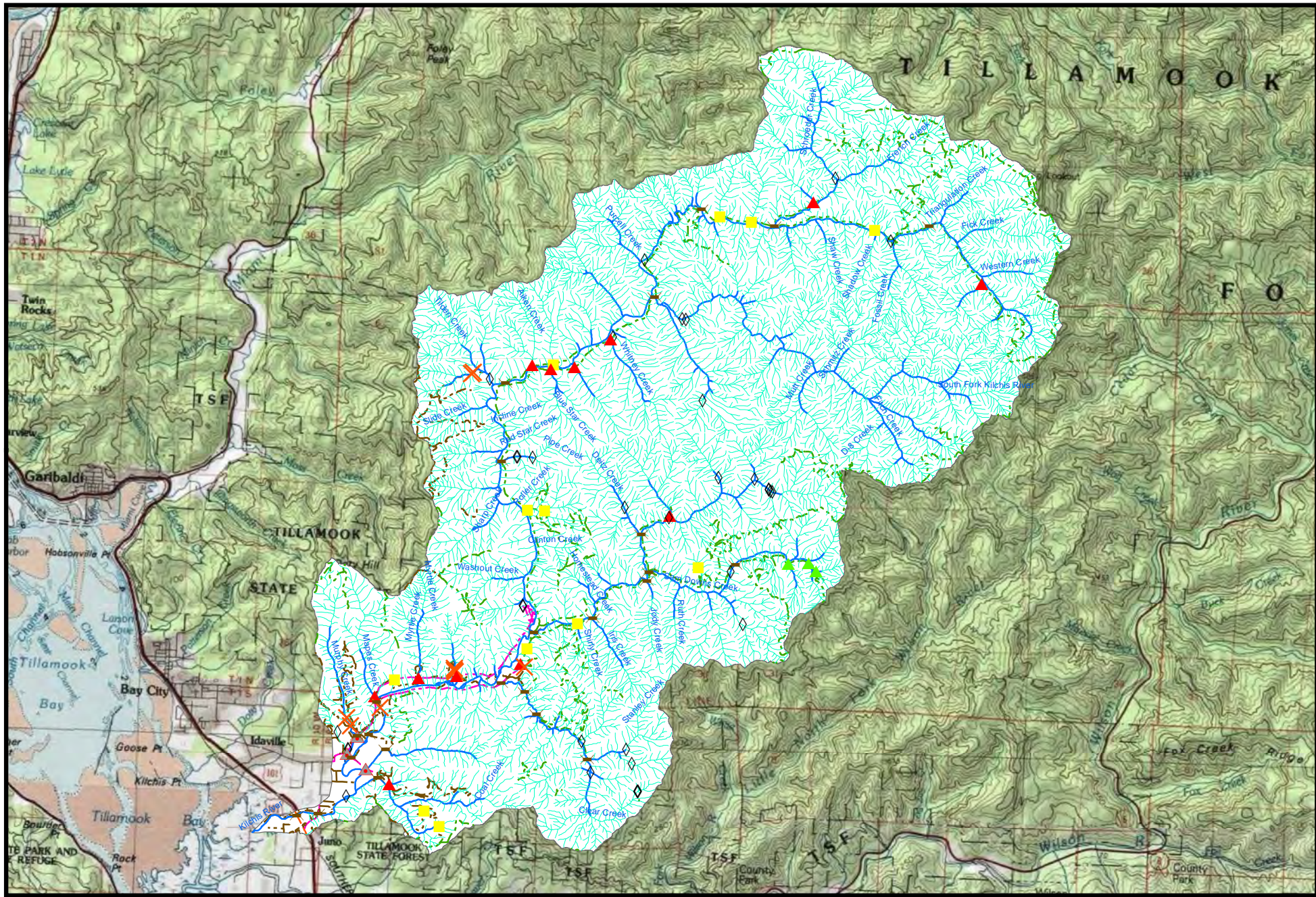

**Kilchis River Basin
Culverts**





Kilchis Basin Crossings

Kilchis River Basin Clusters

Cluster	Culvert Numbers	Priority	Stream	Upstream Habitat
Vaughn Creek/ Hathaway Slough	658	L	Vaughn Creek	1.7
	629	H	Vaughn Creek	
	621	H	Vaughn Creek	
	620	H	Vaughn Creek	
	608	H	Vaughn Creek	
	673	L	Hathaway Slough	
Coal Creek/Murphy Creek Area	674	M	Coal Creek	4.0
	663	H	Unnamed tributary	
	649	H	Murphy Creek	
	640	H	Murphy Creek	
Mape, Myrtle, Thomas, Tank	603	H	Mapes Creek	2.3
	591	H	Myrtle Creek	
	589	L	Thomas Creek	
	573	L	Tank Creek	
Little South Fork Kilchis	472	M	Unnamed tributary	0.6
Sam Downs Creek	514	N/A	Unnamed tributary	0.8
	505	N/A	Sam Downs Creek	
	510	N/A	Sam Downs Creek	
Tilden Bluffs Road Area	292	L	Aiken Creek	2.2
	327	M	Blue Star Creek	
	329	L	White Star Creek	
	262	H	Whitney Creek	
North Fork Kilchis Area	120	L	Unnamed tributary	0.8
	181	M	Unnamed tributary	



VAUGHN CREEK AND HATHAWAY SLOUGH CULVERTS

LOCATION INFO				Culvert #	658	Priority	L
Watershed		Kilchis River					
Stream Name		Vaughn Creek					
Township-Range-Section-1/4		T1S, R10W, Sec. 1, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		433158/5039725					
Road Name		Alderbrook Loop Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		G. Prince and Laviolette Holdings, LLC.					
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)		3.2			
Material	Concrete	Upstream Gradient (%)		Unable to measure			
Length (ft)	35	Bankfull Width (ft)		6.0			
Width (in)	100	Bankfull:Culvert Ratio		1.4			
Height (in)	52						
Outlet Perch (ft)	0.2						
Slope (%)	0.5						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		1.4	Habitat Points		3		
Habitat Quality		Poor(+)	Habitat Quality Points		1		
Fish Species		Anad.	Fish Points		3		
Barrier Type		Green	Barrier Points		1		
			Prioritization Total Points		8		

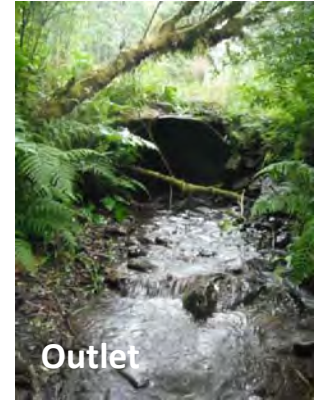
Notes: Upstream of this crossing Vaughn Creek passes through a golf course. Riparian and upland habitats are low-quality for fish and wildlife.

