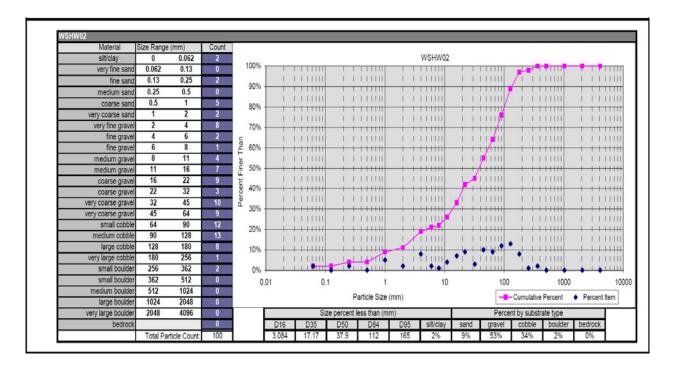
XS-DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





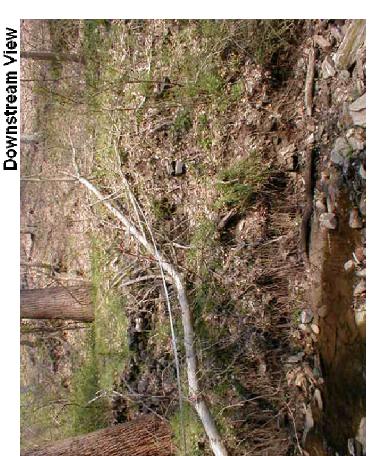
Philadelphia Drainage Area = 0.21 mi² 04/20/2005



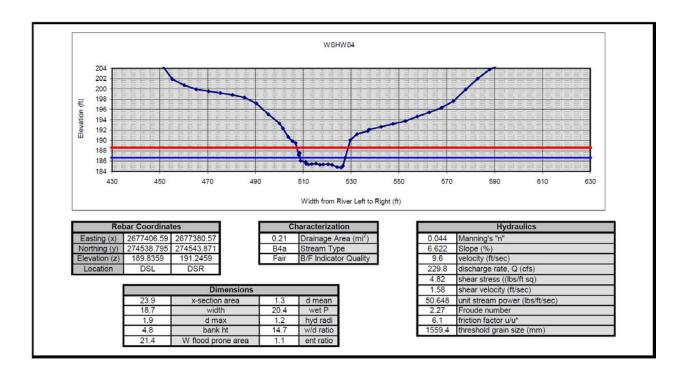
XS - DSR to DSL

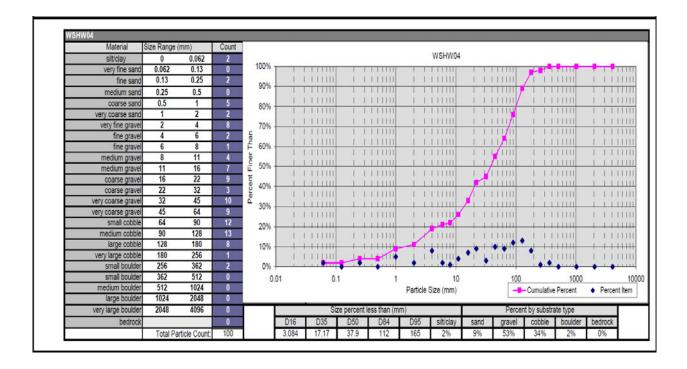




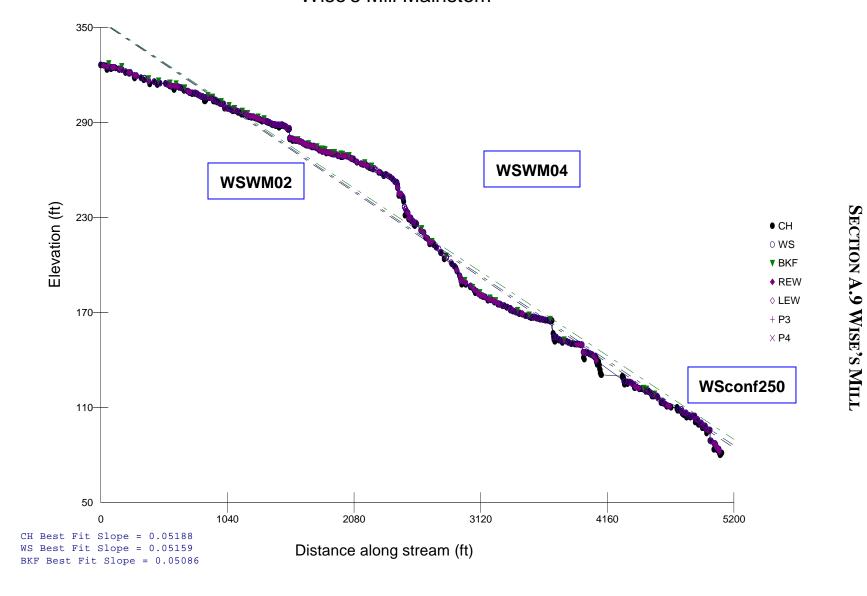


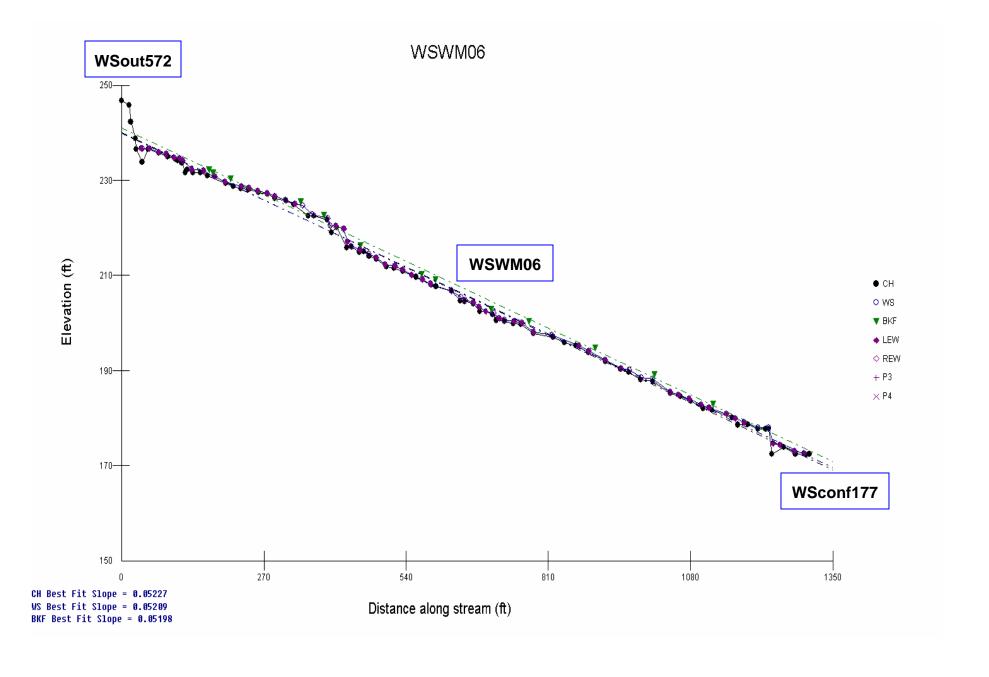
XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Wise's Mill Mainstem





Section WSWM-02

Philadelphia Township Drainage Area = 0.28 mi² 04/21/2005



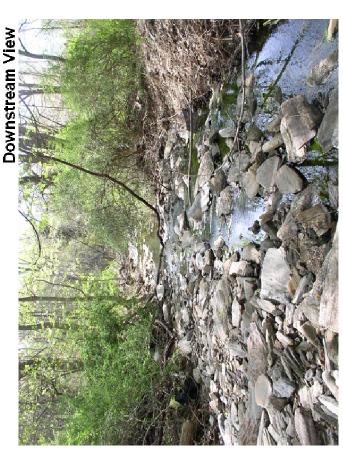
XS – DSR to DSL

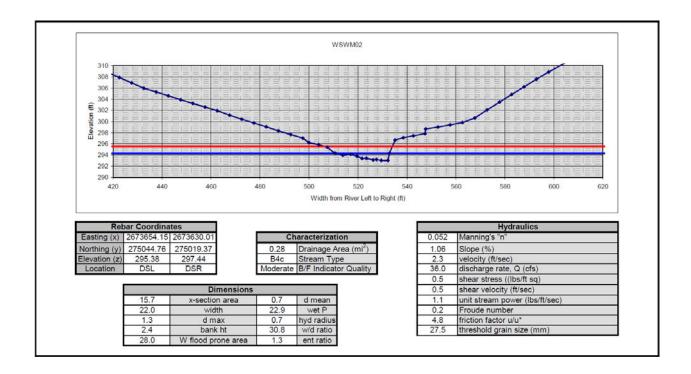


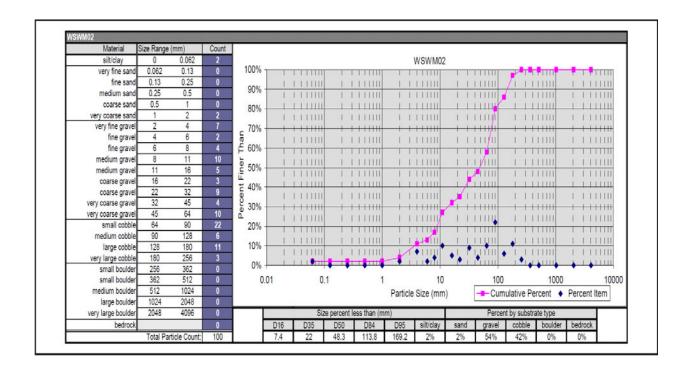
XS-DSL to DSR











Section WSWM-04

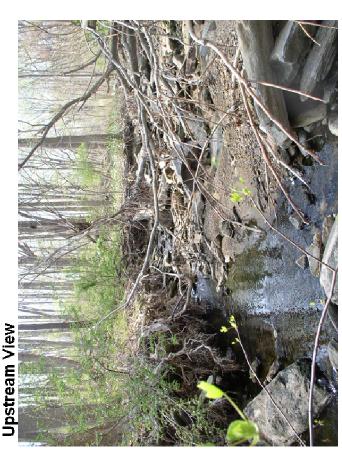
Philadelphia Township
Drainage Area = 0.35 mi²
04/19/2005

