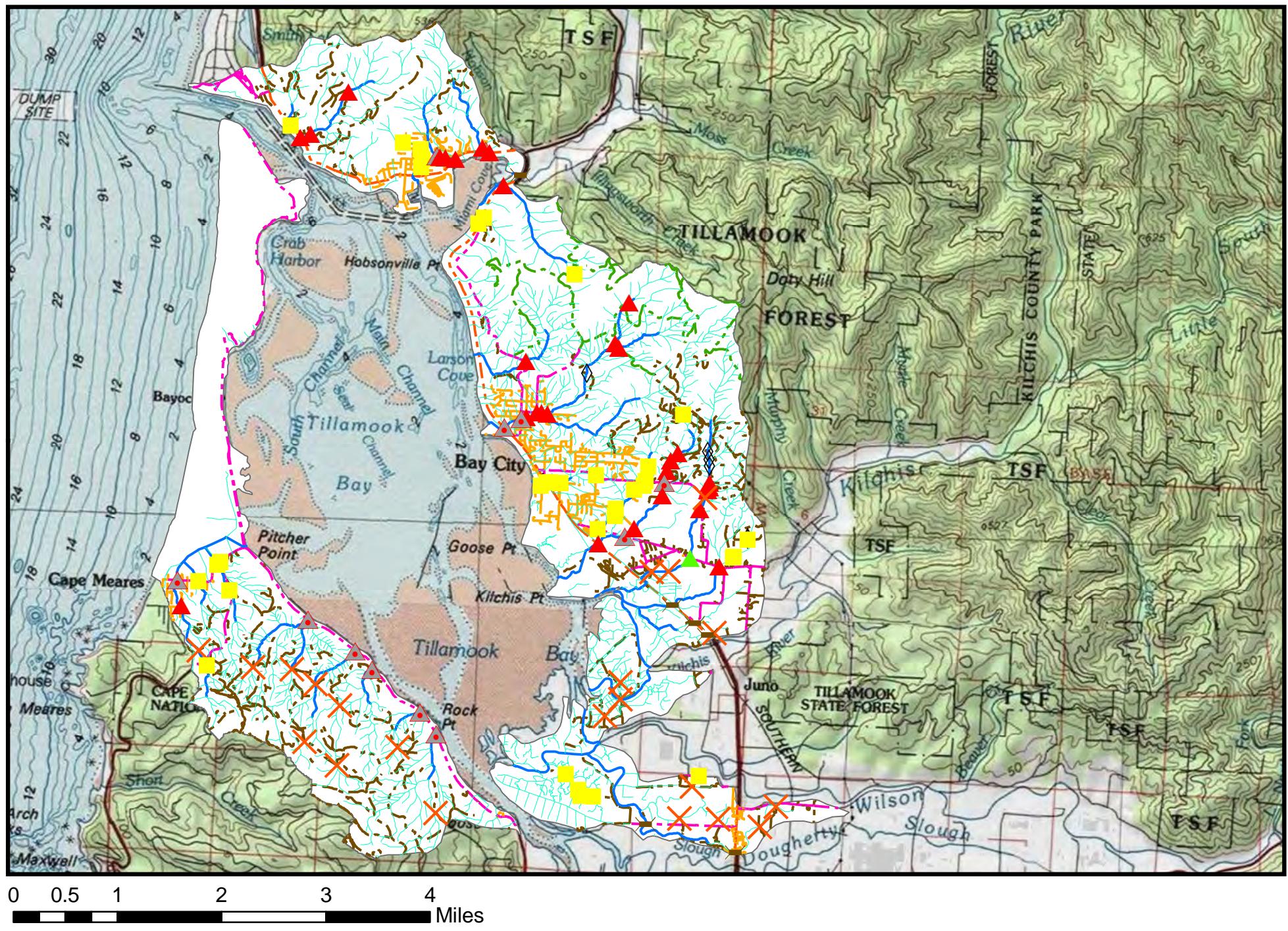


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**Tillamook Bay Tributaries  
Culverts**

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Tillamook Bay Tributaries Crossings

### Tillamook Bay Tributaries Clusters

Cluster	Culvert Numbers	Priority	Stream	Upstream Habitat
Smith Creek	441	H	Smith Creek	1.0
	440	H	Smith Creek	
	413	M	Smith Creek	
School Creek	453/454	M	School Creek	0.9
	5304	M	School Creek	
	452	L	School Creek	
Whitney Creek	5302	L	Whitney Creek	0.5
	5301	L	Whitney Creek	
	5303	L	Whitney Creek	
Electric Creek	476	L	Electric Creek	1.0
Larson Creek	559	M	Larson Creek	0.4
Patterson Creek	581	H	Patterson Creek	3.8
	579	H	Patterson Creek	
	578	H	Patterson Creek	
	575	H	Patterson Creek	
	5555	H	Patterson Creek	
	572	H	Patterson Creek	
	542	M	Patterson Creek	
	528	L	Patterson Creek	
	543	M	Unnamed tributary	
Doty Creek	647	H	Doty Creek	1.7
	637	H	Doty Creek	
	636	H	Doty Creek	
	622	H	Doty Creek	
	613	M	Doty Creek	
	605	M	Doty Creek	
	599	M	Doty Creek	
	593	M	Doty Creek	
Bayocean Road	778	L	Dick Creek	3.5
	757	L	Unnamed tributary	
	725	L	Unnamed tributary	
	702	M	Unnamed tributary	
	689	H	Flower Pot Creek	
Cape Meares Area	675	L	Coleman Creek	1.0
	686	M	Coleman Creek	

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## **North Tillamook Bay Tributaries Culverts**

