

APPENDIX C

Raw Data Forms for Final Sites

STREAM NAME: BOLIN CREEK		DATE: 5/30/07	MAP SHEET #: 4
PHOTO NUMBERS:		LANDMARK: LAKE WEST OF OLD NC 86	SKETCH ON BACK
GPS ID START: IJ04		GPS ID END: IJ04	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank <u> 5 </u> (ft) Width: Bottom <u> 3 </u> (ft) Top <u> 3 </u> (ft) Water Surface <u> 0.5 </u> (ft) Depth: Max BKF _____ (ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input checked="" type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input checked="" type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES -HAVE POND OUTFALL- LARGE AMOUNTS OF BANK EROSION OCCURRING AND DEEPLY INCISED- COULD DO POSSIBLE OUTFALL REPAIR	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 5/31/07	MAP SHEET #: 7
PHOTO NUMBERS: 1118-1122		LANDMARK: ROGERS AND EUBANKS	SKETCH ON BACK
GPS ID START: BD 27		GPS ID END: BD 28	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes) NA	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank <u> 4.1 </u> (ft) Width: Bottom <u> 6 </u> (ft) Top <u> 6.5 </u> (ft) Water Surface <u> 0.1 </u> (ft) Depth: Max BKF <u> NA </u> (ft) B:H Ratio: Low bank/Max BKF= <u> </u>	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence HEAD CUTS <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input checked="" type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES SOME FLOW FROM YARDS MAY BE CAUSING HEADCUTS ALSO SIGNS OF RILLS	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 6/5/07	MAP SHEET #: 9
PHOTO NUMBERS: 1087		LANDMARK: UP STRM CIRCADIAN WAY	SKETCH ON BACK
GPS ID START: TA 1 DESCRIPTION: BRIDGE OVER CIRCADIAN WAY		GPS ID END: TA 4 DESCRIPTION: FOOT BRIDGE	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input checked="" type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> 1 Sand (gritty) <input checked="" type="checkbox"/> 2 Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 3.5 _____(ft) Width: Bottom 4.5 _____(ft) Top 10.0 _____(ft) Water Surface 3.5 _____(ft) Depth: Max BKF 1.0 _____(ft) B:H Ratio: Low bank/Max BKF= _____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input checked="" type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other - Incision	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input checked="" type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES TA 2 - TA 4 INCISED CHANNEL TA 3- STORMWATER DRAINAGE DITCH	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUN STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT BELOW GATES FARM RD		DATE: 6/5/07	MAP SHEET #: 14
PHOTO NUMBERS: 1093-1095		LANDMARK: GATES FARM RD	SKETCH ON BACK
GPS ID START: TA-5 DESCRIPTION: NEAR GATES FARM RD		GPS ID END: DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input checked="" type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input checked="" type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 3.5_____(ft) Width: Bottom 7.0_____(ft) Top 11.0_____(ft) Water Surface 7.0_____(ft) Depth: Max BKF 1.1_____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input checked="" type="checkbox"/> Impacted buffer – Cat litter dump site <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input checked="" type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other- scour from increased SW	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES	
QUALITATIVE IMPAIRMENT RATING: <input checked="" type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 6/6/07	MAP SHEET #: 15
PHOTO NUMBERS: 1098-1099		LANDMARK: COBBLESTONE DR	SKETCH ON BACK
GPS ID START: TA 12		GPS ID END: TA 13	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input checked="" type="checkbox"/> Steady rain <input type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes) <input checked="" type="checkbox"/> NA	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 0.3 _____(ft) Width: Bottom 1.0 _____(ft) Top 1.0 _____(ft) Water Surface 0.0 _____(ft) Depth: Max BKF 0.3 _____(ft) B:H Ratio: Low bank/Max BKF= _____	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other- R/O from Cobblestone Dr	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES POTENTIAL FOR SWALE OR RAIN GARDEN	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT TO JOLLY BRANCH		DATE: 6/5/07	MAP SHEET #: 16