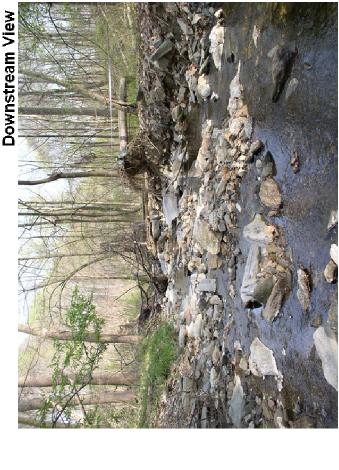


XS-DSR to DSL

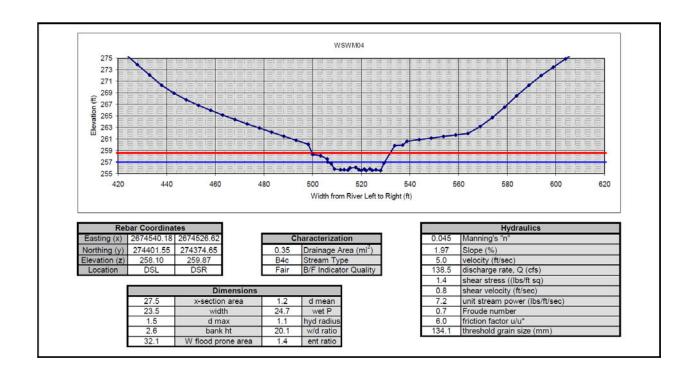


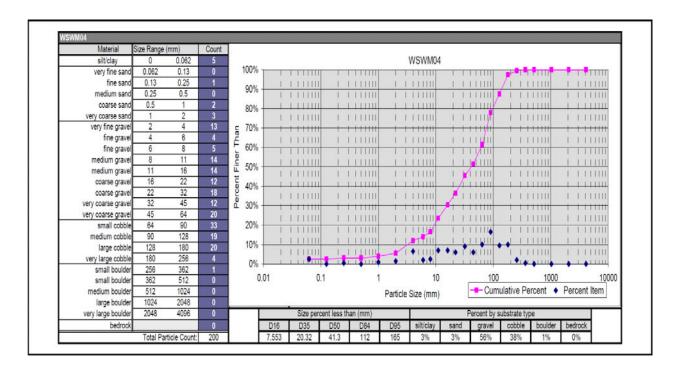
XS-DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSWM-06 Philadelphia Township Drainage Area = 0.56 mi² 04/21/2005

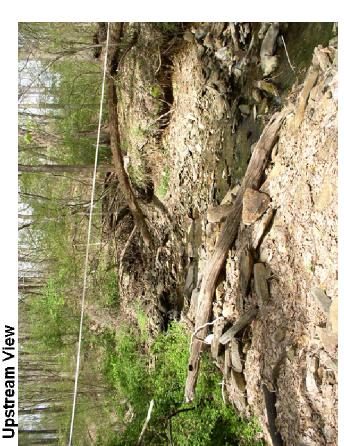


XS - DSR to DSL

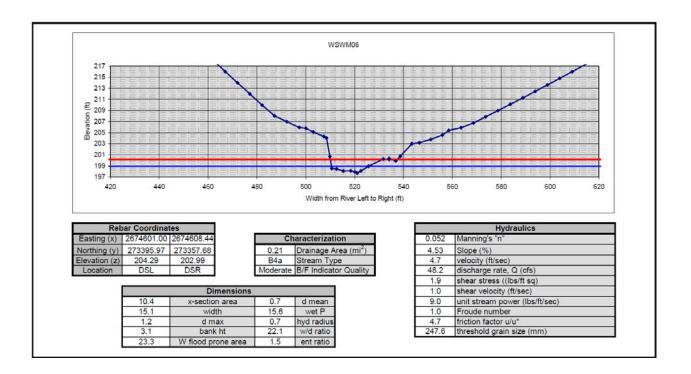


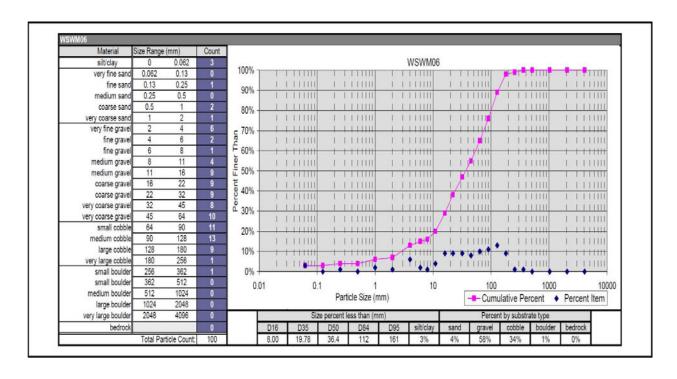
XS-DSL to DSR

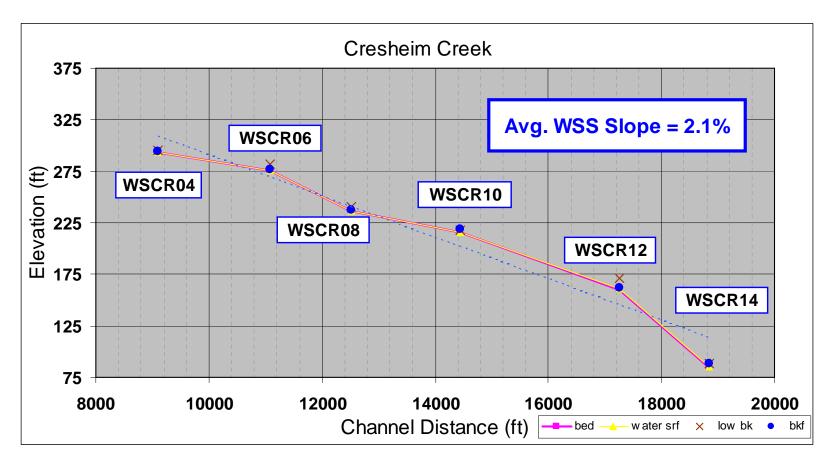
Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right







Section

WSCR-04

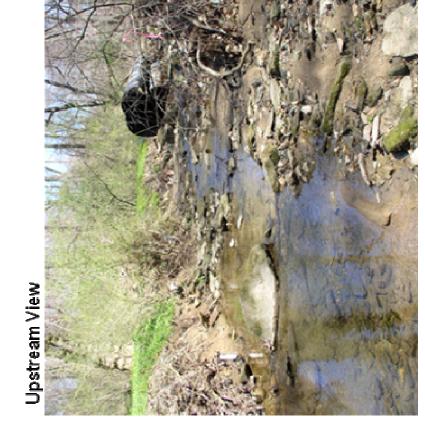
Philadelphia Drainage Area = 0.71 mi² 04/12/2005