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## SMITH CREEK CULVERTS

LOCATION INFO		Culvert #	441	Priority		
<b>Watershed</b>		Tillamook Bay				
<b>Stream Name</b>		Smith Creek				
<b>Township-Range-Section-1/4</b>		T1N, R10W, Sec. 20, NW $\frac{1}{4}$ of NE $\frac{1}{4}$				
<b>UTM Easting/Northing</b> (Zone 10, NAD 1983)		426950/5046015				
<b>Road Name</b>		Highway 101				
<b>Road/Culvert Owner</b>		Oregon Department of Transportation				
<b>Adjacent Landowners</b>		Compass Rose Properties				
CULVERT INFO		CHANNEL INFO				
<b>Shape</b>	Box	<b>Inlet Gradient (%)</b>	8.1			
<b>Material</b>	Concrete	<b>Upstream Gradient (%)</b>	7.1			
<b>Length (ft)</b>	81	<b>Bankfull Width (ft)</b>	8.5			
<b>Width (in)</b>	48	<b>Bankfull:Culvert Ratio</b>	0.5			
<b>Height (in)</b>	48					
<b>Outlet Perch (ft)</b>	7.7					
<b>Slope (%)</b>	1.0					
<b>Rustline Height (in)</b>	N/A					
<b>Overall Condition</b>	Poor					
PRIORITIZATION ANALYSIS						
<b>Upstream Habitat Length (mi)</b>	1.0	<b>Habitat Points</b>	2			
<b>Habitat Quality</b>	Fair	<b>Habitat Quality Points</b>	2			
<b>Fish Species</b>	Anad.	<b>Fish Points</b>	3			
<b>Barrier Type</b>	Red	<b>Barrier Points</b>	3			
		<b>Prioritization Total Points</b>	10			
<b>Notes:</b> Stream flows cascade over rip-rap into Tillamook Bay. Fish can only access culvert during very high tide events.						

**Notes:** Stream flows cascade over rip-rap into Tillamook Bay. Fish can only access culvert during very high tide events.

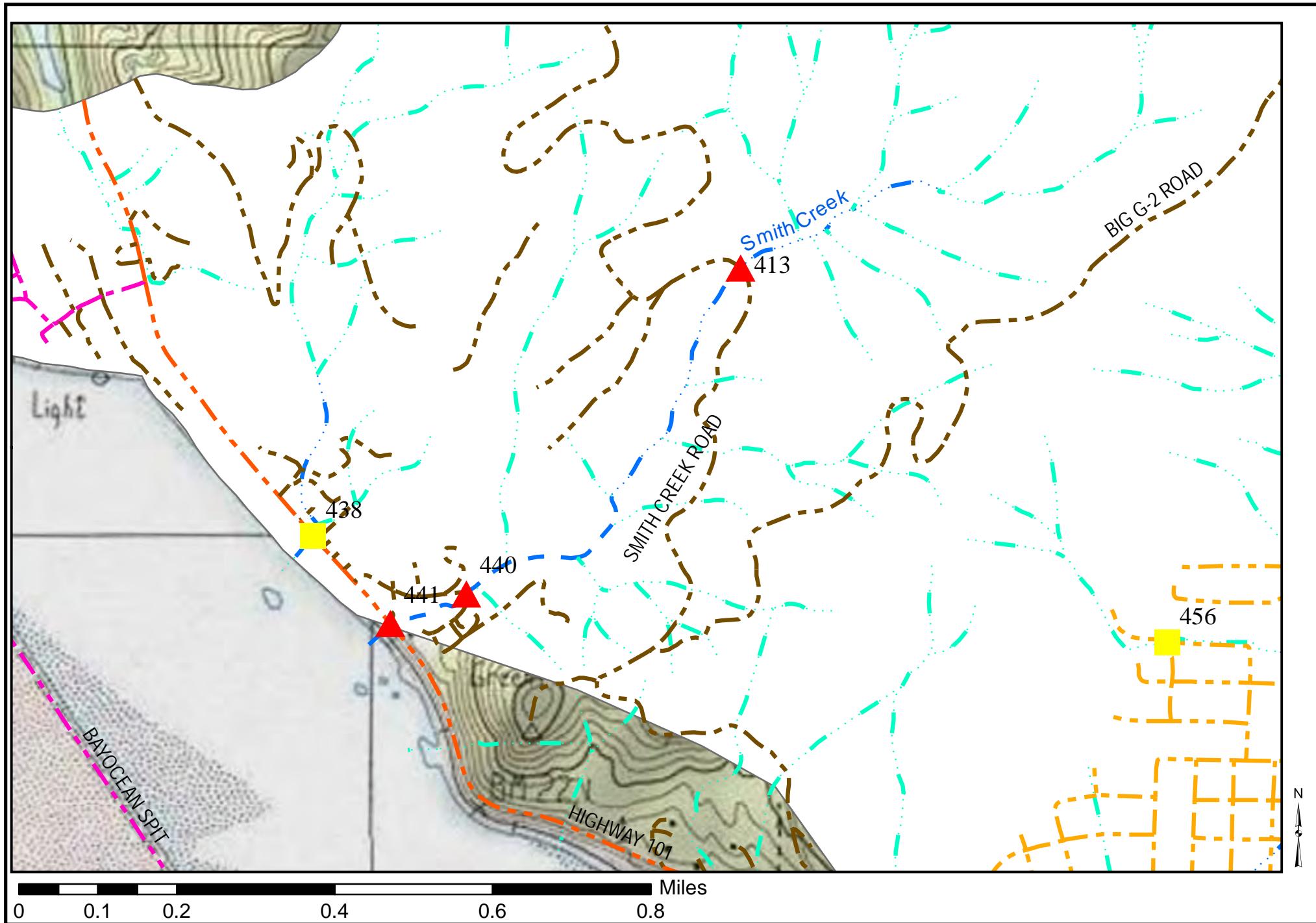
LOCATION INFO		Culvert #	440	Priority	H
Watershed	Tillamook Bay				
Stream Name	Smith Creek				
Township-Range-Section-1/4	T1N, R10W, Sec. 20, NW $\frac{1}{4}$ of NE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)	427105/5046081				
Road Name	Harbor View Drive				
Road/Culvert Owner	Private Drive				
Adjacent Landowners	B. & D. Hubbard, G. Howe				
CULVERT INFO		CHANNEL INFO			
Shape	Box	Inlet Gradient (%)	13.4		
Material	Concrete	Upstream Gradient (%)	5.6		
Length (ft)	52	Bankfull Width (ft)	8.8		
Width (in)	56	Bankfull:Culvert Ratio	0.5		
Height (in)	56				
Outlet Perch (ft)	1.9				
Slope (%)	11.9				
Rustline Height (in)	22				
Overall Condition	Critical				
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: Large holes in invert. pipe barrel is also deformed. Water running under pipe.					
 					

