

APPENDIX B

SHIM Data Dictionary



SHIM2008

SHIM 2002 ddf revised by Ecoscape

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STREAM          Line Feature, Label 1 = StreamName, Label 2 = Line_Src
                Stream centre line dynamic line segments
STREAM_REFERENCE Separator
StreamName      Text, Maximum Length = 50
                Required, Required
LocalName       Text, Maximum Length = 50
                Normal, Normal
Organization    Text, Maximum Length = 100
                Required, Required
WtrshedCde     Numeric, Decimal Places = 0, watershed code
                Minimum = 0, Maximum = 50, Default Value = 0
                Normal, Normal
TributaryCde   Text, Maximum Length = 35, Tributary Code
                Normal, Normal
ILP            Text, Maximum Length = 35, Interim Locator Point (Tributary Code)
                Normal, Normal
Date           Date, Auto generate Create, Year-Month-Day Format
                Required, Required
Time           Time, Auto generate Create, 24 Hour Format
                Normal, Normal
Crew           Text, Maximum Length = 50
                Required, Required
Weather        Menu, Normal, Normal
    Light Rain [L]
    Heavy Rain [H]
    Snow/Sleet [N]
    Over cast [OV]
    Clear [S]
    Partly Cloudy [PC]
    Other [O]
AirTemp        Numeric, Decimal Places = 1, degrees centigrade
                Minimum = -25, Maximum = 45, Default Value = 0
                Normal, Normal
Water_Temp     Numeric, Decimal Places = 1, degrees celsius
                Minimum = -2, Maximum = 29, Default Value = 0
                Normal, Normal
Stage          Menu, Normal, Normal
    dry
    low
    moderate
    high
    flood
    other
Line_Type      Menu, Normal, Normal
    Trimble    Default
    Garmin
    Photointerp
    Chain_Compass
    Other
Line_Src       Menu, Normal, Normal
    shim2008  Default
    shim2006
    shim4
    shim3
    shim2
    shim1
    trim
    DFO
    other
Fish_Bearing   Menu, Normal, Normal
    Yes
    No
    Unconfirmed
Fish_SP1       Menu, Normal, Normal, Code for fish species
    General Fish Observn [FSH]
    Bull trout [BT]
    Coho [CO]
    Chinook [CH]
    Chum [CM]
    Cutthroat Trout [CT]
    Westslope Cutthroat [WCT]
    Dolly Varden [DV]
    Anadromous Dolly Var [ADV]

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Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Sp1_Src Menu, Normal, Normal
 FISS
 FDIS
 DFO
 MWALP
 MOTH
 Other

Fish_SP2 Menu, Normal, Normal, Code for fish species
 General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Sp2_Src Menu, Normal, Normal
 FISS
 FDIS
 DFO
 MWALP
 MOTH
 Other

Fish_SP3 Menu, Normal, Normal, Code for fish species
 General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Sp3_Src Menu, Normal, Normal
 FISS
 FDIS
 DFO
 MWALP
 MOTH
 Other

Comments Text, Maximum Length = 100
 Normal, Normal

PhotoNum Text, Maximum Length = 25, Roll and print number of photograph
Normal, Normal

Photo_File File Name, Normal, Normal
Separator

SEGMENT_CLASS Separator

Seg_Number Numeric, Decimal Places = 1, Unique Identification number for segment
Minimum = 0, Maximum = 99999, Default Value = 0
Required, Required

Primary Menu, Required, Required, State of stream section

- Channelized [CH]
- Culvert [CV]
- Ditch [FRT]
- Modified [Md]
- Natural [N]
- Other [O]

Secondary Menu, Normal, Normal, State of stream section

- Beaver Pond [BP]
- Ephemeral [EP]
- Flumed [F]
- Intermittent [IN]
- Side channel [SC]
- Wetland [HMW]
- Braided [BC]
- Non-channelized [NC]
- Other [O]

Hydraulic Menu, Normal, Normal, Dominant hydraulic type

- Beaver Pond [BP]
- Cascade [C]
- Cascade/Pool [CP]
- Falls [F]
- Pool [P]
- Run [RN]
- Riffle [RF]
- Riffle/Pool [RP]
- Slough [S]
- Standing [S]
- Wetland [HMW]
- Other [O]

Comt_Class Text, Maximum Length = 100, Comments for Segment
Normal, Normal
Separator

SEGMENT_CHARACTER Separator

Percent_Gradient Numeric, Decimal Places = 1, Gradient to last point for chain survey
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal

Crown_Closure Menu, Normal, Normal

- 0 [0]
- 1-20% [1]
- 21-40% [2]
- 41-70% [3]
- 71-90% [4]
- >90% [5]

Spawning_Habitat Menu, Normal, Normal, Good spawning habitat

- Anadromous
- Resident
- Unknown Default
- Potential

Livestock_access Menu, Normal, Normal, Stream segmnet accessible to live-stock
Yes

Bars Menu, Normal, Normal

- None Default
- Side
- Diagonal
- Mid-channel
- Spanning
- Braided

Islands Menu, Normal, Normal

- None Default
- Occasional
- Frequent - Irregular
- Frequent - Regular
- Split
- Anastomosing

Comt_SChar Text, Maximum Length = 100, Comments for Segment
Normal, Normal
Separator

SUBSTRATE Separator
Sub_Organic Numeric, Decimal Places = 0
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Sub_Fines Numeric, Decimal Places = 0
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Sub_Gravel Numeric, Decimal Places = 0
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Sub_Cobble Numeric, Decimal Places = 0
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Sub_Blder Numeric, Decimal Places = 0, substrate boulder
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Sub_BedRk Numeric, Decimal Places = 0
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Compaction Menu, Normal, Normal, Level of substrate compaction
Low [L]
Medium [M]
High [H]

Comt_Sub Text, Maximum Length = 100, Comment for Substrates
Normal, Normal
Separator

CHANNEL Separator
Width_W Numeric, Decimal Places = 2, wetted width
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Width_BF Numeric, Decimal Places = 2, Bank full width
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
Width_LFP Numeric, Decimal Places = 2, left flood plain width
Minimum = 0, Maximum = 1000, Default Value = 0
Normal, Normal
Width_RFP Numeric, Decimal Places = 2, right flood plain width
Minimum = 0, Maximum = 1000, Default Value = 0
Normal, Normal
Depth_W Numeric, Decimal Places = 2, Wetted depth
Minimum = 0, Maximum = 10, Default Value = 0
Normal, Normal
Depth_BF Numeric, Decimal Places = 2, Bankfull depth
Minimum = 0, Maximum = 10, Default Value = 0
Normal, Normal
Depth_FP Numeric, Decimal Places = 2, Flood plain depth
Minimum = 0, Maximum = 10, Default Value = 0
Normal, Normal
Comt_Chan Text, Maximum Length = 100, Comment for Channel
Normal, Normal

Separator
INSTREAM_COVER Separator
Total_Cover Numeric, Decimal Places = 0, Percentage of Segment With Cover
Minimum = 0, Maximum = 1000, Default Value = 0
Required, Required
B Numeric, Decimal Places = 0, percent boulder
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
DP Numeric, Decimal Places = 0, percent deep pools
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
IV Numeric, Decimal Places = 0, percent instream vegetation
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
LWD Numeric, Decimal Places = 0, percent
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
OV Numeric, Decimal Places = 0, percent overstream vegetation
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
SWD Numeric, Decimal Places = 0, small woody debris
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal
UC Numeric, Decimal Places = 0, percent undercut bank
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal

LWD_Count	Numeric, Decimal Places = 0, Number of LWD in Segment Minimum = 0, Maximum = 999, Default Value = 0 Normal, Normal
Spanlog_Count	Numeric, Decimal Places = 0, Number of LWD in Segment Minimum = 0, Maximum = 999, Default Value = 0 Normal, Normal
DP_Count	Numeric, Decimal Places = 0, Number of Deep Pools in Segment Minimum = 0, Maximum = 999, Default Value = 0 Normal, Normal
Comt_Cov	Text, Maximum Length = 100, Comment for Channel Normal, Normal
LEFT_BANK_RIPARIAN	Separator
L_RipClass	Menu, Required, Required, Riparian Class
	Row Crops [NAG]
	Broadleaf forest [VBF]
	Bryophytes [VCR]
	Coniferous forest [VNF]
	Planted Tree Farm [NTF]
	Disturbed wetland [DWN]
	Dug out pond [DOP]
	Exposed soil [NEL]
	Flood plain [VFP]
	Herbs/grasses [VHB]
	High Impervious [NHR]
	Medium Impervious [NMR]
	Low Impervious [NLR]
	Mixed forest [VMF]
	Natural wetland [WN]
	Rock [NNB]
	Shrubs [VSH]
L_Qualifier	Menu, Normal, Normal, Riparian Class Qualifier
	Agriculture [ag]
	Natural [n]
	Urban_Residential [ur]
	Rural_Residential [ru]
	Recreation [r]
	Disturbed [d]
	Unknown [u]
L_BandWidth	Numeric, Decimal Places = 2 Minimum = 0, Maximum = 9999, Default Value = 0 Normal, Normal
L_BankSlope	Numeric, Decimal Places = 0 Minimum = -100, Maximum = 100, Default Value = 0 Normal, Normal
L_Stage	Menu, Normal, Normal, Structural Stage
	Sparse Bryoid [1]
	Grass / Herb [2]
	low shrubs <2m [3a]
	tall shrubs 2-10m [3b]
	sapling >10m [4]
	young forest [5]
	mature forest [6]
	old forest [7]
L_Shrubs	Menu, Normal, Normal, Density of shrubs
	<5% [VL]
	5-33% [L]
	34-66% [M]
	67-100% [H]
L_Snag	Menu, Normal, Normal, Presence of Snags
	No
	<5
	>=5
L_Veteran	Menu, Normal, Normal, Veteran trees
	No
	<5
	>=5
L_BkStbility	Menu, Normal, Normal, Bank Stability
	High [H]
	Medium [M]
	Low [L]
L_Bank_Material	Menu, Normal, Normal
	Concrete [C]
	Gabions [GB]
	Pilings [P]
	Stonework [S]

RipRap [RR]
 Retain Wall/Bank Stb [EHB]
 Sandbags [SB]
 Wood [W]
 Bark_Mulch [BM]
 Asphalt [AS]
 Dyke [DY]
 Till [T]
 Fines [F]
 Gravel [G]
 Cobble [CB]
 Boulder [B]
 Bed_Rock [BR]
 Other [O]

L_Top_Bank Menu, Normal, Normal, Estimated top of bank
 Yes
 No

L_Comment Text, Maximum Length = 100, Comment Left bank riparian
 Normal, Normal
 Separator

RIGHT_BANK_RIPARIAN Separator

R_RipClass Menu, Required, Required, Riparian Class

Row Crops [NAG]
 Broadleaf forest [VBF]
 Bryophytes [VCR]
 Coniferous forest [VNF]
 Planted Tree Farm [NTF]
 Disturbed wetland [DWN]
 Dug out pond [DOP]
 Exposed soil [NEL]
 Flood plain [VFP]
 Herbs/grasses [VHB]
 High Impervious [NHR]
 Medium Impervious [NMR]
 Low Impervious [NLR]
 Mixed forest [VMF]
 Natural wetland [WN]
 Rock [NNB]
 Shrubs [VSH]

R_Qualifier Menu, Normal, Normal, Riparian Class Qualifier
 Agriculture [ag]
 Natural [n]
 Urban_Residential [ur]
 Rural_Residential [ru]
 Recreation [r]
 Disturbed [d]
 Unknown [u]

R_BandWidth Numeric, Decimal Places = 2
 Minimum = 0, Maximum = 9999, Default Value = 0
 Normal, Normal

R_BankSlope Numeric, Decimal Places = 0
 Minimum = -100, Maximum = 100, Default Value = 0
 Normal, Normal

R_Stage Menu, Normal, Normal, Structural Stage
 Sparse Bryoid [1]
 Grass / Herb [2]
 low shrubs <2m [3a]
 tall shrubs 2-10m [3b]
 sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

R_Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

R_Snag Menu, Normal, Normal, Presence of Snags
 No
 <5
 >=5

R_Veteran Menu, Normal, Normal, Veteran trees
 No
 <5
 >=5

R_BkStbility Menu, Normal, Normal, Bank Stability

High [H]	
Medium [M]	
Low [L]	
R_Bank_Material	Menu, Normal, Normal
Concrete [C]	
Gabions [GB]	
Pilings [P]	
Stonework [S]	
RipRap [RR]	
Retain Wall/Bank Stb [EHB]	
Sandbags [SB]	
Wood [W]	
Bark_Mulch [BM]	
Asphalt [AS]	
Dyke [DY]	
Till [T]	
Fines [F]	
Gravel [G]	
Cobble [CB]	
Boulder [B]	
Bed_Rock [BR]	
Other [O]	
R_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
R_Comment	Text, Maximum Length = 100, Comment Right Bank Riparian Normal, Normal
	Separator
FLORA_FAUNA	Separator
CmntFlora	Text, Maximum Length = 100, Flora Comment Normal, Normal
CmntFauna	Text, Maximum Length = 100, Fauna Comment Normal, Normal
	Separator
LEVEL_OF_IMPACT	Separator
Impact_rating	Menu, Required, Required
Nil [6]	
1_bank_low [5]	
1_bank_mod [4]	
1_bank_high [3]	
Both_banks_low [2]	
Both_banks_mod [1]	
Both_banks_high [0]	
LOI_Comment	Text, Maximum Length = 100, Comment_lev_impact Normal, Normal
	Separator
ENHANCE_OPP_RATING	Separator
Opportunity_Rating	Menu, Required, Required, Enhancement and Restoration
Nil [0]	
Low [1]	
Moderate [2]	
High [3]	
Very_high [4]	
Comment	Text, Maximum Length = 100 Normal, Normal
POINT	Point Feature, Label 1 = Type_Point, Label 2 = Point_number Nested Point type
Type_Point	Menu, Required, Required, Point Type Code
Location Point [L]	
Start Point [S]	
End Point [E]	
Reference Point [RP]	
Bench Mark [BM]	
Monument [MT]	
Map Tie Point [MTP]	
Reach Break [R]	
Riparian Band [RB]	
Segment Break [SB]	
Elevation [Alt]	
Left Top of Bank [LTOB]	
Right Top of Bank [RTOB]	
Point_number	Numeric, Decimal Places = 1, unique point identification number Minimum = 0, Maximum = 99999, Default Value = 0 Required, Required
Distance	Numeric, Decimal Places = 2, Distance to last point for chain survey