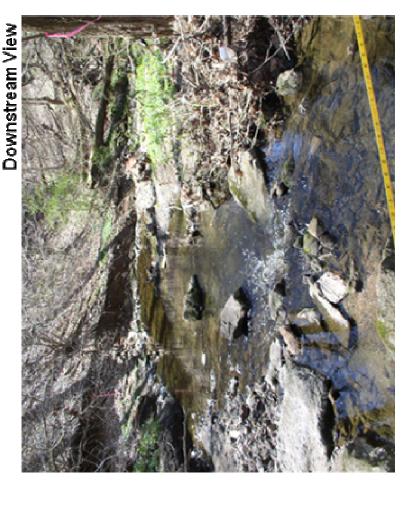


XS-DSR to DSL

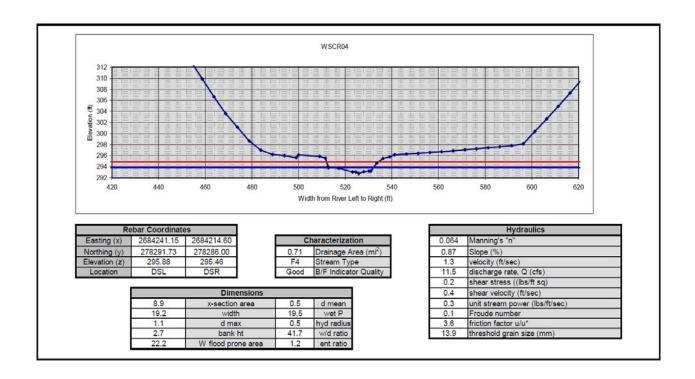


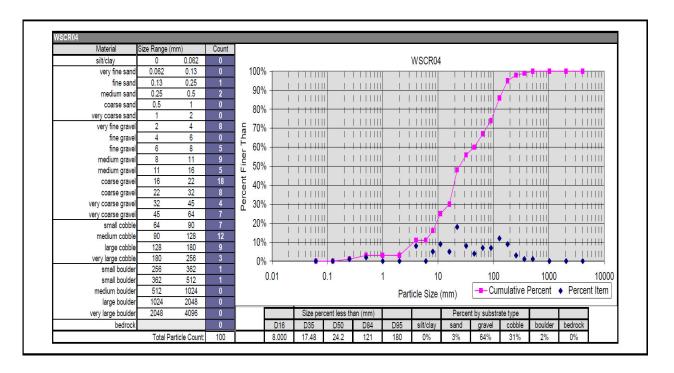
XS - DSL to DSR





 $XS = cross\ section \cdot DSL = Downstream Left \quad DSR = Downstream Right$





Section

WSCR-06

Philadelphia Drainago Aroa = 1.43 mi² 04/12/2005

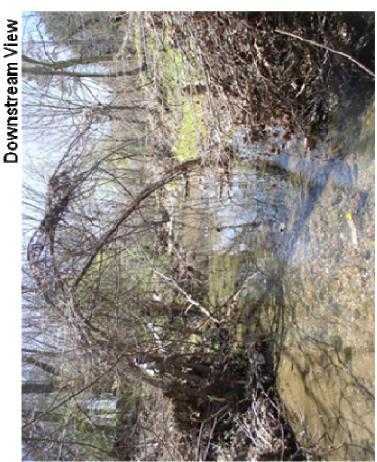


XS - DSRto DSL

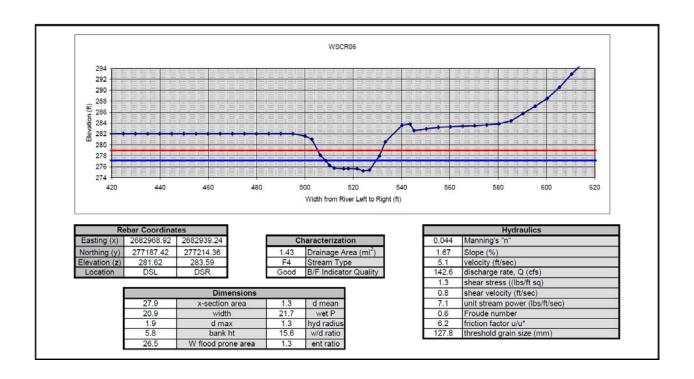


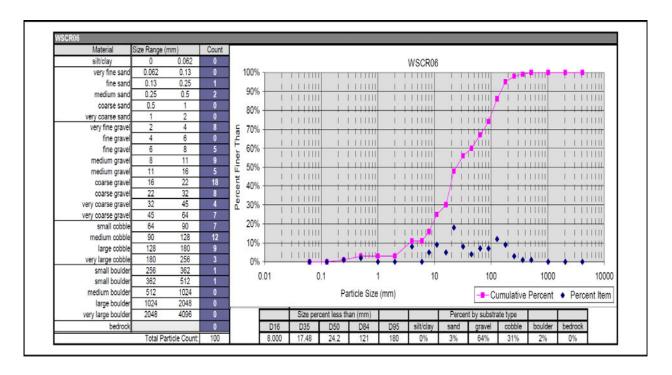
XS-DSL to DSR





XS = cross section · DSL = DownstreamLeft DSR = DownstreamRight





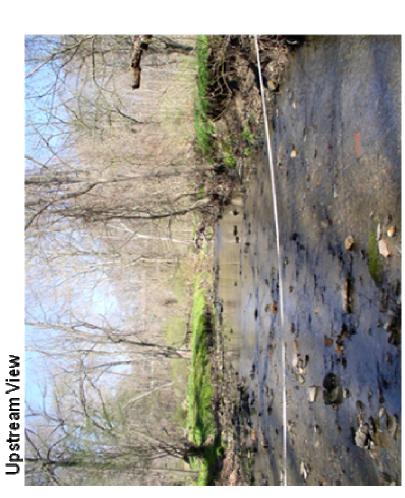
Section WSCR-08 Philadelphia Drainage Area = 1.86 mi² 04/12/2005



XS-DSR to DSL

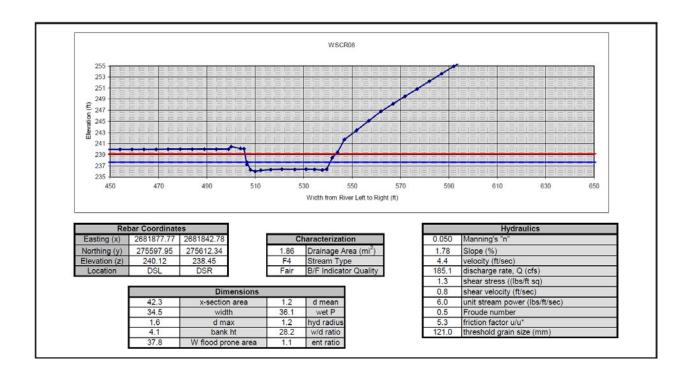


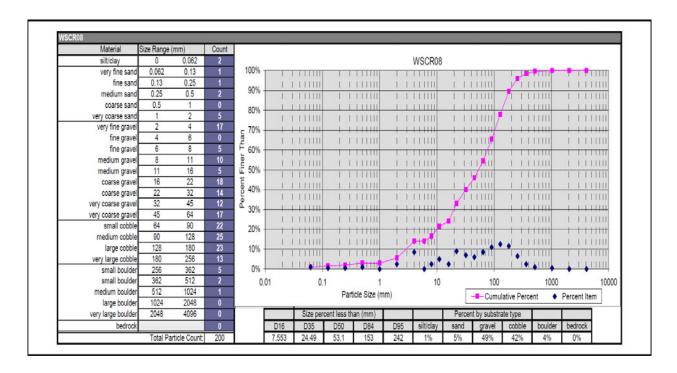
XS-DSL to DSR





XS = cross section · DSL = DownstreamLeft DSR = DownstreamRight





Section

WSCR-10

Philadolphia Drainage Area = 1,55 mi² 04/12/2005

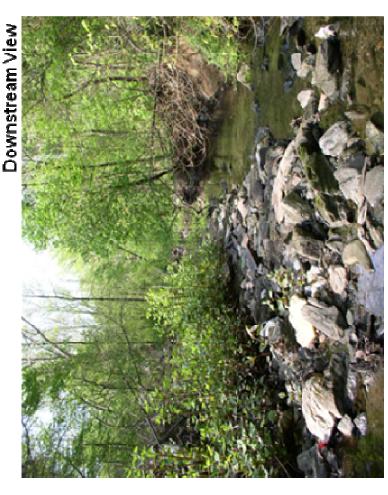


XS-DSRto DSL

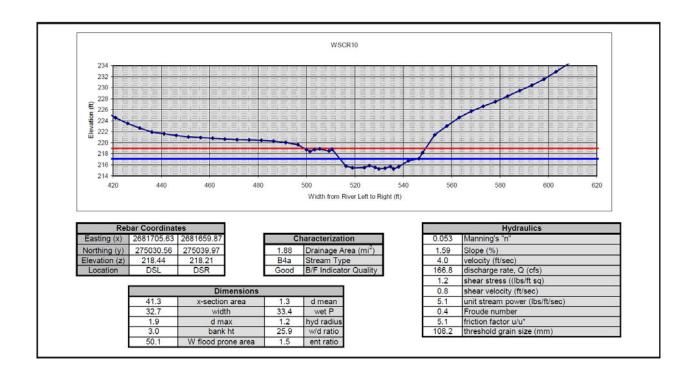


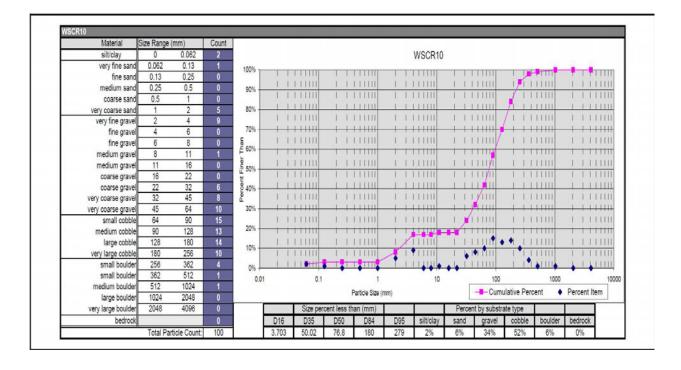
XS-DSL to DSR





XS = cross section · DSL = DownstreamLeft DSR = DownstreamRight





Section

WSCR-12

Fhiladelphia Drainage Area = 2.20 mi² 04/12/2005



XS-DSRto DSL

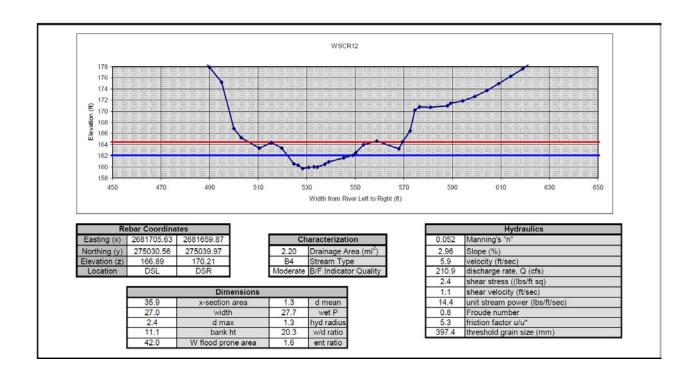


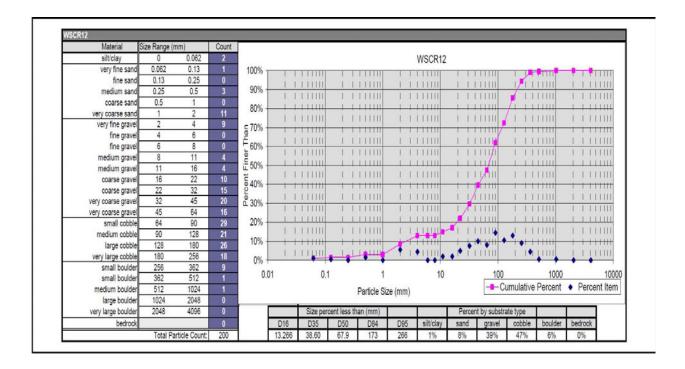
XS-DSL to DSR





X5 = cross section · DSL = DownsteamLeft DSR = DownsteamRight





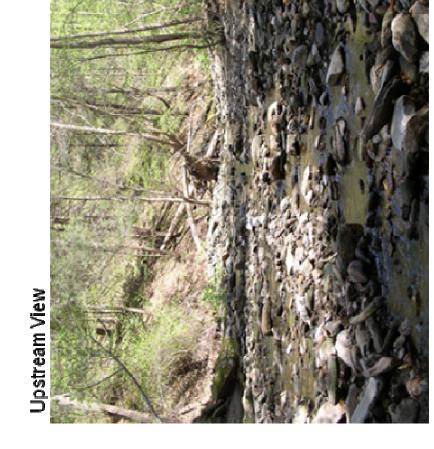
Section WSCR-14 Philadelphia Drainage Area = 2,39 mi² 04/12/2005



