

Maryland Protocol VSA Data Sheet

2018 Data Collection

Stream: Mansker
MS4: City of Goodlettsville
Team: WKU

Ranking
Severity: Severe=1 Minor=5
Correctability, Access, Wetland Potential:1=Best 5=Worst
Unknown/Absent=6

*Smaller Total Reach Scores should be considered first for restoration with possible scores ranging from 23 to 138

Reach: ManskerReach0001		
Coordinates of Reach:		
Begin: 36.359598°N, 86.725447°W		
End: 36.355398°N, 86.725071°W		
Parameter	Category	Score
Channel Alteration	Severity	3
	Correctability	5
	Access	5
	Total	13
Erosion Sites	Severity	3
	Correctability	2
	Access	1
	Total	6
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	4
	Correctability	1.5
	Access	1.5
	Total	7
Fish Barrier	Severity	6
	Correctability	6
	Access	6
	Total	18
Inadequate Buffer	Severity	2
	Correctability	3
	Access	2
	Total	8
Good=low slope, low bank height	Wetland Potential	1
	Total	8
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		81
Unusual Conditions/Comments: Bridge @ HWY 41		

Reach: ManskerReach0002		
Coordinates of Reach:		
Begin: 36.355398°N, 86.725071°W		
End: 36.351799°N, 86.723051°W		
Parameter	Category	Score
Channel Alteration	Severity	3
	Correctability	3
	Access	2
	Total	8
Erosion Sites	Severity	2
	Correctability	1
	Access	1
	Total	4
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	6
	Correctability	6
	Access	6
	Total	18
Fish Barrier	Severity	3
	Correctability	1
	Access	1
	Total	5
Inadequate Buffer	Severity	3
	Correctability	3
	Access	2
	Total	11
Good=low slope, low bank height	Wetland Potential	3
	Total	11
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		88
Unusual Conditions/Comments: 4-Wheel Activity Series of Bever Dams		

Reach: ManskerReacher0003		
Coordinates of Reach:		
Begin: 36.351799°N, 86.723051°W		
End: 36.347830°N, 86.723594°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	3
	Correctability	2
	Access	2
	Total	7
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	2.5
	Correctability	3
	Access	2.5
	Total	8
Fish Barrier	Severity	2
	Correctability	4
	Access	2
	Total	8
Inadequate Buffer	Severity	3
	Correctability	2
	Access	2
	Total	10
Good=low slope, low bank height	Wetland Potential	3
	Total	10
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	2
	Correctability	1
	Access	2
	Total	5
Total Reach Score:		80
Unusual Conditions/Comments: Trash Dumping off Bridge 36.35124°N 86.72289°W Old Wood Pallets on Left Bank 36.347830°N 86.723594°W		

Reach: ManskerReach0004		
Coordinates of Reach:		
Begin: 36.347830°N, 86.723594°W		
End: 36.344854°N, 86.722020°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	1
	Correctability	3
	Access	3
	Total	7
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	6
	Correctability	6
	Access	6
	Total	18
Fish Barrier	Severity	1
	Correctability	3
	Access	4
	Total	8
Inadequate Buffer	Severity	2
	Correctability	3
	Access	3
	Total	12
Good=low slope, low bank height	Wetland Potential	4
	Total	12
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	3
	Correctability	3
	Access	3
	Total	9
Total Reach Score:		96
Unusual Conditions/Comments: Full Bank Eriion with 90° Bank 36.34720°N 86.72289°W 4-Wheel Activity		

Reach: ManskerReach0005		
Coordinates of Reach:		
Begin: 36.344854°N, 86.722020°W		
End: 36.341152°N, 86.719969°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	3
	Correctability	3
	Access	3
	Total	9
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	3
	Correctability	4
	Access	4
	Total	11
Fish Barrier	Severity	1
	Correctability	1
	Access	1
	Total	3
Inadequate Buffer	Severity	3
	Correctability	3
	Access	3
	Total	12
Good=low slope, low bank height	Wetland Potential	3
	Total	3
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		95
Unusual Conditions/Comments: Beaver Dam 36.341443°N 86.72025°W		

