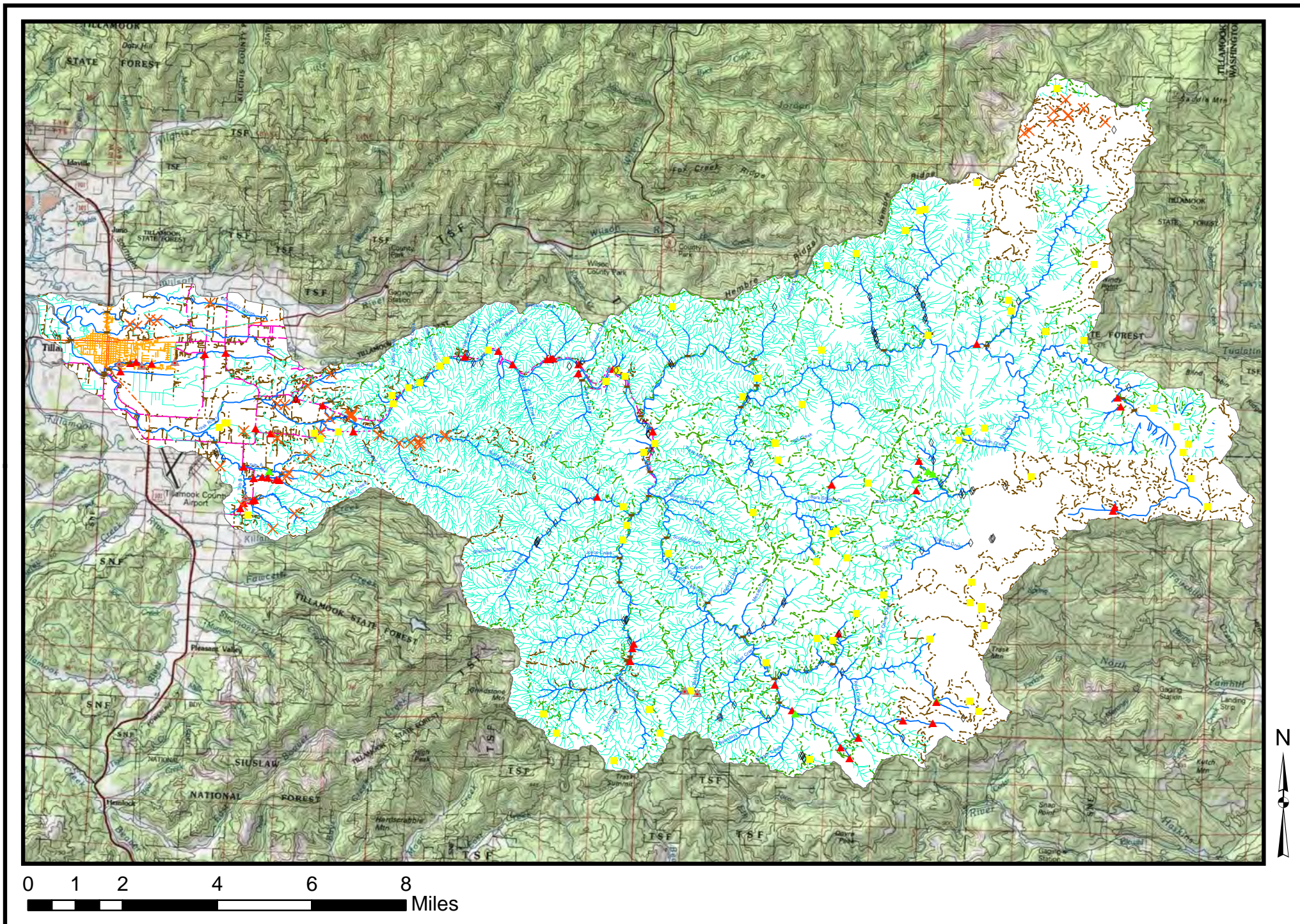

Trask River Basin Culverts



Trask Basin Crossings


Trask River Basin Clusters

Cluster	Culvert Numbers	Priority	Stream	Upstream Habitat
Holden Creek	955	M	Unnamed tributary	4.5
	952	M	Holden Creek	
	942	H	Holden Creek	
	945	H	Holden Creek	
	946	M	Holden Creek	
	948	H	Holden Creek	
	947	M	Holden Creek	
	930	M	Holden Creek	
	929	L	Holden Creek	
Mill Creek	1094	H	Unnamed tributary A	9.7
	1095	N/A	Unnamed tributary A	
	1106	H	Mill Creek	
	1107	H	Mill Creek	
	1105	H	Mill Creek	
	1128	H	Mill Creek	
	1127	H	Mill Creek	
	1134	H	Unnamed tributary B	
	1137	H	Unnamed tributary B	
	1136	H	Unnamed tributary B	
	1146	L	Unnamed tributary B1	
	1156	L	Unnamed tributary B1	
Chance Road Area	1027	L	Unnamed tributary	0.7
	1039	L	Unnamed tributary	
	1021	L	Hanenkrat Creek	
Lower Trask River Road Area	987	H	Green Creek	2.0
	999	L	Unnamed tributary	
Peninsula Area	918	M	Hatchery Creek	1.1
	889	L	Burton Creek	
	925	L	Unnamed tributary	
Samson and Johnson creeks Area	907	L	Unnamed tributary	3.5
	903	L	Unnamed tributary	
	902	H	Samson Creek	
	915	H	Johnson Creek	
	944	L	Unnamed tributary	
	927	L	Unnamed tributary	
Lower South Fork Trask R. Area	1010	L	Unnamed tributary	0.1


Edwards Creek Area	1120	H	Unnamed tributary	0.8
Upper S.F. Trask River Area	5001	L	Unnamed tributary	1.1
	1378	L	Unnamed tributary	
	1402	H	Unnamed tributary	
Bales Creek Area	1448	M	Bales Creek	1.1
	1453	L	S.F. Bales Creek	
Boundary Creek and HQ Camp	1431	L	Unnamed tributary	2.2
	1472	L	Unnamed tributary	
	1476	N/A	Headquarters Camp Creek	
Upper HQ Camp Creek Area	1516	L	Headquarters Camp Creek	0.8
	1520	L	Headquarters Camp Creek	
	1499	L	S.F. Rock Creek	
E.F. Trask and Rock Creek Area	1483	L	Rock Creek	2.3
	1487	L	Rock Creek	
	1447	N/A	E.F.S.F. Trask River	
	1455	H	Unnamed tributary	
Pothole Creek	1342	H	Pothole Creek	0.4
Bark Shanty Creek Area	1099	H	Unnamed tributary	0.6
Cruiser Creek Area	1058	N/A	Unnamed tributary	2.3
	1060	N/A	July Creek	
	1059	L	July Creek	
	1068	N/A	Whirlwind Creek	
	1109	L	Unnamed tributary	
Upper N.F. Trask Area	864	M	Unnamed tributary	0.6
Upper M.F.N.F. Trask Area	962	L	Unnamed tributary	0.9
	965	L	Unnamed tributary	
Flora Mainline Road Area	1113	L	M.F.N.F. Trask River	1.1
	1112	L	Unnamed tributary	

HOLDEN CREEK CULVERTS

LOCATION INFO				Culvert #	955	Priority	M
Watershed				Trask River			
Stream Name				Unnamed tributary of Holden Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 31, NW¼ of NW¼			
UTM Easting/Northing (Zone 10, NAD 1983)				434496/5032993			
Road Name				Private farm road off Miller Avenue			
Road/Culvert Owner				C. & P. Tohl			
Adjacent Landowners				School Dist. #9 and C. & P. Tohl			
CULVERT INFO			CHANNEL INFO				
Shape	Circular		Inlet Gradient (%)	-3.4			
Material	Corrugated metal		Upstream Gradient (%)	1.4			
Length (ft)	30		Bankfull Width (ft)	15.0			
Width (in)	36		Bankfull:Culvert Ratio	0.4*			
Height (in)	36		Both pipes were identical.				
Outlet Perch (ft)	None						
Slope (%)	-1.6						
Rustline Height (in)	Entirely rusted						
Overall Condition	Critical						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.1		Habitat Points	3			
Habitat Quality	Poor		Habitat Quality Points	1			
Fish Species	Anad.		Fish Points	3			
Barrier Class	Red		Barrier Points	3			
			Prioritization Total Points	10			



Inlet



Outlet

Notes: Dual pipes at this location. *Based on combined inlet widths. Water quality in channel appeared very poor.