PHOTO NUMBERS: 0418		LANDMARK: SMITH MIDDLE SCHOOL	SKETCH ON BACK
GPS ID START: IJ 34		GPS ID END: IJ 34	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50% <input checked="" type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 2 _____(ft) Width: Bottom 2.5 _____(ft) Top 2.75 _____(ft) Water Surface 2.1 _____(ft) Depth: Max BKF 0.5 _____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other – Pipe outlet	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input checked="" type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES RCP AT MIDDLE SCHOOL NEEDS ENERGY DISSIPATION BEING UNDERCUT BY FLOW GOOD BMP POTENTIAL	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: JOLLY BRANCH		DATE: 6/5/07	MAP SHEET #: 16
PHOTO NUMBERS: NO PHOTO		LANDMARK: HIGH SCHOOL TRACK	SKETCH ON BACK
GPS ID START: IJ 24		GPS ID END:	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH <input checked="" type="checkbox"/> 0-25% AS % CHANNEL <input type="checkbox"/> 25-50 % WIDTH <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes) NA-NO FLOW	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 3 _____(ft) Width: Bottom 1.5 _____(ft) Top 4 _____(ft) Water Surface NA _____(ft) Depth: Max BKF NA _____(ft) B:H Ratio: Low bank/Max BKF= _____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other – CULVERT OUTLETS	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input checked="" type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES CULVERT OUTLETS FROM TRACK FLOWING INTO STREAM – JOLLY BRANCH- COULD HAVE STORMWATER BMPs HERE	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUN STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	

STREAM NAME: UT JOLLY BRANCH		DATE: 6/5/07	MAP SHEET #: 17
PHOTO NUMBERS: 396-398		LANDMARK:	SKETCH ON BACK
GPS ID START: IJ 26		GPS ID END:	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input checked="" type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50% <input checked="" type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 3 _____(ft) Width: Bottom 3 _____(ft) Top 3 _____(ft) Water Surface NA _____(ft) Depth: Max BKF NA _____(ft) B:H Ratio: Low bank/Max BKF= _____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input checked="" type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Aggrading <input checked="" type="checkbox"/> Sed. deposition		NOTES OUTLET OF CULVERT IS CAUSING OVERLAND EROSION AND SEDIMENT DEPOSITION INCISION OF STREAM OLD BMP IS FAILING	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 6/6/07	MAP SHEET #: 20
PHOTO NUMBERS: 1111- 1112 (TONY)		LANDMARK: ESTES	SKETCH ON BACK
GPS ID START: BD 44		GPS ID END: BD 47	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input checked="" type="checkbox"/> Steady rain <input type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input checked="" type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 4.2 _____(ft) Width: Bottom 6 _____(ft) Top 10 _____(ft) Water Surface 2 _____(ft) Depth: Max BKF 1.0 _____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input checked="" type="checkbox"/> Impacted buffer- YARD WORK <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES MASS BANK FAILURE	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT BOLIN		DATE: 5/8/07	MAP SHEET #: 20
PHOTO NUMBERS: 23		LANDMARK:	SKETCH ON BACK
GPS ID START: BD 11		GPS ID END:	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> None <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input checked="" type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input checked="" type="checkbox"/> Cobble (2.5 –10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank ___3.2___(ft) Width: Bottom ___13___(ft) Top ___17___(ft) Water Surface ___1.4___(ft) Depth: Max BKF ___0.6___(ft) B:H Ratio: Low bank/Max BKF=___	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input checked="" type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input checked="" type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE:	MAP SHEET #: 20
PHOTO NUMBERS: 1105		LANDMARK: OFF CARDIFF PL	SKETCH ON BACK
GPS ID START: TA 19		GPS ID END:	