Reach: ManskerReach0006		
Coordinates of Reach:		
Begin: 36.341152°N, 86.719969°W		
End: 36.337849°N, 86.716444°W		
Parameter	Category	Score
Channel Alteration	Severity	3
	Correctability	4
	Access	2
	Total	9
Erosion Sites	Severity	2
	Correctability	3
	Access	2
	Total	7
Exposed Pipe	Severity	4
	Correctability	3
	Access	3
	Total	10
Pipe Outfall (Average)	Severity	4
	Correctability	4
	Access	2
	Total	10
Fish Barrier	Severity	3
	Correctability	3
	Access	3
	Total	9
Inadequate Buffer	Severity	2
	Correctability	1
	Access	1
	Total	4
Good=low slope, low bank height	Wetland Potential	4
	Total	4
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		77
Unusual Conditions/Comments:		

Reach: Mansker Reach0007		
Coordinates of Reach:		
Begin: 36.337849°N, 86.716444°W		
End: 36.334988°N, 86.712442°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	2
	Correctability	2
	Access	2
	Total	6
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	3
	Correctability	3
	Access	3
	Total	9
Fish Barrier	Severity	6
	Correctability	6
	Access	6
	Total	18
Inadequate Buffer	Severity	3
	Correctability	4
	Access	4
	Total	11
Good=low slope, low bank height	Wetland Potential	2
	Total	2
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		106
Unusual Conditions/Comments:		

Reach: Mansker Reach0008		
Coordinates of Reach:		
Begin: 36.334988°N, 86.712442°W		
End: 36.333751°N, 86.707593°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	2
	Correctability	2
	Access	2
	Total	6
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	3
	Correctability	3
	Access	3
	Total	9
Fish Barrier	Severity	6
	Correctability	6
	Access	6
	Total	18
Inadequate Buffer	Severity	3
	Correctability	4
	Access	4
	Total	11
Good=low slope, low bank height	Wetland Potential	2
	Total	2
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		106
Unusual Conditions/Comments:		

Category	Score
Severity	6
Correctability	6
Access	6
Total	18
Severity	3
Correctability	2
Access	2
Total	7
Severity	2
Correctability	4
Access	2
Total	8
Severity	6
Correctability	6
Access	6
Total	18
Severity	6
Correctability	6
Access	6
Total	18
Severity	2
Correctability	2
Access	2
Wetland Potential	2
Total	8
Severity	6
Total	6
Severity	3
Correctability	1
Access	1
Total	5
Total Reach Score:	88

Reach: ManskerReach0009			
Coordinates of Reach:			
Begin: 36.333751°N, 86.707593°W			
End: 36.329533°N, 86.706600°W			
Parameter	Category	Score	
Channel Alteration	Severity	6	
	Correctability	6	
	Access	6	
Total	Total	18	
Erosion Sites	Severity	6	
	Correctability	6	
	Access	6	
Total	Total	18	
Exposed Pipe	Severity	6	
	Correctability	6	
	Access	6	
Total	Total	18	
Pipe Outfall (Average)	Severity	1	
	Correctability	2	
	Access	3	
Total	Total	6	
Fish Barrier	Severity	6	
	Correctability	6	
	Access	6	
Total	Total	18	
Inadequate Buffer	Severity	4	
	Correctability	4	
	Access	3	
Good=low slope, low bank height	Wetland Potential	3	
Total	Total	14	
In or Near Stream Construction	Severity	6	
Total	Total	6	
Trash Dumping	Severity	6	
	Correctability	6	
	Access	6	
Total	Total	18	
Total Reach Score:		116	
Unusual Conditions/Comments:			

Reach: ManskerReach0010		
Coordinates of Reach:		
Begin: 36.329533°N, 86.706600°W		
End: 36.327237°N, 86.702153°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
Total	Total	18
Erosion Sites	Severity	5
	Correctability	5
	Access	3
Total	Total	13
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
Total	Total	18
Pipe Outfall (Average)	Severity	3
	Correctability	4
	Access	4
Total	Total	11
Fish Barrier	Severity	2
	Correctability	1
	Access	1
Total	Total	4
Inadequate Buffer	Severity	3
	Correctability	1
	Access	1
Good=low slope, low bank height	Wetland Potential	3
Total	Total	8
In or Near Stream Construction	Severity	6
Total	Total	6
Trash Dumping	Severity	4
	Correctability	2
	Access	2
Total	Total	8
Total Reach Score:		86
Unusual Conditions/Comments:		