LOCATION INFO				Culvert #	629	Priority	H
Watershed		Kilchis River					
Stream Name		Vaughn Creek					
Township-Range-Section-1/4		T1S, R10W, Sec. 1, SW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		433319/5040431					
Road Name		Doughty Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		R. Rasmussen and R. Carver					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)		8.7(7.4)			
Material	Concrete	Upstream Gradient (%)		1.0			
Length (ft)	35(31)	Bankfull Width (ft)		8.1			
Width (in)	29(29)	Bankfull:Culvert Ratio		0.6*			
Height (in)	29(29)						
Outlet Perch (ft)	0.1(0.2)						
Slope (%)	1.9(1.4)						
Rustline Height (in)	N/A						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)		0.9	Habitat Points		2		
Habitat Quality		Fair(-)	Habitat Quality Points		2		
Fish Species		Anad.	Fish Points		3		
Barrier Type		Red	Barrier Points		3		
			Prioritization Total Points		10		



Notes: Twin concrete pipes at this crossing. * bankful:culvert ratio based on combined pipe diameters. Water backed up at inlet and flowed over Doughty Road during most of the winter of 2011-12. This adversely affects road condition and water quality.



LOCATION INFO				Culvert #	621	Priority	H
Watershed		Kilchis River					
Stream Name		Vaughn Creek					
Township-Range-Section-1/4		T1S, R10W, Sec. 36, SW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		433393/5040779					
Road Name		Private driveway off Pike Road					
Road/Culvert Owner		J. Bender					
Adjacent Landowners		J. Bender, M. & L. McClaskey, and R. & C. Watt					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe arch	Inlet Gradient (%)	5.0				
Material	Corrugated metal	Upstream Gradient (%)	2.0				
Length (ft)	23	Bankfull Width (ft)	7.4				
Width (in)	74	Bankfull:Culvert Ratio	0.9				
Height (in)	52						
Outlet Perch (ft)	0.4						
Slope (%)	1.7						
Rustline Height (in)	3						
Overall Condition	Fair						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	10				
<p>Notes: Pipe 628 is between this pipe and 629. We did not have landowner permission to survey pipe 628, but it was likely a barrier culvert as well based on remote observation. The degree to which 628 may impede passage was unknown at the time of this report.</p>							

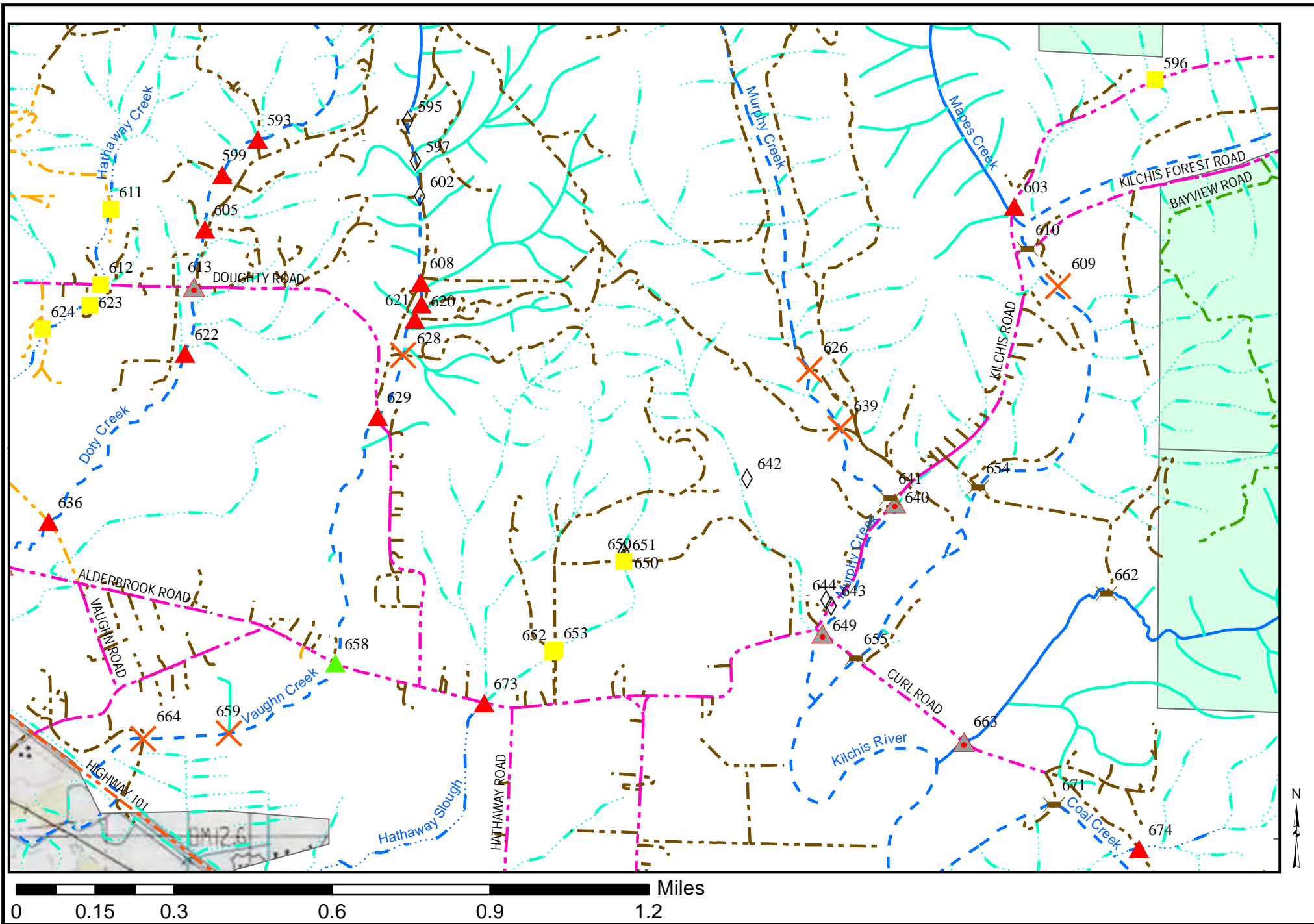


LOCATION INFO				Culvert #	620	Priority	H
Watershed		Kilchis River					
Stream Name		Vaughn Creek					
Township-Range-Section-1/4		T1S, R10W, Sec. 36, SW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		433396/5040789					
Road Name		Private driveway off Pike Road					
Road/Culvert Owner		R. & C. Watt					
Adjacent Landowners		R. & C. Watt					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	11.5				
Material	Corrugated metal	Upstream Gradient (%)	2.2				
Length (ft)	30	Bankfull Width (ft)	6.3				
Width (in)	48	Bankfull:Culvert Ratio	0.6				
Height (in)	48						
Outlet Perch (ft)	0.7						
Slope (%)	1.9						
Rustline Height (in)	19						
Overall Condition	Fair						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	10				
<p>Notes:</p>							





LOCATION INFO				Culvert #	608	Priority	H
Watershed				Kilchis River			
Stream Name				Vaughn Creek			
Township-Range-Section-1/4				T1S, R10W, Sec. 36, SW¼ of SE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				433409/5040853			
Road Name				Pike Road			
Road/Culvert Owner				Private Drive			
Adjacent Landowners				R. & C. Watt			
CULVERT INFO		CHANNEL INFO		 			
Shape	Circular	Inlet Gradient (%)	12.7				
Material	Concrete	Upstream Gradient (%)	7.2				
Length (ft)	34	Bankfull Width (ft)	7.4				
Width (in)	48	Bankfull:Culvert Ratio	0.5				
Height (in)	48						
Outlet Perch (ft)	0.8						
Slope (%)	5.9						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.6	Habitat Points	2				
Habitat Quality	Fair(-)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	10				
Notes:							