**Notes:** Large holes in invert, pipe barrel is also deformed. Water running under pipe.

LOCATION INFO				Culvert #	413	Priority	M
Watershed			Tillamook Bay				
Stream Name			Smith Creek				
Township-Range-Section-1/4			T1N, R10W, Sec. 20, NE $\frac{1}{4}$ of SE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)				427659/5046723			
Road Name			Barview Forest Road				
Road/Culvert Owner			Private Drive – ORM Timber				
Adjacent Landowners			ORM Timber				
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	12.0(N/A)				
Material	Corrugated metal	Upstream Gradient (%)	1.1				
Length (ft)	45(45)	Bankfull Width (ft)	10.1				
Width (in)	36(36)	Bankfull:Culvert Ratio	0.6*				
Height (in)	36(36)	Two pipes at this location. The outlet picture depicts pipe 2 in the foreground and the outfall of pipe 1 in the background (upper right corner of photo).					
Outlet Perch (ft)	7.5(0.8)						
Slope (%)	3.0(N/A)						
Rustline Height (in)	16(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 Type	Red	Barrier Points	3				
		Prioritization Total Points	9				



**Notes:** \*Bankfull:Culvert Ratio is based on both pipes. Both are 3 ft circular pipes and both were conveying flows during summer 2011 field visit. We were unable to locate the inlet for pipe 2 and it was unclear how flows were entering the pipe. Pipe 2 was perched 0.8 ft.



## SCHOOL CREEK CULVERTS

LOCATION INFO		Culvert #	453/454	Priority	?
Watershed	Tillamook Bay				
Stream Name	School Creek				
Township-Range-Section-1/4	T1N, R10W, Sec. 21, SE $\frac{1}{4}$ of NE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)	429205/5045779 (inlet)				
Road Name	Several within Garibaldi Town Limits				
Road/Culvert Owner	City of Garibaldi				
Adjacent Landowners	Numerous private properties in Garibaldi				
CULVERT INFO		CHANNEL INFO			
Shape	Circular	Inlet Gradient (%)	1.0		
Material (at inlet)	Corrugated Metal	Upstream Gradient (%)	1.0		
Length (ft)	~700*	Bankfull Width (ft)	5.0		
Width (in)	36	Bankfull:Culvert Ratio	0.6		
Height (in)	36	*Slope and length estimated from aerial photograph and GIS data. A board across stream creates an ~1ft step in stream ~5ft above inlet.			
Outlet Perch (ft)	None	*Slope and length estimated from aerial photograph and GIS data. A board across stream creates an ~1ft step in stream ~5ft above inlet.			
Slope (%)	~2.0*	*Slope and length estimated from aerial photograph and GIS data. A board across stream creates an ~1ft step in stream ~5ft above inlet.			
Rustline Height (in)	20	*Slope and length estimated from aerial photograph and GIS data. A board across stream creates an ~1ft step in stream ~5ft above inlet.			
Overall Condition	unknown	*Slope and length estimated from aerial photograph and GIS data. A board across stream creates an ~1ft step in stream ~5ft above inlet.			
PRIORITIZATION ANALYSIS					
Upstream Habitat Length (mi)	0.9	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		
<b>Notes:</b> Originally identified as two crossings. Stream enters culvert at crossing location 453 and flows underground to crossing location 454, where it passes under Highway 101 before flowing into the bay. Pipe either passes under buildings or is not routed in a straight line (probably the latter, but unknown). The outlet end of this culvert is constructed entirely from treated timbers.					



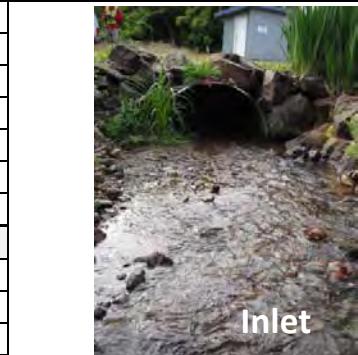
LOCATION INFO		Culvert #	5304	Priority	M
Watershed	Tillamook Bay				
Stream Name	School Creek				
Township-Range-Section-1/4	T1N, R10W, Sec. 20, SW $\frac{1}{4}$ of NE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)	429112/5045771				
Road Name	Church Parking Lot				
Road/Culvert Owner	Private Drive				
Adjacent Landowners	Garibaldi Faith Church				
CULVERT INFO		CHANNEL INFO			
Shape	Circular	Inlet Gradient (%)	7.0		
Material	Corrugated Metal	Upstream Gradient (%)	4.0		
Length (ft)	125	Bankfull Width (ft)	8.0		
Width (in)	36	Bankfull:Culvert Ratio	0.4		
Height (in)	36	Natural substrate throughout pipe.			
Outlet Perch (ft)	None	Natural substrate throughout pipe.			
Slope (%)	1.0	Natural substrate throughout pipe.			
Rustline Height (in)	18	Natural substrate throughout pipe.			
Overall Condition	Poor	Natural substrate throughout pipe.			
PRIORITIZATION ANALYSIS					
Upstream Habitat Length (mi)	0.7	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		
<b>Notes:</b> Barrel of pipe is deformed. In addition, the outlet is wider (42 inch width) and a different shape than the inlet (it is a pipe arch). Two different pipes may have been joined to allow construction of the church parking lot. Barrier rating based on BFW:Culvert ratio, but during low flows (e.g., when we observed the pipe during summer 2012) it appears that juvenile fish could pass through the culvert.					



## WHITNEY CREEK CULVERTS

LOCATION INFO		Culvert #	5302	Priority	L
Watershed	Tillamook Bay				
Stream Name	Whitney Creek				
Township-Range-Section-1/4	T1N, R10W, Sec. 22, NE <sup>1/4</sup> of NW <sup>1/4</sup>				
UTM Easting/Northing (Zone 10, NAD 1983)	429847/5045882				
Road Name	Highway 101				
Road/Culvert Owner	Oregon Department of Transportation				
Adjacent Landowners	B. Merrill and L. Godfrey				
CULVERT INFO		CHANNEL INFO			
Shape	Circular	Inlet Gradient (%)	17.0		
Material	Concrete	Upstream Gradient (%)	2.0		
Length (ft)	55	Bankfull Width (ft)	7.2		
Width (in)	36	Bankfull:Culvert Ratio	0.4		
Height (in)	36				
Outlet Perch (ft)	None				
Slope (%)	1.0				
Rustline Height (in)	14				
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		
<p><b>Notes:</b> This pipe outlets approximately 10 ft upstream of another culvert (under railroad tracks) that is constructed entirely of treated timbers. The inlet dimensions of the timber pipe a 3 ft wide x 2 ft high. We did not have access to the outlet end of the timber pipe. In addition, there is yet another pipe downstream of the timber pipe, under a drive on private property. We did not have permission to enter the property, so we have no information on it.</p>					