DESCRIPTION: SCOUR OF RR FILL		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input checked="" type="checkbox"/> Steady rain <input type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes) NA-NO FLOW	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> 1 Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input checked="" type="checkbox"/> 2 Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank _____(ft) Width: Bottom _____(ft) Top _____(ft) Water Surface _____(ft) Depth: Max BKF _____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other- SW r/o	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input checked="" type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES SIGNIFICANT SCOUR OF RR FILL SITE FOR POTENTIAL RETENTION SEWER SMELL	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 6/7/07	MAP SHEET #: 23
PHOTO NUMBERS: 1117- PIPED CH 1118-11120 DEGRADED		LANDMARK: BROAD ST.	SKETCH ON BACK
GPS ID START: TA 29 DESCRIPTION: PIPED ST NO GPS		GPS ID END: TA 30 DESCRIPTION: DEGRADED STR NO GPS	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input checked="" type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input checked="" type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Sand (gritty) <input checked="" type="checkbox"/> Gravel (0.1-2.5") <input checked="" type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 1.3 (ft) Width: Bottom 4.0 (ft) Top 5.0 (ft) Water Surface 3.0 (ft) Depth: Max BKF 1.3 (ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES- UPSTREAM OF BROAD ST STREAM IS PIPED AND COULD BE DAYLIGHTED TA 29 - DOWN STR OF BROAD ST STREAM IS DEGRADED AND COULD USE RESTORATION	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 6/7/07	MAP SHEET #: 24
PHOTO NUMBERS: 1124-1125		LANDMARK:	SKETCH ON BACK
GPS ID START: TA 33 DESCRIPTION:		GPS ID END: TA 34 DESCRIPTION:	
RAIN IN LAST 24 HOURS <input checked="" type="checkbox"/> None <input type="checkbox"/> Heavy rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Steady rain <input type="checkbox"/> Trace		PRESENT CONDITIONS <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Heavy rain <input type="checkbox"/> Trace <input type="checkbox"/> Steady rain <input type="checkbox"/> Overcast <input type="checkbox"/> Intermittent <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50% <input checked="" type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (suspended matter) <input type="checkbox"/> Stained (clear, naturally colored) <input type="checkbox"/> Opaque (milky) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Sand (gritty) <input checked="" type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input checked="" type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 10.0 (ft) Width: Bottom 10.0 (ft) Top 20.0 (ft) Water Surface 8.0 (ft) Depth: Max BKF 1.4 (ft) B:H Ratio: Low bank/Max BKF= _____		OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input checked="" type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other- SCOUR from SW
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Widening <input type="checkbox"/> Headcutting <input type="checkbox"/> Aggrading <input type="checkbox"/> Bed scour <input checked="" type="checkbox"/> Bank failure <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Sed. deposition <input type="checkbox"/> Slope failure <input type="checkbox"/> Channelized <input type="checkbox"/> Unknown		NOTES ENTIRE REACH HAS APPROX 5 TO 6 FT. ERODING VERTICAL BANK FROM SW DOWNCUTTING	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTION STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input checked="" type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (Simon et. al., 2003)	



STREAM NAME: UT MILL RACE		DATE: 5/21/07	MAP SHEET #: 25-24
PHOTO NUMBERS: 2976-2979		LANDMARK: HILLSBOROUGH ST	SKETCH ON BACK
GPS ID START: IJ 43		GPS ID END: IJ 43	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> None <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input checked="" type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank ___3-10___(ft) Width: Bottom ___3-6___(ft) Top ___3-6___(ft) Water Surface ___0.5___(ft) Depth: Max BKF ___0.2___(ft) B:H Ratio: Low bank/Max BKF=___	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES: BURIED PIP IS CAUSING MASSIVE EROSION ON HILLSIDE DEEP GULLY FORMED POSSIBLE STEP-POOL OR ENERGY DISSIPATION EVEN CULVERT REPLACEMENT	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: BOLIN CREEK		DATE: 2/21/07	MAP SHEET #: 25