LOCATION INFO				Culvert #	952	Priority	M
Watershed		Trask River					
Stream Name		Holden Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 30, SW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		434445/5035277					
Road Name		Miller Road					
Road/Culvert Owner		City of Tillamook					
Adjacent Landowners	School Dist. #9, Hampton Lumber, City of Tillamook						
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	6.1				
Material	Corrugated metal	Upstream Gradient (%)	3.6				
Length (ft)	95	Bankfull Width (ft)	8.7				
Width (in)	66	Bankfull:Culvert Ratio	1.26**				
Height (in)	66*	Both pipes were identical. Pipe inverts have 1.5 to 2 ft sediment and so neither pipe was capable of conveying their designed volume. *We were unable to measure the full vertical dimensions of either pipe inlet (probably due to sedimentation).					
Outlet Perch (ft)	None						
Slope (%)	unknown						
Rustline Height (in)	52						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	3.4	Habitat Points	4				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Gray	Barrier Points	2				
		Prioritization Total Points	10				
Notes: Dual pipes at this location. Both outlets submerged and not accessible for measuring outlet invert elevation. As a result, we were unable to calculate the gradient of the pipes. **Based on combined inlet widths.							

A photograph showing the inlet of a culvert. Two pipes are visible, submerged in a stream. The water is calm, reflecting the surrounding trees and sky. The banks are covered with green vegetation.

Inlet



A photograph showing the outlet of the culvert. Two pipes are visible, submerged in a stream. The water is calm, reflecting the surrounding trees and sky. The banks are covered with green vegetation.




Outlet

LOCATION INFO				Culvert #	942	Priority	H
Watershed				Trask River			
Stream Name				Holden Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 30, SW¼ of SE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				434837/5033295			
Road Name				Hampton Lumber Mill internal road			
Road/Culvert Owner				Hampton Lumber Co.			
Adjacent Landowners				Hampton Lumber Co.			
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)		10.0			
Material	Corrugated metal	Upstream Gradient (%)		7.8			
Length (ft)	~199	Bankfull Width (ft)		12.9			
Width (in)	78	Bankfull:Culvert Ratio		1.1**			
Height (in)	78*	Pipe length approximate because pipe barrel bends under roadway.					
Outlet Perch (ft)	Unknown*						
Slope (%)	Unknown*						
Rustline Height (in)	Entirely rusted						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	3.2	Habitat Points		4			
Habitat Quality	Poor	Habitat Quality Points		1			
Fish Species	Anad.	Fish Points		3			
Barrier Class	Red	Barrier Points		3			
		Prioritization Total Points		11			
Notes: Dual pipes at this location. * Heavy sedimentation in pipes, unable to find inverts on either end. **Based on combined inlet widths.							


Inlet

Outlet


LOCATION INFO				Culvert #	945	Priority	H
Watershed		Trask River					
Stream Name		Holden Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 30, SW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		435013/5033315					
Road Name		Hampton Lumber Mill internal road					
Road/Culvert Owner		Hampton Lumber Co.					
Adjacent Landowners		Hampton Lumber Co.					
CULVERT INFO		CHANNEL INFO				 Inlet	
Shape	Circular	Inlet Gradient (%)	3.0				
Material	Corrugated metal	Upstream Gradient (%)	2.0				
Length (ft)	41	Bankfull Width (ft)	12.5				
Width (in)	60(48)	Bankfull:Culvert Ratio	0.7*				
Height (in)	60 (48)						
Outlet Perch (ft)	0.6 (none)						
Slope (%)	1.5(0.1)						
Rustline Height (in)	entirely rusted						
Overall Condition	Critical						
PRIORITIZATION ANALYSIS						 Outlet	
Upstream Habitat Length (mi)	3.1	Habitat Points	4				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	11				
Notes: Dual pipes at this location. *Based on combined inlet widths. Both inlets very damaged.							

LOCATION INFO				Culvert #	946	Priority	M	
Watershed		Trask River						
Stream Name		Holden Creek						
Township-Range-Section-1/4		T1S, R9W, Sec. 30, SW¼ of SE¼						
UTM Easting/Northing (Zone 10, NAD 1983)		435218/5033198						
Road Name		Evergreen Road						
Road/Culvert Owner		City of Tillamook						
Adjacent Landowners		Five Rivers Assisted Living and R. & H. Obrist						
CULVERT INFO		CHANNEL INFO				 		
Shape	Box	Inlet Gradient (%)	6.7		Inlet			
Material	Concrete	Upstream Gradient (%)	1.2					
Length (ft)	39	Bankfull Width (ft)	8.3					
Width (in)	96	Bankfull:Culvert Ratio	1.0					
Height (in)	72							
Outlet Perch (ft)	0.3							
Slope (%)	2.4							
Rustline Height (in)	18							
Overall Condition	Fair							
PRIORITIZATION ANALYSIS						 Outlet		
Upstream Habitat Length (mi)	2.9	Habitat Points	4					
Habitat Quality	Poor	Habitat Quality Points	1					
Fish Species	Anad.	Fish Points	3					
Barrier Class	Gray	Barrier Points	2					
		Prioritization Total Points	10					
Notes: Continuous stream substrate through culvert.								

LOCATION INFO				Culvert #	948	Priority	H
Watershed			Trask River				
Stream Name			Holden Creek				
Township-Range-Section-1/4			T1S, R9W, Sec. 29, SW¼ of SW¼				
UTM Easting/Northing (Zone 10, NAD 1983)			435550/5033273				
Road Name			Murray Way				
Road/Culvert Owner			City of Tillamook				
Adjacent Landowners		J. Hercher, L. Beyer, D. & C. Brown, and D. & P. Helmick					
CULVERT INFO			CHANNEL INFO				
Shape	Circular		Inlet Gradient (%)	1.9(1.3)			
Material	Corrugated metal		Upstream Gradient (%)	0.9			
Length (ft)	20		Bankfull Width (ft)	10.0			
Width (in)	48(48)		Bankfull:Culvert Ratio	0.8*			
Height (in)	48(48)						
Outlet Perch (ft)	None						
Slope (%)	5.8(4.6)						
Rustline Height (in)	entirely rusted						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		2.7	Habitat Points		4		
Habitat Quality		Poor	Habitat Quality Points		1		
Fish Species		Anad.	Fish Points		3		
Barrier Class		Red	Barrier Points		3		
			Prioritization Total Points		11		
Notes: Dual pipes at this location. *Based on combined inlet widths.							



Inlet - upstream







Outlet

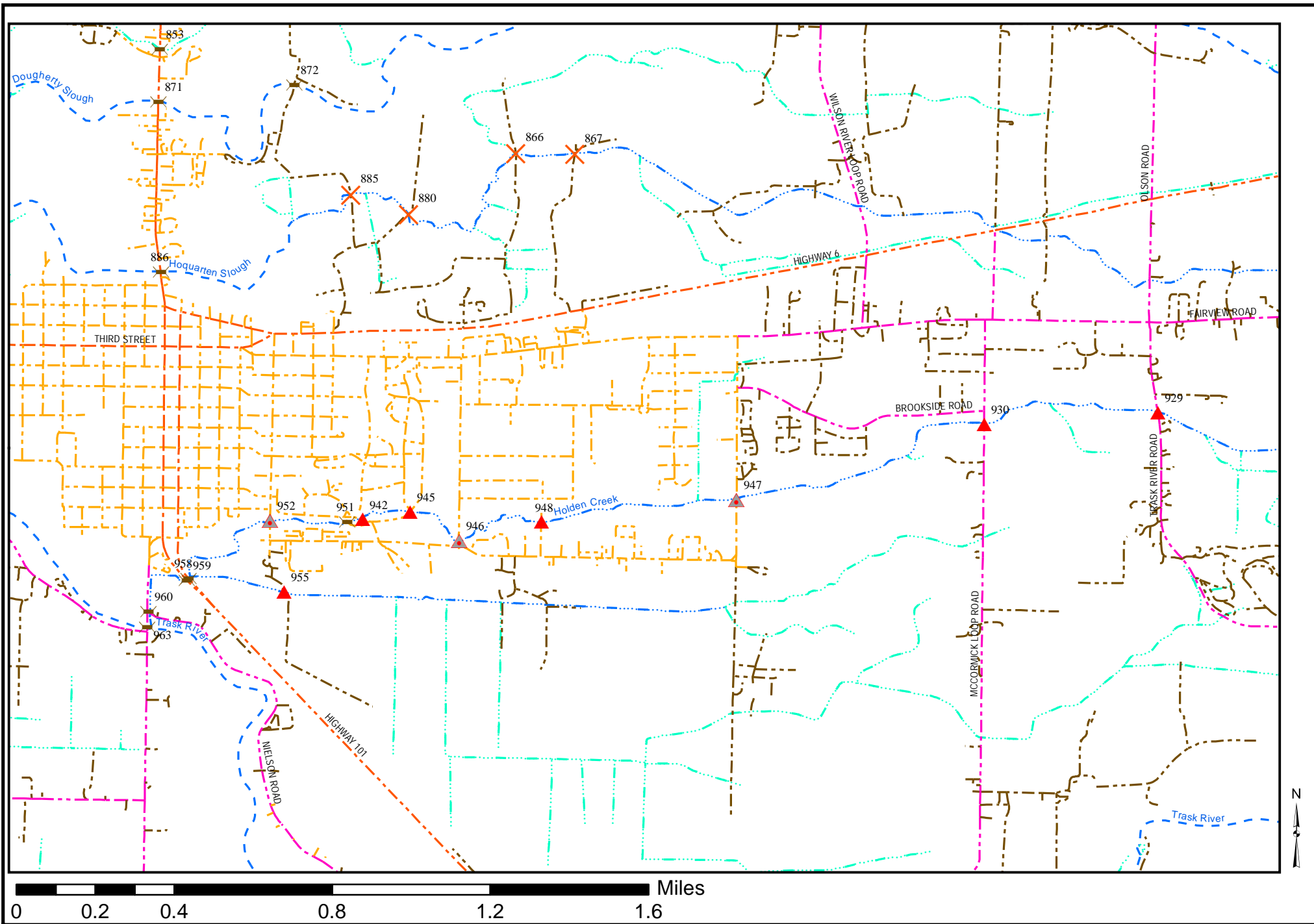
LOCATION INFO				Culvert #	947	Priority	M
Watershed				Trask River			
Stream Name				Holden Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 29, SE¼ of SW¼			
UTM Easting/Northing (Zone 10, NAD 1983)				436344/5033372			
Road Name				Marolf Loop Road			
Road/Culvert Owner				City of Tillamook			
Adjacent Landowners	W. & J. Krake, AoG Church, K. Dillenburg, and K. Haltiner						
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	21.7				
Material	Concrete	Upstream Gradient (%)	0.4				
Length (ft)	28	Bankfull Width (ft)	8.9				
Width (in)	78	Bankfull:Culvert Ratio	0.7				
Height (in)	54						
Outlet Perch (ft)	None						
Slope (%)	0.3						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.2	Habitat Points	4				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Gray	Barrier Points	2				
		Prioritization Total Points	10				
Notes: Continuous stream substrate through culvert.							