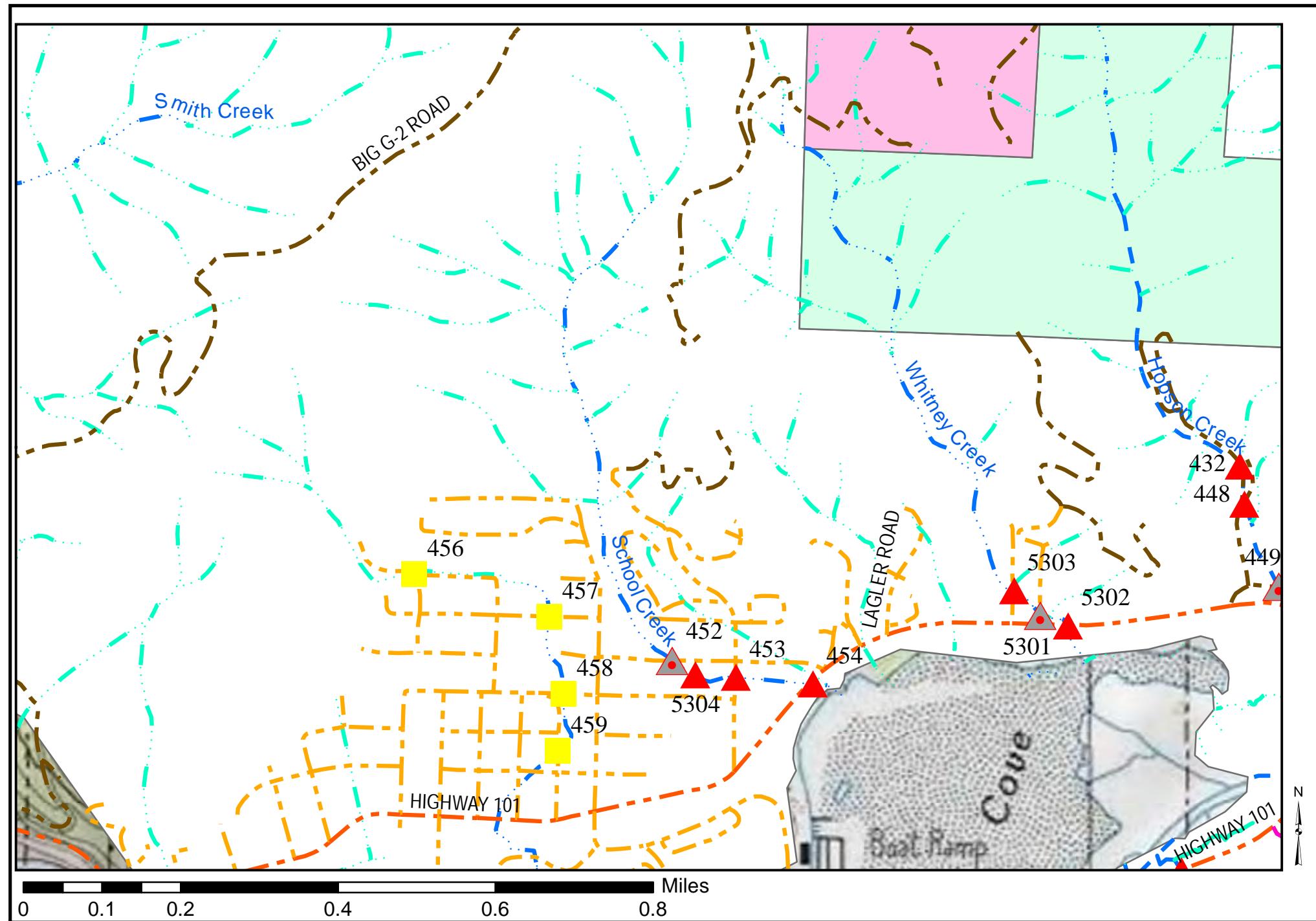
LOCATION INFO				Culvert #	5301	Priority	L				
Watershed				Tillamook Bay							
Stream Name				Whitney Creek							
Township-Range-Section-1/4				T1N, R10W, Sec. 22, NE <sup>1/4</sup> of NW <sup>1/4</sup>							
UTM Easting/Northing (Zone 10, NAD 1983)				429817/5045895							
Road Name				Arizona Way							
Road/Culvert Owner				City of Garibaldi							
Adjacent Landowners				D. Calliau and L. Godfrey							
CULVERT INFO		CHANNEL INFO									
Shape	Pipe arch	Inlet Gradient (%)	4.5								
Material	Corrugated metal	Upstream Gradient (%)	3.5								
Length (ft)	61	Bankfull Width (ft)	4.9								
Width (in)	42	Bankfull:Culvert Ratio	0.7								
Height (in)	30										
Outlet Perch (ft)	None										
Slope (%)	1.0										
Rustline Height (in)	9										
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 Type	Gray	Barrier Points	2								
		Prioritization Total Points	7								
Notes:											



LOCATION INFO				Culvert #	5303	Priority	L				
Watershed				Tillamook Bay							
Stream Name				Whitney Creek							
Township-Range-Section-1/4				T1N, R10W, Sec. 22, NE <sup>1/4</sup> of NW <sup>1/4</sup>							
UTM Easting/Northing (Zone 10, NAD 1983)				429760/5045944							
Road Name				Martin Smith Lane							
Road/Culvert Owner				Private							
Adjacent Landowners				R. Perigo and T. & C. North							
CULVERT INFO		CHANNEL INFO									
Shape	Circular	Inlet Gradient (%)	6.5								
Material	Corrugated metal	Upstream Gradient (%)	4.5								
Length (ft)	55	Bankfull Width (ft)	5.2								
Width (in)	36	Bankfull:Culvert Ratio	0.6								
Height (in)	36										
Outlet Perch (ft)	0.7										
Slope (%)	3.5										
Rustline Height (in)	18										
Overall Condition	Critical										
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 Type	Red	Barrier Points	3								
		Prioritization Total Points	8								
Notes: Bottom completely worn through. Culvert in extremely poor condition. Couldn't access inlet.											