PHOTO NUMBERS: 3015-3016		LANDMARK: BOLINWOOD DR	SKETCH ON BACK
GPS ID START: IJ53		GPS ID END: IJ53	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> None <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input checked="" type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input checked="" type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Sand (gritty) <input checked="" type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input checked="" type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank ___5-20__(ft) Width: Bottom ___20__(ft) Top ___20__(ft) Water Surface ___20__(ft) Depth: Max BKF ___2.5__(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input checked="" type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input checked="" type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES MAJOR BANK FAILURE ON BOLIN CREEK POSSIBLE BANK STABILIZATION	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT		DATE: 6/21/07	MAP SHEET #: 26
PHOTO NUMBERS: 1162-1165		LANDMARK: YMCA	SKETCH ON BACK
GPS ID START: BD 58		GPS ID END: BD 59	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input checked="" type="checkbox"/> Steady rain <input type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input checked="" type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input checked="" type="checkbox"/> Cobble (2.5 –10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank <u> 2.1 </u> (ft) Width: Bottom <u> 7.1 </u> (ft) Top <u> 9 </u> (ft) Water Surface <u> 2 </u> (ft) Depth: Max BKF <u> 0.5 </u> (ft) B:H Ratio: Low bank/Max BKF=_____		OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other NA- development=high flow
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES THIS NEEDS HELP. ACTIVE, GETS WORSE DS. SEE BD 59-60.	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input checked="" type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: COLE SPRINGS BR.		DATE: 6/21/07	MAP SHEET #: 26
PHOTO NUMBERS: 1231,1232		LANDMARK:	SKETCH ON BACK
GPS ID START: BD 75		GPS ID END:	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input checked="" type="checkbox"/> Steady rain <input type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input checked="" type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank 4 _____(ft) Width: Bottom 4 _____(ft) Top 14 _____(ft) Water Surface 2 _____(ft) Depth: Max BKF 1.8 _____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input checked="" type="checkbox"/> Widening <input checked="" type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES CULVERT FOR UTILITY ROADWAY ALONG SS LINE CAUSES CONTRACTION	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input checked="" type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT BATTLE BRANCH		DATE: 6/22/07	MAP SHEET #: 30
PHOTO NUMBERS:NO PHOTO		LANDMARK:	SKETCH ON BACK
GPS ID START: IJ 64		GPS ID END: IJ 64	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> None <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input checked="" type="checkbox"/> 0-25% <input type="checkbox"/> 25-50% <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input checked="" type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank ___3-4___(ft) Width: Bottom ___3___(ft) Top ___5___(ft) Water Surface ___NA___(ft) Depth: Max BKF ___NA___(ft) B:H Ratio: Low bank/Max BKF=___NA___		OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other
CHANNEL DYNAMICS <input checked="" type="checkbox"/> Downcutting <input checked="" type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input checked="" type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input checked="" type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES SERIES OF HEADCUTS PROGRESSING UP STEEP CHANNEL LOTS OF SILT AND SEDIMENT FROM BANK FAILURE ORIGINATES AT PARTIALLY BURIED PIPE UPSTREAM	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: UT TO BOLIN CR		DATE: 6/21/07	MAP SHEET #: 30
PHOTO NUMBERS: 3032-3034		LANDMARK: STEEP HILLSIDE	SKETCH ON BACK