Inlet

Outlet



LOCATION INFO				Culvert #	930	Priority	M
Watershed		Trask River					
Stream Name		Holden Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 28, NW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		437353/5033678					
Road Name		McCormick Loop Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		O. Rowe, T. & M. Jacob, and R. Montgomery-Boge					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)		6.3			
Material	Corrugated metal	Upstream Gradient (%)		2.1			
Length (ft)	46	Bankfull Width (ft)		11.4			
Width (in)	60	Bankfull:Culvert Ratio		0.4			
Height (in)	48*	*substrate covering invert					
Outlet Perch (ft)	0.1						
Slope (%)	1.7						
Rustline Height (in)	23						
Overall Condition		Poor					
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		1.5	Habitat Points		3		
Habitat Quality		Poor	Habitat Quality Points		1		
Fish Species		Anad.	Fish Points		3		
Barrier Class		Red	Barrier Points		3		
			Prioritization Total Points		10		
Notes:							

LOCATION INFO				Culvert #	929	Priority	L
Watershed		Trask River					
Stream Name		Holden Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 28, NW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		438068/5033726					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Fairview Acres Dairy and R. & J. Penberthy					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	10.0				
Material	Concrete (Corrugated metal)	Upstream Gradient (%)	0.7				
Length (ft)	34	Bankfull Width (ft)	8.3				
Width (in)	36(42)	Bankfull:Culvert Ratio	0.8*				
Height (in)	36(42)						
Outlet Perch (ft)	None						
Slope (%)	2.9(1.6)						
Rustline Height (in)	N/A(20)						
Overall Condition	Fair(Poor)						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.0	Habitat Points	2				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes: Dual pipes at this crossing. *Bankfull:Culvert Ratio based on combined width of pipes. Channel was dry during summer 2011 site visit.							




Holden Creek Culverts, Trask River Basin


MILL CREEK CULVERTS

LOCATION INFO				Culvert #	1094	Priority	H
Watershed		Trask River					
Stream Name		Unnamed tributary of Mill Creek (Trib. A)					
Township-Range-Section-1/4		T2S, R9W, Sec. 3, SW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		438771/5029891					
Road Name		Brickyard Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Tillamook County and W. Hancock					
CULVERT INFO			CHANNEL INFO				
Shape	Circular		Inlet Gradient (%)	40.0			 
Material	Corrugated metal		Upstream Gradient (%)	4.9			
Length (ft)	67		Bankfull Width (ft)	4.6			
Width (in)	48		Bankfull:Culvert Ratio	0.9			
Height (in)	48						
Outlet Perch (ft)	0.5						
Slope (%)	0.9						
Rustline Height (in)	entirely rusted						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		3.5	Habitat Points		4		
Habitat Quality		Fair	Habitat Quality Points		2		
Fish Species		Anad.	Fish Points		3		
Barrier Class		Red	Barrier Points		3		
			Prioritization Total Points		12		
Notes: Pipe is in very poor condition. Invert worn through along a considerable portion of the pipe.							

LOCATION INFO				Culvert #	1095	Priority	NA
Watershed		Trask River					
Stream Name		Unnamed tributary of Mill Creek (Trib. A)					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439674/5029747					
Road Name		Private Drive off Mill Creek Road					
Road/Culvert Owner		R. Coppini					
Adjacent Landowners		R. Coppini					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe Arch	Inlet Gradient (%)	6.8				
Material	Corrugated metal	Upstream Gradient (%)	2.9				
Length (ft)	44	Bankfull Width (ft)	8.1				
Width (in)	126	Bankfull:Culvert Ratio	1.3				
Height (in)	84						
Outlet Perch (ft)	None						
Slope (%)	0.1						
Rustline Height (in)	21						
Overall Condition	Good						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		2.9	Habitat Points	4			
Habitat Quality		Fair	Habitat Quality Points	2			
Fish Species		Anad.	Fish Points	3			
Barrier Class		Green	Barrier Points	1			
			Prioritization Total Points	10			
Notes:							




Inlet




Outlet



LOCATION INFO				Culvert #	1106	Priority	H
Watershed		Trask River					
Stream Name		Mill Creek					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439145/5029501					
Road Name		Brickyard Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		J. & B. Schriber and E. & K. McMurphy					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	11.6				
Material	Concrete	Upstream Gradient (%)	7.8				
Length (ft)	56	Bankfull Width (ft)	7.1				
Width (in)	32	Bankfull:Culvert Ratio	0.4				
Height (in)	32	*Unable to survey tailwater control point due to lack of private land access.					
Outlet Perch (ft)	Unknown*						
Slope (%)	1.1						
Rustline Height (in)	15						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.4	Habitat Points	4				
Habitat Quality	Fair(+)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes: Segments are separating causing culvert barrel to be deformed.							






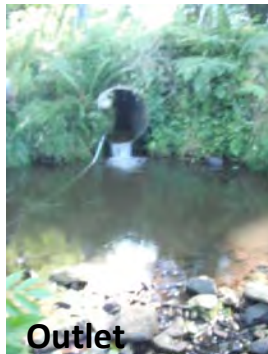
Inlet





Outlet

LOCATION INFO				Culvert #	1107	Priority	H
Watershed		Trask River					
Stream Name		Mill Creek					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439439/5029531					
Road Name		Private drive off Mill Creek Road					
Road/Culvert Owner		P. & R. Carlson					
Adjacent Landowners		R. Smith, P. & R. Carlson, and R. & G. Smith					
CULVERT INFO		CHANNEL INFO				 Inlet  Outlet	
Shape	Circular	Inlet Gradient (%)	1.4				
Material	Corrugated metal	Upstream Gradient (%)	5.2				
Length (ft)	26	Bankfull Width (ft)	6.5				
Width (in)	48	Bankfull:Culvert Ratio	0.6				
Height (in)	48						
Outlet Perch (ft)	1.2						
Slope (%)	0.1						
Rustline Height (in)	17						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.2	Habitat Points	4				
Habitat Quality	Fair(+)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes:							


LOCATION INFO				Culvert #	1105	Priority	H
Watershed		Trask River					
Stream Name		Mill Creek					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439636/5029535					
Road Name		Private drive off Mill Creek Road					
Road/Culvert Owner		R. Coppini					
Adjacent Landowners		G. & A. Petersen and D. & M. Sexton					
CULVERT INFO		CHANNEL INFO				 Inlet	
Shape	Circular	Inlet Gradient (%)	10.6				
Material	Corrugated metal	Upstream Gradient (%)	2.4				
Length (ft)	27	Bankfull Width (ft)	6.4				
Width (in)	29(29)	Bankfull:Culvert Ratio	0.8*				
Height (in)	29(29)	*Bankfull:Culvert Ratio based on combined width of both pipes.					
Outlet Perch (ft)	0.4(0.4)						
Slope (%)	1.0(1.1)						
Rustline Height (in)	13(17)						
Overall Condition	Poor					 Outlet	
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.1	Habitat Points	4				
Habitat Quality	Fair(+)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes: Two pipes at this location.							