Outlet



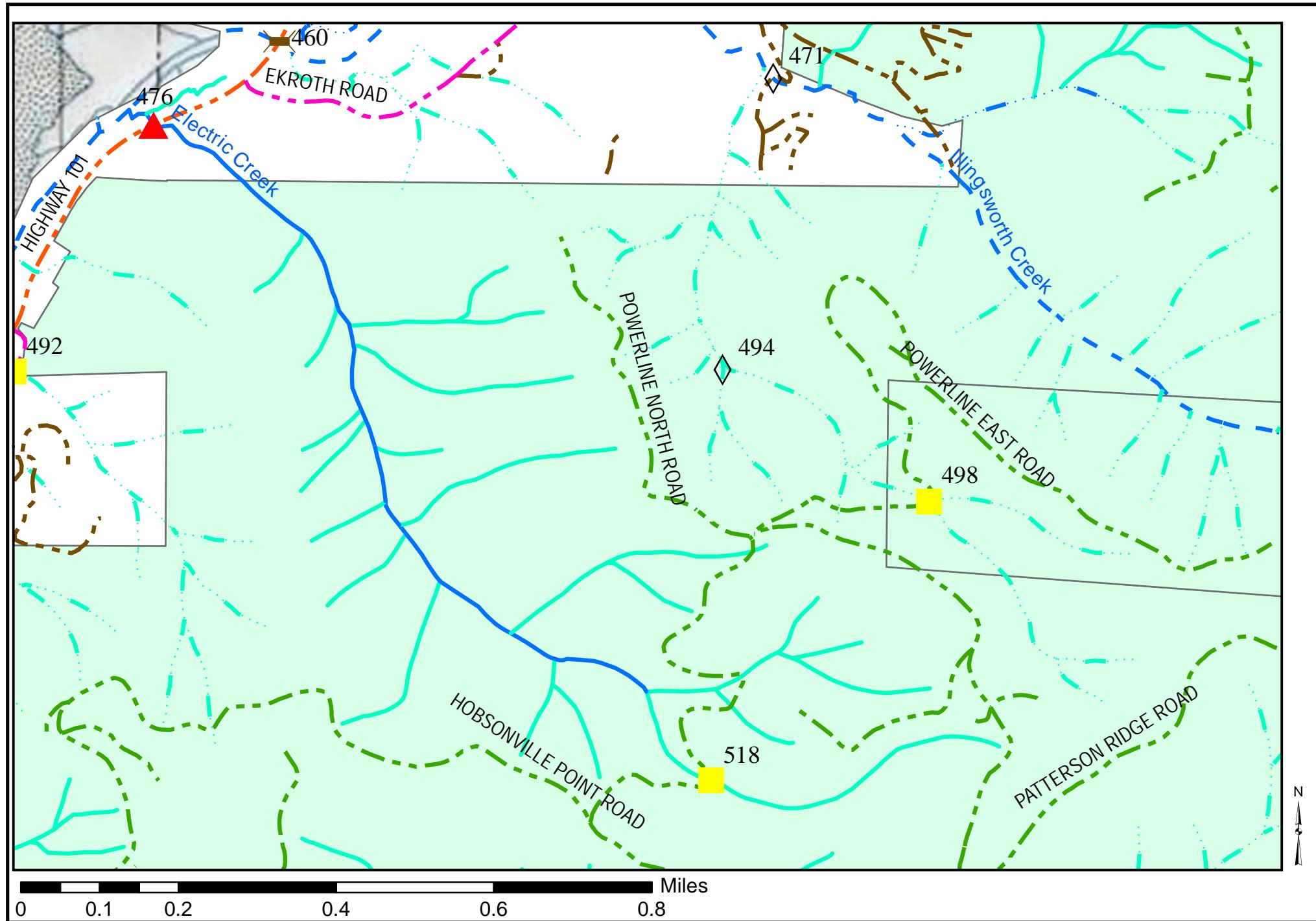
Garibaldi Town Limits Culverts, Tillamook Bay Tributaries

## ELECTRIC CREEK CULVERT

LOCATION INFO		Culvert #	476	Priority	M
Watershed	Tillamook Bay				
Stream Name	Electric Creek				
Township-Range-Section-1/4	T1N, R10W, Sec. 22, SW $\frac{1}{4}$ of NE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)	430186/5045387				
Road Name	Highway 101				
Road/Culvert Owner	Oregon Department of Transportation				
Adjacent Landowners	B. Green				
CULVERT INFO		CHANNEL INFO			
Shape	Circular	Inlet Gradient (%)	1.1		
Material	Corrugated metal	Upstream Gradient (%)	1.1		
Length (ft)	~160	Bankfull Width (ft)	5.2		
Width (in)	48 (inlet) 60 (outlet)	Bankfull:Culvert Ratio	1.0		
Height (in)	48 (inlet) 60 (outlet)				
Outlet Perch (ft)	None				
Slope (%)	Variable				
Rustline Height (in)	30				
Overall Condition	Critical				
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 Type	Red	Barrier Points	3		
		Prioritization Total Points	9		

**Notes:** Inlet and outlet are corrugated metal, but a portion of the middle of the pipe is concrete. Corrugated sections are highly corroded and severe cross sectional deformation was noted for portions of the pipe. Unable to survey or use Abney level to obtain several pieces of data used to characterize culverts. Gradient of the inlet section of pipe was extremely steep (~20 %), outlet section was much less steep.