XS-DSR to DSL

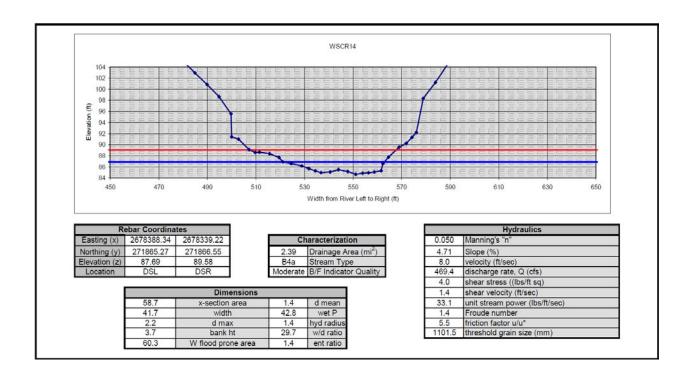


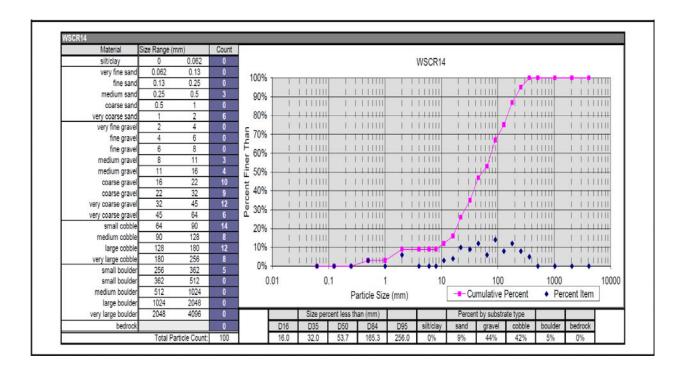
XS-DSL to DSR

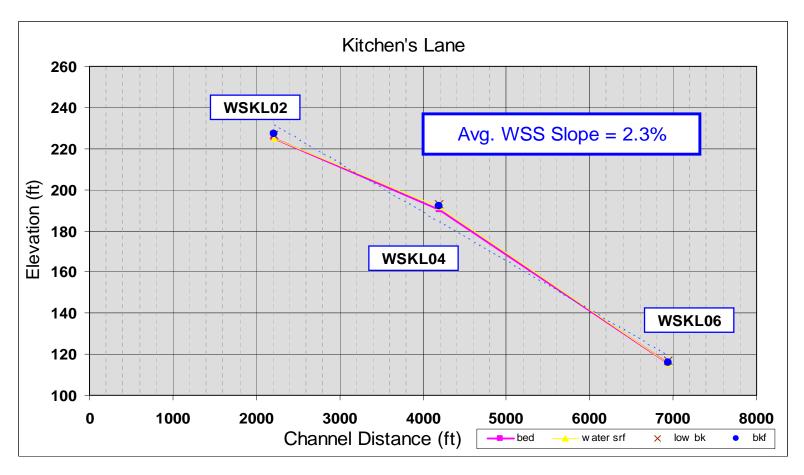




XS= closs section · DSL = Downstream Left DSR = Downstream Right







Section

WSKL-02

Philadelphia Drainage Area = 0.10 m i² 04/28/2005



XS - DSR to DSL

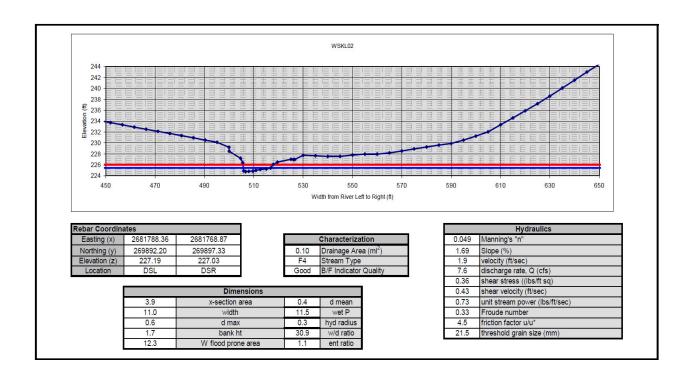


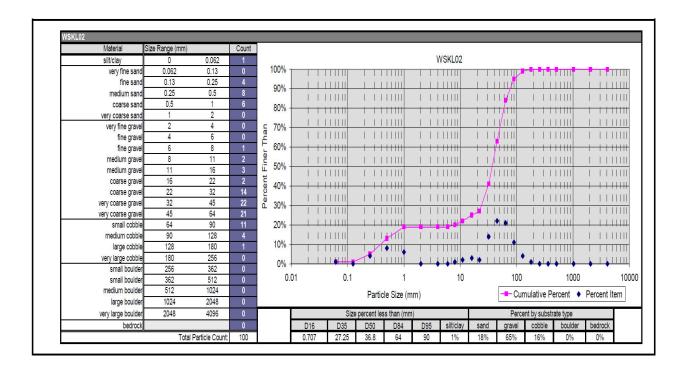
XS-DSL to DSR





XS = cross section · DSL = DownstreamLeft DSR = DownstreamRight





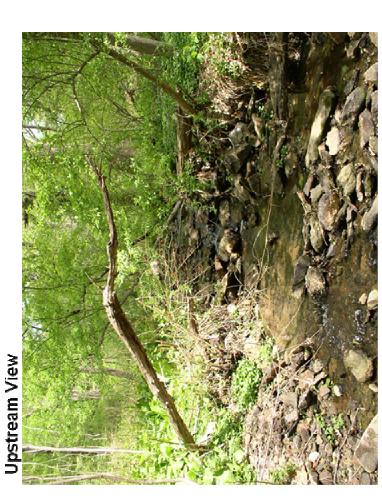
Section WSKL-04 Philadelphia Drainage Area = 0.22 mi² 04/28/2005