	Minimum = 0, Maximum = 1000, Default Value = 0
	Normal, Normal
Bearing	Numeric, Decimal Places = 0, Compass bearing to last point
	Minimum = 0, Maximum = 360, Default Value = 0
	Normal, Normal
Gradient	Numeric, Decimal Places = 0, Gradient to last point for chain survey
	Minimum = 0, Maximum = 90, Default Value = 0
	Normal, Normal
Elevation	Numeric, Decimal Places = 0, Altimeter elevation in meters
	Minimum = 0, Maximum = 2000, Default Value = 0
	Normal, Normal
Comments	Text, Maximum Length = 100
	Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number of photograph
	Normal, Normal
Photo_File	File Name, Normal, Normal
CROSS-SECTION	Point Feature, Label 1 = Point_number
CROSS_SECTION_POINT	Separator
Point_number	Numeric, Decimal Places = 1, unique point identification number
	Minimum = 0, Maximum = 99999, Default Value = 0
	Required, Required
Velocity	Numeric, Decimal Places = 1, average velocity feet per second
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Flow	Numeric, Decimal Places = 1, cubic feet per second
	Minimum = 0, Maximum = 10000, Default Value = 0
	Normal, Normal
Flow_method	Menu, Normal, Normal
Float [F]	
Hydraulic Head [H]	
Flow meter [M]	
Other [O]	
Comments	Text, Maximum Length = 100, general comments
	Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number
	Normal, Normal
Photo_File	File Name, Normal, Normal
	Separator
SUBSTRATE	Separator
Sub_Organic	Numeric, Decimal Places = 0
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Sub_Fines	Numeric, Decimal Places = 0
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Sub_Gravel	Numeric, Decimal Places = 0
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Sub_Cobble	Numeric, Decimal Places = 0
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Sub_Blder	Numeric, Decimal Places = 0, substrate boulder
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Sub_BedRk	Numeric, Decimal Places = 0
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
Compaction	Menu, Normal, Normal, Level of substrate compaction
Low [L]	
Medium [M]	
High [H]	
CommntSub	Text, Maximum Length = 100
	Normal, Normal
	Separator
CHANNEL	Separator
Width_W	Numeric, Decimal Places = 2, wetted width
	Minimum = 0, Maximum = 100, Default Value = 0
	Required, Required
Width_BF	Numeric, Decimal Places = 2, Bank full width
	Minimum = 0, Maximum = 100, Default Value = 0
	Required, Required
Width_LFP	Numeric, Decimal Places = 2, left flood plain width
	Minimum = 0, Maximum = 1000, Default Value = 0
	Normal, Normal
Width_RFP	Numeric, Decimal Places = 2, right flood plain width

	Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Depth_W	Numeric, Decimal Places = 2, Wetted depth Minimum = 0, Maximum = 10, Default Value = 0 Required, Required
Depth_BF	Numeric, Decimal Places = 2, Bankfull depth Minimum = 0, Maximum = 10, Default Value = 0 Required, Required
Depth_FP	Numeric, Decimal Places = 2, Flood plain depth Minimum = 0, Maximum = 10, Default Value = 0 Normal, Normal
Comt_Chan	Text, Maximum Length = 100, Comment for Channel Normal, Normal Separator
DETAILED_CHANNEL	Separator, Detailed channel cross-section
SCL_Depth	Numeric, Decimal Places = 2 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
CL1_Width	Numeric, Decimal Places = 2, Width at CL1 Minimum = 0, Maximum = 20, Default Value = 0 Normal, Normal
CL1_Depth	Numeric, Decimal Places = 2, Depth at CL1 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
CL2_Width	Numeric, Decimal Places = 2, Width at CL2 Minimum = 0, Maximum = 20, Default Value = 0 Normal, Normal
CL2_Depth	Numeric, Decimal Places = 2, Depth at CL2 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
CL3_Width	Numeric, Decimal Places = 2, Width at CL3 Minimum = 0, Maximum = 20, Default Value = 0 Normal, Normal
CL3_Depth	Numeric, Decimal Places = 2, Depth at CL3 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
WETL_Width	Numeric, Decimal Places = 2 Minimum = 0, Maximum = 100, Default Value = 0 Normal, Normal
CR1_Width	Numeric, Decimal Places = 2, Width at CR1 Minimum = 0, Maximum = 20, Default Value = 0 Normal, Normal
CR1_Depth	Numeric, Decimal Places = 2, Depth at CR1 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
CR2_Width	Numeric, Decimal Places = 2, Width at CR2 Minimum = 0, Maximum = 20, Default Value = 0 Normal, Normal
CR2_Depth	Numeric, Decimal Places = 2, Depth at CR2 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
CR3_Width	Numeric, Decimal Places = 2, Width at CR3 Minimum = 0, Maximum = 20, Default Value = 0 Normal, Normal
CR3_Depth	Numeric, Decimal Places = 2, Depth at CR3 Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
WETR_Width	Numeric, Decimal Places = 2 Minimum = 0, Maximum = 100, Default Value = 0 Normal, Normal
BF_Width	Numeric, Decimal Places = 2, Bank full width Minimum = 0, Maximum = 30, Default Value = 0 Normal, Normal
BF_Elevation	Numeric, Decimal Places = 2, Bank full Elevation Minimum = -10, Maximum = 10, Default Value = 0 Normal, Normal
LFP_Width	Numeric, Decimal Places = 2, left flood plain width Minimum = 0, Maximum = 200, Default Value = 0 Normal, Normal
RFP_Width	Numeric, Decimal Places = 2, right flood plain width Minimum = 0, Maximum = 200, Default Value = 0 Normal, Normal
FP_Elevation	Numeric, Decimal Places = 2, Flood plain elevation Minimum = 0, Maximum = 25, Default Value = 0 Normal, Normal
Comt_EChan	Text, Maximum Length = 100, Extra Channel comments

	Normal, Normal
	Separator
EXTRA_LEFT_BAND	Separator
LX_BandWidth	Numeric, Decimal Places = 2, left extra band width Minimum = 0, Maximum = 10, Default Value = 0 Normal, Normal
LX_Slope	Numeric, Decimal Places = 0, degrees Minimum = -100, Maximum = 100, Default Value = 0 Normal, Normal
LX_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
LX1_BandWidth	Numeric, Decimal Places = 2, left extra band width Minimum = 0, Maximum = 10, Default Value = 0 Normal, Normal
LX1_Slope	Numeric, Decimal Places = 0, degrees Minimum = -100, Maximum = 100, Default Value = 0 Normal, Normal
LX1_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
LX_Comment	Text, Maximum Length = 100, Comment left extra band Normal, Normal
	Separator
LEFT_RIPARIAN_BAND1	Separator
L_Bearing	Numeric, Decimal Places = 0, Compass bearing from last point Minimum = 0, Maximum = 360, Default Value = 0 Normal, Normal
L_RipClass	Menu, Required, Required, Riparian Class
Row Crops [NAG]	
Broadleaf forest [VBF]	
Bryophytes [VCR]	
Coniferous forest [VNF]	
Planted Tree Farm [NTF]	
Disturbed wetland [DWN]	
Dug out pond [DOP]	
Exposed soil [NEL]	
Flood plain [VFP]	
Herbs/grasses [VHB]	
High Impervious [NHR]	
Medium Impervious [NMR]	
Low Impervious [NLR]	
Mixed forest [VMF]	
Natural wetland [WN]	
Rock [NNB]	
Shrubs [VSH]	
L_Qualifier	Menu, Normal, Normal, Riparian Class Qualifier
Agriculture [ag]	
Natural [n]	
Urban_Residential [ur]	
Rural_Residential [ru]	
Recreation [r]	
Disturbed [d]	
Unknown [u]	
L_BandWidth	Numeric, Decimal Places = 2 Minimum = 0, Maximum = 9999, Default Value = 0 Normal, Normal
L_BankSlope	Numeric, Decimal Places = 0 Minimum = -100, Maximum = 100, Default Value = 0 Normal, Normal
L_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
L_Stage	Menu, Normal, Normal, Structural Stage
Sparse Bryoid [1]	
Grass / Herb [2]	
low shrubs <2m [3a]	
tall shrubs 2-10m [3b]	
sapling >10m [4]	
young forest [5]	
mature forest [6]	
old forest [7]	
L_Shrubs	Menu, Normal, Normal, Density of shrubs
<5% [VL]	
5-33% [L]	
34-66% [M]	

67-100% [H]
L_Snag Menu, Normal, Normal, Presence of Snags
No
<5
>=5
L_Veteran Menu, Normal, Normal, Veteran trees
No
<5
>=5
L_BkStbility Menu, Normal, Normal, Bank Stability
High [H]
Medium [M]
Low [L]
L_Bank_Material Menu, Normal, Normal
Concrete [C]
Gabions [GB]
Pilings [P]
Stonework [S]
RipRap [RR]
Retain Wall/Bank Stb [EHB]
Sandbags [SB]
Wood [W]
Bark_Mulch [BM]
Asphalt [AS]
Dyke [DY]
Till [T]
Fines [F]
Gravel [G]
Cobble [CB]
Boulder [B]
Bed_Rock [BR]
Other [O]
L_Comment Text, Maximum Length = 100, Comments Left bank riparian
Normal, Normal
Separator
LEFT_RIPARIAN_BAND2 Separator
L2_RipClass Menu, Normal, Normal, Riparian Class
Row Crops [NAG]
Broadleaf forest [VBF]
Bryophytes [VCR]
Coniferous forest [VNF]
Planted Tree Farm [NTF]
Disturbed wetland [DWN]
Dug out pond [DOP]
Exposed soil [NEL]
Flood plain [VFP]
Herbs/grasses [VHB]
High Impervious [NHR]
Medium Impervious [NMR]
Low Impervious [NLR]
Mixed forest [VMF]
Natural wetland [WN]
Rock [NNB]
Shrubs [VSH]
L2_Qualifier Menu, Normal, Normal, Riparian Class Qualifier
Agriculture [ag]
Natural [n]
Urban_Residential [ur]
Rural_Residential [ru]
Recreation [r]
Disturbed [d]
Unknown [u]
L2_BandWidth Numeric, Decimal Places = 2
Minimum = 0, Maximum = 9999, Default Value = 0
Normal, Normal
L2_BankSlope Numeric, Decimal Places = 0
Minimum = -100, Maximum = 100, Default Value = 0
Normal, Normal
L2_Top_Bank Menu, Normal, Normal, Estimated top of bank
Yes
No
L2_Stage Menu, Normal, Normal, Structural Stage
Sparse Bryoid [1]
Grass / Herb [2]
low shrubs <2m [3a]
tall shrubs 2-10m [3b]

sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

L2_Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

L2_Snag Menu, Normal, Normal, Presence of Snags
 No
 <5
 >=5

L2_Veteran Menu, Normal, Normal, Veteran trees
 No
 <5
 >=5

L2_BkStbility Menu, Normal, Normal, Bank Stability
 High [H]
 Medium [M]
 Low [L]

L2_Comment Text, Maximum Length = 100, Comments Left bank riparian
 Normal, Normal
 Separator

LEFT_RIPARIAN_BAND3 Separator

L3_RipClass Menu, Normal, Normal, Riparian Class
 Row Crops [NAG]
 Broadleaf forest [VBF]
 Bryophytes [VCR]
 Coniferous forest [VNF]
 Planted Tree Farm [NTF]
 Disturbed wetland [DWN]
 Dug out pond [DOP]
 Exposed soil [NEL]
 Flood plain [VFP]
 Herbs/grasses [VHB]
 High Impervious [NHR]
 Medium Impervious [NMR]
 Low Impervious [NLR]
 Mixed forest [VMF]
 Natural wetland [WN]
 Rock [NNB]
 Shrubs [VSH]

L3_Qualifier Menu, Normal, Normal, Riparian Class Qualifier
 Agriculture [ag]
 Natural [n]
 Urban_Residential [ur]
 Rural_Residential [ru]
 Recreation [r]
 Disturbed [d]
 Unknown [u]

L3_BandWidth Numeric, Decimal Places = 2
 Minimum = 0, Maximum = 9999, Default Value = 0
 Normal, Normal

L3_BankSlope Numeric, Decimal Places = 0
 Minimum = -100, Maximum = 100, Default Value = 0
 Normal, Normal