LOCATION INFO				Culvert #	1128	Priority	H
Watershed		Trask River					
Stream Name		Mill Creek					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, SW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439929/5029449					
Road Name		Private drive off Mill Creek Road					
Road/Culvert Owner		R. Coppini					
Adjacent Landowners		G. & A. Petersen and D. & M. Sexton					
CULVERT INFO		CHANNEL INFO				 Inlet  Outlet	
Shape	Circular	Inlet Gradient (%)	13.6				
Material	Corrugated metal	Upstream Gradient (%)	5.3				
Length (ft)	27	Bankfull Width (ft)	6.3				
Width (in)	37	Bankfull:Culvert Ratio	0.5				
Height (in)	37						
Outlet Perch (ft)	0.8						
Slope (%)	2.4						
Rustline Height (in)	23						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.9	Habitat Points	4				
Habitat Quality	Fair(+)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes: Two pipes at this location. The second was a 19 in dia. CMP that was located ~4 ft to one side of the main pipe and ~2ft higher elevation. Because this pipe likely only conveys flows during very high flows, it was not used for the Bankfull:Culvert ratio.							


LOCATION INFO				Culvert #	1127	Priority	H
Watershed				Trask River			
Stream Name				Mill Creek			
Township-Range-Section-1/4				T2S, R9W, Sec. 10, SW¼ of NE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				440016/5029440			
Road Name				Private Drive off Mill Creek Road			
Road/Culvert Owner				P. & C. Betlinski			
Adjacent Landowners				P. & C. Betlinski			
CULVERT INFO		CHANNEL INFO		<div> Inlet</div> <div> Outlet</div>			
Shape	Circular	Inlet Gradient (%)	17.6				
Material	Concrete	Upstream Gradient (%)	4.7				
Length (ft)	22	Bankfull Width (ft)	9.9				
Width (in)	42	Bankfull:Culvert Ratio	0.4				
Height (in)	42						
Outlet Perch (ft)	0.7						
Slope (%)	1.5						
Rustline Height (in)	21						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.8	Habitat Points	4				
Habitat Quality	Good	Habitat Quality Points	3				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	13				
Notes: Segments of pipe are separating, causing deformation of the culvert barrel.							

Outlet

LOCATION INFO				Culvert #	1134	Priority	H
Watershed			Trask River				
Stream Name		Unnamed tributary of Mill Creek (Trib. B)					
Township-Range-Section-1/4			T2S, R9W, Sec. 10, NE¼ of SW¼				
UTM Easting/Northing (Zone 10, NAD 1983)			438891/5028837				
Road Name			Magnolia Drive				
Road/Culvert Owner			Private Drive				
Adjacent Landowners		N. & M. Paladeeni and C. Winder					
CULVERT INFO			CHANNEL INFO				
Shape	Pipe arch		Inlet Gradient (%)	3.1			
Material	Corrugated metal		Upstream Gradient (%)	3.5			
Length (ft)	37		Bankfull Width (ft)	13.3			
Width (in)	144		Bankfull:Culvert Ratio	0.9			
Height (in)	96						
Outlet Perch (ft)	0.3						
Slope (%)	0.3						
Rustline Height (in)	28						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		3.8	Habitat Points		4		
Habitat Quality		Fair(-)	Habitat Quality Points		2		
Fish Species		Anad.	Fish Points		3		
Barrier Class		Gray	Barrier Points		2		
			Prioritization Total Points		11		
Notes:							





Inlet






Outlet





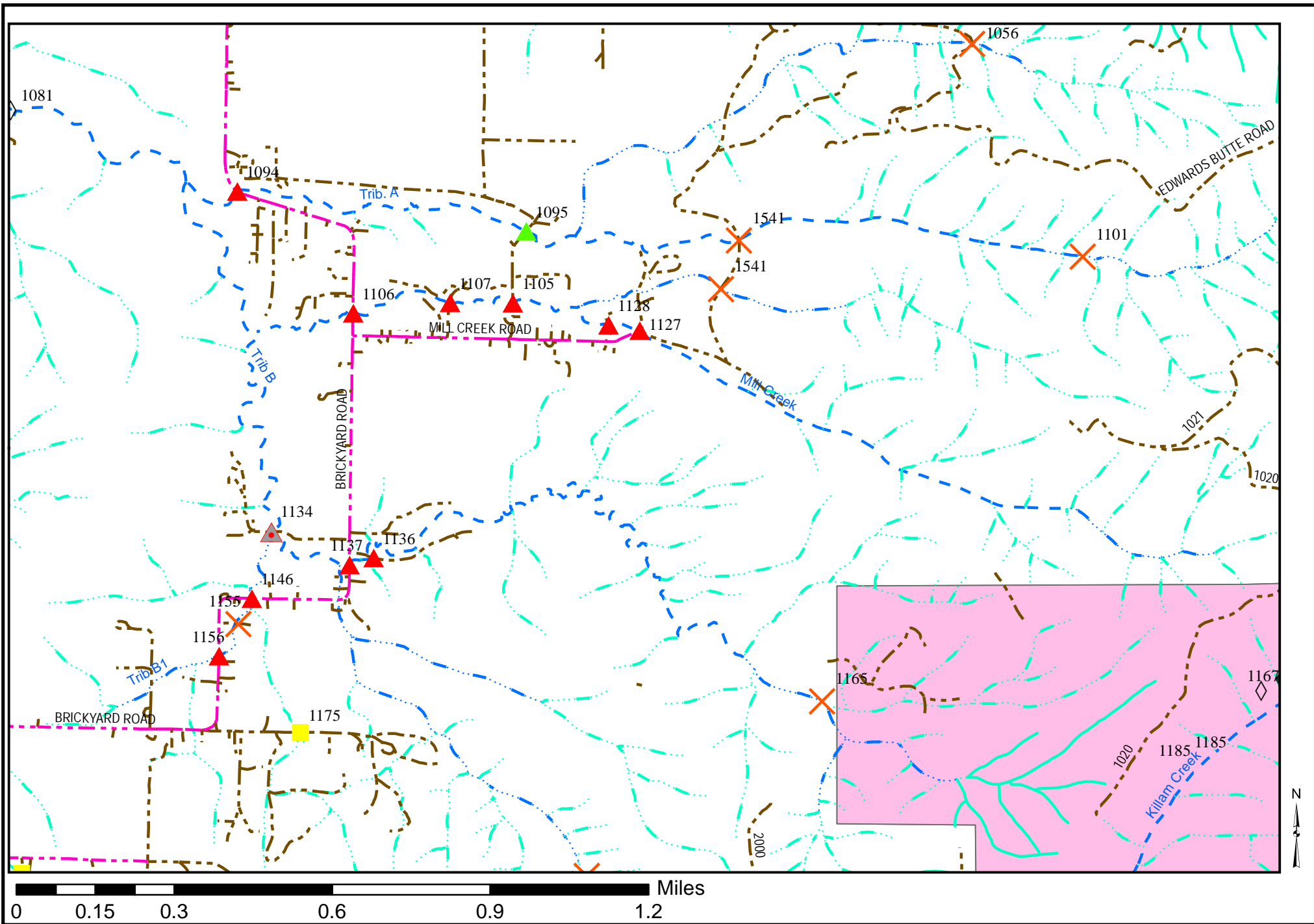
Outlet

LOCATION INFO				Culvert #	1137	Priority	H
Watershed		Trask River					
Stream Name		Unnamed tributary of Mill Creek (Trib. B)					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439127/5028736					
Road Name		Brickyard Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		M. & V. Gabel, G. & M. Kominoth, M. Barber, and R. & J. Christie					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	7.8(6.1)				
Material	Concrete	Upstream Gradient (%)	14.5				
Length (ft)	43	Bankfull Width (ft)	14.6				
Width (in)	36(36)	Bankfull:Culvert Ratio	0.4*				
Height (in)	36(36)	*Bankfull:Culvert ratio based on combined width of both pipes.					
Outlet Perch (ft)	0.4(0.1)						
Slope (%)	0.9(1.3)						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.9	Habitat Points	4				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	11				
Notes: Dual pipes at this location. Trash rack at inlet had not been maintained and had a considerable amount of debris built up.							

LOCATION INFO				Culvert #	1136	Priority	H
Watershed		Trask River					
Stream Name		Unnamed tributary of Mill Creek (Trib. B)					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439203/5028756					
Road Name		Private Drive off Brickyard Road					
Road/Culvert Owner		R. & J. Christie					
Adjacent Landowners		M. Barber and R. & J. Christie					
CULVERT INFO		CHANNEL INFO				 Inlet	
Shape	Circular	Inlet Gradient (%)	1.2(4.6)				
Material	Plastic	Upstream Gradient (%)	1.6				
Length (ft)	22	Bankfull Width (ft)	10.0				
Width (in)	36(36)	Bankfull:Culvert Ratio	0.6*				
Height (in)	36(36)	*Bankfull:Culvert ratio based on combined width of both pipes.					
Outlet Perch (ft)	0.2(1.0)						
Slope (%)	2.3(0.4)						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.8	Habitat Points	4				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	11				
Notes: Dual pipes at this location. RBA data indicates numerous beaver impoundments, low flows and limited anadromous potential above this crossing. Culverts were not conveying water during summer 2011 field visit.							