LOCATION INFO				Culvert #	673	Priority	L
Watershed				Kilchis River			
Stream Name				Hathaway Slough			
Township-Range-Section-1/4				T1S, R10W, Sec. 12, NW¼ of NE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				433617/5039600			
Road Name				Alderbrook Road			
Road/Culvert Owner				Tillamook County			
Adjacent Landowners				T. Gienger, S. & E. Vermilyea, and J. Smith			
CULVERT INFO		CHANNEL INFO		 			
Shape	Circular	Inlet Gradient (%)	3.5				
Material	Concrete	Upstream Gradient (%)	<1.0				
Length (ft)	38	Bankfull Width (ft)	6.1				
Width (in)	24	Bankfull:Culvert Ratio	0.3				
Height (in)	24						
Outlet Perch (ft)	0.1						
Slope (%)	1.0						
Rustline Height (in)	N/A						
Overall Condition	Poor						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: Upstream listed as nonfish. However, although low-quality habitat, technical reviewers suggested that a short segment of the upstream west channel remains suitable for fish use if access issues are addressed.							







Vaughn Creek and Hathaway Slough Culverts, Kilchis River Basin

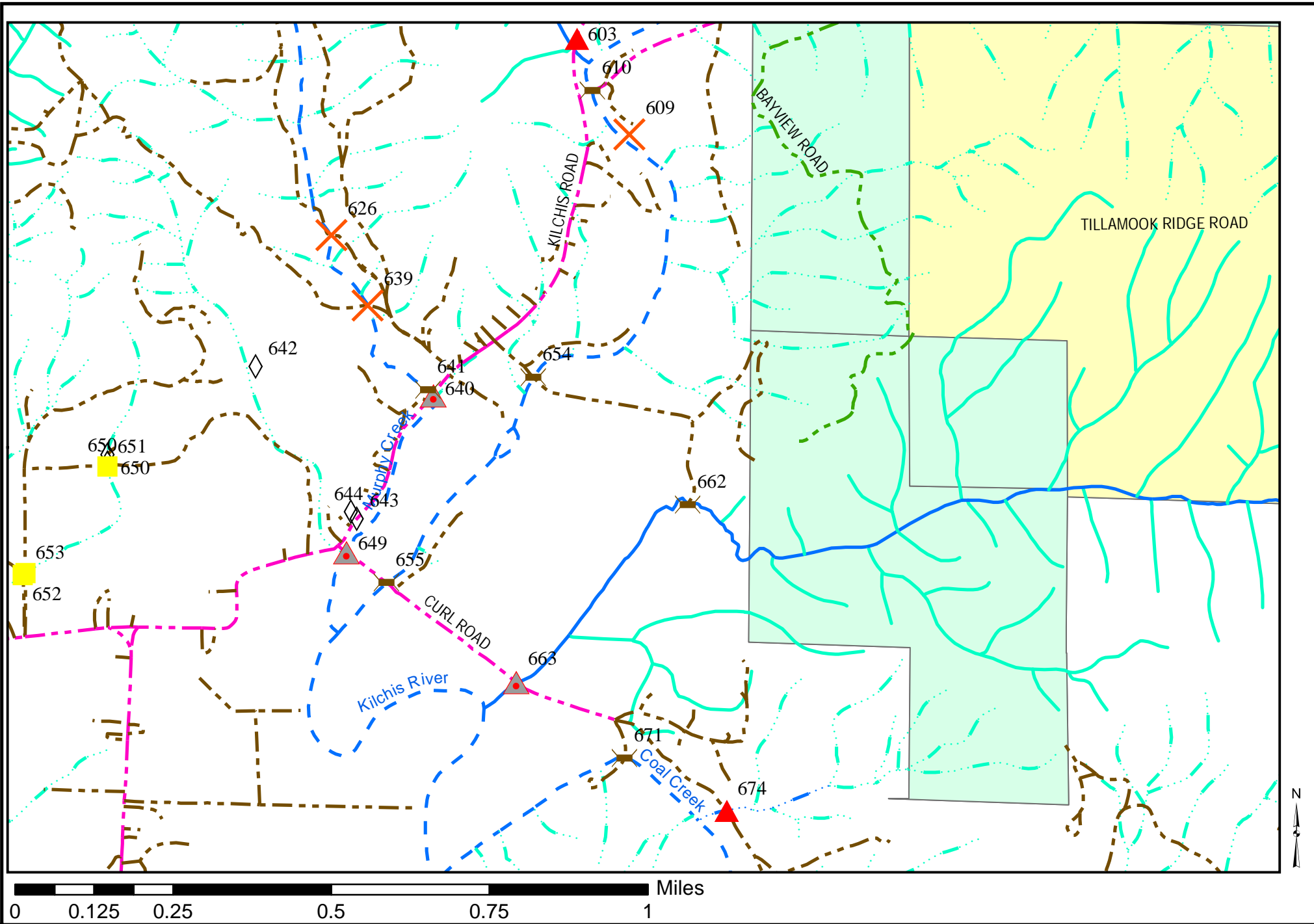
COAL CREEK AND MURPHY CREEK AREA CULVERTS

LOCATION INFO				Culvert #	674	Priority	M
Watershed		Kilchis River		 <p align="center">Inlet</p>  <p align="center">Outlet</p>			
Stream Name		Unnamed tributary of Coal Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 8, NW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		435604/5039169					
Road Name		Private road off of Curl Road					
Road/Culvert Owner		R. & K. Downs					
Adjacent Landowners		R. & K. Downs					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	2.3				
Material	Corrugated metal	Upstream Gradient (%)	1.0				
Length (ft)	40	Bankfull Width (ft)	5.3				
Width (in)	30	Bankfull:Culvert Ratio	0.5				
Height (in)	30						
Outlet Perch (ft)	4.5						
Slope (%)	5.5						
Rustline Height (in)	24						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.2	Habitat Points	1				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes:							

LOCATION INFO				Culvert #	663	Priority	H
Watershed		Kilchis River		 <p align="center">Inlet</p>  <p align="center">Outlet</p>			
Stream Name		Unnamed tributary of Kilchis River					
Township-Range-Section-1/4		T1S, R9W, Sec. 7, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		435082/5039482					
Road Name		Curl Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		C. Bosch and G. & S. Petty					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	3.1				
Material	Concrete	Upstream Gradient (%)	3.1				
Length (ft)	38	Bankfull Width (ft)	4.6				
Width (in)	48	Bankfull:Culvert Ratio	0.9				
Height (in)	48						
Outlet Perch (ft)	None	Two pipes at this location. One is an overflow pipe that conveys water only during high water events.					
Slope (%)	1.4						
Rustline Height (in)	34						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.8	Habitat Points	4				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Gray	Barrier Points	2				
		Prioritization Total Points	11				
Notes: Barrel of concrete pipe is approximately 40 percent full of stream bed substrate.							