L3_Top_Bank Menu, Normal, Normal, Estimated top of bank
 Yes
 No

L3_Stage Menu, Normal, Normal, Structural Stage
 Sparse Bryoid [1]
 Grass / Herb [2]
 low shrubs <2m [3a]
 tall shrubs 2-10m [3b]
 sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

L3_Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

L3_Snag Menu, Normal, Normal, Presence of Snags
 No

```

<5
>=5
L3_Veteran      Menu, Normal, Normal, Veteran trees
  No
  <5
  >=5
L3_BkStbility  Menu, Normal, Normal, Bank Stability
  High [H]
  Medium [M]
  Low [L]
L3_Comment      Text, Maximum Length = 100, Comments Left bank riparian
                Normal, Normal
                Separator
LEFT_RIPARIAN_BAND4  Separator
L4_RipClass     Menu, Normal, Normal, Riparian Class
  Row Crops [NAG]
  Broadleaf forest [VBF]
  Bryophytes [VCR]
  Coniferous forest [VNF]
  Planted Tree Farm [NTF]
  Disturbed wetland [DWN]
  Dug out pond [DOP]
  Exposed soil [NEL]
  Flood plain [VFP]
  Herbs/grasses [VHB]
  High Impervious [NHR]
  Medium Impervious [NMR]
  Low Impervious [NLR]
  Mixed forest [VMF]
  Natural wetland [WN]
  Rock [NNB]
  Shrubs [VSH]
L4_Qualifier    Menu, Normal, Normal, Riparian Class Qualifier
  Agriculture [ag]
  Natural [n]
  Urban_Residential [ur]
  Rural_Residential [ru]
  Recreation [r]
  Disturbed [d]
  Unknown [u]
L4_BandWidth    Numeric, Decimal Places = 2
                Minimum = 0, Maximum = 9999, Default Value = 0
                Normal, Normal
L4_BankSlope    Numeric, Decimal Places = 0
                Minimum = -100, Maximum = 100, Default Value = 0
                Normal, Normal
L4_Top_Bank     Menu, Normal, Normal, Estimated top of bank
  Yes
  No
L4_Stage        Menu, Normal, Normal, Structural Stage
  Sparse Bryoid [1]
  Grass / Herb [2]
  low shrubs <2m [3a]
  tall shrubs 2-10m [3b]
  sapling >10m [4]
  young forest [5]
  mature forest [6]
  old forest [7]
L4_Shrubs       Menu, Normal, Normal, Density of shrubs
  <5% [VL]
  5-33% [L]
  34-66% [M]
  67-100% [H]
L4_Snag         Menu, Normal, Normal, Presence of Snags
  No
  <5
  >=5
L4_Veteran      Menu, Normal, Normal, Veteran trees
  No
  <5
  >=5
L4_BkStbility  Menu, Normal, Normal, Bank Stability
  High [H]
  Medium [M]
  Low [L]
L4_Comment      Text, Maximum Length = 100, Comments Left bank riparian

```

	Normal, Normal
	Separator
EXTRA_RIGHT_BAND	Separator
RX_BandWidth	Numeric, Decimal Places = 2, right extra band width Minimum = 0, Maximum = 20, Default Value = 0
	Normal, Normal
RX_Slope	Numeric, Decimal Places = 0 Minimum = -100, Maximum = 100, Default Value = 0
	Normal, Normal
RX_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
RX1_BandWidth	Numeric, Decimal Places = 2, right extra band width Minimum = 0, Maximum = 20, Default Value = 0
	Normal, Normal
RX1_Slope	Numeric, Decimal Places = 0 Minimum = -100, Maximum = 100, Default Value = 0
	Normal, Normal
RX1_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
RX_Comment	Text, Maximum Length = 100, Comment right extra band
	Normal, Normal
	Separator
RIGHT_RIPARIAN_BAND1	Separator
R_Bearing	Numeric, Decimal Places = 0, Compass bearing from last point Minimum = 0, Maximum = 360, Default Value = 0
	Normal, Normal
R_RipClass	Menu, Required, Required, Riparian Class
Row Crops [NAG]	
Broadleaf forest [VBF]	
Bryophytes [VCR]	
Coniferous forest [VNF]	
Planted Tree Farm [NTF]	
Disturbed wetland [DWN]	
Dug out pond [DOP]	
Exposed soil [NEL]	
Flood plain [VFP]	
Herbs/grasses [VHB]	
High Impervious [NHR]	
Medium Impervious [NMR]	
Low Impervious [NLR]	
Mixed forest [VMF]	
Natural wetland [WN]	
Rock [NNB]	
Shrubs [VSH]	
R_Qualifier	Menu, Normal, Normal, Riparian Class Qualifier
Agriculture [ag]	
Natural [n]	
Urban_Residential [ur]	
Rural_Residential [ru]	
Recreation [r]	
Disturbed [d]	
Unknown [u]	
R_BandWidth	Numeric, Decimal Places = 2 Minimum = 0, Maximum = 9999, Default Value = 0
	Normal, Normal
R_BankSlope	Numeric, Decimal Places = 0 Minimum = -100, Maximum = 100, Default Value = 0
	Normal, Normal
R_Top_Bank	Menu, Normal, Normal, Estimated top of bank
Yes	
No	
R_Stage	Menu, Normal, Normal, Structural Stage
Sparse Bryoid [1]	
Grass / Herb [2]	
low shrubs <2m [3a]	
tall shrubs 2-10m [3b]	
sapling >10m [4]	
young forest [5]	
mature forest [6]	
old forest [7]	
R_Shrubs	Menu, Normal, Normal, Density of shrubs
<5% [VL]	
5-33% [L]	
34-66% [M]	

67-100% [H]
R_Snag Menu, Normal, Normal, Presence of Snags
No
<5
>=5
R_Veteran Menu, Normal, Normal, Veteran trees
No
<5
>=5
R_BkStbility Menu, Normal, Normal, Bank Stability
High [H]
Medium [M]
Low [L]
R_Bank_Material Menu, Normal, Normal
Concrete [C]
Gabions [GB]
Pilings [P]
Stonework [S]
RipRap [RR]
Retain Wall/Bank Stb [EHB]
Sandbags [SB]
Wood [W]
Bark_Mulch [BM]
Asphalt [AS]
Dyke [DY]
Till [T]
Fines [F]
Gravel [G]
Cobble [CB]
Boulder [B]
Bed_Rock [BR]
Other [O]
R_Comment Text, Maximum Length = 100, Comment Right bank riparian
Normal, Normal
Separator
RIGHT_RIPARIAN_BAND2 Separator
R2_RipClass Menu, Normal, Normal, Riparian Class
Row Crops [NAG]
Broadleaf forest [VBF]
Bryophytes [VCR]
Coniferous forest [VNF]
Planted Tree Farm [NTF]
Disturbed wetland [DWN]
Dug out pond [DOP]
Exposed soil [NEL]
Flood plain [VFP]
Herbs/grasses [VHB]
High Impervious [NHR]
Medium Impervious [NMR]
Low Impervious [NLR]
Mixed forest [VMF]
Natural wetland [WN]
Rock [NNB]
Shrubs [VSH]
R2_Qualifier Menu, Normal, Normal, Riparian Class Qualifier
Agriculture [ag]
Natural [n]
Urban_Residential [ur]
Rural_Residential [ru]
Recreation [r]
Disturbed [d]
Unknown [u]
R2_BandWidth Numeric, Decimal Places = 2
Minimum = 0, Maximum = 9999, Default Value = 0
Normal, Normal
R2_BankSlope Numeric, Decimal Places = 0
Minimum = -100, Maximum = 100, Default Value = 0
Normal, Normal
R2_Top_Bank Menu, Normal, Normal, Estimated top of bank
Yes
No
R2_Stage Menu, Normal, Normal, Structural Stage
Sparse Bryoid [1]
Grass / Herb [2]
low shrubs <2m [3a]
tall shrubs 2-10m [3b]

sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

R2_Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

R2_Snag Menu, Normal, Normal, Presence of Snags
 No
 <5
 >=5

R2_Veteran Menu, Normal, Normal, Veteran trees
 No
 <5
 >=5

R2_BkStbility Menu, Normal, Normal, Bank Stability
 High [H]
 Medium [M]
 Low [L]

R2_Comment Text, Maximum Length = 100, Comment Right bank riparian
 Normal, Normal
 Separator

RIGHT_RIPARIAN_BAND3 Separator

R3_RipClass Menu, Normal, Normal, Riparian Class
 Row Crops [NAG]
 Broadleaf forest [VBF]
 Bryophytes [VCR]
 Coniferous forest [VNF]
 Planted Tree Farm [NTF]
 Disturbed wetland [DWN]
 Dug out pond [DOP]
 Exposed soil [NEL]
 Flood plain [VFP]
 Herbs/grasses [VHB]
 High Impervious [NHR]
 Medium Impervious [NMR]
 Low Impervious [NLR]
 Mixed forest [VMF]
 Natural wetland [WN]
 Rock [NNB]
 Shrubs [VSH]

R3_Qualifier Menu, Normal, Normal, Riparian Class Qualifier
 Agriculture [ag]
 Natural [n]
 Urban_Residential [ur]
 Rural_Residential [ru]
 Recreation [r]
 Disturbed [d]
 Unknown [u]

R3_BandWidth Numeric, Decimal Places = 2
 Minimum = 0, Maximum = 9999, Default Value = 0
 Normal, Normal

R3_BankSlope Numeric, Decimal Places = 0
 Minimum = -100, Maximum = 100, Default Value = 0
 Normal, Normal

R3_Top_Bank Menu, Normal, Normal, Estimated top of bank
 Yes
 No

R3_Stage Menu, Normal, Normal, Structural Stage
 Sparse Bryoid [1]
 Grass / Herb [2]
 low shrubs <2m [3a]
 tall shrubs 2-10m [3b]
 sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