Reach: ManskerReach0011		
Coordinates of Reach:		
Begin: 36.327237°N, 86.702153°W		
End: 36.327082°N, 86.697411°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
Total	Total	18
Erosion Sites	Severity	1
	Correctability	3
	Access	2
Total	Total	6
Exposed Pipe	Severity	1
	Correctability	1
	Access	2
Total	Total	4
Pipe Outfall (Average)	Severity	2
	Correctability	2
	Access	2
Total	Total	6
Fish Barrier	Severity	2
	Correctability	1
	Access	2
Total	Total	5
Inadequate Buffer	Severity	4
	Correctability	4
	Access	2
Good=low slope, low bank height	Wetland Potential	5
Total	Total	15
In or Near Stream Construction	Severity	2
Total	Total	2
Trash Dumping	Severity	3
	Correctability	1
	Access	2
Total	Total	6
Total Reach Score:		62
Unusual Conditions/Comments:		

Reach: ManskerReach0012		
Coordinates of Reach:		
Begin: 36.327082°N, 86.697411°W		
End: 36.323461°N, 86.697489°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	1
	Correctability	3
	Access	2
	Total	6
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	6
	Correctability	6
	Access	6
	Total	18
Fish Barrier	Severity	6
	Correctability	6
	Access	6
	Total	18
Inadequate Buffer	Severity	3
	Correctability	2
	Access	3
	Total	10
Good=low slope, low bank height	Wetland Potential	2
	Total	10
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		112
Unusual Conditions/Comments:		

Reach: ManskerReach0013		
Coordinates of Reach:		
Begin: 36.323461°N, 86.697489°W		
End: 36.321025°N, 86.694121°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	1
	Correctability	3
	Access	2
	Total	6
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	1
	Correctability	2
	Access	1
	Total	4
Fish Barrier	Severity	1
	Correctability	1
	Access	2
	Total	4
Inadequate Buffer	Severity	4
	Correctability	3
	Access	3
	Total	13
Good=low slope, low bank height	Wetland Potential	3
	Total	13
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		87
Unusual Conditions/Comments:		

Reach: ManskerReach0014		
Coordinates of Reach:		
Begin: 36.321025°N, 86.694121°W		
End: 36.320368°N, 86.688923°W		
Parameter	Category	Score
Channel Alteration	Severity	6
	Correctability	6
	Access	6
	Total	18
Erosion Sites	Severity	2
	Correctability	3
	Access	2
	Total	7
Exposed Pipe	Severity	6
	Correctability	6
	Access	6
	Total	18
Pipe Outfall (Average)	Severity	6
	Correctability	6
	Access	6
	Total	18
Fish Barrier	Severity	2
	Correctability	1
	Access	1
	Total	4
Inadequate Buffer	Severity	2
	Correctability	3
	Access	3
	Total	11
Good=low slope, low bank height	Wetland Potential	3
	Total	11
In or Near Stream Construction	Severity	6
	Total	6
Trash Dumping	Severity	6
	Correctability	6
	Access	6
	Total	18
Total Reach Score:		100
Unusual Conditions/Comments:		

Reach: ManskerReach0015	
Coordinates of Reach:	
Begin: 36.320368°N, 86.688923°W	
End: 36.317921°N, 86.685093°W	
Parameter	Category
Channel Alteration	Severity
	Correctability
	Access
Total	
Erosion Sites	Severity
	Correctability
	Access
Total	
Exposed Pipe	Severity
	Correctability
	Access
Total	
Pipe Outfall (Average)	Severity
	Correctability
	Access
Total	
Fish Barrier	Severity
	Correctability
	Access
Total	
Inadequate Buffer	Severity
	Correctability
	Access
Total	
Good=low slope, low bank height	Wetland Potential
	Total
In or Near Stream Construction	Severity
	Total
Trash Dumping	Severity
	Correctability
	Access
Total	
Total Reach Score:	
Unusual Conditions/Comments:	