XS - DSR to DSL

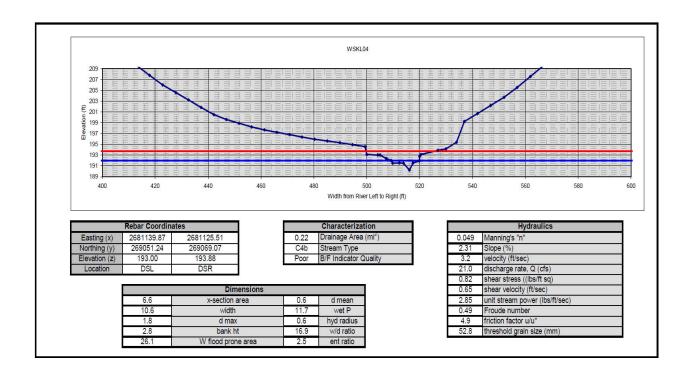


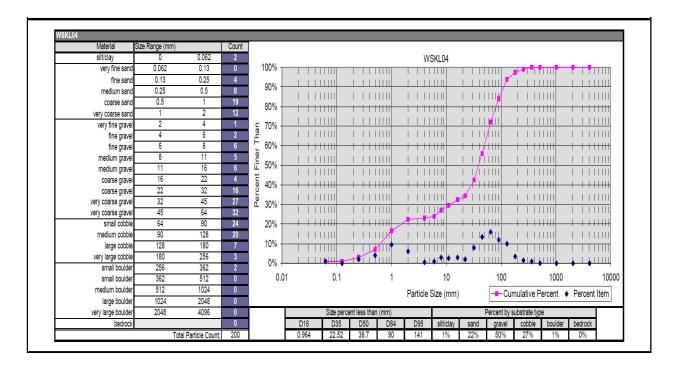
XS-DSL to DSR





XS = cross section / DSL = Downstream Left! DSR = Downstream Right





Section WSKL-06

Philadelphia
Drainage Area = 0.28 mi²
04/28/2005



XS-DSR to DSL



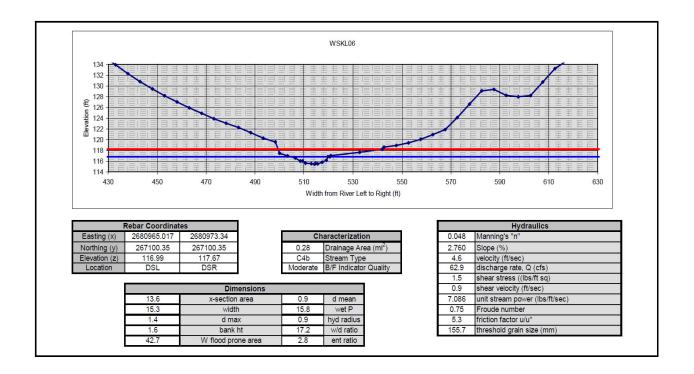
Downstream View

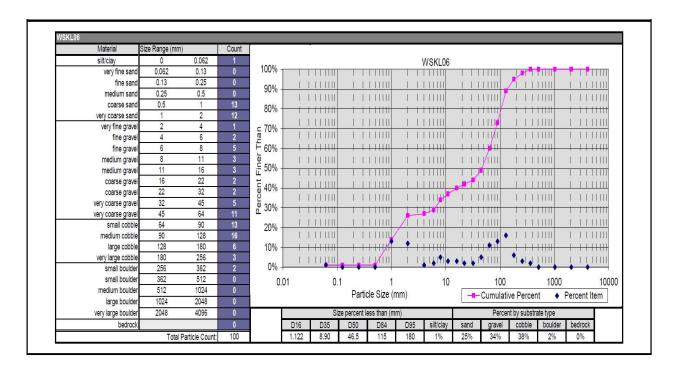
XS-DSL to DSR

Upstream View

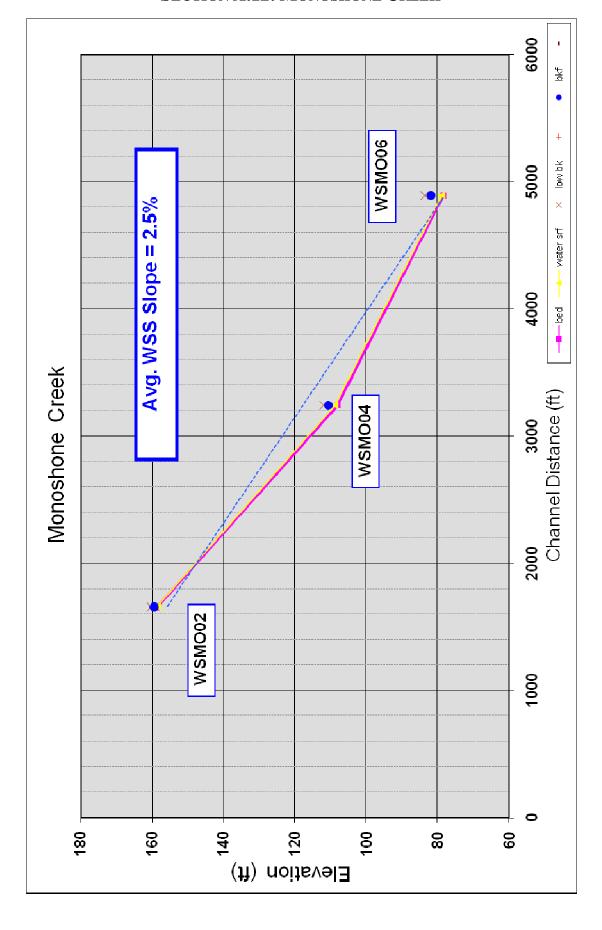


XS = cross section / DSL = Downstream Left / DSR = Downstream Right





SECTION A.12: MONOSHONE CREEK



Section WSMO-02 Philadelphia Drainage Area = 0.99 mi² 05/03/2005

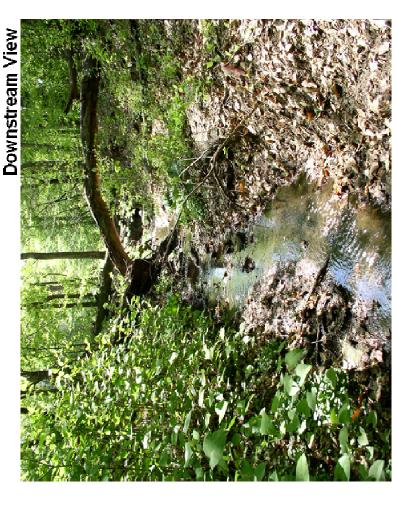


XS-DSR to DSL

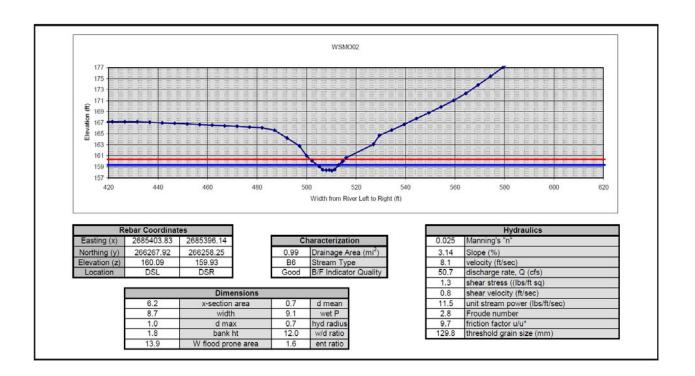


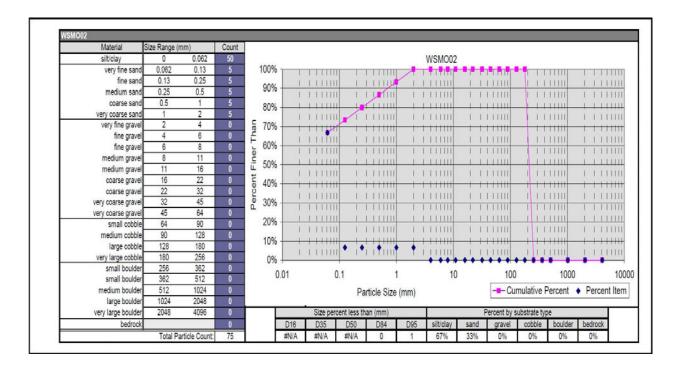
XS-DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right



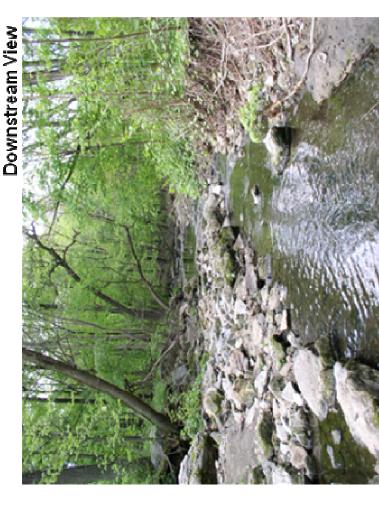


Section WSMO-04 Philadelphia Drainage Area = 1.23 mi² 05/03/2005

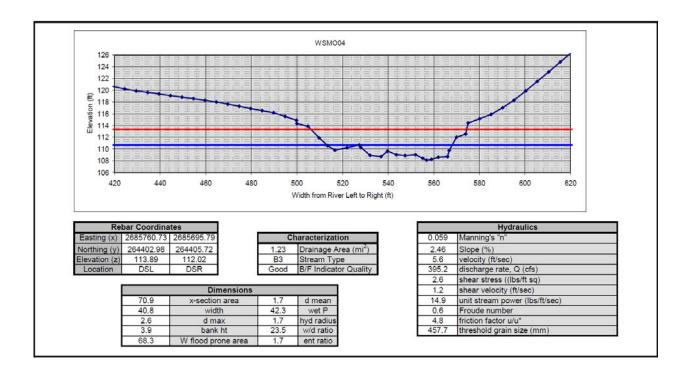


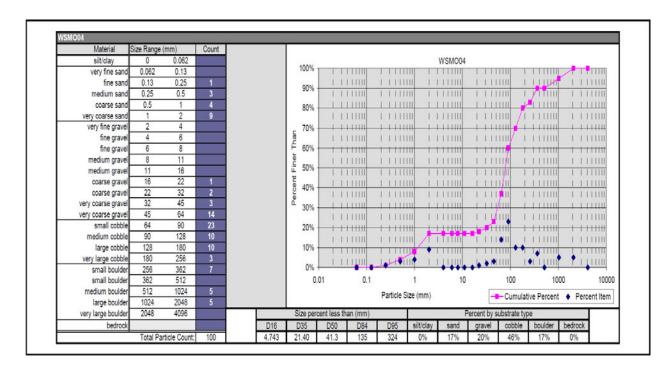
XS-DSL to DSR





XS = cross section · DSL = DownstreamLeft DSR = DownstreamRight





Section WSMO-06

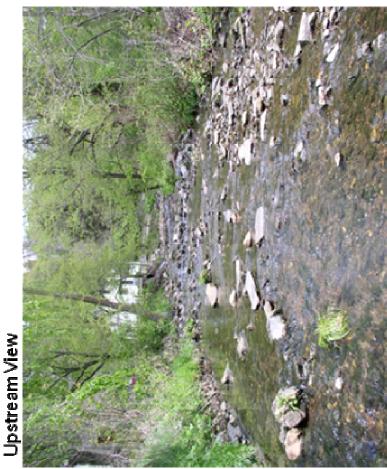
Drainage Area = 1.61 mi² Philadelphia 05/03/2005

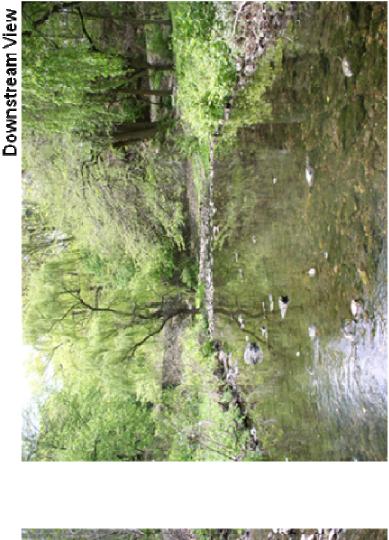


XS-DSR to DSL

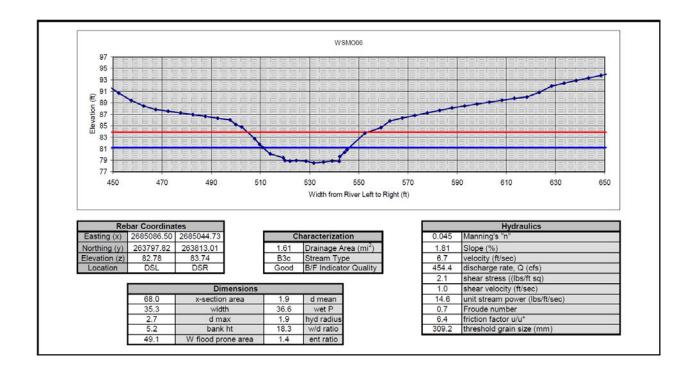


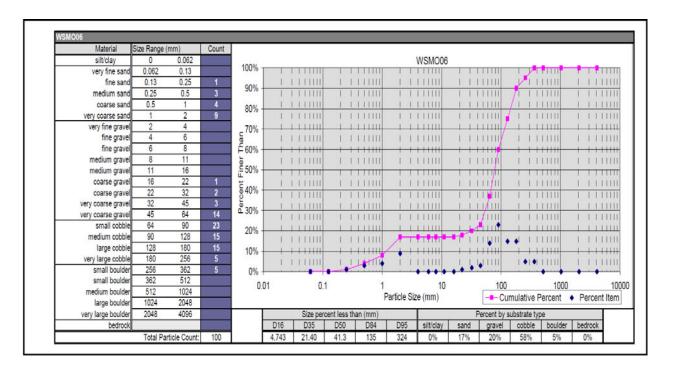
XS-DSL to DSR

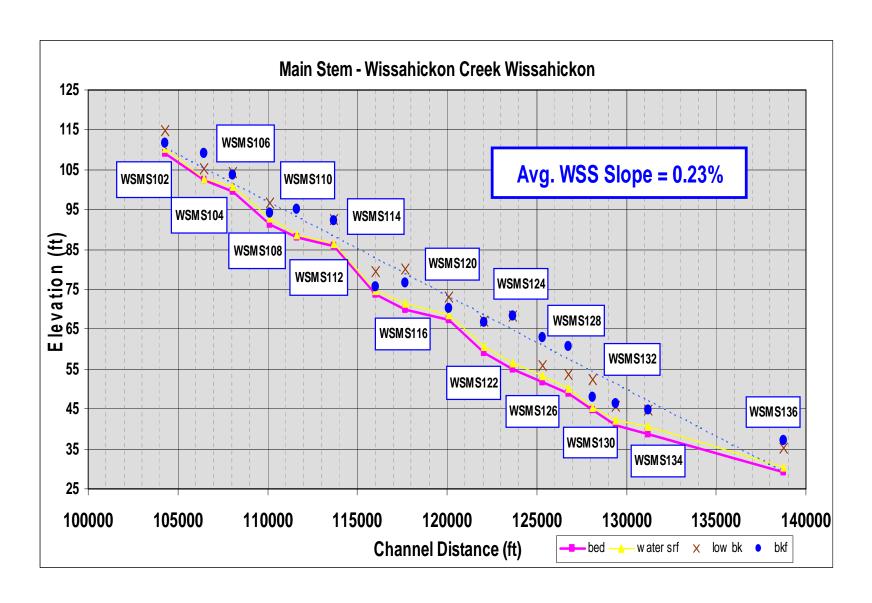




XS = cross section DSL = DownstreamLeft DSR = DownstreamRight







Section WSMS-102

Philadelphia
Drainage Area = 16.07 mi²
04/19/2005





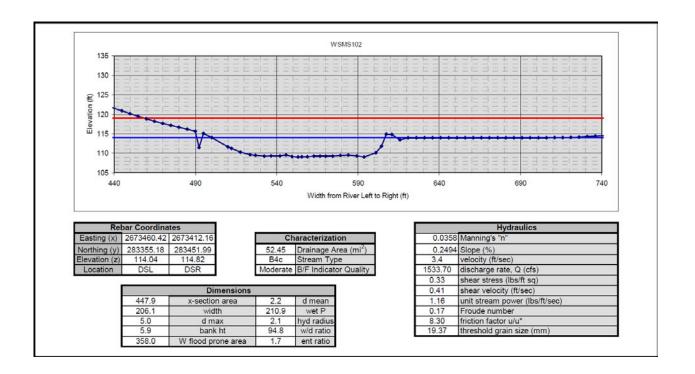
XS - DSR to DSL

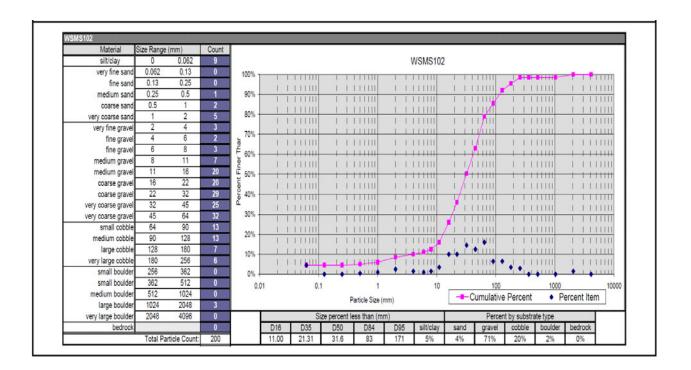
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-104