LOCATION INFO				Culvert #	649	Priority	H
Watershed				Kilchis River			
Stream Name				Murphy Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 6, SE¼ of SW¼			
UTM Easting/Northing (Zone 10, NAD 1983)				434654/5039811			
Road Name				Curl Road			
Road/Culvert Owner				Tillamook County			
Adjacent Landowners				G. & S. Petty			
CULVERT INFO		CHANNEL INFO		 <p style="text-align: right; font-weight: bold;">Inlet</p>  <p style="text-align: right; font-weight: bold;">Outlet</p>			
Shape	Circular	Inlet Gradient (%)	4.75				
Material	Concrete	Upstream Gradient (%)	0.2				
Length (ft)	40	Bankfull Width (ft)	6.0				
Width (in)	48	Bankfull:Culvert Ratio	0.7				
Height (in)	48						
Outlet Perch (ft)	None						
Slope (%)	-0.4						
Rustline Height (in)	n/a						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.0	Habitat Points	4				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Gray	Barrier Points	2				
		Prioritization Total Points	11				
Notes:							



LOCATION INFO				Culvert #	640	Priority	H
Watershed				Kilchis River			
Stream Name				Murphy Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 6, SE¼ of NW¼			
UTM Easting/Northing (Zone 10, NAD 1983)				434871/5040218			
Road Name				Kilchis River Road			
Road/Culvert Owner				Tillamook County			
Adjacent Landowners				E. & K. Gomes			
CULVERT INFO		CHANNEL INFO		 <p style="text-align: right; font-weight: bold;">Inlet</p>  <p style="text-align: right; font-weight: bold;">Outlet</p>			
Shape	Circular	Inlet Gradient (%)	3.7				
Material	Corrugated metal	Upstream Gradient (%)	2.1				
Length (ft)	40	Bankfull Width (ft)	6.0				
Width (in)	66	Bankfull:Culvert Ratio	0.9				
Height (in)	66						
Outlet Perch (ft)	None						
Slope (%)	1.6						
Rustline Height (in)	n/a						
Overall Condition	Fair						
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 Type	Gray	Barrier Points	2				
		Prioritization Total Points	11				
Notes: Barrel of pipe is approximately 50 percent filled with stream bed substrate. Crossing 641 immediately upstream of this crossing, is a livestock bridge.							



Murphy Creek and Coal Creek Area Culverts, Kilchis River Basin

MAPES, MYRTLE AND THOMAS CREEKS CULVERTS

LOCATION INFO				Culvert #	603	Priority	H
Watershed		Kilchis River					
Stream Name		Mapes Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 6, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		435239/5041132					
Road Name		Kilchis River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		S. Schafer					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	13.4				
Material	Corrugated metal	Upstream Gradient (%)	1.2				
Length (ft)	50	Bankfull Width (ft)	15.4				
Width (in)	54	Bankfull:Culvert Ratio	0.3				
Height (in)	54						
Outlet Perch (ft)	Outlet submerged						
Slope (%)	2.5						
Rustline Height (in)	Entire pipe rusted						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	10				
Notes: Barrel of pipe is approximately 60 percent filled with stream bed substrate.							

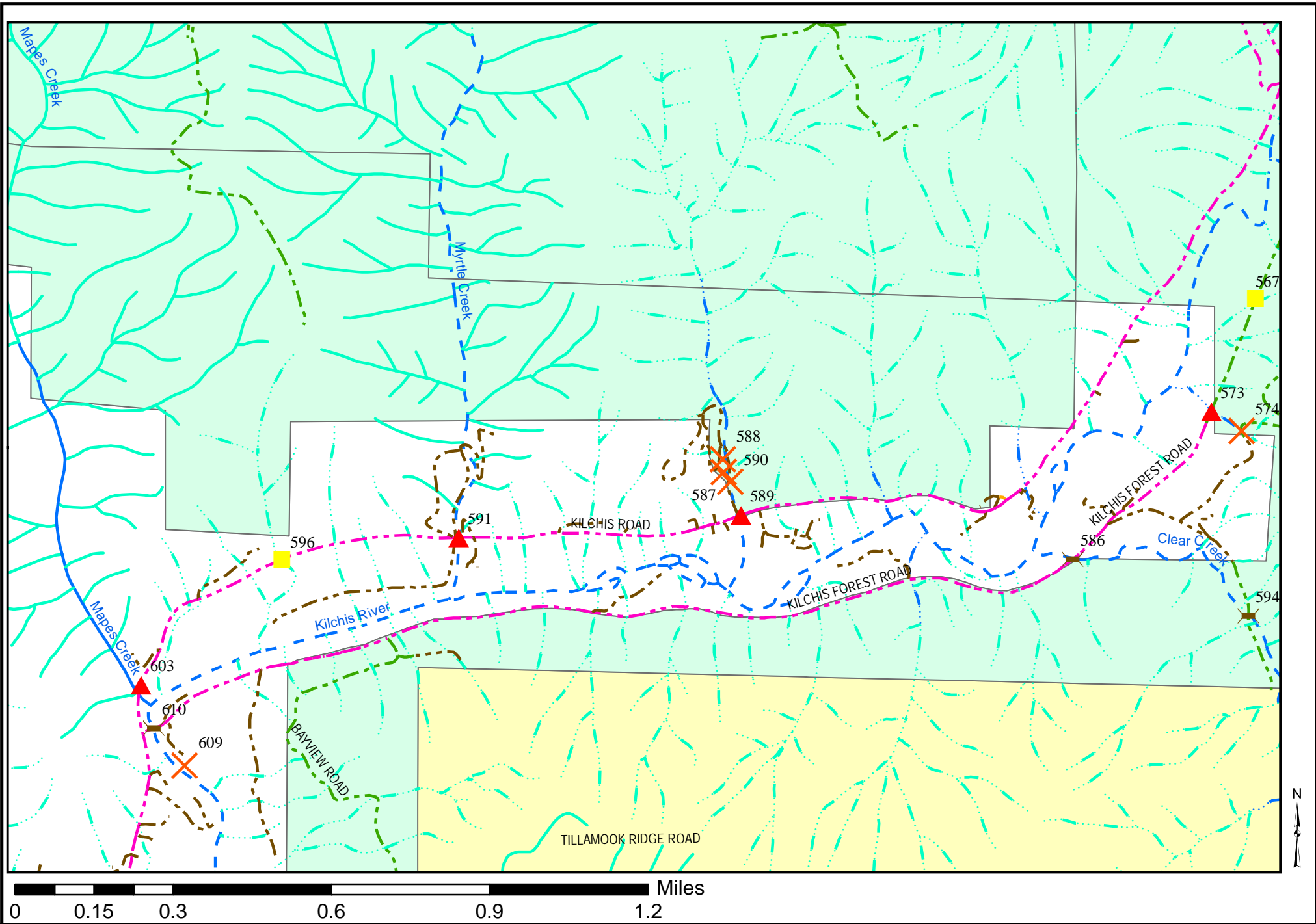
LOCATION INFO				Culvert #	591	Priority	H
Watershed		Kilchis River					
Stream Name		Myrtle Creek					
Township-Range-Section-1/4		T1N, R9W, Sec. 32, SE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		436198/5041562					
Road Name		Kilchis River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		P. & M. Zweifel, Christensen Rock LLC					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	13.3				
Material	Corrugated metal	Upstream Gradient (%)	3.5				
Length (ft)	41	Bankfull Width (ft)	12.8				
Width (in)	66	Bankfull:Culvert Ratio	0.4				
Height (in)	66						
Outlet Perch (ft)	3.7						
Slope (%)	3.3						
Rustline Height (in)	Entire pipe rusted						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.0	Habitat Points	2				
Habitat Quality	Fair(-)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	10				
Notes:							