R3_Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

R3_Snag Menu, Normal, Normal, Presence of Snags
 No

```

<5
>=5
R3_Veteran      Menu, Normal, Normal, Veteran trees
  No
  <5
  >=5
R3_BkStbility  Menu, Normal, Normal, Bank Stability
  High [H]
  Medium [M]
  Low [L]
R3_Comment     Text, Maximum Length = 100, Comment Right bank riparian
              Normal, Normal
              Separator
RIGHT_RIPARIAN_BAND4  Separator
R4_RipClass    Menu, Normal, Normal, Riparian Class
  Row Crops [NAG]
  Broadleaf forest [VBF]
  Bryophytes [VCR]
  Coniferous forest [VNF]
  Planted Tree Farm [NTF]
  Disturbed wetland [DWN]
  Dug out pond [DOP]
  Exposed soil [NEL]
  Flood plain [VFP]
  Herbs/grasses [VHB]
  High Impervious [NHR]
  Medium Impervious [NMR]
  Low Impervious [NLR]
  Mixed forest [VMF]
  Natural wetland [WN]
  Rock [NNB]
  Shrubs [VSH]
R4_Qualifier   Menu, Normal, Normal, Riparian Class Qualifier
  Agriculture [ag]
  Natural [n]
  Urban_Residential [ur]
  Rural_Residential [ru]
  Recreation [r]
  Disturbed [d]
  Unknown [u]
R4_BandWidth   Numeric, Decimal Places = 2
              Minimum = 0, Maximum = 9999, Default Value = 0
              Normal, Normal
R4_BankSlope   Numeric, Decimal Places = 0
              Minimum = -100, Maximum = 100, Default Value = 0
              Normal, Normal
R4_Top_Bank    Menu, Normal, Normal, Estimated top of bank
  Yes
  No
R4_Stage       Menu, Normal, Normal, Structural Stage
  Sparse Bryoid [1]
  Grass / Herb [2]
  low shrubs <2m [3a]
  tall shrubs 2-10m [3b]
  sapling >10m [4]
  young forest [5]
  mature forest [6]
  old forest [7]
R4_Shrubs      Menu, Normal, Normal, Density of shrubs
  <5% [VL]
  5-33% [L]
  34-66% [M]
  67-100% [H]
R4_Snag        Menu, Normal, Normal, Presence of Snags
  No
  <5
  >=5
R4_Veteran     Menu, Normal, Normal, Veteran trees
  No
  <5
  >=5
R4_BkStbility  Menu, Normal, Normal, Bank Stability
  High [H]
  Medium [M]
  Low [L]
R4_Comment     Text, Maximum Length = 100, Comment Right bank riparian

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	Normal, Normal Separator
FLORA_FAUNA	Separator
CmntFlora	Text, Maximum Length = 100, Flora Comment
	Normal, Normal
CmntFauna	Text, Maximum Length = 100, Fauna Comment
	Normal, Normal
Culvert	Point Feature, Label 1 = Point_number, Label 2 = Type_Culvert
Point_number	Numeric, Decimal Places = 1, unique point identification number Minimum = 0, Maximum = 99999, Default Value = 0 Required, Required
Type_Culvert	Menu, Normal, Normal, Type of culvert
Box Culvert [BC]	
Gated Inlet [GI]	
Gated Outlet [GO]	
Gated Multiple Inlet [GMI]	
Gated Multiple Out [GMO]	
Inlet [I]	
Inlet Stacked [IS]	
Multiple Inlet [MI]	
Multiple Outlet [MO]	
Outlet [O]	
Outlet Stacked [OS]	
Owner	Menu, Normal, Normal
Municipal [MU]	
Private [PR]	
Condition	Menu, Normal, Normal, condition of culvert
Good [G]	
Partially Collapsed [P]	
Collapsed/Plugged [C]	
Barrier	Menu, Required, Required, Obstructs fish passage
Yes [Y]	
No [N]	
Potential [P]	
unknown	Default
Material	Menu, Required, Required, Culvert material
Concrete [C]	
Steel [S]	
Wood [W]	
Iron [I]	
Metal_Concrete [MC]	
PVC [P]	
Asphalt coded [AD]	
Corrugated Steel [CS]	
Other [O]	
Substrate	Menu, Normal, Normal, substrate within culvert
Boulders [B]	
Cobbles [C]	
Fines [F]	
Gravels [G]	
Mixed [M]	
Same as Culvert [S]	
Form	Menu, Normal, Normal, Shape of culvert
Circular [C]	
Rectangular [R]	
Arch [A]	
Vertical Ellipse [V]	
Horizontal Ellipse [H]	
Other [O]	
Length	Numeric, Decimal Places = 2, Feature length Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Width	Numeric, Decimal Places = 2, Width of Feature Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Height	Numeric, Decimal Places = 2, Height of culvert above streambed Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Depth	Numeric, Decimal Places = 2, Depth of plunge pool Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Diameter	Numeric, Decimal Places = 2, Diameter of culvert Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
ScreenSize	Numeric, Decimal Places = 2

Minimum = 0, Maximum = 100, DefaultValue = 0
 Normal, Normal
 StormOutlets Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 999, Default Value = 0
 Normal, Normal
 Headwall Menu, Normal, Normal, Does a headwall exist
 Concrete [C]
 Concrete Block [CB]
 Gabion [G]
 Sand bag [SB]
 Wood [W]
 Till [T]
 Rip_rap [RR]
 Stonework [ST]
 Apron Menu, Normal, Normal, Does an apron exist
 Yes [Y]
 No [N] Default
 Baffles Menu, Normal, Normal, Do baffles exist
 Yes [Y]
 No [N] Default
 Comments Text, Maximum Length = 100
 Normal, Normal
 PhotoNum Text, Maximum Length = 10, Roll and print number of photograph
 Normal, Normal
 Photo_File File Name, Normal, Normal
 Obstruction Point Feature, Label 1 = Point_number, Label 2 = Type_Obstruction
 Point_number Numeric, Decimal Places = 1, unique point identification number
 Minimum = 0, Maximum = 99999, Default Value = 0
 Required, Required
 Type_Obstruction Menu, Normal, Normal, Code for feature
 Beaver Dam [BD]
 Canyon [CN]
 Cascade [C]
 Dam [D]
 Falls [F]
 Fences [FE]
 Hydro Dam [HD]
 Log Jam [X]
 Persistent Debris [PD]
 Pump [PU]
 Rock [R]
 Velocity Barrier [VB]
 Other [OT]
 Bank Menu, Normal, Normal
 Both [B]
 Instream [I]
 Left [L]
 Right [R]
 Barrier Menu, Required, Required, Obstructs fish passage
 Yes [Y]
 Potential [P]
 unknown Default
 Length Numeric, Decimal Places = 2, Feature length
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal
 Width Numeric, Decimal Places = 2, Width of Feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal
 Depth Numeric, Decimal Places = 2, Depth of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal
 Diameter Numeric, Decimal Places = 2, Diameter of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal
 Height Numeric, Decimal Places = 2, Height of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal
 Slope Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 90, Default Value = 0
 Normal, Normal
 ScreenSize Numeric, Decimal Places = 2
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal
 PhotoNum Text, Maximum Length = 10, Roll and print number of photograph
 Normal, Normal

Photo_File File Name, Normal, Normal
 Comments Text, Maximum Length = 100
 Normal, Normal

Modification Point Feature, Label 1 = Point_number, Label 2 = Type_Modification
 Point_number Numeric, Decimal Places = 1, unique point identification number
 Minimum = 0, Maximum = 99999, Default Value = 0
 Required, Required

Type_Modification Menu, Normal, Normal, Code for feature
 Bridge [BR]
 Catchbasin [CB]
 Channelization [HOC]
 Dam [HOD]
 Detention Pond [DP]
 Dock [DK]
 Dredging [HBDD]
 Fences [HOF]
 FloodGate [FG]
 Garbage/Pollution [WP]
 Gravel Pit [GP]
 Livestock Crossing [LC]
 Livestock Access [LA]
 Logging [LG]
 PipeCrossing [PL]
 Pump Station [PS]
 Retain Wall/Bank Stb [EHB]
 Rip_Rap [RR]
 Road [R]
 Trail [TR]
 Water Withdrawal [FUP]
 Other [O]

Bank Menu, Normal, Normal
 Both [B]
 Instream [I]
 Left [L]
 Right [R]

Type_Material Menu, Normal, Normal
 Concrete [C]
 Gabions [GB]
 Pilings [P]
 Stonework [S]
 Sandbags [SB]
 Wood [W]
 Gravel [G]
 Bark_Mulch [BM]
 Asphalt [AS]
 Dyke [DY]
 Other [O]

Length Numeric, Decimal Places = 2, Feature length
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Width Numeric, Decimal Places = 2, Width of Feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Height Numeric, Decimal Places = 2, Height of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

PhotoNum Text, Maximum Length = 10, Roll and print number of photograph
 Normal, Normal

Photo_File File Name, Normal, Normal
 Comments Text, Maximum Length = 100
 Normal, Normal

Discharge Point Feature, Label 1 = Point_number, Label 2 = Type_Discharge
 Point_number Numeric, Decimal Places = 1, unique point identification number
 Minimum = 0, Maximum = 99999, Default Value = 0
 Required, Required

Type_Discharge Menu, Normal, Normal, Code for feature
 Agricultural Runoff [WPA]
 HouseEffluent [WE]
 Landfill Leachates [WPML]
 Pollutant [WP]
 Pulp Mill/Effluent [WPP]
 Storm Drain [WPD]
 Septic Effluent [WPMP]
 Tile Drain [WPI]

Trench [WPE]
 Other [O]

Bank Menu, Normal, Normal
 Both [B]
 Instream [I]
 Left [L]
 Right [R]

Material Menu, Required, Required, Culvert material
 Concrete [C]
 Steel [S]
 Wood [W]
 Iron [I]
 PVC [P]
 Asphalt coded [AD]
 Corrugated Steel [CS]
 Other [O]

Headwall Menu, Normal, Normal, Does a headwall exist
 Concrete [C]
 Concrete Block [CB]
 Gabion [G]
 Sand bag [SB]
 Wood [W]
 Till [T]
 Rip_rap [RR]
 Stonework [ST]

Length Numeric, Decimal Places = 2, Feature length
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Width Numeric, Decimal Places = 2, Width of Feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Diameter Numeric, Decimal Places = 2, Diameter of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Height Numeric, Decimal Places = 2, Height of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Temperature Numeric, Decimal Places = 2, Water temperature
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

PhotoNum Text, Maximum Length = 10, Roll and print number of photograph
 Normal, Normal

Photo_File File Name, Normal, Normal

Comments Text, Maximum Length = 100
 Normal, Normal

Erosion Point Feature, Label 1 = Point_number, Label 2 = Source_Erosion

Point_number Numeric, Decimal Places = 1, unique point identification number
 Minimum = 0, Maximum = 99999, Default Value = 0
 Required, Required

Source_Erosion Menu, Normal, Normal, Code for feature
 Bank Erosion [HCEB]
 Culvert [CV]
 Headwall [H]
 Lack of Riparian Veg [WDL]
 Livestock Access [WDC]
 Streamside Grazing [WDG]
 Landslide
 Debris flow/torrent
 Sloughing
 Other [O]

Bank Menu, Normal, Normal
 Both [B]
 Instream [I]
 Left [L]
 Right [R]

Severity Menu, Required, Required
 <5m sq [L]
 5-10m sq [M]
 >10m sq [S]

Exposure Menu, Normal, Normal
 Clay [C]
 Silt [Si]
 Till [T]
 Bedrock [B]
 Roots [R]

Soil [S]	
Other [O]	
Length	Numeric, Decimal Places = 2, Feature length Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Width	Numeric, Decimal Places = 2, Width of Feature Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Height	Numeric, Decimal Places = 2, Height of feature Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Slope Degrees	Numeric, Decimal Places = 0 Minimum = 0, Maximum = 90, Default Value = 0 Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number of photograph Normal, Normal
Photo_File	File Name, Normal, Normal
Comments	Text, Maximum Length = 100 Normal, Normal
Fish_Habitat	Point Feature, Label 1 = Point_number, Label 2 = Type_Habitat
Point_number	Numeric, Decimal Places = 1, unique point identification number Minimum = 0, Maximum = 99999, Default Value = 0 Required, Required
Type_Habitat	Menu, Normal, Normal, Code for feature
Boulder [B]	
Deep Pool [DP]	
Instream Vegetation [IV]	
Large Woody Debris [LWD]	
Over Stream Vegetn. [OV]	
Small Woody Debris [SWD]	
Spawning Habitat [HS]	
Undercut Bank [UC]	
Other [O]	
Bank	Menu, Normal, Normal
Both [B]	