LOCATION INFO				Culvert #	1146	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Mill Creek (Trib. B)					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		438824/5028627					
Road Name		Brickyard Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		A. Ableman, H.U.D., and Petersen Ventures Inc.					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	7.4				
Material	Concrete	Upstream Gradient (%)	2.5				
Length (ft)	46	Bankfull Width (ft)	4.9				
Width (in)	36	Bankfull:Culvert Ratio	0.6				
Height (in)	36						
Outlet Perch (ft)	None						
Slope (%)	1.2						
Rustline Height (in)	N/A						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.4	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: Water quality appeared very poor during summer 2011 site visit.							


LOCATION INFO				Culvert #	1156	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Mill Creek (Trib. B1)					
Township-Range-Section-1/4		T2S, R9W, Sec. 10, NE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		438728/5028449					
Road Name		Brickyard Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		M. Barber and R. & J. Christie					
CULVERT INFO		CHANNEL INFO				 Inlet - upstream	
Shape	Circular	Inlet Gradient (%)		50.5			
Material	Concrete	Upstream Gradient (%)		12.1			
Length (ft)	43	Bankfull Width (ft)		3.3			
Width (in)	30	Bankfull:Culvert Ratio		0.8			
Height (in)	30						
Outlet Perch (ft)	0.3						
Slope (%)	0.7						
Rustline Height (in)	N/A						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS						 Outlet	
Upstream Habitat Length (mi)		0.2	Habitat Points		1		
Habitat Quality		Poor	Habitat Quality Points		1		
Fish Species		Anad.	Fish Points		3		
Barrier Class		Red	Barrier Points		3		
			Prioritization Total Points		8		
Notes:							





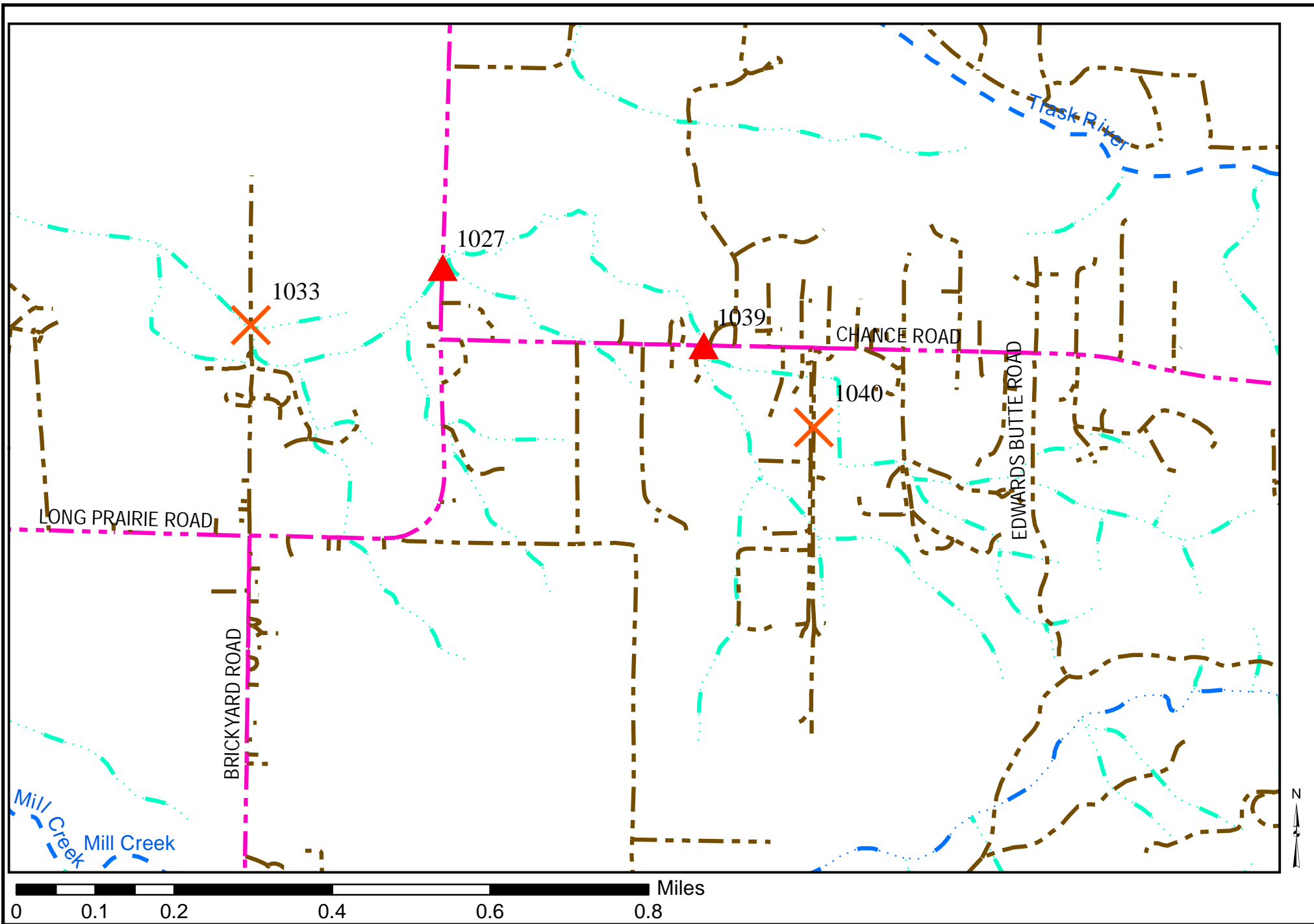
Mill Creek Culverts, Trask River Basin

CHANCE ROAD AREA CULVERTS

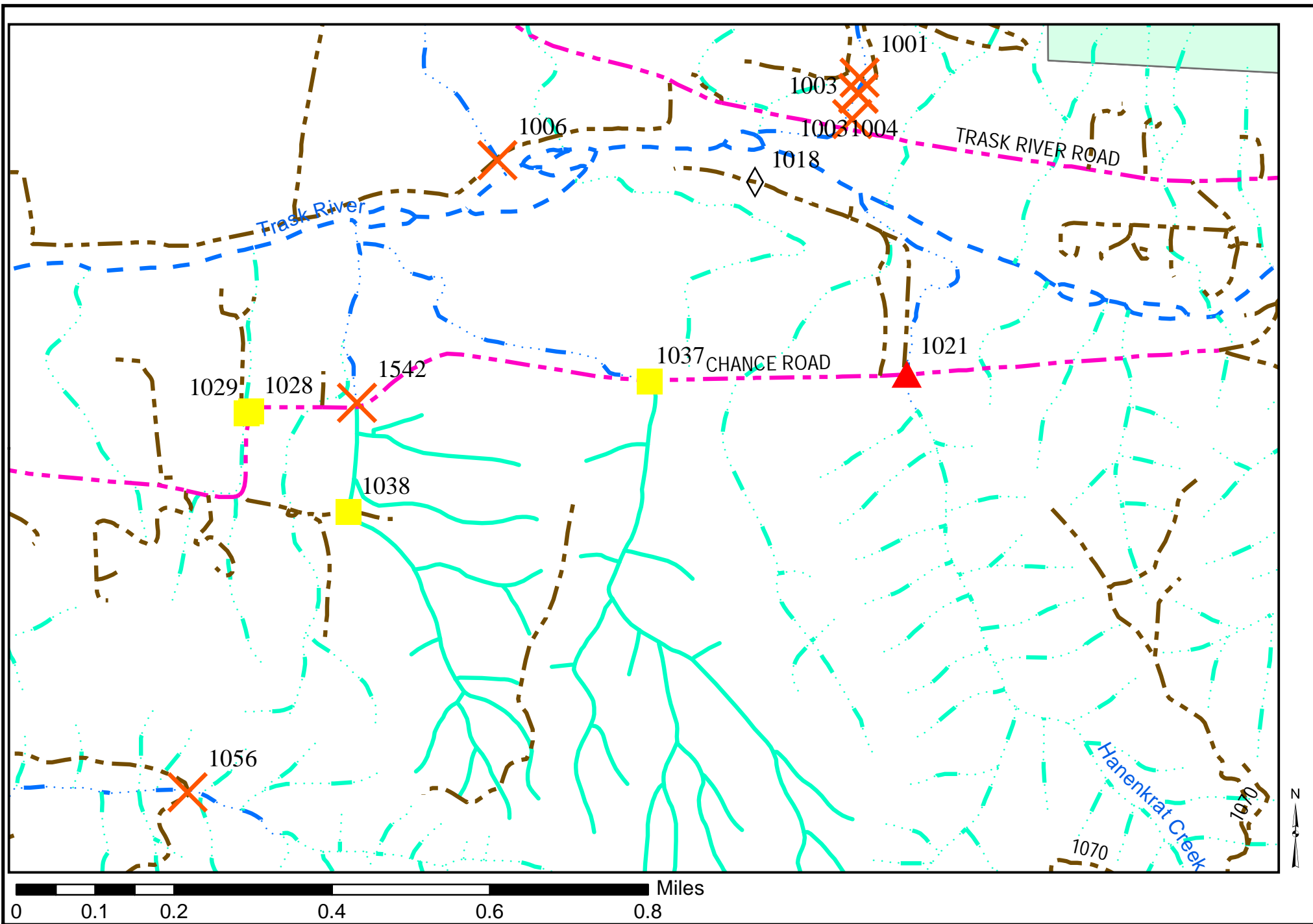
LOCATION INFO				Culvert #	1027	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T2S, R9W, Sec. 3, NW¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439161/5031219					
Road Name		Long Prairie Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		R.&W. Landolt, S.&J. Lourenzo, and B. Knowlton					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	-4.0				
Material	Corrugated metal	Upstream Gradient (%)	1.2				
Length (ft)	59	Bankfull Width (ft)	9.2				
Width (in)	54	Bankfull:Culvert Ratio	0.5				
Height (in)	54						
Outlet Perch (ft)	0.5						
Slope (%)	0.3						
Rustline Height (in)	48						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.6	Habitat Points	2				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
<p>Notes: Stream listed as Nonfish-modeled. However, a member of our advisory team has observed juvenile salmon in this stream above culvert 1039. As a result, we considered this stream as suitable habitat for salmonids up to a short distance above culvert 1039.</p>							