LOCATION INFO				Culvert #	589	Priority	L
Watershed		Kilchis River					
Stream Name		Thomas Creek					
Township-Range-Section-1/4		T1N, R9W, Sec. 32, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		437077/5041645					
Road Name		Kilchis River Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		R. & S. Deloe, A. Bell					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	24.0				
Material	Corrugated metal	Upstream Gradient (%)	8.1				
Length (ft)	43	Bankfull Width (ft)	12.6				
Width (in)	48	Bankfull:Culvert Ratio	0.6*				
Height (in)	48	Two pipes side-by-side at this crossing. This section includes information on the left pipe in inlet photo. This pipe appears to carry most flows through this crossing. Both pipes are 4 ft. circular CMP and both are perched.					
Outlet Perch (ft)	3.4						
Slope (%)	1.8						
Rustline Height (in)	Entire pipe rusted						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.5	Habitat Points	1				
Habitat Quality	Poor(+)	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes: *used combined width of both pipes for this calculation. Right pipe appears to only flow periodically due to thalweg alignment and rocks blocking inlet.							




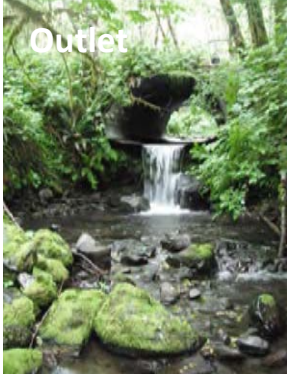
LOCATION INFO				Culvert #	573	Priority	L
Watershed		Kilchis River					
Stream Name		Tank Creek					
Township-Range-Section-1/4		T1N, R9W, Sec. 33, SW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		438509/5041958					
Road Name		Kilchis Forest Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Tillamook Co. and T. Budelman					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	11.1				
Material	Concrete	Upstream Gradient (%)	12.3				
Length (ft)	69	Bankfull Width (ft)	7.3				
Width (in)	30	Bankfull:Culvert Ratio	0.3				
Height (in)	30						
Outlet Perch (ft)	3.1						
Slope (%)	5.6						
Rustline Height (in)	none						
Overall Condition	Fair						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							







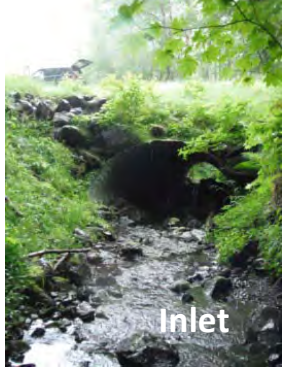

Mapes, Myrtle, Thomas and Tank creeks Culverts, Kilchis River Basin



LITTLE SOUTH FORK KILCHIS CULVERT

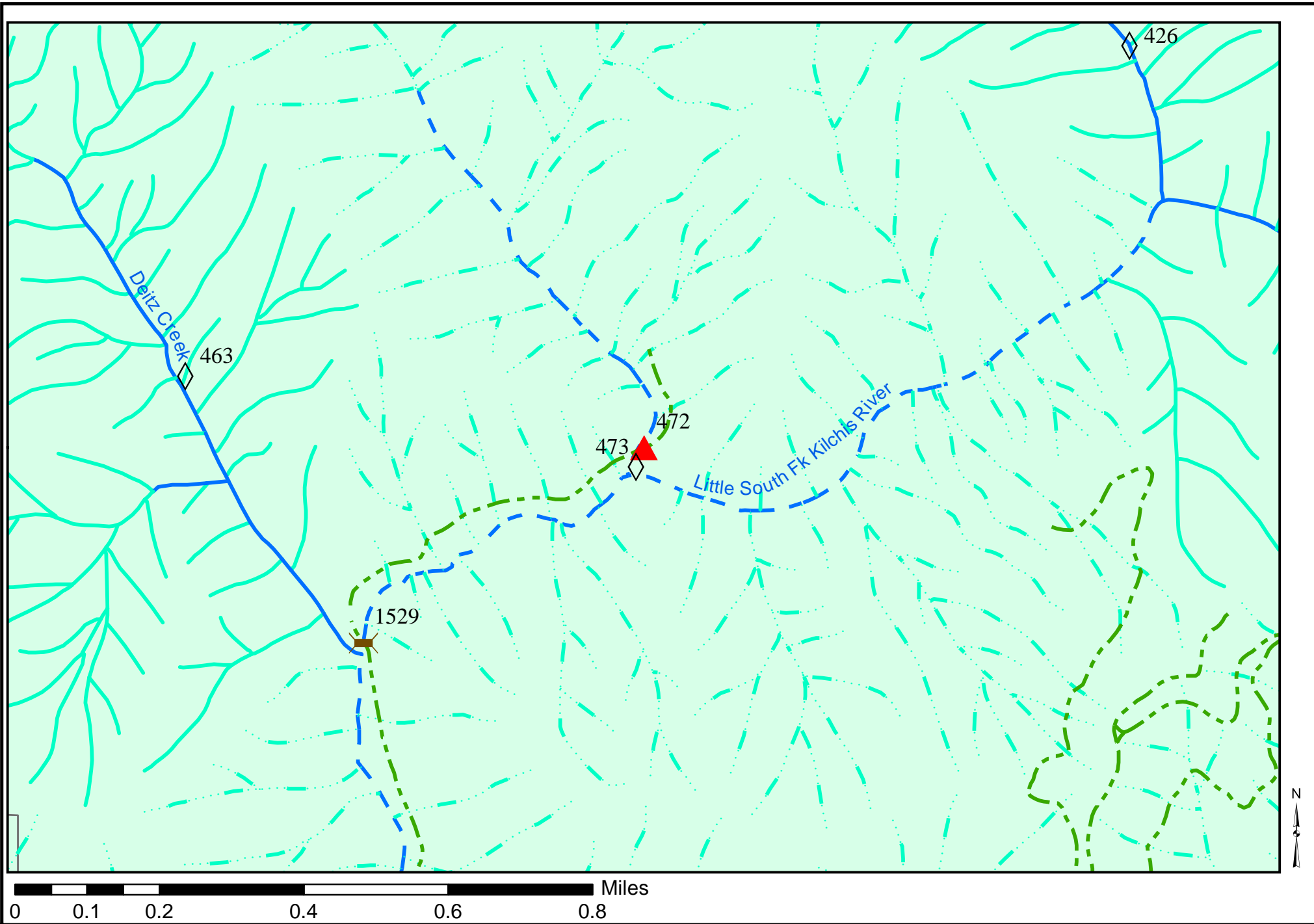
LOCATION INFO				Culvert #	472	Priority	M
Watershed		Kilchis River		 			
Stream Name		Unnamed trib. to Little S. Fork Kilchis R. (Trib. D)					
Township-Range-Section-1/4		T1N, R9W, Sec. 14, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		441782/5045388					
Road Name		Unnamed Forest Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe Arch	Inlet Gradient (%)	13.8				
Material	Corrugated metal	Upstream Gradient (%)	13.5				
Length (ft)	60	Bankfull Width (ft)	12.6				
Width (in)	156	Bankfull:Culvert Ratio	1.0				
Height (in)	108						
Outlet Perch (ft)	7.1						
Slope (%)	7.1						
Rustline Height (in)	18						
Overall Condition	Fair						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes:							