Instream [I]	
Left [L]	
Right [R]	
Length	Numeric, Decimal Places = 2, Feature length Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Width	Numeric, Decimal Places = 2, Width of Feature Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Depth	Numeric, Decimal Places = 2, Depth of feature Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number of photograph Normal, Normal
Photo_File	File Name, Normal, Normal
Comments	Text, Maximum Length = 100 Normal, Normal
Fish_Sample	Point Feature, Label 1 = Point_number, Label 2 = TrapNo
Point_number	Numeric, Decimal Places = 1, unique point identification number Minimum = 0, Maximum = 99999, Default Value = 0 Required, Required
TrapNo	Numeric, Decimal Places = 0, Minnow Trap number Minimum = 0, Maximum = 100, Default Value = 1 Normal, Normal
DateIn	Date, Year-Month-Day Format, Date Trap was set Normal, Normal
DateOut	Date, Year-Month-Day Format, Date Trap removed Normal, Normal
Method	Menu, Normal, Normal, Method of detection
Visual [V]	
Trap [T]	
Other [O]	
Species	Menu, Normal, Normal, Code for fish species
General Fish Observn [FSH]	
Bull trout [BT]	
Coho [CO]	
Chinook [CH]	
Chum [CM]	
Cutthroat Trout [CT]	

Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_total Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Redd Menu, Normal, Normal, Presence of redd
 Yes [Y]
 No [N]

PhotoNum Text, Maximum Length = 10, Roll and print number of photograph
 Normal, Normal

Photo_File File Name, Normal, Normal
 Comments Text, Maximum Length = 100
 Normal, Normal
 Separator

SPECIES 1 Separator
 Sp_1 Menu, Normal, Normal, Code for fish species
 General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_1 Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Age_1 Menu, Normal, Normal, Life history stage of fish
 Juvenile [J]
 Immature [I]
 Mature [M]
 Spawning [SPW]
 Spent [S]
 Varied [V]
 Mort [Mt]

ForkLth_1 Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal
 Separator

SPECIES 2 Separator
 Sp_2 Menu, Normal, Normal, Code for fish species
 General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]

Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_2 Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Age_2 Menu, Normal, Normal, Life history stage of fish
 Juvenile [J]
 Immature [I]
 Mature [M]
 Spawning [SPW]
 Spent [S]
 Varied [V]
 Mort [Mt]

ForkLth_2 Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal
 Separator

SPECIES 3 Separator

Sp_3 Menu, Normal, Normal, Code for fish species
 General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_3 Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Age_3 Menu, Normal, Normal, Life history stage of fish
 Juvenile [J]
 Immature [I]
 Mature [M]
 Spawning [SPW]
 Spent [S]
 Varied [V]
 Mort [Mt]

ForkLth_3 Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal
 Separator

SPECIES 4 Separator

Sp_4 Menu, Normal, Normal, Code for fish species
 General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]

Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_4 Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Age_4 Menu, Normal, Normal, Life history stage of fish

Juvenile [J]
 Immature [I]
 Mature [M]
 Spawning [SPW]
 Spent [S]
 Varied [V]
 Mort [Mt]

ForkLth_4 Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal
 Separator

SPECIES 5 Separator

Sp_5 Menu, Normal, Normal, Code for fish species

General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]
 Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_5 Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Age_5 Menu, Normal, Normal, Life history stage of fish

Juvenile [J]
 Immature [I]
 Mature [M]
 Spawning [SPW]
 Spent [S]
 Varied [V]
 Mort [Mt]

ForkLth_5 Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal
 Separator

SPECIES 6 Separator

Sp_6 Menu, Normal, Normal, Code for fish species

General Fish Observn [FSH]
 Bull trout [BT]
 Coho [CO]
 Chinook [CH]
 Chum [CM]
 Cutthroat Trout [CT]
 Westslope Cutthroat [WCT]
 Dolly Varden [DV]
 Anadromous Dolly Var [ADV]
 Pink [PK]
 Rainbow [RB]
 Stickleback [SB]
 Salmonid [SA]
 Sculpin [CC]
 Sockeye [SK]

Steelhead [ST]
 Sucker [SU]
 Trout [TR]
 Whitefish [WF]
 Other [O]

Count_6 Numeric, Decimal Places = 0, Number of fish sampled
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Age_6 Menu, Normal, Normal, Life history stage of fish

Juvenile [J]
 Immature [I]
 Mature [M]
 Spawning [SPW]
 Spent [S]
 Varied [V]
 Mort [Mt]

ForkLth_6 Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 100, Default Value = 0
 Normal, Normal

Enhancement Point Feature, Label 1 = Point_number, Label 2 = Type_Enhance

Point_number Numeric, Decimal Places = 1, unique point identification number
 Minimum = 0, Maximum = 99999, Default Value = 0
 Required, Required

Type_Enhance Menu, Normal, Normal, Code for feature

Fishways [EOF]
 Hatchery [ECAH]
 Incubation Box [ECNX]
 LWD Placement [EHRL]
 Log/Rock Wiers [EHRI]
 Riparian Plantings [EHBP]
 Riparian Zone Fence [EHBF]
 Rock/Boulder Placeme [EHRR]
 Side Channel/Pools [EHRS]
 Spawning Gravel [EHSP]
 Veg Bank Stabilize [EHBV]
 Other [O]

Bank Menu, Normal, Normal

Both [B]
 Instream [I]
 Left [L]
 Right [R]

Status Menu, Normal, Normal, Potential or existing enhancement

Existing [E]
 Potential [P]

Length Numeric, Decimal Places = 2, Feature length
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Width Numeric, Decimal Places = 2, Width of Feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Height Numeric, Decimal Places = 2, Height of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Diameter Numeric, Decimal Places = 2, Diameter of feature
 Minimum = 0, Maximum = 1000, Default Value = 0
 Normal, Normal

Comments Text, Maximum Length = 100
 Normal, Normal

PhotoNum Text, Maximum Length = 10, Roll and print number of photograph
 Normal, Normal

Photo_File File Name, Normal, Normal

Wildlife Point Feature, Label 1 = Point_number, Label 2 = Type_Evidence

Point_number Numeric, Decimal Places = 1, unique point identification number
 Minimum = 0, Maximum = 99999, Default Value = 0
 Required, Required

Type_Evidence Menu, Normal, Normal

Calls [Cl]
 Egg masses [EM]
 Nest [Nt]
 Sighted [St]
 Scat/Droppings [Sd]
 Tracks [Tk]
 Other [O]

Class_Wildlife Menu, Normal, Normal

Amphibian	
Large Mammal	
Songbird	
Raptor	
Reptile	
Small Mammal	
Waterbirds	
Waterfowl	
Bank	Menu, Normal, Normal
Both [B]	
Instream [I]	
Left [L]	
Right [R]	
Species_Wildlife	Text, Maximum Length = 45
	Normal, Normal
CmntFauna	Text, Maximum Length = 100, Fauna Comment
	Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number
	Normal, Normal
Photo_File	File Name, Normal, Normal
Tree_Wildlife	Point Feature, Label 1 = Point_number, Label 2 = Type_Tree
Point_number	Numeric, Decimal Places = 1, unique point identification number
	Minimum = 0, Maximum = 99999, Default Value = 0
	Required, Required
Type_Tree	Menu, Normal, Normal
Coniferous	
Deciduous	
Unknown	
Veteran_tree	Menu, Normal, Normal, Point location of a veteran tree
Yes	
DBH	Numeric, Decimal Places = 2, Diameter Breast Height
	Minimum = 0, Maximum = 20, Default Value = 0
	Normal, Normal
Mast_tree	Menu, Normal, Normal
Yes	
Bank	Menu, Normal, Normal
Both [B]	
Instream [I]	
Left [L]	
Right [R]	
Nesting	Menu, Normal, Normal
Potential	
Large	
Small	
State	Menu, Normal, Normal, state of wildlife tree
Living	
Dead	
unknown	
Woodpkr_use	Menu, Normal, Normal
Yes	
Denning	Menu, Normal, Normal
Yes	
Perches	Menu, Normal, Normal
Yes	
Cavities	Menu, Normal, Normal
1	
2	
3	
4+	
CmntFlora	Text, Maximum Length = 100, Flora Comment
	Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number
	Normal, Normal
Photo_File	File Name, Normal, Normal
Waterbody	Point Feature, Label 1 = Point_number, Label 2 = Type_Waterbody
	location of an adjacent waterbody
Point_number	Numeric, Decimal Places = 1, unique point identification number
	Minimum = 0, Maximum = 99999, Default Value = 0
	Required, Required
Type_Waterbody	Menu, Normal, Normal, Code for feature
Discontinued [HMD]	
Ditch [FRT]	
Natural Springs [HMS]	
Side Channel [SC]	

Tributary [HMT]	
Wetland [HMW]	
Beaver Pond [BP]	
Other [HM]	
Bank	Menu, Normal, Normal
Both [B]	
Instream [I]	
Left [L]	
Right [R]	
Length	Numeric, Decimal Places = 2, Waterbody length Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Width	Numeric, Decimal Places = 2, Bankfull Width Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Depth	Numeric, Decimal Places = 2, Bankfull Depth Minimum = 0, Maximum = 1000, Default Value = 0 Normal, Normal
Temperature	Numeric, Decimal Places = 2, Water temperature Minimum = 0, Maximum = 100, Default Value = 0 Normal, Normal
PhotoNum	Text, Maximum Length = 10, Roll and print number of photograph Normal, Normal
Photo_File	File Name, Normal, Normal
Comments	Text, Maximum Length = 100 Normal, Normal
Water_Sample	Point Feature, Label 1 = Point_number, Label 2 = TDS
Point_number	Numeric, Decimal Places = 1, unique point identification number Minimum = 0, Maximum = 99999, Default Value = 0 Required, Required
TDS	Numeric, Decimal Places = 1, Total Dissolved Solids Minimum = 0, Maximum = 250, Default Value = 0 Normal, Normal
pH	Numeric, Decimal Places = 1 Minimum = 0, Maximum = 15, Default Value = 0 Normal, Normal
Temp	Numeric, Decimal Places = 1, Degrees Centigrade Minimum = 0, Maximum = 100, Default Value = 0 Normal, Normal
DO	Numeric, Decimal Places = 1, Dissolved Oxygen Minimum = 0, Maximum = 25, Default Value = 9 Normal, Normal
Turbidity	Menu, Normal, Normal
Clear [C]	Default
Lightly Turbid [L]	
Moderately Turbid [M]	
Turbid [T]	
Other	
Comments	Text, Maximum Length = 100 Normal, Normal
Photo_File	File Name, Normal, Normal
Photo_Location	Point Feature, Label 1 = Point_number, Label 2 = Photo_Roll_& Frame
Point_number	Numeric, Decimal Places = 1, unique point identification number Minimum = 0, Maximum = 99999, Default Value = 0 Required, Required
Photo_Roll_& Frame	Text, Maximum Length = 75 Normal, Normal
Photo_File	File Name, Normal, Normal
Photo_Direction	Menu, Normal, Normal
Upstream [U]	
Downstream [D]	
Accross_stream [X]	
Up [UP]	
Down [BD]	
Photo_Bearing	Numeric, Decimal Places = 0 Minimum = 0, Maximum = 360, Default Value = 0 Normal, Normal
Photo_Comments	Text, Maximum Length = 100 Normal, Normal
Point_generic	Point Feature, Label 1 = Comment
Comment	Text, Maximum Length = 100 Normal, Normal

WETLAND_POINT	Point Feature
Class	Menu, Normal, Normal
Shallow water	
Marsh	
Swamp	
Fen	
Bog	
Flood_High_Bench	
Flood_Mid_Bench	
Flood_Low_Bench	
Shrub_Carr	
Saline Meadow	
Form	Menu, Normal, Normal
Discharge Swamp	
Flat Swamp	
Mineral-Rise Swamp	
Riparian Swamp	
Slope Swamp	
Basin Marsh	
Hummock Marsh	
Lacustrine Marsh	
Riparian Marsh	
Slope Marsh	
Spring Marsh	
Basin Water	
Lacustrine Water	
Riparian Water	
Subform	Menu, Normal, Normal
Floodplain	
Delta	
Isolated	
Linked	
Bay	
Lagoon	
Shore	
Stream	
Discharge	
Spring	
Seepage	
Slope	
Basin Swamp	
Unconfined Swamp	
Swale Swamp	
Floodplain Swamp	
Channel Swamp	
Lacustrine Swamp	
Riverine Swamp	
Beach Ridge Swamp	
Island Swamp	
Levee Swamp	