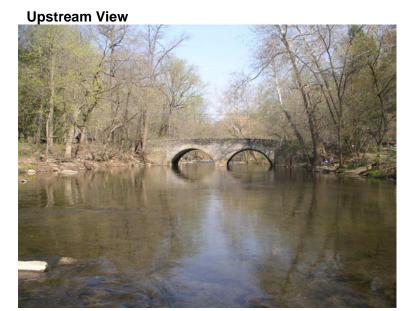
Philadelphia
Drainage Area = 16.96 mi²
04/19/2005





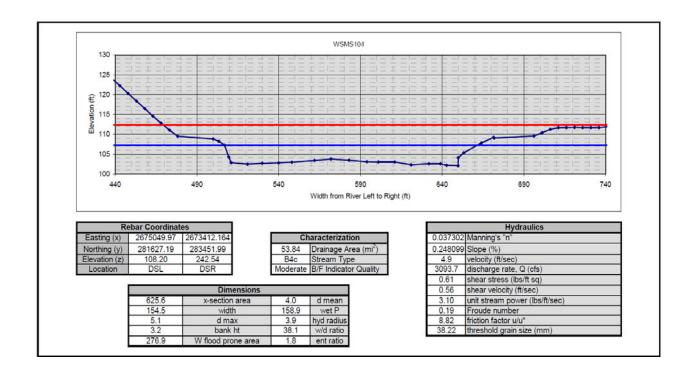


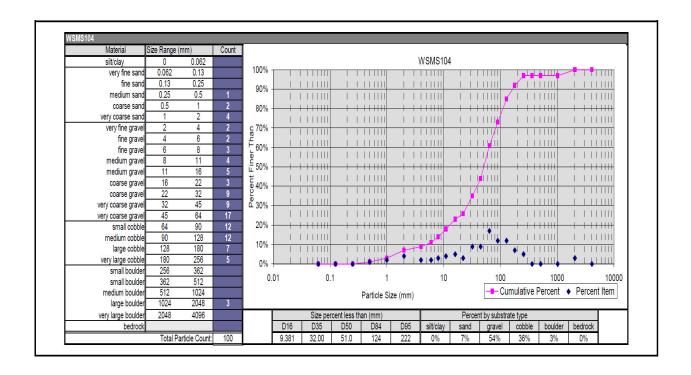
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-106

Philadelphia
Drainage Area = 17.06 mi²
04/19/2005







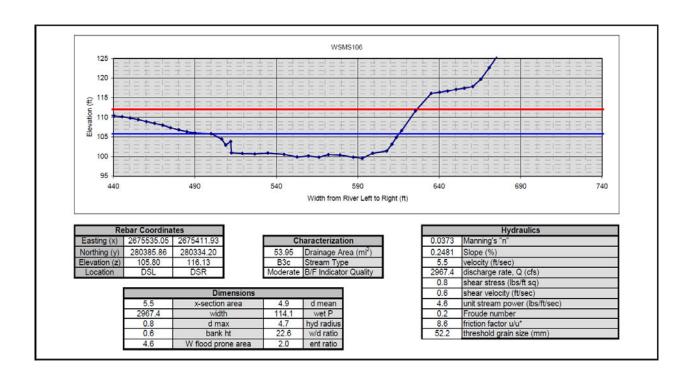
XS - DSL to DSR

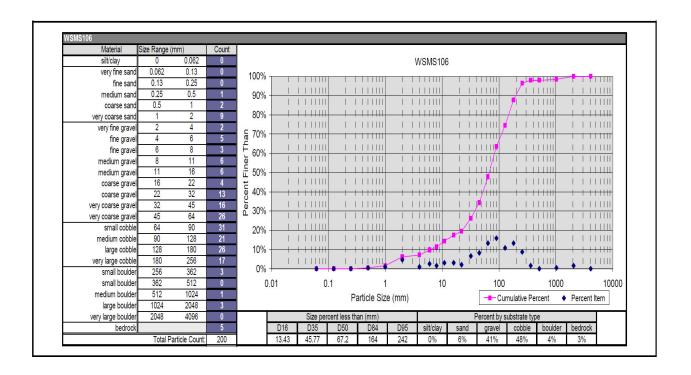
Upstream View





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-108

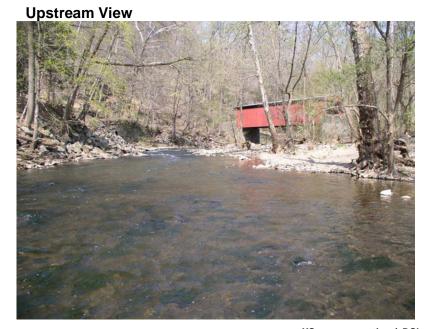
Philadelphia
Drainage Area = 17.30 mi²
04/19/2005



XS - DSR to DSL

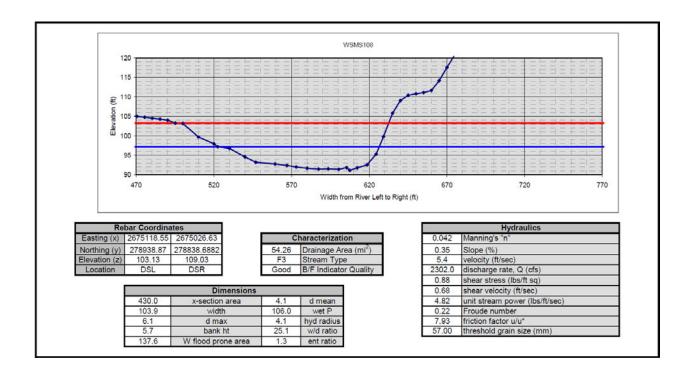


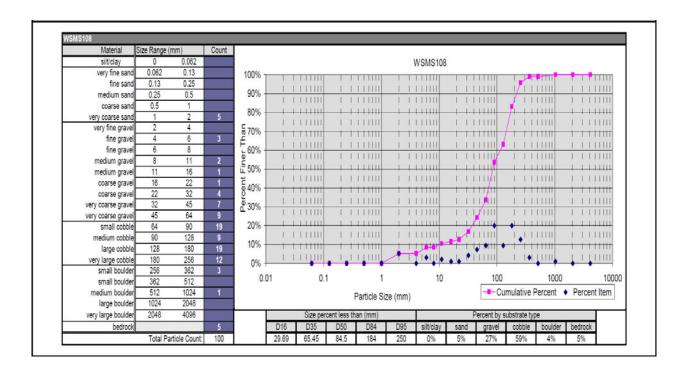
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-110