SAM DOWNS CREEK CULVERTS

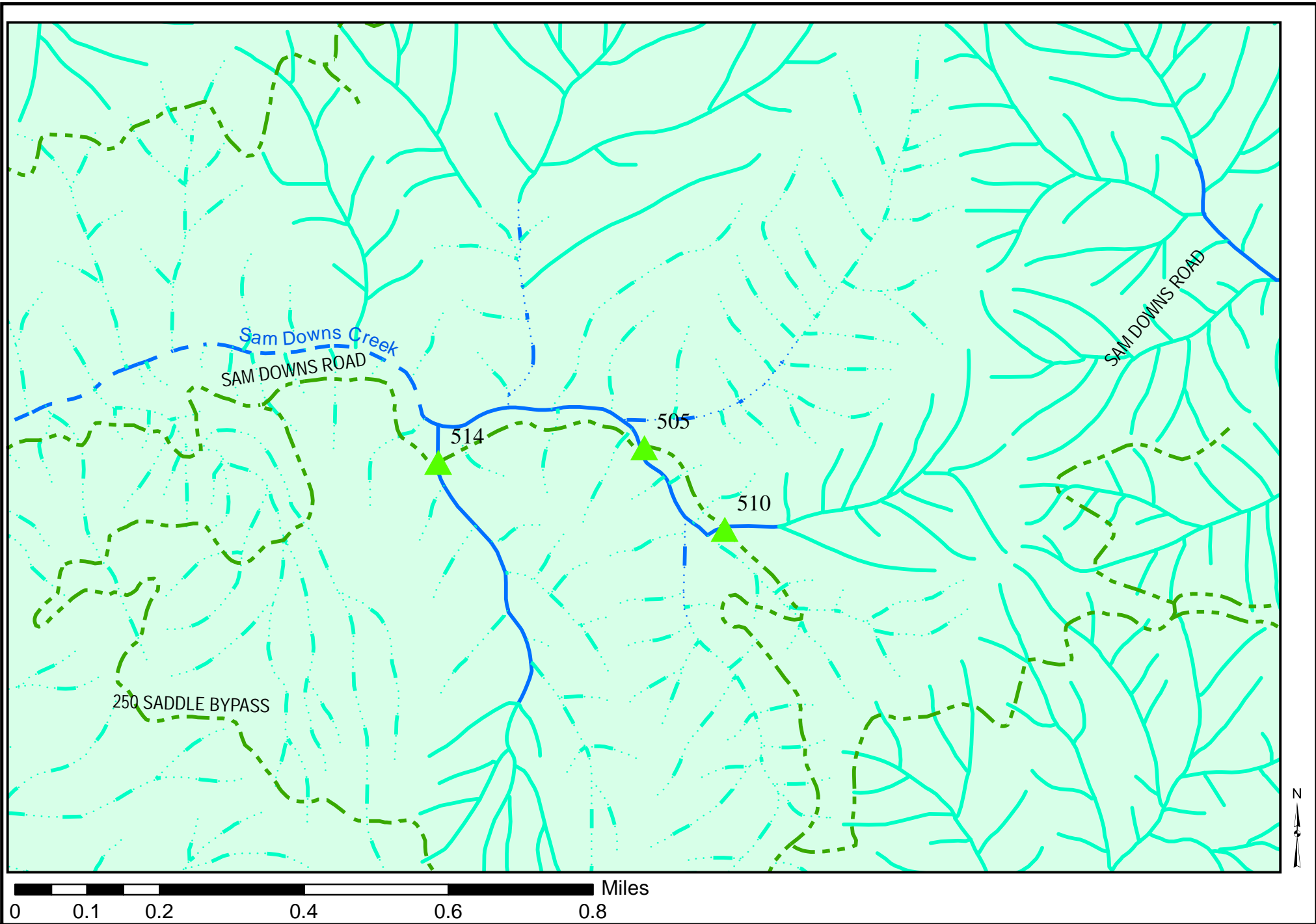
LOCATION INFO				Culvert #	514	Priority	NA
Watershed		Kilchis River		 			
Stream Name		Unnamed tributary to Sam Downs Creek					
Township-Range-Section-1/4		T1N, R8W, Sec. 19, SW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		444479/5044396					
Road Name		Sam Downs Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe Arch	Inlet Gradient (%)	4.5				
Material	Corrugated metal	Upstream Gradient (%)	3.6				
Length (ft)	95	Bankfull Width (ft)	9.6				
Width (in)	144	Bankfull:Culvert Ratio	1.25				
Height (in)	90						
Outlet Perch (ft)	None						
Slope (%)	6.7						
Rustline Height (in)	N/A						
Overall Condition	Good						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.4	Habitat Points	1				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Green	Barrier Points	1				
		Prioritization Total Points	7				
Notes:							

LOCATION INFO				Culvert #	505	Priority	NA		
Watershed		Kilchis River							
Stream Name		Sam Downs Creek							
Township-Range-Section-1/4		T1N, R8W, Sec. 19, SE¼ of SE¼							
UTM Easting/Northing (Zone 10, NAD 1983)		444916/5044416							
Road Name		Sam Downs Road							
Road/Culvert Owner		Oregon Department of Forestry							
Adjacent Landowners		Oregon Department of Forestry							
CULVERT INFO		CHANNEL INFO				 			
Shape	Pipe Arch	Inlet Gradient (%)	11.4						
Material	Corrugated metal	Upstream Gradient (%)	4.5						
Length (ft)	82	Bankfull Width (ft)	10.3						
Width (in)	144	Bankfull:Culvert Ratio	1.5						
Height (in)	90								
Outlet Perch (ft)	None								
Slope (%)	4.9								
Rustline Height (in)	N/A								
Overall Condition	Fair								
PRIORITIZATION ANALYSIS									
Upstream Habitat Length (mi)	0.4	Habitat Points	1						
Habitat Quality	Fair	Habitat Quality Points	2						
Fish Species	Anad.	Fish Points	3						
Barrier Type	Green	Barrier Points	1						
		Prioritization Total Points	7						
Notes:									