Mound Swamp	
Floodplain Water	
Shore Water	
Stream Water	
Type	Menu, Normal, Normal
Floating_aquatic	
Submerged_aquatic	
Forb	
Grass	
Low_rush	
Reed	
Sedge	
Tall_rush	
Lichen	
Moss	
Non_vegetated	
Low_Shrub_<2-m	
Mixed_shrub	
Tall_shrub_>2-m	
Tree_Conifer	
Tree_Mixed	
Tree_Broadleaf	
Site_Assocn	Menu, Normal, Normal
Wm01	
Wm02	
Wm03	

Wm04
Wm05
Wm06
Wm07
Wm51
Ws01
Ws02
Ws03
Ws04
Ws05
Ws06
Ws07
Ws09
Ws10
Ws50
Ws51
Wa
F101
F102
F103
F104
F105
F106
F107
Fm01
Fm02
Gs01
Gs02
Gs03
Gs04
RCG
Gs00
Wm00
Ws00

No_Veg_Forms Numeric, Decimal Places = 0
Minimum = 0, Maximum = 16, Default Value = 1
Normal, Normal

Veg_Forms Text, Maximum Length = 100
Normal, Normal

Dom_Veg Text, Maximum Length = 100, Two Dominant species per form
Normal, Normal

REF_PHOTO Text, Maximum Length = 100, Roll and print number of photograph
Normal, Normal

Photo_File File Name, Normal, Normal

Comment_Unit Text, Maximum Length = 100, Comments for Unit
Normal, Normal

WETLND_POLY Area Feature, Label 1 = WetlndName, Label 2 = Poly_Src
Wetland Unit Boundary

WETLAND_REFERENCE Separator

WetlndName Text, Maximum Length = 100
Required, Required

LocalName Text, Maximum Length = 100
Normal, Normal

NumericCode Text, Maximum Length = 50
Required, Required

Organization Text, Maximum Length = 100
Normal, Normal

WtrshedCde Numeric, Decimal Places = 0, watershed code
Minimum = 0, Maximum = 100, Default Value = 0
Normal, Normal

TributaryCde Text, Maximum Length = 35, Tributary Code
Normal, Normal

ILP Text, Maximum Length = 35, Interim Locator Point (Tributary Code)
Normal, Normal

Date Date, Auto generate Create, Year-Month-Day Format
Required, Required

Time Time, Auto generate Create, 24 Hour Format
Normal, Normal

Crew Text, Maximum Length = 100
Required, Required

Weather Menu, Normal, Normal

 Light Rain [L]
 Heavy Rain [H]
 Snow/Sleet [N]
 Over cast [OV]

Clear [S]
 Partly Cloudy [PC]
 Other [O]

AirTemp Numeric, Decimal Places = 1, degrees centigrade
 Minimum = -25, Maximum = 45, Default Value = 0
 Normal, Normal

Hydr_Stage Menu, Normal, Normal
 dry
 low
 moderate
 high
 flood
 other

Fish_Frequent Menu, Normal, Normal
 Yes
 No
 Unconfirmed

Poly_Type Menu, Normal, Normal
 Trimble Default
 Garmin
 Photointerp
 Chain_Compass
 Other

Poly_Src Menu, Normal, Normal
 WIM_Ecoscape_2007
 shim2006
 shim4
 shim3
 shim2
 shim1
 trim
 DFO
 other

Comments Text, Maximum Length = 100
 Normal, Normal
 Separator

REF_PHOTO Text, Maximum Length = 100, Roll and print number of photograph
 Normal, Normal

Photo_File File Name, Normal, Normal
 Separator

BIODIVERSITY Separator

Primary Character Menu, Required, Required, State of stream section
 Natural [N]
 Modified [Md]
 Constructed [CON]
 Storm_Pond [SP]
 Ditch [FRT]
 Other [O]

No_Types Numeric, Decimal Places = 0, No of Wetland Types in Unit
 Minimum = 1, Maximum = 25, Default Value = 1
 Normal, Normal

No_Comms Numeric, Decimal Places = 0, No of Communities in Unit
 Minimum = 1, Maximum = 25, Default Value = 1
 Normal, Normal

No_Veg_Forms Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal

OW_Type Menu, Normal, Normal
 1 (<5%) [1]
 2 (5-25%_central) [2]
 3 (5-25%_patch) [3]
 4 (26-75%_central) [4]
 5 (26-75%_embaymnts) [5]
 6 (76-95%_central) [6]
 7 (76-95%_patch) [7]
 8 (>95%OW) [8]

Interspersion Numeric, Decimal Places = 0, ecotone edge
 Minimum = 0, Maximum = 1000, Default Value = 999
 Normal, Normal

Complex Menu, Normal, Normal, Mutiple Wetland Units
 Yes [1]
 No [0]

Comt_Biodiv Text, Maximum Length = 100
 Normal, Normal
 Separator

HYDROGEO_GROUP Separator

Hydrogeo_Group	Menu, Normal, Normal, Hydrogeomorphic Group
Estuarine [ES]	
Riverine [Ri]	
Lacustrine [LA]	
Palus_Isolated_Basin [IsoBas]	
Palus_Linked_Basin [LinBas]	
Palus_Discharge_basi [Dischr]	
Palus_Slope_Spring [Slo]	
	Separator
WETLAND_EDATO_GRID	Separator
Hydrodyna	Menu, Normal, Normal, Dominant hydraulic type
Stagnant [ST]	
Sluggish [SL]	
Mobile [MO]	
Dynamic [DY]	
Very Dynamic [DV]	
Other [O]	
Soil_Moisture	Menu, Normal, Normal
Moist [MO]	
Very Moist [MV]	
Wet [W]	
Very Wet [WV]	
Soil_Nutr_Reg	Menu, Normal, Normal
Very Acid [VA]	
Mod Acid [MA]	
Slight Acid [SA]	
Neutral [N]	
Alkaline [AK]	
Hydrophyt_Comp	Menu, Normal, Normal, Percent Hydophyte Cover
0 [0]	
1-20% [1]	
21-40% [2]	
41-70% [3]	
71-90% [4]	
>90% [5]	
	Separator
WATER_CHEM	Separator
Water_Temp	Numeric, Decimal Places = 1, degrees celsius Minimum = -2, Maximum = 99, Default Value = 99 Normal, Normal
TDS	Numeric, Decimal Places = 1, Total Dissolved Solids (mg/L) Minimum = 0, Maximum = 9999, Default Value = 9999 Normal, Normal
pH	Numeric, Decimal Places = 1 Minimum = 0, Maximum = 99, Default Value = 99 Normal, Normal
DO	Numeric, Decimal Places = 1, Dissolved Oxygen (mg/L) Minimum = 0, Maximum = 99, Default Value = 99 Normal, Normal
EC	Numeric, Decimal Places = 1, Conductivity Minimum = 0, Maximum = 9999, Default Value = 9999 Normal, Normal
Clarity	Menu, Normal, Normal
Very Turbid [TV]	
Clear [C]	
Very Clear [CV]	
Turbid [T]	
Other [O]	
Colour	Menu, Normal, Normal
Yellow_DeepBrown [YB]	
Green_Brown [GB]	
Blue_Green [BG]	
Green_Brown_Turbid [GBT]	
Colourless [CS]	
Comt_Chem	Text, Maximum Length = 100 Normal, Normal
	Separator
SOILS	Separator
Soil_Order	Menu, Normal, Normal, Wetland_Soil_Class
Gleysol [Gl]	
HumicGley [Hu]	
Regogley [Regl]	
Fibrisol [Fi]	
Mesisol [Me]	
Humisol [HuSol]	
Folisol [Fo]	

Regosol [Re]	
Brunisol [Br]	
Solonetzic [So]	
Chernozemic [Ch]	
Texture	Menu, Normal, Normal, Soil Texture
Coarse Sand [CS]	
Sand [SA]	
Fine Sand [FS]	
Very Fine Sand [VFS]	
Loamy Sand [LS]	
Loamy Coarse Sand [LCS]	
Loamy Fine Sand [LFS]	
Loamy Very Fine Sand [LVFS]	
Coarse Sandy Loam [CSL]	
Sandy Loam [SL]	
Fine Sandy Loam [FSL]	
Very Fine Sandy Loam [VFSL]	
Loam [Lo]	
Sandy Clay Loam [SCL]	
Clay Loam [CL]	
Silt [Si]	
Silt Loam [SiL]	
Silty Clay Loam [SiCL]	
Silty Clay [SiC]	
Sandy Clay [SaC]	
Clay [Cl]	
Dep_to_Gley	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Dep_to_Mottles	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Dep_to_Water	Numeric, Decimal Places = 2, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Orga_Class	Menu, Normal, Normal, Level of decomposition
Fibric (VP1-4) [Fi]	
Mesic (VP5-6) [Me]	
Humic (VP7-10) [H]	
Mineral [Mi]	
Dep_Organic	Menu, Normal, Normal, Level of substrate compaction
<60cm	
60-160cm	
>160cm	
Comt_Sub	Text, Maximum Length = 100, Comment for Substrates Normal, Normal Separator
SOIL_PROFILE	Separator
Of_Thicknss	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Om_Thicknss	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Oh_Thicknss	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Oco_Thicknss	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
A_Thicknss	Numeric, Decimal Places = 1, Unit (cm) Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
E_Thicknss	Numeric, Decimal Places = 1 Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
B_Thicknss	Numeric, Decimal Places = 1 Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Dep_to_C	Numeric, Decimal Places = 1 Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Dep_to_Bedrock	Numeric, Decimal Places = 1 Minimum = 0, Maximum = 999, Default Value = 999 Normal, Normal
Photo_Soil_Core	Text, Maximum Length = 100, Roll and print number of photograph

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Normal, Normal
Comt_Profile      Text, Maximum Length = 100, Comment for Substrates
Normal, Normal
Separator
-----
WETLND_CLS_1     Separator
Class1           Menu, Normal, Normal
  Shallow water
  Marsh
  Swamp
  Fen
  Bog
  Flood_High_Bench
  Flood_Mid_Bench
  Flood_Low_Bench
  Shrub Carr
  Saline Meadow
Form1            Menu, Normal, Normal
  Discharge Swamp
  Flat Swamp
  Mineral-Rise Swamp
  Riparian Swamp
  Slope Swamp
  Basin Marsh
  Hummock Marsh
  Lacustrine Marsh
  Riparian Marsh
  Slope Marsh
  Spring Marsh
  Basin Water
  Lacustrine Water
  Riparian Water
Subfrm1          Menu, Normal, Normal
  Floodplain
  Delta
  Isolated
  Linked
  Bay
  Lagoon
  Shore
  Stream
  Discharge
  Spring
  Seepage
  Slope
  Basin Swamp
  Unconfined Swamp
  Swale Swamp
  Floodplain Swamp
  Channel Swamp
  Lacustrine Swamp
  Riverine Swamp
  Beach Ridge Swamp
  Island Swamp
  Levee Swamp
  Mound Swamp
  Floodplain Water
  Shore Water
  Stream Water
Type1            Menu, Normal, Normal
  Floating_aquatic
  Submerged_aquatic
  Forb
  Grass
  Low_rush
  Reed
  Sedge
  Tall_rush
  Lichen
  Moss
  Non_vegetated
  Low_Shrub_<2-m
  Mixed_shrub
  Tall_shrub_>2-m
  Tree_Conifer
  Tree_Mixed
  Tree_Broadleaf

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Assocn1	Menu, Normal, Normal
Wm01	
Wm02	
Wm03	
Wm04	
Wm05	
Wm06	
Wm07	
Wm51	
Ws01	
Ws02	
Ws03	
Ws04	
Ws05	
Ws06	
Ws07	
Ws09	
Ws10	
Ws50	
Ws51	
Wa	
F101	
F102	
F103	
F104	
F105	
F106	
F107	
Fm01	
Fm02	
Gs01	
Gs02	
Gs03	
Gs04	
RCG	
Gs00	
Wm00	
Ws00	
No_Frms1	Numeric, Decimal Places = 0 Minimum = 0, Maximum = 16, Default Value = 1 Normal, Normal
Veg_Frms1	Text, Maximum Length = 100 Normal, Normal
Dom_Veg1	Text, Maximum Length = 100, Two Dominant species per form Normal, Normal
Comt_Unit1	Text, Maximum Length = 100, Comments for Unit Normal, Normal Separator
WETLND_CLS_2	Separator
Class2	Menu, Normal, Normal
Shallow water	
Marsh	
Swamp	
Fen	
Bog	
Flood_High_Bench	
Flood_Mid_Bench	
Flood_Low_Bench	
Shrub Carr	
Saline Meadow	
Form2	Menu, Normal, Normal
Discharge Swamp	
Flat Swamp	
Mineral-Rise Swamp	
Riparian Swamp	
Slope Swamp	
Basin Marsh	
Hummock Marsh	
Lacustrine Marsh	
Riparian Marsh	
Slope Marsh	
Spring Marsh	
Basin Water	
Lacustrine Water	
Riparian Water	
Subfrm2	Menu, Normal, Normal

Floodplain
Delta
Isolated
Linked
Bay
Lagoon
Shore
Stream
Discharge
Spring
Seepage
Slope
Basin Swamp
Unconfined Swamp
Swale Swamp
Floodplain Swamp
Channel Swamp
Lacustrine Swamp
Riverine Swamp
Beach Ridge Swamp
Island Swamp
Levee Swamp
Mound Swamp
Floodplain Water
Shore Water
Stream Water

Type2 Menu, Normal, Normal

Floating_aquatic
Submerged_aquatic
Forb
Grass
Low_rush
Reed
Sedge
Tall_rush
Lichen
Moss
Non_vegetated
Low_shrub_<2-m
Mixed_shrub
Tall_shrub_>2-m
Tree_Conifer
Tree_Mixed
Tree_Broadleaf

Assocn2 Menu, Normal, Normal

Wm01
Wm02
Wm03
Wm04
Wm05
Wm06
Wm07
Wm51
Ws01
Ws02
Ws03
Ws04
Ws05
Ws06
Ws07
Ws09
Ws10
Ws50
Ws51
Wa
Fl01
Fl02
Fl03
Fl04
Fl05
Fl06
Fl07
Fm01
Fm02
Gs01
Gs02

Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms2 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms2 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg2 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit2 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 WETLND_CLS_3 Separator
 Class3 Menu, Normal, Normal
 Shallow water
 Marsh
 Swamp
 Fen
 Bog
 Flood_High_Bench
 Flood_Mid_Bench
 Flood_Low_Bench
 Shrub Carr
 Saline Meadow
 Form3 Menu, Normal, Normal
 Discharge Swamp
 Flat Swamp
 Mineral-Rise Swamp
 Riparian Swamp
 Slope Swamp
 Basin Marsh
 Hummock Marsh
 Lacustrine Marsh
 Riparian Marsh
 Slope Marsh
 Spring Marsh
 Basin Water
 Lacustrine Water
 Riparian Water
 Subfrm3 Menu, Normal, Normal
 Floodplain
 Delta
 Isolated
 Linked
 Bay
 Lagoon