Philadelphia
Drainage Area = 17.50 mi²
04/20/2005







XS - DSL to DSR

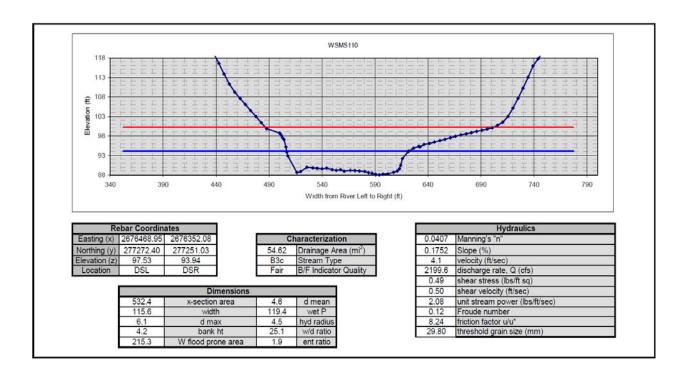
Upstream View

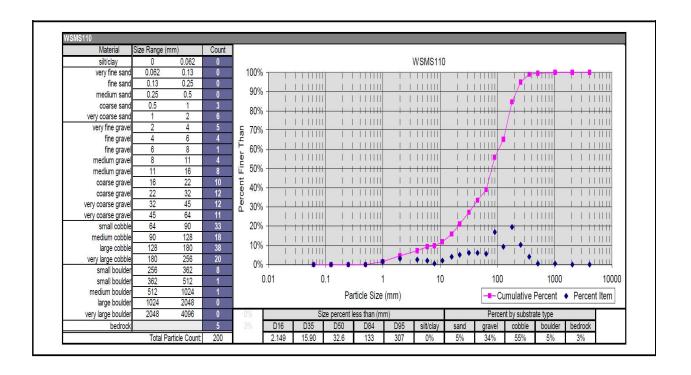


Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-112

Philadelphia
Drainage Area = 17.62 mi²
04/21/2005

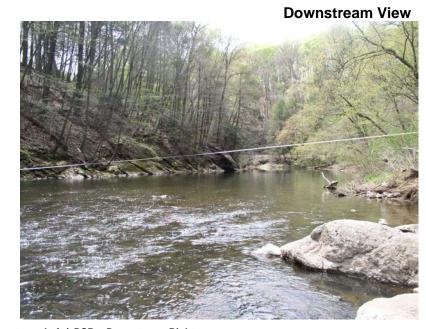


XS - DSR to DSL

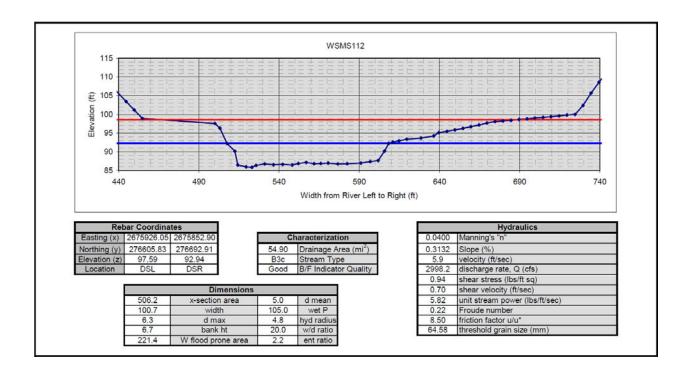


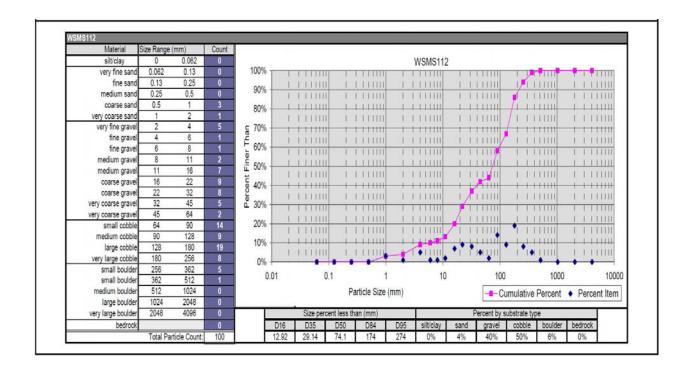
XS - DSL to DSR

Upstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-114

Philadelphia
Drainage Area = 18./01 mi²
10/04/2005







XS – DSL to DSR

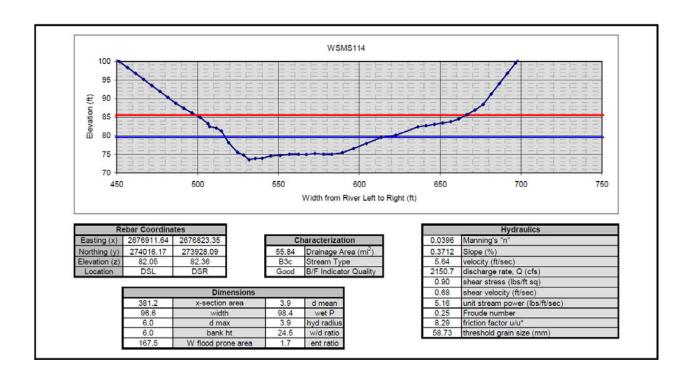
Upstream View

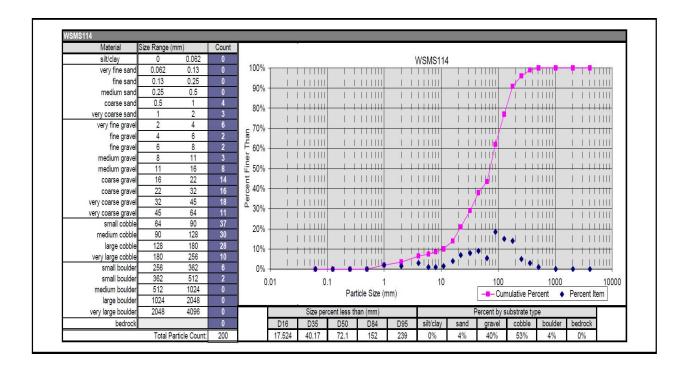


Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-116

Philadelphia
Drainage Area = 18.07 mi²
04/21/2005







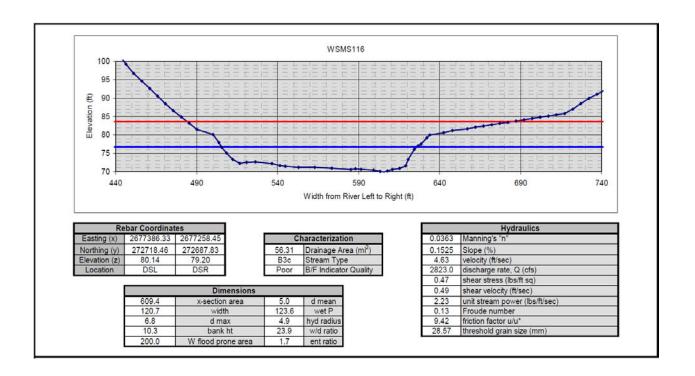
XS - DSL to DSR

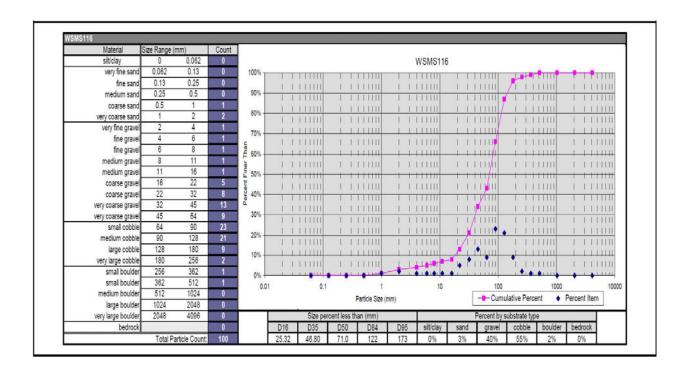






XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-120

Philadelphia
Drainage Area = 18.24 mi²
04/26/2005





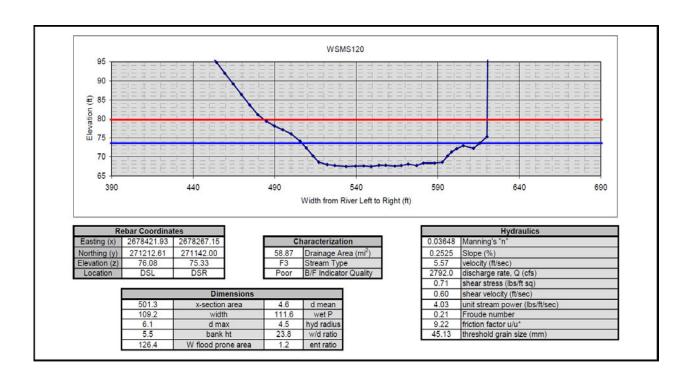


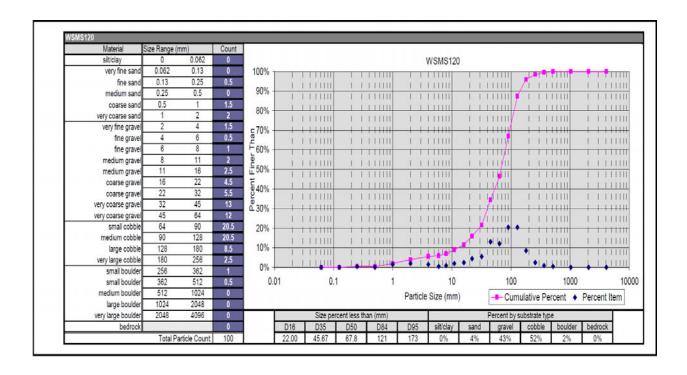
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-122

Philadelphia
Drainage Area = 18.59 mi²
04/26/2005





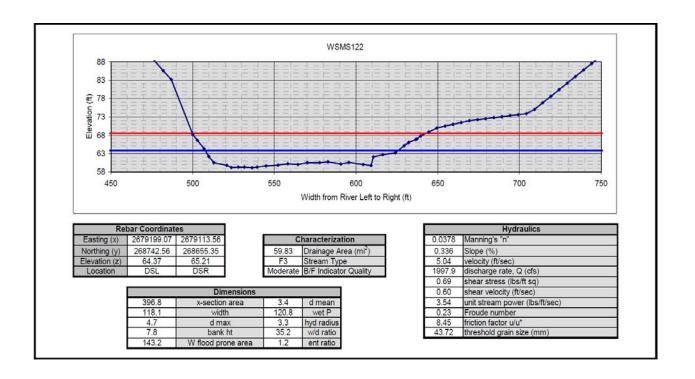


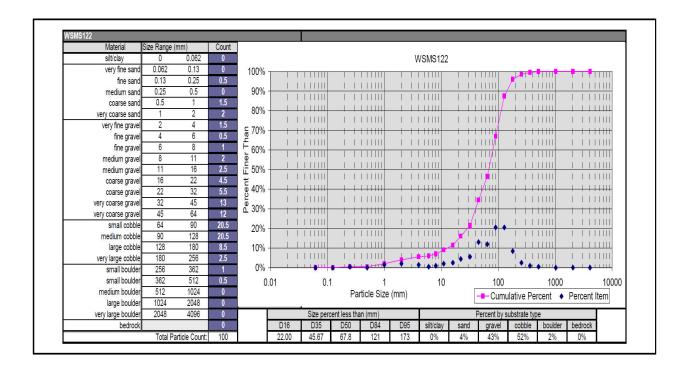
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-124

Philadelphia
Drainage Area = 18.71 mi²
04/26/2005





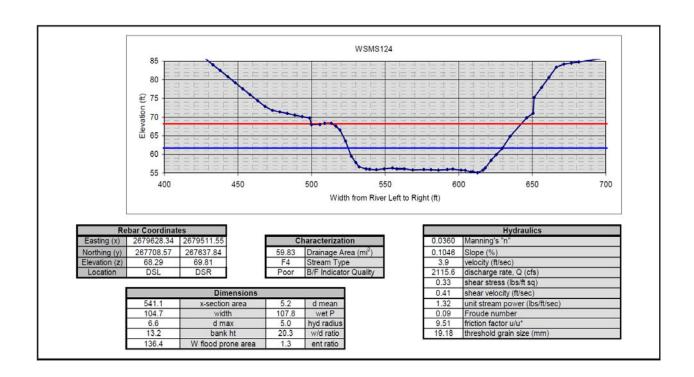


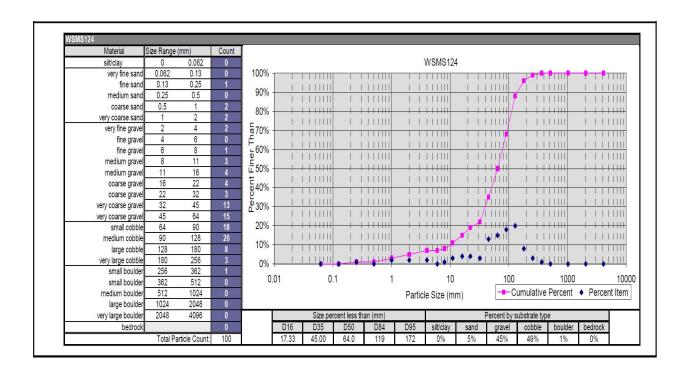
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