LOCATION INFO				Culvert #	510	Priority	NA		
Watershed		Kilchis River							
Stream Name		Sam Downs Creek							
Township-Range-Section-1/4		T1N, R8W, Sec. 20, SW¼ of SW¼							
UTM Easting/Northing (Zone 10, NAD 1983)		445122/5044237							
Road Name		Sam Downs Road							
Road/Culvert Owner		Oregon Department of Forestry							
Adjacent Landowners		Oregon Department of Forestry							
CULVERT INFO		CHANNEL INFO				 			
Shape	Pipe Arch	Inlet Gradient (%)	2.0						
Material	Corrugated metal	Upstream Gradient (%)	10.2						
Length (ft)	52	Bankfull Width (ft)	4.0						
Width (in)	96	Bankfull:Culvert Ratio	2.0						
Height (in)	72								
Outlet Perch (ft)	None								
Slope (%)	6.7								
Rustline Height (in)	6								
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 Type	Green	Barrier Points	1						
		Prioritization Total Points	6						
Notes:									







Little South Fork Kilchis River Area Culverts, Kilchis River Basin



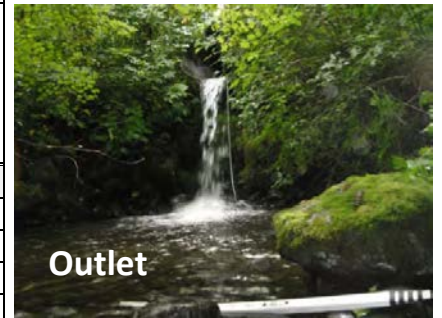
Sam Downs Road Culverts, Kilchis River Basin

TILDEN BLUFFS ROAD AREA CULVERTS

LOCATION INFO				Culvert #	292	Priority	L
Watershed				Kilchis River			
Stream Name				Aiken Creek			
Township-Range-Section-1/4				T1N, R9W, Sec. 16, SW¼ of SE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				438574/5048715			
Road Name				Tilden Bluffs Road			
Road/Culvert Owner				Oregon Department of Forestry			
Adjacent Landowners				Oregon Department of Forestry			
CULVERT INFO		CHANNEL INFO		 <p>Inlet</p>  <p>Outlet</p>			
Shape	Circular	Inlet Gradient (%)	18.2				
Material	Corrugated metal	Upstream Gradient (%)	16.2				
Length (ft)	54	Bankfull Width (ft)	9.7				
Width (in)	66	Bankfull:Culvert Ratio	0.6				
Height (in)	66						
Outlet Perch (ft)	6.2						
Slope (%)	1.9						
Rustline Height (in)	42						
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: Although designated a nonfish stream, technical reviewers felt that a short reach of this stream would be suitable for fish use if passage were not prevented by this culvert.							

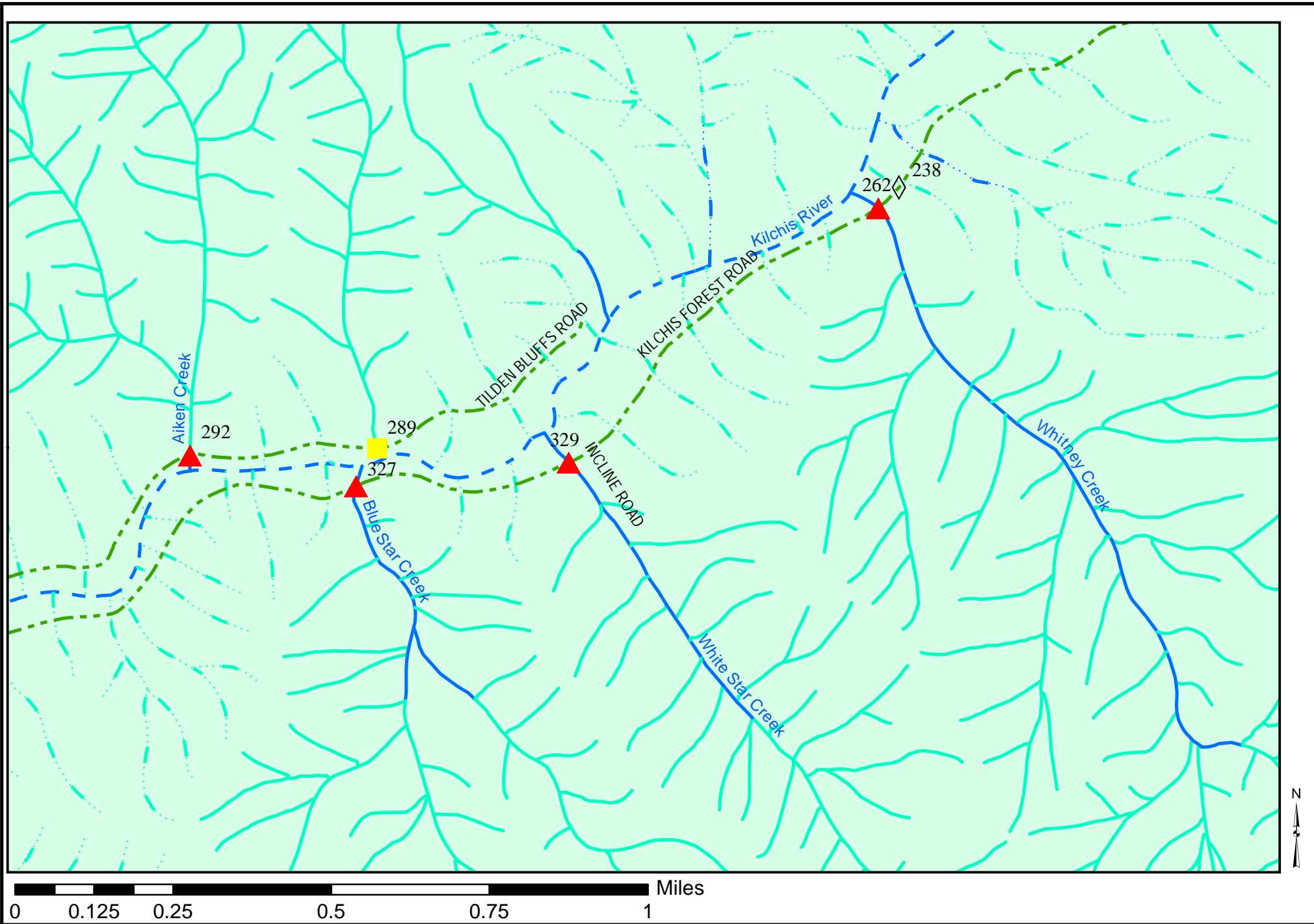
LOCATION INFO				Culvert #	327	Priority	M
Watershed				Kilchis River			
Stream Name				Blue Star Creek			
Township-Range-Section-1/4				T1N, R9W, Sec. 4, SE¼ of SE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				438990/5048635			
Road Name				Kilchis Forest Road			
Road/Culvert Owner				Oregon Department of Forestry			
Adjacent Landowners				Oregon Department of Forestry			
CULVERT INFO		CHANNEL INFO		 <p>Inlet</p>  <p>Outlet</p>			
Shape	Circular	Inlet Gradient (%)	20.2				
Material	Corrugated metal	Upstream Gradient (%)	13.3				
Length (ft)	100	Bankfull Width (ft)	10.3				
Width (in)	60	Bankfull:Culvert Ratio	0.5				
Height (in)	60						
Outlet Perch (ft)	2.5						
Slope (%)	4.0						
Rustline Height (in)	42						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.5	Habitat Points	1				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes:							