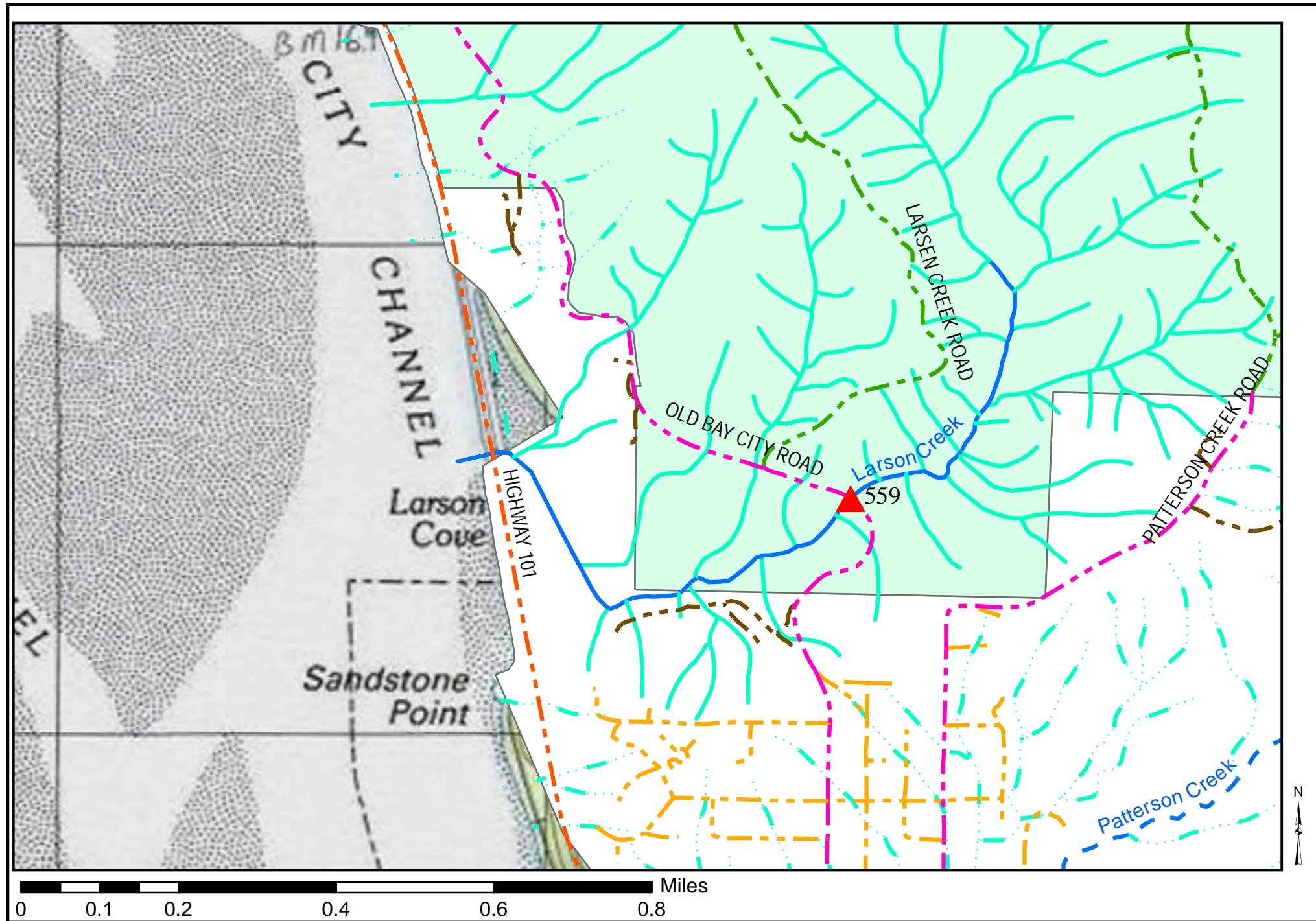


Electric Creek Culverts, Tillamook Bay Tributaries

## LARSON CREEK CULVERT

LOCATION INFO		Culvert #	559	Priority	M
Watershed	Tillamook Bay				
Stream Name	Larson Creek				
Township-Range-Section-1/4	T1N, R10W, Sec. 34, NE¼ of NE¼				
UTM Easting/Northing (Zone 10, NAD 1983)	430546/5042675				
Road Name	Old Bay City Road				
Road/Culvert Owner	Tillamook County				
Adjacent Landowners	Oregon Department of Forestry				
CULVERT INFO		CHANNEL INFO			
Shape	Circular	Inlet Gradient (%)	1.4		
Material	Concrete	Upstream Gradient (%)	0.4		
Length (ft)	55	Bankfull Width (ft)	3.6		
Width (in)	36	Bankfull:Culvert Ratio	0.8		
Height (in)	36				
Outlet Perch (ft)	1.5				
Slope (%)	1.8				
Rustline Height (in)	N/A				
Overall Condition	Poor				
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	Red	Barrier Points	3		
		Prioritization Total Points	9		
Notes:					





Larson Creek Culvert, Tillamook Bay Tributaries

## PATTERSON CREEK CULVERTS

LOCATION INFO				Culvert #	581	Priority	H
Watershed		Tillamook Bay					
Stream Name		Patterson Creek					
Township-Range-Section-1/4		T1N, R10W, Sec. 34, SW $\frac{1}{4}$ of SE $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		430242/5041650					
Road Name		Highway 101					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		ODOT, Port of Garibaldi					
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	0.1				
Material	Concrete	Upstream Gradient (%)	0.2				
Length (ft)	105	Bankfull Width (ft)	22.0				
Width (in)	96	Bankfull:Culvert Ratio	0.4				
Height (in)	96						
Outlet Perch (ft)	None						
Slope (%)	0.2						
Rustline Height (in)	48						
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				
<p><b>Notes:</b> Although classified as Gray, this culvert likely passes fish under most conditions. Classification is based on BFW:Width Ratio, but because culvert is tidally influence and completely backwatered under most conditions, it seems likely that passage is rarely inhibited by this crossing. That being said, the culvert is undersized and almost certainly impairs tidal processes.</p>							



Inlet



Outlet - downstream view

LOCATION INFO				Culvert #	579	Priority	H
Watershed		Tillamook Bay					
Stream Name		Patterson Creek					
Township-Range-Section-1/4		T1N, R10W, Sec. 22, NW $\frac{1}{4}$ of NW $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		430484/5041795					
Road Name		4 <sup>th</sup> Street					
Road/Culvert Owner		City of Bay City					
Adjacent Landowners		City of Bay City, B.&C. Scovel					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	7.6				
Material	Corrugated Metal	Upstream Gradient (%)	1.9				
Length (ft)	97	Bankfull Width (ft)	11.4				
Width (in)	72	Bankfull:Culvert Ratio	0.5				
Height (in)	72						
Outlet Perch (ft)	None						
Slope (%)	1.6						
Rustline Height (in)	33						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	3.7	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				
<p><b>Notes:</b></p>							