 Shore
 Stream
 Discharge
 Spring
 Seepage
 Slope
 Basin Swamp
 Unconfined Swamp
 Swale Swamp
 Floodplain Swamp
 Channel Swamp
 Lacustrine Swamp
 Riverine Swamp
 Beach Ridge Swamp
 Island Swamp
 Levee Swamp
 Mound Swamp
 Floodplain Water
 Shore Water
 Stream Water
 Type3 Menu, Normal, Normal
 Floating_aquatic
 Submerged_aquatic
 Forb
 Grass
 Low_rush

Reed
 Sedge
 Tall_rush
 Lichen
 Moss
 Non_vegetated
 Low_Shrub_<2-m
 Mixed_shrub
 Tall_shrub_>2-m
 Tree_Conifer
 Tree_Mixed
 Tree_Broadleaf
 Assocn3 Menu, Normal, Normal
 Wm01
 Wm02
 Wm03
 Wm04
 Wm05
 Wm06
 Wm07
 Wm51
 Ws01
 Ws02
 Ws03
 Ws04
 Ws05
 Ws06
 Ws07
 Ws09
 Ws10
 Ws50
 Ws51
 Wa
 Fl01
 Fl02
 Fl03
 Fl04
 Fl05
 Fl06
 Fl07
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms3 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms3 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg3 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit3 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 WETLND_CLS_4 Separator
 Class4 Menu, Normal, Normal
 Shallow water
 Marsh
 Swamp
 Fen
 Bog
 Flood_High_Bench
 Flood_Mid_Bench
 Flood_Low_Bench
 Shrub Carr
 Saline Meadow
 Form4 Menu, Normal, Normal
 Discharge Swamp
 Flat Swamp
 Mineral-Rise Swamp

Riparian Swamp
Slope Swamp
Basin Marsh
Hummock Marsh
Lacustrine Marsh
Riparian Marsh
Slope Marsh
Spring Marsh
Basin Water
Lacustrine Water
Riparian Water

Subfrm4 Menu, Normal, Normal

Floodplain
Delta
Isolated
Linked
Bay
Lagoon
Shore
Stream
Discharge
Spring
Seepage
Slope
Basin Swamp
Unconfined Swamp
Swale Swamp
Floodplain Swamp
Channel Swamp
Lacustrine Swamp
Riverine Swamp
Beach Ridge Swamp
Island Swamp
Levee Swamp
Mound Swamp
Floodplain Water
Shore Water
Stream Water

Type4 Menu, Normal, Normal

Floating_aquatic
Submerged_aquatic
Forb
Grass
Low_rush
Reed
Sedge
Tall_rush
Lichen
Moss
Non_vegetated
Low_shrub_<2-m
Mixed_shrub
Tall_shrub_>2-m
Tree_Conifer
Tree_Mixed
Tree_Broadleaf

Assocn4 Menu, Normal, Normal

Wm01
Wm02
Wm03
Wm04
Wm05
Wm06
Wm07
Wm51
Ws01
Ws02
Ws03
Ws04
Ws05
Ws06
Ws07
Ws09
Ws10
Ws50
Ws51

Wa
 Fl01
 Fl02
 Fl03
 Fl04
 Fl05
 Fl06
 Fl07
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms4 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms4 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg4 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit4 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 WETLND_CLS_5 Separator
 Class5 Menu, Normal, Normal
 Shallow water
 Marsh
 Swamp
 Fen
 Bog
 Flood_High_Bench
 Flood_Mid_Bench
 Flood_Low_Bench
 Shrub Carr
 Saline Meadow
 Form5 Menu, Normal, Normal
 Discharge Swamp
 Flat Swamp
 Mineral-Rise Swamp
 Riparian Swamp
 Slope Swamp
 Basin Marsh
 Hummock Marsh
 Lacustrine Marsh
 Riparian Marsh
 Slope Marsh
 Spring Marsh
 Basin Water
 Lacustrine Water
 Riparian Water
 Subfrm5 Menu, Normal, Normal
 Floodplain
 Delta
 Isolated
 Linked
 Bay
 Lagoon
 Shore
 Stream
 Discharge
 Spring
 Seepage
 Slope
 Basin Swamp
 Unconfined Swamp
 Swale Swamp
 Floodplain Swamp
 Channel Swamp
 Lacustrine Swamp
 Riverine Swamp
 Beach Ridge Swamp

Island Swamp
 Levee Swamp
 Mound Swamp
 Floodplain Water
 Shore Water
 Stream Water
 Type5 Menu, Normal, Normal
 Floating_aquatic
 Submerged_aquatic
 Forb
 Grass
 Low_rush
 Reed
 Sedge
 Tall_rush
 Lichen
 Moss
 Non_vegetated
 Low_Shrub_<2-m
 Mixed_shrub
 Tall_shrub_>2-m
 Tree_Conifer
 Tree_Mixed
 Tree_Broadleaf
 Assocn5 Menu, Normal, Normal
 Wm01
 Wm02
 Wm03
 Wm04
 Wm05
 Wm06
 Wm07
 Wm51
 Ws01
 Ws02
 Ws03
 Ws04
 Ws05
 Ws06
 Ws07
 Ws09
 Ws10
 Ws50
 Ws51
 Wa
 F101
 F102
 F103
 F104
 F105
 F106
 F107
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms5 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms5 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg5 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit5 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 SURROUND_HABITAT Separator
 RipClass Menu, Required, Required, Riparian Class
 Row Crops [NAG]
 Broadleaf forest [VBF]

Bryophytes [VCR]
 Coniferous forest [VNF]
 Planted Tree Farm [NTF]
 Disturbed wetland [DWN]
 Dug out pond [DOP]
 Exposed soil [NEL]
 Flood plain [VFP]
 Herbs/grasses [VHB]
 High Impervious [NHR]
 Medium Impervious [NMR]
 Low Impervious [NLR]
 Mixed forest [VMF]
 Natural wetland [WN]
 Rock [NNB]
 Tall Shrubs [VTSH]
 Low shrub [VTLS]

Qualifier Menu, Normal, Normal, Riparian Class Qualifier
 Agriculture [ag]
 Natural [n]
 Urban_Residential [ur]
 Recreation [r]
 Disturbed [d]
 Unknown [u]

BandWidth Numeric, Decimal Places = 2
 Minimum = 0, Maximum = 9999, Default Value = 9999
 Normal, Normal

BankSlope Numeric, Decimal Places = 0
 Minimum = -100, Maximum = 999, Default Value = 999
 Normal, Normal

Stage Menu, Normal, Normal, Structural Stage
 grass/herb [2]
 low shrubs <2m [3a]
 tall shrubs 2-10m [3b]
 sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

Snag Menu, Normal, Normal, Presence of Snags
 No
 <5
 >=5

Veteran Menu, Normal, Normal, Veteran trees
 No
 <5
 >=5

BkStbility Menu, Normal, Normal, Bank Stability
 High [H]
 Medium [M]
 Low [L]

Bank_Material Menu, Normal, Normal
 Concrete [C]
 Gabions [GB]
 Pilings [P]
 Stonework [S]
 RipRap [RR]
 Retain Wall/Bank Stb [EHB]
 Sandbags [SB]
 Wood [W]
 Bark_Mulch [BM]
 Asphalt [AS]
 Dyke [DY]
 Fines [F]
 Gravel [G]
 Cobble [CB]
 Boulder [B]
 Bed_Rock [BR]
 Other [O]

Top_Bank Menu, Normal, Normal, Estimated top of bank
 Yes
 No

Comment Text, Maximum Length = 100, Comment Left bank riparian

	Normal, Normal
	Separator
FLORA_FAUNA	Separator
CmntFlora	Text, Maximum Length = 100, Flora Comment
	Normal, Normal
CmntFauna	Text, Maximum Length = 100, Fauna Comment
	Normal, Normal
	Separator
FUNCTI_COND	Separator
Functional_Rating	Menu, Required, Required
Proper_Funct_Cond [0]	
Funct_At_Risk [1]	
Non_Funct_Cond [2]	
Comt_Func_Rating	Text, Maximum Length = 100
	Normal, Normal
	Separator
LEVEL_OF_IMPACT	Separator
Impact_rating	Menu, Required, Required
Nil [0]	
Very_low [1]	
Low [2]	
Moderate [3]	
High [4]	
Extreme [5]	
LOI_Comment	Text, Maximum Length = 100, Comment_lev_impact
	Normal, Normal
WETLND_LINE	Line Feature, Label 1 = WetlndName, Label 2 = Poly_Src
	Wetland Unit Boundary
WETLAND_REFERENCE	Separator
WetlndName	Text, Maximum Length = 100
	Required, Required
LocalName	Text, Maximum Length = 100
	Normal, Normal
NumericCode	Text, Maximum Length = 50
	Required, Required
Organization	Text, Maximum Length = 100
	Normal, Normal
WtrshedCde	Numeric, Decimal Places = 0, watershed code
	Minimum = 0, Maximum = 100, Default Value = 0
	Normal, Normal
TributaryCde	Text, Maximum Length = 35, Tributary Code
	Normal, Normal
ILP	Text, Maximum Length = 35, Interim Locator Point (Tributary Code)
	Normal, Normal
Date	Date, Auto generate Create, Year-Month-Day Format
	Required, Required
Time	Time, Auto generate Create, 24 Hour Format
	Normal, Normal
Crew	Text, Maximum Length = 100
	Required, Required
Weather	Menu, Normal, Normal
Light Rain [L]	
Heavy Rain [H]	
Snow/Sleet [N]	
Over cast [OV]	
Clear [S]	
Partly Cloudy [PC]	
Other [O]	
AirTemp	Numeric, Decimal Places = 1, degrees centigrade
	Minimum = -25, Maximum = 45, Default Value = 0
	Normal, Normal
Hydr_Stage	Menu, Normal, Normal
dry	
low	
moderate	
high	
flood	
other	
Fish_Frequent	Menu, Normal, Normal
Yes	
No	
Unconfirmed	
Poly_Type	Menu, Normal, Normal
Trimble	Default
Garmin	

Photointerp
 Chain_Compass
 Other
 Poly_Src Menu, Normal, Normal
 WIM_Ecoscape_2007
 shim2006
 shim4
 shim3
 shim2
 shim1
 trim
 DFO
 other
 Comments Text, Maximum Length = 100
 Normal, Normal
 Separator
 REF_PHOTO Text, Maximum Length = 100, Roll and print number of photograph
 Normal, Normal
 Photo_File File Name, Normal, Normal
 Separator
 BIODIVERSITY Separator
 Primary Character Menu, Required, Required, State of stream section
 Natural [N]
 Modified [Md]
 Constructed [CON]
 Storm_Pond [SP]
 Ditch [FRT]
 Other [O]
 No_Types Numeric, Decimal Places = 0, No of Wetland Types in Unit
 Minimum = 1, Maximum = 25, Default Value = 1
 Normal, Normal
 No_Comms Numeric, Decimal Places = 0, No of Communities in Unit
 Minimum = 1, Maximum = 25, Default Value = 1
 Normal, Normal
 No_Veg_Forms Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 OW_Type Menu, Normal, Normal
 1 (<5%) [1]
 2 (5-25%_central) [2]
 3 (5-25%_patch) [3]
 4 (26-75%_central) [4]
 5 (26-75%_embaymnts) [5]
 6 (76-95%_central) [6]
 7 (76-95%_patch) [7]
 8 (>95%OW) [8]
 Interspersion Numeric, Decimal Places = 0, ecotone edge
 Minimum = 0, Maximum = 1000, Default Value = 999
 Normal, Normal
 Complex Menu, Normal, Normal, Mutiple Wetland Units
 Yes [1]
 No [0]
 Comt_Biodiv Text, Maximum Length = 100
 Normal, Normal
 Separator
 HYDROGEO_GROUP Separator
 Hydrogeo_Group Menu, Normal, Normal, Hydrogeomorphic Group
 Estuarine [ES]
 Riverine [Ri]
 Lacustrine [LA]
 Palus_Isolated_Basin [IsoBas]
 Palus_Linked_Basin [LinBas]
 Palus_Discharge_basi [Dischr]
 Palus_Slope_Spring [Slo]
 Separator
 WETLAND_EDATO_GRID Separator
 Hydrodyna Menu, Normal, Normal, Dominant hydraulic type
 Stagnant [ST]
 Sluggish [SL]
 Mobile [MO]
 Dynamic [DY]
 Very Dynamic [DV]
 Other [O]
 Soil_Moisture Menu, Normal, Normal
 Moist [MO]
 Very Moist [MV]

Wet [W]
 Very Wet [WV]
 Soil_Nutr_Reg Menu, Normal, Normal
 Very Acid [VA]
 Mod Acid [MA]
 Slight Acid [SA]
 Neutral [N]
 Alkaline [AK]
 Hydrophyt_Comp Menu, Normal, Normal, Percent Hydrophyte Cover
 0 [0]
 1-20% [1]
 21-40% [2]
 41-70% [3]
 71-90% [4]
 >90% [5]

Separator

WATER_CHEM Separator
 Water_Temp Numeric, Decimal Places = 1, degrees celsius
 Minimum = -2, Maximum = 99, Default Value = 99
 Normal, Normal
 TDS Numeric, Decimal Places = 1, Total Dissolved Solids (mg/L)
 Minimum = 0, Maximum = 9999, Default Value = 9999
 Normal, Normal
 pH Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 99, Default Value = 99
 Normal, Normal
 DO Numeric, Decimal Places = 1, Dissolved Oxygen (mg/L)
 Minimum = 0, Maximum = 99, Default Value = 99
 Normal, Normal
 EC Numeric, Decimal Places = 1, Conductivity
 Minimum = 0, Maximum = 9999, Default Value = 9999
 Normal, Normal
 Clarity Menu, Normal, Normal
 Very Turbid [TV]
 Clear [C]
 Very Clear [CV]
 Turbid [T]
 Other [O]
 Colour Menu, Normal, Normal
 Yellow_DeepBrown [YB]
 Green_Brown [GB]
 Blue_Green [BG]
 Green_Brown_Turbid [GBT]
 Colourless [CS]
 Comt_Chem Text, Maximum Length = 100
 Normal, Normal

Separator

SOILS Separator
 Soil_Order Menu, Normal, Normal, Wetland_Soil_Class
 Gleysol [Gl]
 HumicGley [Hu]
 Regogley [Regl]
 Fibrisol [Fi]
 Mesisol [Me]
 Humisol [HuSol]
 Folisol [Fo]
 Regosol [Re]
 Brunisol [Br]
 Solonetzic [So]
 Chernozemic [Ch]
 Texture Menu, Normal, Normal, Soil Texture
 Coarse Sand [CS]
 Sand [SA]
 Fine Sand [FS]
 Very Fine Sand [VFS]
 Loamy Sand [LS]
 Loamy Coarse Sand [LCS]
 Loamy Fine Sand [LFS]
 Loamy Very Fine Sand [LVFS]
 Coarse Sandy Loam [CSL]
 Sany Loam [SL]
 Fine Sandy Loam [FSL]
 Very Fine Sandy Loam [VFSL]
 Loam [Lo]
 Sandy Clay Loam [SCL]
 Clay Loam [CL]

Silt [Si]
 Silt Loam [SiL]
 Silty Clay Loam [SiCL]
 Silty Clay [SiC]
 Sandy Clay [SaC]
 Clay [Cl]