LOCATION INFO				Culvert #	329	Priority	L
Watershed		Kilchis River					
Stream Name		White Star Creek					
Township-Range-Section-1/4		T1N, R9W, Sec. 3, SE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439526/5048697					
Road Name		Kilchis Forest Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	15.1				
Material	Corrugated metal	Upstream Gradient (%)	3.1				
Length (ft)	65	Bankfull Width (ft)	10.0				
Width (in)	66	Bankfull:Culvert Ratio	0.6				
Height (in)	66						
Outlet Perch (ft)	6.7						
Slope (%)	3.2						
Rustline Height (in)	30						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.5	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							




LOCATION INFO				Culvert #	262	Priority	H
Watershed		Kilchis River					
Stream Name		Whitney Creek					
Township-Range-Section-1/4		T1N, R9W, Sec. 4, SE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		440298/5049327					
Road Name		Kilchis Forest Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	12.0				
Material	Corrugated metal	Upstream Gradient (%)	8.0				
Length (ft)	100	Bankfull Width (ft)	13.4				
Width (in)	84	Bankfull:Culvert Ratio	0.5				
Height (in)	96	Outlet cascades onto bedrock.					
Outlet Perch (ft)	4.5						
Slope (%)	7.0						
Rustline Height (in)	36						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.1	Habitat Points	3				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	11				
Notes: Water entering through holes in side of pipe. 4-6" holes in invert. Water flows under and alongside pipe. This pipe appears to sit on bedrock and it is unclear whether an accessible crossing can be created without considerable earthwork. Closer inspection of this location is in order.							






Tilden Bluffs Road Area Culverts, Kilchis River Basin

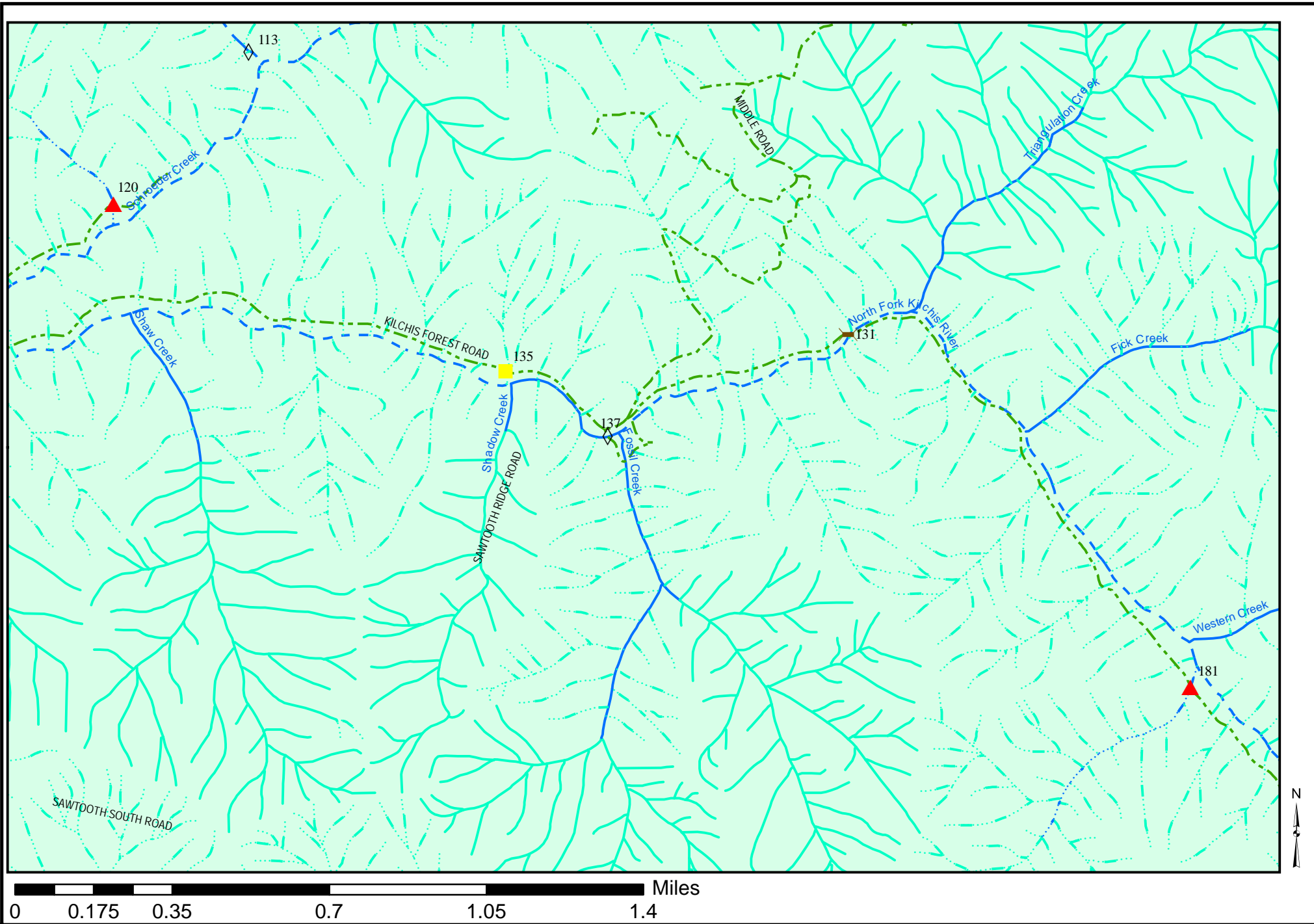
NORTH FORK KILCHIS AREA CULVERTS

LOCATION INFO				Culvert #	120	Priority	L
Watershed		Kilchis River					
Stream Name		Tributary of Schroeder Creek					
Township-Range-Section-1/4		T2N, R8W, Sec. 30, NW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		444731/5052521					
Road Name		Miami Divide Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	15.8				
Material	Corrugated Metal	Upstream Gradient (%)	6.9				
Length (ft)	46	Bankfull Width (ft)	4				
Width (in)	48	Bankfull:Culvert Ratio	1.0				
Height (in)	48						
Outlet Perch (ft)	9.8						
Slope (%)	6.8						
Rustline Height (in)	16						
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:							



LOCATION INFO				Culvert #	181	Priority	M
Watershed		Tillamook Bay					
Stream Name		Unnamed tributary of N. Fork Kilchis River					
Township-Range-Section-1/4		T2N, R8W, Sec. 34, SW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		448643/ 5050834					
Road Name		Kilchis Forest Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	23.5				
Material	Corrugated Metal	Upstream Gradient (%)	5.3				
Length (ft)	51	Bankfull Width (ft)	8.2				
Width (in)	66	Bankfull:Culvert Ratio	0.7				
Height (in)	66						
Outlet Perch (ft)	0.1						
Slope (%)	7.1						
Rustline Height (in)	18						
Overall Condition	Good						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.5	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:							





North Fork Kilchis River Area Culverts, Kilchis River Basin