GPS ID START: IJ 60		GPS ID END: IJ 60	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> None <input checked="" type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input checked="" type="checkbox"/> Suburban/Res <input checked="" type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input checked="" type="checkbox"/> NA-hillside <input type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes) <input checked="" type="checkbox"/> NA	
DOMINANT SUBSTRATE <input checked="" type="checkbox"/> 2 Silt/clay (fine or slick) <input checked="" type="checkbox"/> 1 Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank _____(ft) Width: Bottom _____(ft) Top _____(ft) Water Surface _____(ft) Depth: Max BKF _____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input checked="" type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input checked="" type="checkbox"/> Other- old BMP	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input checked="" type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input checked="" type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES OLD BMP – MAYBE LEVEL SPREADER ;COULD EASILY RETROFIT GULLY FORMATION ABOVE ROCK CHECK DAMS BELOW	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input checked="" type="checkbox"/> Moderate <input type="checkbox"/> Severe		CHANNEL EVOLUTIUON STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	



STREAM NAME: BATTLE BR		DATE: 6/22/07	MAP SHEET #: 34
PHOTO NUMBERS: 1271-1279		LANDMARK:	SKETCH ON BACK
GPS ID START: BD 87		GPS ID END: BD 88	
DESCRIPTION:		DESCRIPTION:	
RAIN IN LAST 24 HOURS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input checked="" type="checkbox"/> None <input type="checkbox"/> Intermittent <input type="checkbox"/> Trace		PRESENT CONDITIONS <input type="checkbox"/> Heavy rain <input type="checkbox"/> Steady rain <input type="checkbox"/> Intermittent <input type="checkbox"/> Clear <input type="checkbox"/> Trace <input type="checkbox"/> Overcast <input type="checkbox"/> Partly cloudy	
SURROUNDING LAND USE: <input type="checkbox"/> Industrial <input type="checkbox"/> Commercial <input type="checkbox"/> Urban/Residential <input type="checkbox"/> Suburban/Res <input type="checkbox"/> Forested <input type="checkbox"/> Institutional <input type="checkbox"/> Golf course <input type="checkbox"/> Park <input type="checkbox"/> Crop <input type="checkbox"/> Pasture <input type="checkbox"/> Other:			
BASE FLOW WIDTH AS % CHANNEL WIDTH <input type="checkbox"/> 0-25% <input checked="" type="checkbox"/> 25-50 % <input type="checkbox"/> 50%-75% <input type="checkbox"/> 75-100%		WATER CLARITY <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid (<i>suspended matter</i>) <input type="checkbox"/> Stained (<i>clear, naturally colored</i>) <input type="checkbox"/> Opaque (<i>milky</i>) <input type="checkbox"/> Other (chemicals, dyes)	
DOMINANT SUBSTRATE <input type="checkbox"/> Silt/clay (fine or slick) <input type="checkbox"/> Sand (gritty) <input type="checkbox"/> Gravel (0.1-2.5") <input type="checkbox"/> Cobble (2.5 -10") <input type="checkbox"/> Boulder (>10") <input type="checkbox"/> Bed rock	CHANNEL DIMENSIONS AT RIFFLE Height: Low bank _____(ft) Width: Bottom _____(ft) Top _____(ft) Water Surface _____(ft) Depth: Max BKF _____(ft) B:H Ratio: Low bank/Max BKF=_____	OBSERVED IMPACTS <input type="checkbox"/> Outfall <input type="checkbox"/> Confluence <input type="checkbox"/> Impacted buffer <input type="checkbox"/> Stream crossing <input type="checkbox"/> Channel mod <input type="checkbox"/> Utility impacts <input type="checkbox"/> Beaver <input type="checkbox"/> Other	
CHANNEL DYNAMICS <input type="checkbox"/> Downcutting <input type="checkbox"/> Bed scour <input type="checkbox"/> Slope failure <input type="checkbox"/> Widening <input checked="" type="checkbox"/> Bank failure <input type="checkbox"/> Channelized <input type="checkbox"/> Headcutting <input checked="" type="checkbox"/> Bank scour <input type="checkbox"/> Unknown <input type="checkbox"/> Aggrading <input type="checkbox"/> Sed. deposition		NOTES SEE PHOTOS DITCH BUILT BY SS LINE	
QUALITATIVE IMPAIRMENT RATING: <input type="checkbox"/> Low <input type="checkbox"/> Moderate <input checked="" type="checkbox"/> Severe		CHANNEL EVOLUTIUN STAGE: <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III <input type="checkbox"/> IV <input type="checkbox"/> V <input type="checkbox"/> VI (<i>Simon et. al., 2003</i>)	