Dep_to_Gley Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Dep_to_Mottles Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Dep_to_Water Numeric, Decimal Places = 2, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Orga_Class Menu, Normal, Normal, Level of decomposition
 Fibric(VP1-4) [Fi]
 Mesic(VP5-6) [Me]
 Humic(VP7-10) [H]
 Mineral [Mi]

Dep_Organic Menu, Normal, Normal, Level of substrate compaction
 <60cm
 60-160cm
 >160cm

Comt_Sub Text, Maximum Length = 100, Comment for Substrates
 Normal, Normal
 Separator

SOIL_PROFILE Separator

Of_Thicknss Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Om_Thicknss Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Oh_Thicknss Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Oco_Thicknss Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

A_Thicknss Numeric, Decimal Places = 1, Unit (cm)
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

E_Thicknss Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

B_Thicknss Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Dep_to_C Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Dep_to_Bedrock Numeric, Decimal Places = 1
 Minimum = 0, Maximum = 999, Default Value = 999
 Normal, Normal

Photo_Soil_Core Text, Maximum Length = 100, Roll and print number of photograph
 Normal, Normal

Comt_Profile Text, Maximum Length = 100, Comment for Substrates
 Normal, Normal
 Separator

WETLND_CLS_1 Separator

Class1 Menu, Normal, Normal
 Shallow water
 Marsh
 Swamp
 Fen
 Bog
 Flood_High_Bench
 Flood_Mid_Bench
 Flood_Low_Bench
 Shrub Carr
 Saline Meadow

Form1 Menu, Normal, Normal
 Discharge Swamp
 Flat Swamp
 Mineral-Rise Swamp

Riparian Swamp
Slope Swamp
Basin Marsh
Hummock Marsh
Lacustrine Marsh
Riparian Marsh
Slope Marsh
Spring Marsh
Basin Water
Lacustrine Water
Riparian Water

Subfrml Menu, Normal, Normal

Floodplain
Delta
Isolated
Linked
Bay
Lagoon
Shore
Stream
Discharge
Spring
Seepage
Slope
Basin Swamp
Unconfined Swamp
Swale Swamp
Floodplain Swamp
Channel Swamp
Lacustrine Swamp
Riverine Swamp
Beach Ridge Swamp
Island Swamp
Levee Swamp
Mound Swamp
Floodplain Water
Shore Water
Stream Water

Type1 Menu, Normal, Normal

Floating_aquatic
Submerged_aquatic
Forb
Grass
Low_rush
Reed
Sedge
Tall_rush
Lichen
Moss
Non_vegetated
Low_shrub_<2-m
Mixed_shrub
Tall_shrub_>2-m
Tree_Conifer
Tree_Mixed
Tree_Broadleaf

Assocnl Menu, Normal, Normal

Wm01
Wm02
Wm03
Wm04
Wm05
Wm06
Wm07
Wm51
Ws01
Ws02
Ws03
Ws04
Ws05
Ws06
Ws07
Ws09
Ws10
Ws50
Ws51

Wa
 Fl01
 Fl02
 Fl03
 Fl04
 Fl05
 Fl06
 Fl07
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms1 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms1 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg1 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit1 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 WETLND_CLS_2 Separator
 Class2 Menu, Normal, Normal
 Shallow water
 Marsh
 Swamp
 Fen
 Bog
 Flood_High_Bench
 Flood_Mid_Bench
 Flood_Low_Bench
 Shrub Carr
 Saline Meadow
 Form2 Menu, Normal, Normal
 Discharge Swamp
 Flat Swamp
 Mineral-Rise Swamp
 Riparian Swamp
 Slope Swamp
 Basin Marsh
 Hummock Marsh
 Lacustrine Marsh
 Riparian Marsh
 Slope Marsh
 Spring Marsh
 Basin Water
 Lacustrine Water
 Riparian Water
 Subfrm2 Menu, Normal, Normal
 Floodplain
 Delta
 Isolated
 Linked
 Bay
 Lagoon
 Shore
 Stream
 Discharge
 Spring
 Seepage
 Slope
 Basin Swamp
 Unconfined Swamp
 Swale Swamp
 Floodplain Swamp
 Channel Swamp
 Lacustrine Swamp
 Riverine Swamp
 Beach Ridge Swamp

Island Swamp
 Levee Swamp
 Mound Swamp
 Floodplain Water
 Shore Water
 Stream Water
 Type2 Menu, Normal, Normal
 Floating_aquatic
 Submerged_aquatic
 Forb
 Grass
 Low_rush
 Reed
 Sedge
 Tall_rush
 Lichen
 Moss
 Non_vegetated
 Low_Shrub_<2-m
 Mixed_shrub
 Tall_shrub_>2-m
 Tree_Conifer
 Tree_Mixed
 Tree_Broadleaf
 Assocn2 Menu, Normal, Normal
 Wm01
 Wm02
 Wm03
 Wm04
 Wm05
 Wm06
 Wm07
 Wm51
 Ws01
 Ws02
 Ws03
 Ws04
 Ws05
 Ws06
 Ws07
 Ws09
 Ws10
 Ws50
 Ws51
 Wa
 F101
 F102
 F103
 F104
 F105
 F106
 F107
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms2 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms2 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg2 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit2 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 WETLND_CLS_3 Separator
 Class3 Menu, Normal, Normal
 Shallow water
 Marsh

Swamp
Fen
Bog
Flood_High_Bench
Flood_Mid_Bench
Flood_Low_Bench
Shrub Carr
Saline Meadow

Form3 Menu, Normal, Normal

Discharge Swamp
Flat Swamp
Mineral-Rise Swamp
Riparian Swamp
Slope Swamp
Basin Marsh
Hummock Marsh
Lacustrine Marsh
Riparian Marsh
Slope Marsh
Spring Marsh
Basin Water
Lacustrine Water
Riparian Water

Subfrm3 Menu, Normal, Normal

Floodplain
Delta
Isolated
Linked
Bay
Lagoon
Shore
Stream
Discharge
Spring
Seepage
Slope
Basin Swamp
Unconfined Swamp
Swale Swamp
Floodplain Swamp
Channel Swamp
Lacustrine Swamp
Riverine Swamp
Beach Ridge Swamp
Island Swamp
Levee Swamp
Mound Swamp
Floodplain Water
Shore Water
Stream Water

Type3 Menu, Normal, Normal

Floating_aquatic
Submerged_aquatic
Forb
Grass
Low_rush
Reed
Sedge
Tall_rush
Lichen
Moss
Non_vegetated
Low_Shrub_<2-m
Mixed_shrub
Tall_shrub_>2-m
Tree_Conifer
Tree_Mixed
Tree_Broadleaf

Assocn3 Menu, Normal, Normal

Wm01
Wm02
Wm03
Wm04
Wm05
Wm06
Wm07

Wm51
 Ws01
 Ws02
 Ws03
 Ws04
 Ws05
 Ws06
 Ws07
 Ws09
 Ws10
 Ws50
 Ws51
 Wa
 Fl01
 Fl02
 Fl03
 Fl04
 Fl05
 Fl06
 Fl07
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms3 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms3 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg3 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit3 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 WETLND_CLS_4 Separator
 Class4 Menu, Normal, Normal
 Shallow water
 Marsh
 Swamp
 Fen
 Bog
 Flood_High_Bench
 Flood_Mid_Bench
 Flood_Low_Bench
 Shrub Carr
 Saline Meadow
 Form4 Menu, Normal, Normal
 Discharge Swamp
 Flat Swamp
 Mineral-Rise Swamp
 Riparian Swamp
 Slope Swamp
 Basin Marsh
 Hummock Marsh
 Lacustrine Marsh
 Riparian Marsh
 Slope Marsh
 Spring Marsh
 Basin Water
 Lacustrine Water
 Riparian Water
 Subfrm4 Menu, Normal, Normal
 Floodplain
 Delta
 Isolated
 Linked
 Bay
 Lagoon
 Shore
 Stream

Discharge
Spring
Seepage
Slope
Basin Swamp
Unconfined Swamp
Swale Swamp
Floodplain Swamp
Channel Swamp
Lacustrine Swamp
Riverine Swamp
Beach Ridge Swamp
Island Swamp
Levee Swamp
Mound Swamp
Floodplain Water
Shore Water
Stream Water

Type4 Menu, Normal, Normal

Floating_aquatic
Submerged_aquatic
Forb
Grass
Low_rush
Reed
Sedge
Tall_rush
Lichen
Moss
Non_vegetated
Low_Shrub_<2-m
Mixed_shrub
Tall_shrub_>2-m
Tree_Conifer
Tree_Mixed
Tree_Broadleaf

Assocn4 Menu, Normal, Normal

Wm01
Wm02
Wm03
Wm04
Wm05
Wm06
Wm07
Wm51
Ws01
Ws02
Ws03
Ws04
Ws05
Ws06
Ws07
Ws09
Ws10
Ws50
Ws51
Wa
F101
F102
F103
F104
F105
F106
F107
Fm01
Fm02
Gs01
Gs02
Gs03
Gs04
RCG
Gs00
Wm00
Ws00

No_Frms4 Numeric, Decimal Places = 0
Minimum = 0, Maximum = 16, Default Value = 1

	Normal, Normal
Veg_Frms4	Text, Maximum Length = 100
	Normal, Normal
Dom_Veg4	Text, Maximum Length = 100, Two Dominant species per form
	Normal, Normal
Comt_Unit4	Text, Maximum Length = 100, Comments for Unit
	Normal, Normal
	Separator
WETLND_CLS_5	Separator
Class5	Menu, Normal, Normal
	Shallow water
	Marsh
	Swamp
	Fen
	Bog
	Flood_High_Bench
	Flood_Mid_Bench
	Flood_Low_Bench
	Shrub Carr
	Saline Meadow
Form5	Menu, Normal, Normal
	Discharge Swamp
	Flat Swamp
	Mineral-Rise Swamp
	Riparian Swamp
	Slope Swamp
	Basin Marsh
	Hummock Marsh
	Lacustrine Marsh
	Riparian Marsh
	Slope Marsh
	Spring Marsh
	Basin Water
	Lacustrine Water
	Riparian Water
Subfrm5	Menu, Normal, Normal
	Floodplain
	Delta
	Isolated
	Linked
	Bay
	Lagoon
	Shore
	Stream
	Discharge
	Spring
	Seepage
	Slope
	Basin Swamp
	Unconfined Swamp
	Swale Swamp
	Floodplain Swamp
	Channel Swamp
	Lacustrine Swamp
	Riverine Swamp
	Beach Ridge Swamp
	Island Swamp
	Levee Swamp
	Mound Swamp
	Floodplain Water
	Shore Water
	Stream Water
Type5	Menu, Normal, Normal
	Floating_aquatic
	Submerged_aquatic
	Forb
	Grass
	Low_rush
	Reed
	Sedge
	Tall_rush
	Lichen
	Moss
	Non_vegetated
	Low_Shrub_<2-m
	Mixed_shrub

Tall_shrub_>2-m
 Tree_Conifer
 Tree_Mixed
 Tree_Broadleaf
 Assocn5 Menu, Normal, Normal
 Wm01
 Wm02
 Wm03
 Wm04
 Wm05
 Wm06
 Wm07
 Wm51
 Ws01
 Ws02
 Ws03
 Ws04
 Ws05
 Ws06
 Ws07
 Ws09
 Ws10
 Ws50
 Ws51
 Wa
 Fl01
 Fl02
 Fl03
 Fl04
 Fl05
 Fl06
 Fl07
 Fm01
 Fm02
 Gs01
 Gs02
 Gs03
 Gs04
 RCG
 Gs00
 Wm00
 Ws00
 No_Frms5 Numeric, Decimal Places = 0
 Minimum = 0, Maximum = 16, Default Value = 1
 Normal, Normal
 Veg_Frms5 Text, Maximum Length = 100
 Normal, Normal
 Dom_Veg5 Text, Maximum Length = 100, Two Dominant species per form
 Normal, Normal
 Comt_Unit5 Text, Maximum Length = 100, Comments for Unit
 Normal, Normal
 Separator
 SURROUND_HABITAT Separator
 RipClass Menu, Required, Required, Riparian Class
 Row Crops [NAG]
 Broadleaf forest [VBF]
 Bryophytes [VCR]
 Coniferous forest [VNF]
 Planted Tree Farm [NTF]
 Disturbed wetland [DWN]
 Dug out pond [DOP]
 Exposed soil [NEL]
 Flood plain [VFP]
 Herbs/grasses [VHB]
 High Impervious [NHR]
 Medium Impervious [NMR]
 Low Impervious [NLR]
 Mixed forest [VMF]
 Natural wetland [WN]
 Rock [NNB]
 Tall Shrubs [VTSH]
 Low shrub [VTLS]
 Qualifier Menu, Normal, Normal, Riparian Class Qualifier
 Agriculture [ag]
 Natural [n]
 Urban_Residential [ur]

Recreation [r]
 Disturbed [d]
 Unknown [u]

BandWidth Numeric, Decimal Places = 2
 Minimum = 0, Maximum = 9999, Default Value = 9999
 Normal, Normal

BankSlope Numeric, Decimal Places = 0
 Minimum = -100, Maximum = 999, Default Value = 999
 Normal, Normal

Stage Menu, Normal, Normal, Structural Stage

grass/herb [2]
 low shrubs <2m [3a]
 tall shrubs 2-10m [3b]
 sapling >10m [4]
 young forest [5]
 mature forest [6]
 old forest [7]

Shrubs Menu, Normal, Normal, Density of shrubs
 <5% [VL]
 5-33% [L]
 34-66% [M]
 67-100% [H]

Snag Menu, Normal, Normal, Presence of Snags
 No
 <5
 >=5

Veteran Menu, Normal, Normal, Veteran trees
 No
 <5
 >=5

BkStbility Menu, Normal, Normal, Bank Stability
 High [H]
 Medium [M]
 Low [L]

Bank_Material Menu, Normal, Normal
 Concrete [C]
 Gabions [GB]
 Pilings [P]
 Stonework [S]
 RipRap [RR]
 Retain Wall/Bank Stb [EHB]
 Sandbags [SB]
 Wood [W]
 Bark_Mulch [BM]
 Asphalt [AS]
 Dyke [DY]
 Fines [F]
 Gravel [G]
 Cobble [CB]
 Boulder [B]
 Bed_Rock [BR]
 Other [O]

Top_Bank Menu, Normal, Normal, Estimated top of bank
 Yes
 No

Comment Text, Maximum Length = 100, Comment Left bank riparian
 Normal, Normal
 Separator

FLORA_FAUNA Separator

CmmntFlora Text, Maximum Length = 100, Flora Comment
 Normal, Normal

CmmntFauna Text, Maximum Length = 100, Fauna Comment
 Normal, Normal
 Separator

FUNCTI_COND Separator

Functional_Rating Menu, Required, Required
 Proper_Funct_Cond [0]
 Funct_At_Risk [1]
 Non_Funct_Cond [2]

Comt_Func_Rating Text, Maximum Length = 100
 Normal, Normal
 Separator

LEVEL_OF_IMPACT Separator

Impact_rating Menu, Required, Required
 Nil [0]
 Very_low [1]

Low [2]
Moderate [3]
High [4]
Extreme [5]

LOI_Comment

Text, Maximum Length = 100, Comment_lev_impact
Normal, Normal

Line_generic
Comment

Line Feature, Label 1 = Comment
Text, Maximum Length = 100
Normal, Normal