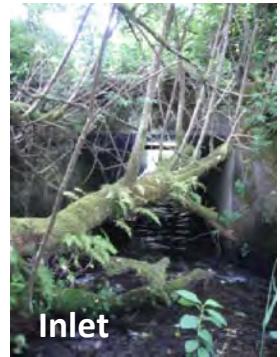


Inlet



Outlet

LOCATION INFO				Culvert #	578	Priority	H
Watershed			Tillamook Bay				
Stream Name			Patterson Creek				
Township-Range-Section-1/4			T1N, R10W, Sec. 35, SE $\frac{1}{4}$ of NW $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)			430568/5041806				
Road Name			5 <sup>th</sup> Street				
Road/Culvert Owner			City of Bay City				
Adjacent Landowners			A & E. Troyer, A. Harris, J. Fullan				
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	4.2				
Material	Concrete	Upstream Gradient (%)	10				
Length (ft)	71	Bankfull Width (ft)	15.0				
Width (in)	96	Bankfull:Culvert Ratio	0.5				
Height (in)	72						
Outlet Perch (ft)	1.8						
Slope (%)	0.5						
Rustline Height (in)	24						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	3.6	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 #	575	Priority	H
Watershed			Tillamook Bay				
Stream Name			Patterson Creek				
Township-Range-Section-1/4			T1N, R10W, Sec. 35, SE $\frac{1}{4}$ of NW $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)			430727/5041881				
Road Name			Unnamed drive off Main Ave.				
Road/Culvert Owner			City of Bay City				
Adjacent Landowners			D. Buxton, R. & S. Blodget				
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	2.8				
Material	Corrugated metal	Upstream Gradient (%)	2.2				
Length (ft)	36	Bankfull Width (ft)	11.6				
Width (in)	60	Bankfull:Culvert Ratio	0.4				
Height (in)	60						
Outlet Perch (ft)	0.8						
Slope (%)	3.4						
Rustline Height (in)	18						
Overall Condition	Critical						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.3	Habitat Points	4				
Habitat Quality	Fair(-)	Habitat Quality Points	2				
Fish Species	Anad.	Fish Points	3				
Barrier Type	Red	Barrier Points	3				
		Prioritization Total Points	12				
Notes: Bottom and side of culvert completely worn through.							





LOCATION INFO				Culvert #	542	Priority	M
Watershed		Tillamook Bay					
Stream Name		Patterson Creek					
Township-Range-Section-1/4		T1N, R10W, Sec. 26, SE $\frac{1}{4}$ of SW $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		431891/5042999					
Road Name		Unnamed Forest Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	28.8				
Material	Corrugated metal	Upstream Gradient (%)	3.6				
Length (ft)	43	Bankfull Width (ft)	8.7				
Width (in)	36	Bankfull:Culvert Ratio	0.3				
Height (in)	36						
Outlet Perch (ft)	1.6						
Slope (%)	5.0						
Rustline Height (in)	7						
Overall Condition	Poor						
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: Large amount of sediment and debris in inlet. Water overflowing pipe inlet during early summer survey visit.							



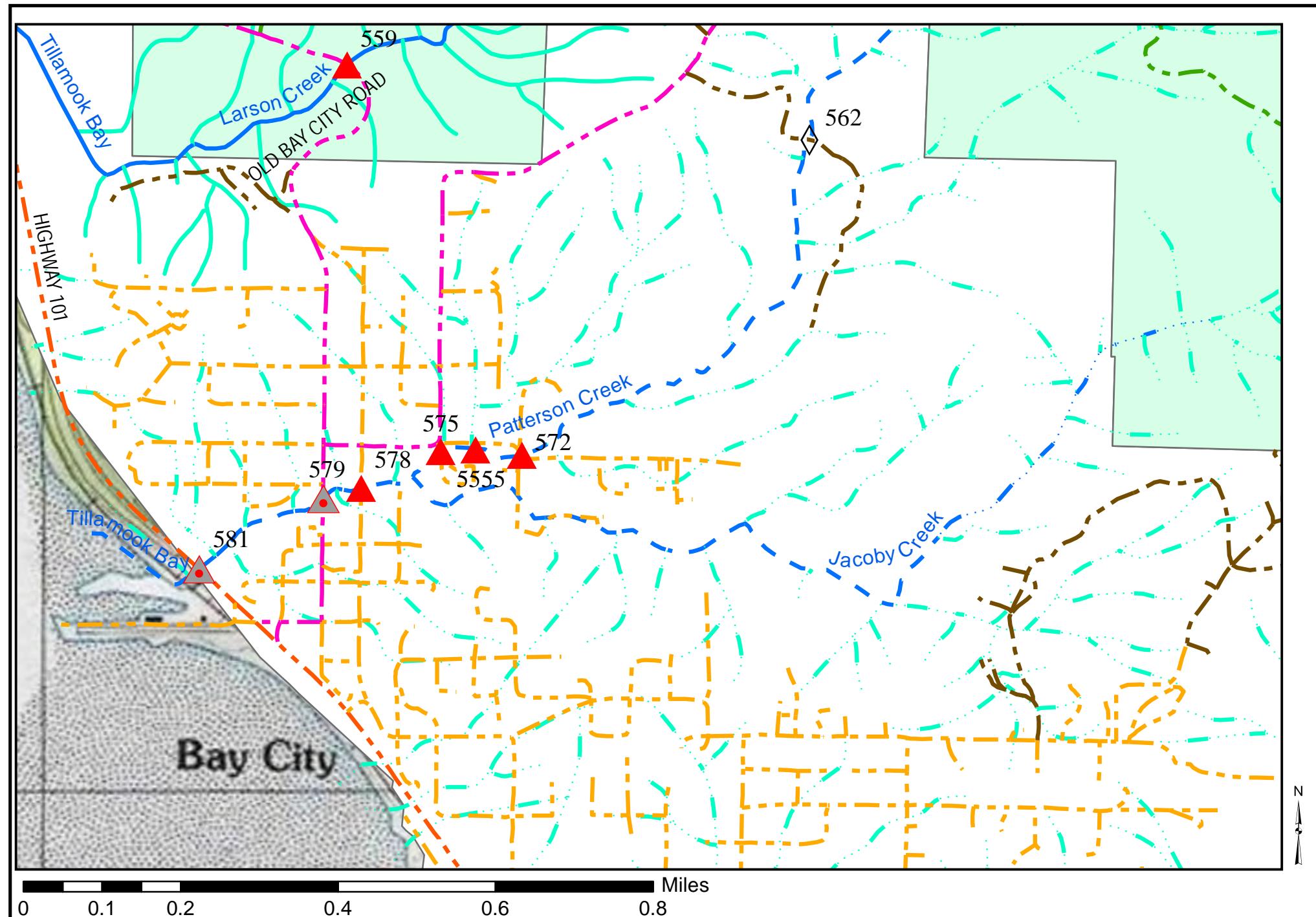
LOCATION INFO				Culvert #	528	Priority	L
Watershed		Tillamook Bay					
Stream Name		Patterson Creek					
Township-Range-Section-1/4		T1N, R10W, Sec. 26, NW $\frac{1}{4}$ of SE $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		432101/5043624					
Road Name		Patterson Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	4.0				
Material	Corrugated metal	Upstream Gradient (%)	3.5				
Length (ft)	74	Bankfull Width (ft)	6.9				
Width (in)	36	Bankfull:Culvert Ratio	0.4				
Height (in)	36						
Outlet Perch (ft)	2.2						
Slope (%)	2.0						
Rustline Height (in)	16						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							