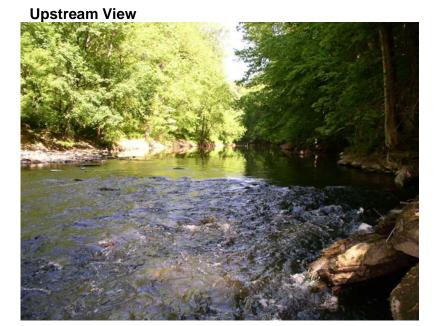
Section WSMS-126

Philadelphia
Drainage Area = 18.99 mi²
05/16/2005



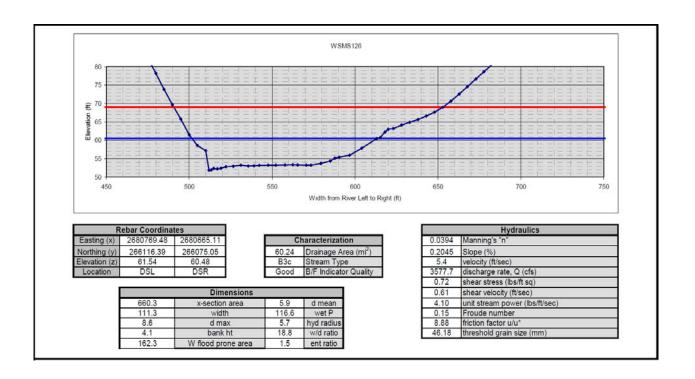
XS - DSR to DSL

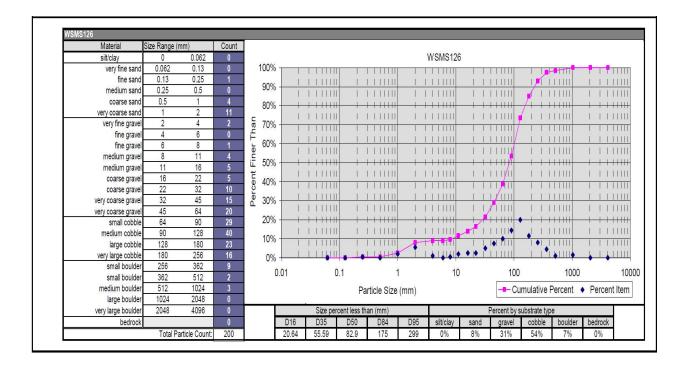
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-128

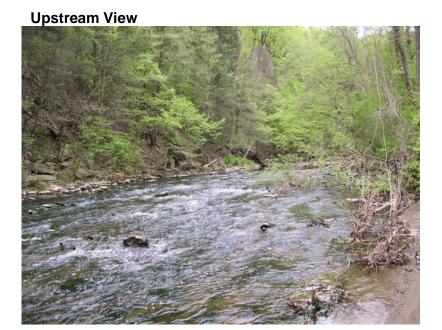
Philadelphia
Drainage Area = 19.05 mi²
05/04/2005





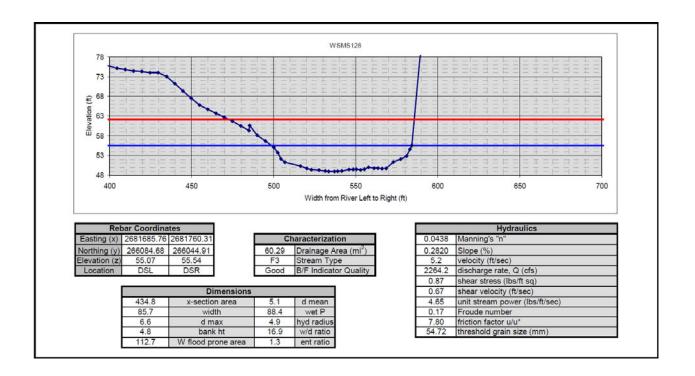


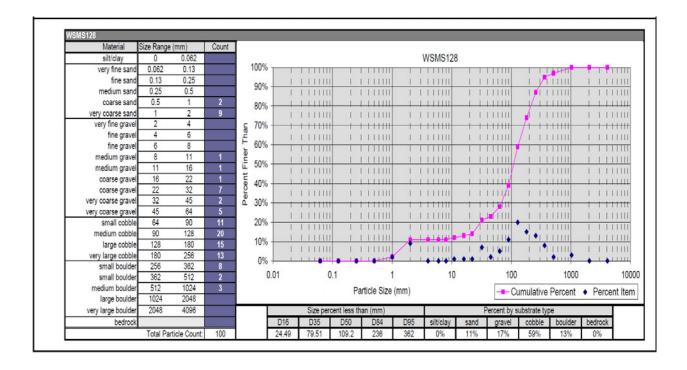
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-130

Philadelphia
Drainage Area = 19.22 mi²
05/06/2005



XS - DSR to DSL



XS - DSL to DSR

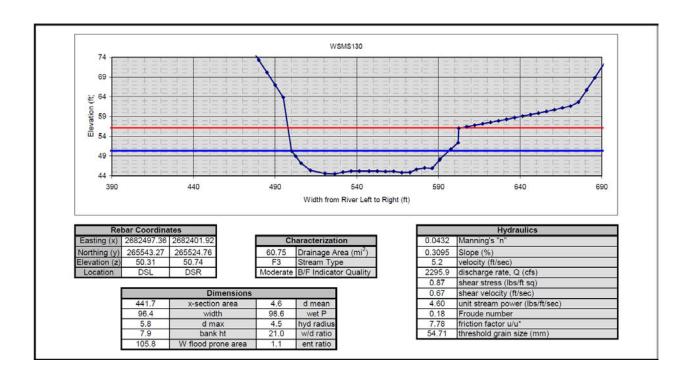
Upstream View

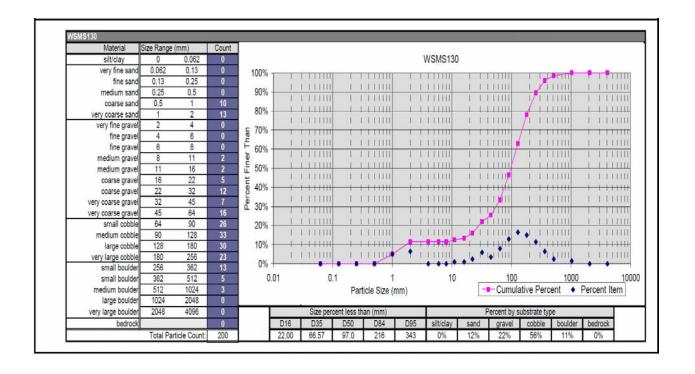


Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-132

Philadelphia Drainage Area = 19.43 mi² 05/06/2005



XS – DSR to DSL XS – DSL to DSR



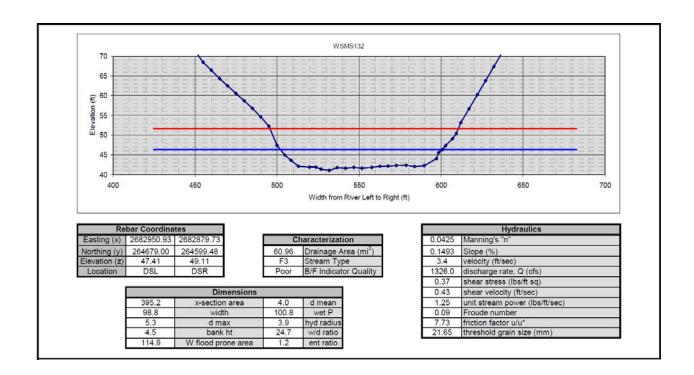
Upstream View

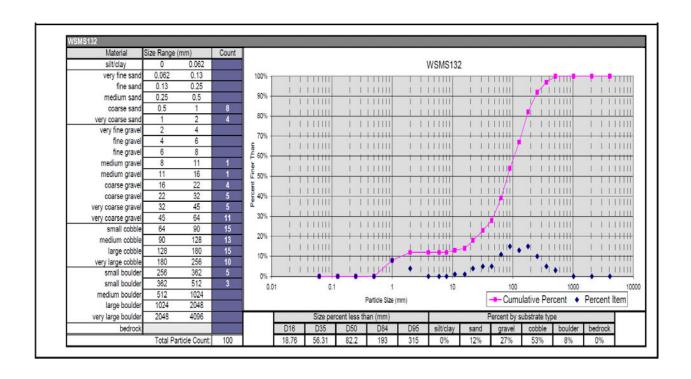


Downstream View



XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-134

Philadelphia Drainage Area = 19.64 mi² 05/06/2005





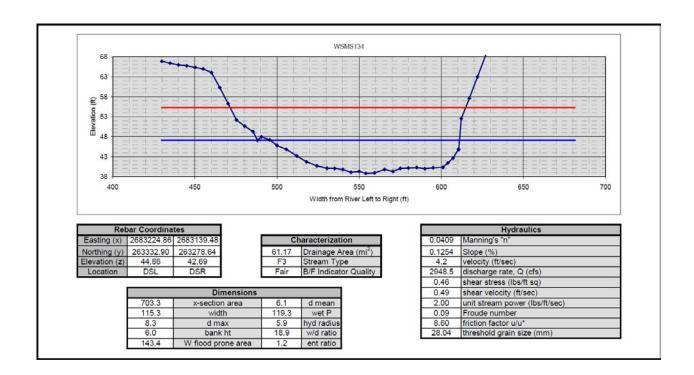
XS - DSR to DSL

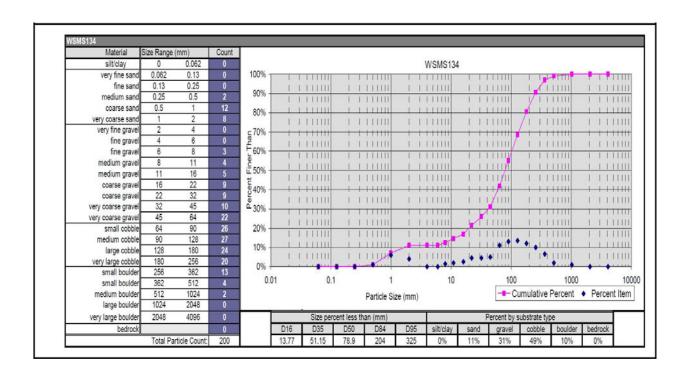
XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right





Section WSMS-136

Philadelphia
Drainage Area = 19.74 mi²
05/06/2005







XS - DSL to DSR





XS = cross section / DSL = Downstream Left / DSR = Downstream Right