LOCATION INFO				Culvert #	1039	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T2S, R9W, Sec. 3, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439686/5031041					
Road Name		Chance Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		L. Vogt, P. Wirfs, and C. McClure					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	~7.0				
Material	Concrete	Downstream Gradient (%)	3.3				
Length (ft)	40	Bankfull Width (ft)	3.1				
Width (in)	54	Bankfull:Culvert Ratio	1.5				
Height (in)	54	Inlet inaccessible due to dense blackberry plants and a fence					
Outlet Perch (ft)	0.6						
Slope (%)	2.5						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.2	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							

LOCATION INFO				Culvert #	1021	Priority	L
Watershed		Trask River		 			
Stream Name		Hanenkrat Creek					
Township-Range-Section-1/4		T2S, R9W, Sec. 1, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		442541/5031175					
Road Name		Chance Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		J. & D. Hanenkrat, R. & R. Kneeland and Stimson Lumber Co.					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	11.5				
Material	Concrete	Upstream Gradient (%)	13.0				
Length (ft)	35	Bankfull Width (ft)	7.1				
Width (in)	36	Bankfull:Culvert Ratio	0.4				
Height (in)	36	Topography precluded use of surveying equipment to gather longitudinal profile data.					
Outlet Perch (ft)	2.5						
Slope (%)	22.0						
Rustline Height (in)	N/A						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes:							







West Chance Road Culverts, Trask River Basin

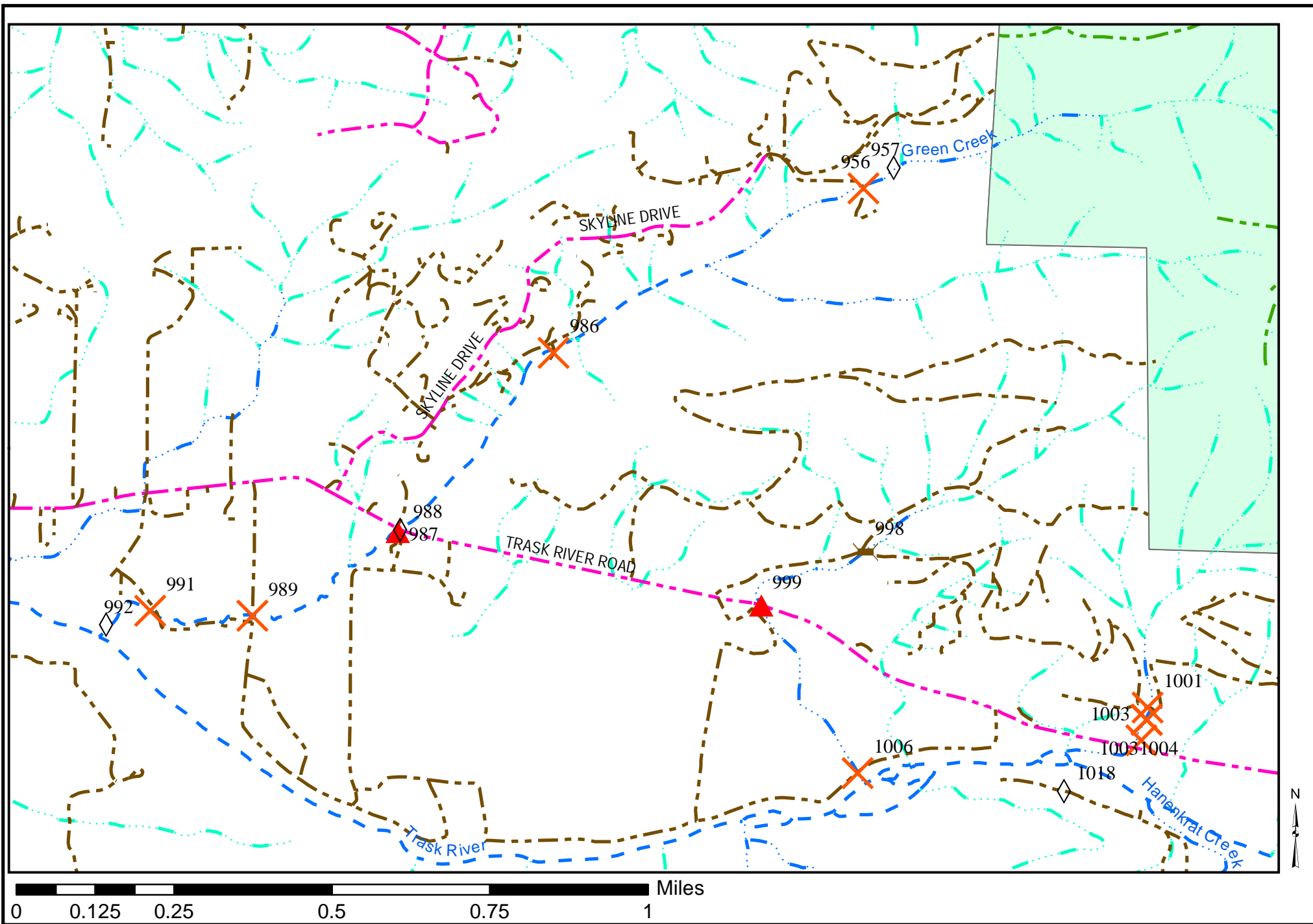


East Chance Road Culverts, Trask River Basin

LOWER TRASK RIVER ROAD AREA CULVERTS


LOCATION INFO				Culvert #	987	Priority	H
Watershed		Trask River					
Stream Name		Green Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 35, SW¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		440497/5032236					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		S-C Paving, Inc. and R.&K. Huffman					
CULVERT INFO		CHANNEL INFO				 Inlet  Outlet	
Shape	Circular	Inlet Gradient (%)	1.0				
Material	Corrugated metal	Upstream Gradient (%)	5.6				
Length (ft)	50	Bankfull Width (ft)	7.7				
Width (in)	53	Bankfull:Culvert Ratio	0.6				
Height (in)	53						
Outlet Perch (ft)	1.0						
Slope (%)	5.6						
Rustline Height (in)	35						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.7	Habitat Points	4				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes: Configuration of culvert inlet apron and substrate created turbulent flows at inlet. One crossing occurred below this culvert. We were unable to access this crossing to complete an assessment.							

LOCATION INFO				Culvert #	999	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T1S, R9W, Sec. 35, SW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		441421/5032051					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		C. & S. Katen and J. Deswart					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	3.8				
Material	Concrete	Upstream Gradient (%)	13.1				
Length (ft)	80	Bankfull Width (ft)	4.6				
Width (in)	24	Bankfull:Culvert Ratio	0.4				
Height (in)	24						
Outlet Perch (ft)	1.5						
Slope (%)	6.2						
Rustline Height (in)	N/A						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.3	Habitat Points	1				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes: Pipe barrel was not straight – its trajectory changed direction under the road bed.							






Lower Trask River Road Culverts, Trask River Basin

PENINSULA AREA CULVERTS


LOCATION INFO				Culvert #	918	Priority	M
Watershed		Trask River					
Stream Name		Hatchery Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 29, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		446257/5033862					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		D. Wilks and C. Ballenger					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	9.0				
Material	Corrugated metal	Upstream Gradient (%)	12.0				
Length (ft)	50	Bankfull Width (ft)	6.2				
Width (in)	66	Bankfull:Culvert Ratio	0.9				
Height (in)	66						
Outlet Perch (ft)	~5.0						
Slope (%)	6.0						
Rustline Height (in)	12						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.7	Habitat Points	2				
Habitat Quality	Fair(-)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	10				
Notes: Unable to access the downstream side of the pipe. Perch height is approximate.							

LOCATION INFO				Culvert #	892	Priority	NA
Watershed				Trask River			
Stream Name				Blue Ridge Creek			
Township-Range-Section-1/4				T1S, R8W, Sec. 21, SW¼ of SW¼			
UTM Easting/Northing (Zone 10, NAD 1983)				447004/5034087			
Road Name				Trask River Road			
Road/Culvert Owner				Tillamook County			
Adjacent Landowners				Oregon Department of Forestry			
CULVERT INFO		CHANNEL INFO					
Shape		Circular	Inlet Gradient (%)	Not collected			
Material		Corrugated metal	Upstream Gradient (%)	Not collected			
Length (ft)		Not collected	Bankfull Width (ft)	Not collected			
Width (in)		Not collected	Bankfull:Culvert Ratio	Not collected			
Height (in)		Not collected	Several other crossings along this reach of the Trask River are similarly situated including 924, 941, 980, 7777, and 8888 (see map). We also designated these crossings NFC, but do not provide similar tabular information for these crossings.				
Outlet Perch (ft)		Not collected					
Slope (%)		Not collected					
Rustline Height (in)		Not collected					
Overall Condition		Good					
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		0.5	Habitat Points				
Habitat Quality			Habitat Quality Points				
Fish Species		Resident	Fish Points				
Barrier Class		Red	Barrier Points				
			Prioritization Total Points				
Notes: Pipe classified as NFC. Although it occurs on a designated fish stream, it was constructed on a natural bedrock waterfall that, historically, was almost certainly a barrier to anadromous fish passage. As a result, we did not consider this culvert as a barrier to fish passage, but elected to include it in this document to answer the inevitable questions that would arise in the minds of careful reviewers.							




LOCATION INFO				Culvert #	889	Priority	L
Watershed		Trask River					
Stream Name		Burton Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 21, SE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		447331/5034084					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO				 	
Shape	Circular	Inlet Gradient (%)	26.5				
Material	Corrugated metal	Upstream Gradient (%)	4.1				
Length (ft)	57	Bankfull Width (ft)	12.2				
Width (in)	90	Bankfull:Culvert Ratio	0.6				
Height (in)	90						
Outlet Perch (ft)	Unknown						
Slope (%)	5.5						
Rustline Height (in)	26						
Overall Condition	Critical						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: Pipe in extremely poor condition. Invert worn through nearly continuously from inlet to outlet, a seam was coming apart (resulting in deformation of barrel), and fill on outlet side badly eroding. Debris jamb on upstream side of culvert. Severity of fill erosion, prevented field crew from obtaining downstream channel measurements. As a result, we were unable to calculate perch height. However, the culvert did not appear to have a perched outlet. field crew observed small salmonids upstream of pipe.							

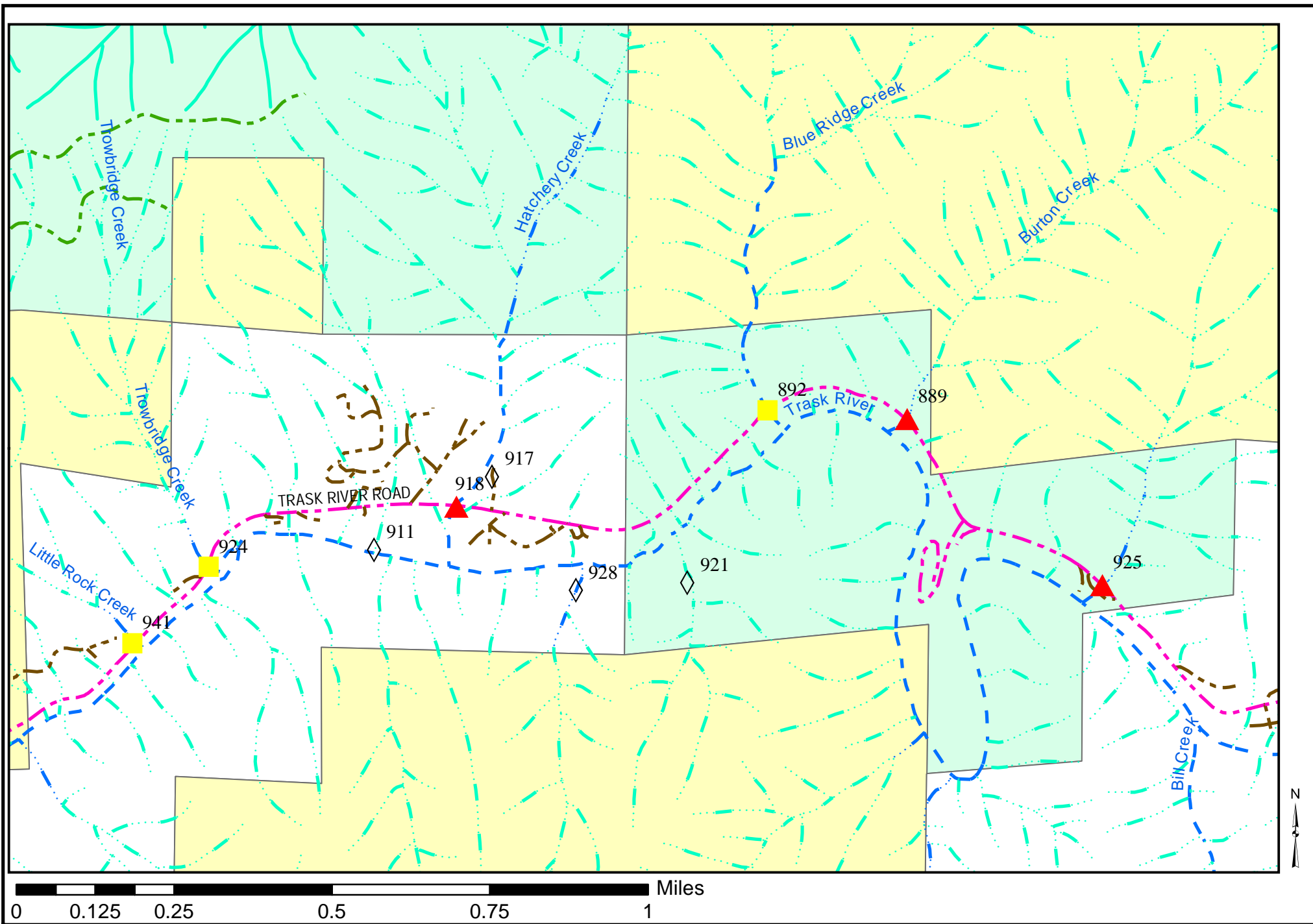
LOCATION INFO				Culvert #	925	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T1S, R8W, Sec. 28, NE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		447854/5033645					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	19.2				
Material	Concrete	Upstream Gradient (%)	8.2				
Length (ft)	70	Bankfull Width (ft)	6.6				
Width (in)	36	Bankfull:Culvert Ratio	0.5				
Height (in)	36						
Outlet Perch (ft)	2.6						
Slope (%)	7.5						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.3	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							



Inlet




Outlet




Peninsula Area Culverts, Trask River Basin


SAMSON CREEK AND JOHNSON CREEK AREA CULVERTS

LOCATION INFO				Culvert #	907	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T1S, R8W, Sec. 27, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		448996/5033853					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		J. & D. Bedford and L. Chu					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	11.0				
Material	Corrugated metal	Downstream Gradient (%)	8.0				
Length (ft)	70	Bankfull Width (ft)	8.4				
Width (in)	60	Bankfull:Culvert Ratio	0.6				
Height (in)	60	*Topography and vegetation precluded use of survey equipment to obtain longitudinal profile data.					
Outlet Perch (ft)	~0.6*						
Slope (%)	7.0						
Rustline Height (in)	29						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.6	Habitat Points	2				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes: Multiple seams separating and beginning to deform the pipe barrel.							

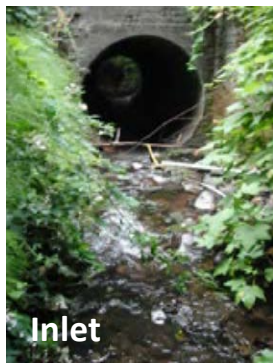
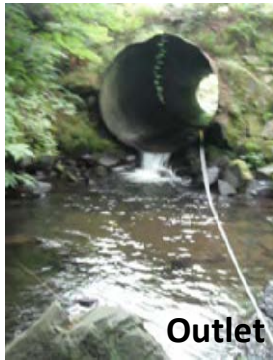
LOCATION INFO				Culvert #	903	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T1S, R8W, Sec. 27, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		449111/5033866					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		J. & D. Bedford, D. Stout and J. & S. Smith					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	13.8				
Material	Concrete	Upstream Gradient (%)	8.4				
Length (ft)	56	Bankfull Width (ft)	7.8				
Width (in)	36	Bankfull:Culvert Ratio	0.4				
Height (in)	36						
Outlet Perch (ft)	1.9						
Slope (%)	4.9						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.4	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: Another culvert is located several feet lateral to this pipe. It appears that that metal pipe was abandoned in place, because it looks to have been deliberately plugged and the upstream channel course appears to have been re-directed into the concrete culvert reported above.							





Inlet




Outlet


LOCATION INFO				Culvert #	902	Priority	H
Watershed				Trask River			
Stream Name				Samson Creek			
Township-Range-Section-1/4				T1S, R8W, Sec. 27, NW¼ of NE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				449229/5033876			
Road Name				Trask River Road			
Road/Culvert Owner				Tillamook County			
Adjacent Landowners				D. & E. Kujak and H. Johnson			
CULVERT INFO		CHANNEL INFO		<div> Inlet</div> <div> Outlet</div>			
Shape	Circular	Inlet Gradient (%)	8.5				
Material	Corrugated metal	Upstream Gradient (%)	4.3				
Length (ft)	46	Bankfull Width (ft)	10.8				
Width (in)	84	Bankfull:Culvert Ratio	0.7				
Height (in)	84						
Outlet Perch (ft)	1.1						
Slope (%)	5.5						
Rustline Height (in)	37						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.5	Habitat Points	3				
Habitat Quality	Good	Habitat Quality Points	3				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes: Several seams beginning to separate. One has separated across the invert and has resulted in an approximately 6 inch step within the barrel of the pipe.							

LOCATION INFO				Culvert #	915	Priority	H
Watershed		Trask River					
Stream Name		Johnson Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 26, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		450088/5033724					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe arch	Inlet Gradient (%)	5.2				
Material	Corrugated metal	Upstream Gradient (%)	3.0				
Length (ft)	59	Bankfull Width (ft)	5.0				
Width (in)	91	Bankfull:Culvert Ratio	1.5				
Height (in)	68						
Outlet Perch (ft)	2.9						
Slope (%)	0.2						
Rustline Height (in)	6						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.8	Habitat Points	2				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	10				
Notes: One seam separating, but repaired with a rubber strip. field crew noted that the strip appeared to seal the seam, but looked as if it “won’t last long.” Cascade over boulders at outlet. Culvert is appropriately sized, but apparently wasn’t sufficiently countersunk.							


LOCATION INFO				Culvert #	944	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T1S, R8W, Sec. 26, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		450089/5033396					
Road Name		Private Drive					
Road/Culvert Owner		Lincoln Trust Co.					
Adjacent Landowners		Lincoln Trust Co.					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	4.0				
Material	Plastic	Upstream Gradient (%)	11.0				
Length (ft)	30	Bankfull Width (ft)	2.5				
Width (in)	36	Bankfull:Culvert Ratio	1.2				
Height (in)	36	*Topography precluded use of surveying level to obtain longitudinal profile data.					
Outlet Perch (ft)	~3.0*						
Slope (%)	4.0						
Rustline Height (in)	N/A						
Overall Condition	Good						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: Inlet perched at low flows. Pipe barrel bent under road bed.							




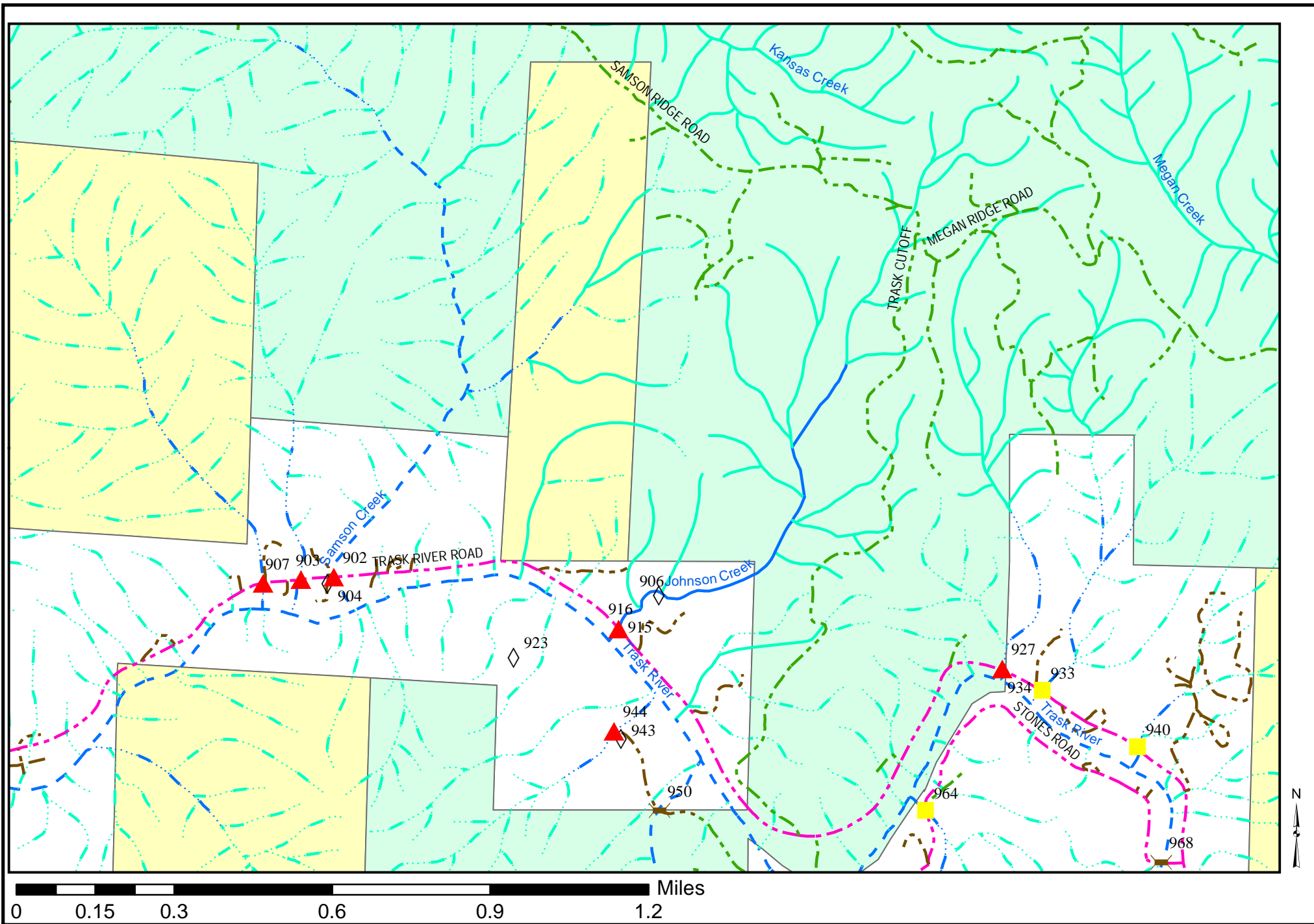
Inlet



Outlet



LOCATION INFO				Culvert #	927	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of Trask River					
Township-Range-Section-1/4		T1S, R8W, Sec. 26, NE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		451247/5033597					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		W.H. Bess					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	21.1				
Material	Concrete	Upstream Gradient (%)	4.7				
Length (ft)	44	Bankfull Width (ft)	4.5				
Width (in)	36	Bankfull:Culvert Ratio	0.7				
Height (in)	36						
Outlet Perch (ft)	0.6						
Slope (%)	9.2						
Rustline Height (in)	n/a						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							





Samson Creek and Johnson Creek Area Culverts, Trask River Basin

LOWER SOUTH FORK TRASK RIVER AREA CULVERT

LOCATION INFO				Culvert #	1010	Priority	L
Watershed		Trask River					
Stream Name		Unnamed tributary of S. Fork Trask River					
Township-Range-Section-1/4		T1S, R8W, Sec. 36, SE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		452667/5031535					
Road Name		Trask River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		B. Green and E. Nice					
CULVERT INFO		CHANNEL INFO				 <div>Inlet</div>  <div>Outlet</div>	
Shape	Circular	Inlet Gradient (%)	1.8				
Material	Corrugated metal	Upstream Gradient (%)	12.5				
Length (ft)	64	Bankfull Width (ft)	9.0				
Width (in)	48	Bankfull:Culvert Ratio	0.5				
Height (in)	48						
Outlet Perch (ft)	4.5						
Slope (%)	3.0						
Rustline Height (in)	22						
Overall Condition	Critical						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: Invert almost entirely rusted through from inlet to outlet. Remainder of pipe also very corroded and unstable.							