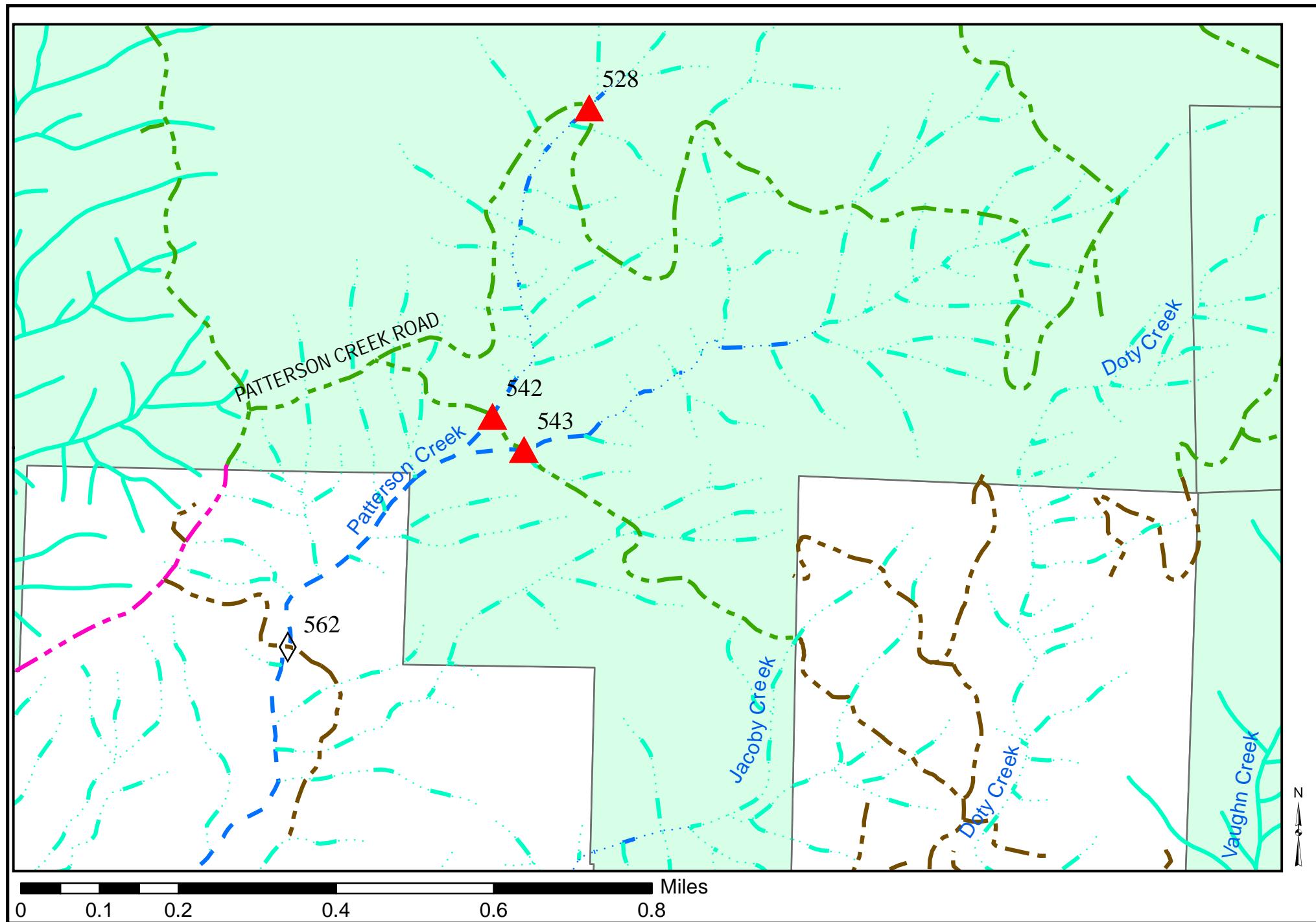
LOCATION INFO			Culvert #	543	Priority	M
Watershed		Tillamook Bay				
Stream Name		Unnamed tributary to Patterson Creek				
Township-Range-Section-1/4		T1N, R10W, Sec. 25, NW $\frac{1}{4}$ of SE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)		431979/5042920				
Road Name		Unnamed Forest Road				
Road/Culvert Owner		Oregon Department of Forestry				
Adjacent Landowners		Oregon Department of Forestry				
CULVERT INFO		CHANNEL INFO				
Shape	Circular	Inlet Gradient (%)	66.3			
Material	Corrugated metal	Upstream Gradient (%)	7.3			
Length (ft)	41	Bankfull Width (ft)	5.7			
Width (in)	42	Bankfull:Culvert Ratio	0.6			
Height (in)	42					
Outlet Perch (ft)	3.1					
Slope (%)	4.2					
Rustline Height (in)	23					
Overall Condition	Poor					
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	Red	Barrier Points	3			
		Prioritization Total Points	9			



**Notes:** Large amount of debris in inlet.



Lower Patterson Creek Culverts, Tillamook Bay Tributaries



Upper Patterson Creek Culverts, Tillamook Bay Tributaries

## DOTY CREEK CULVERTS

LOCATION INFO			Culvert #	647	Priority	H
Watershed		Kilchis River				
Stream Name		Doty Creek				
Township-Range-Section-1/4		T1S, R10W, Sec. 2, SW $\frac{1}{4}$ of SE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)		431728/5039890				
Road Name		Highway 101				
Road/Culvert Owner		Oregon Department of Transportation				
Adjacent Landowners		M. Farrington, F. & L. Adkins				
CULVERT INFO		CHANNEL INFO				
Shape	Pipe Arch	Inlet Gradient (%)	2.7			
Material	Corrugated metal	Upstream Gradient (%)	13.2			
Length (ft)	75	Bankfull Width (ft)	5.8			
Width (in)	66	Bankfull:Culvert Ratio	0.9			
Height (in)	36					
Outlet Perch (ft)	0.5					
Slope (%)	0.7					
Rustline Height (in)	10					
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	Red	Barrier Points	3			
		Prioritization Total Points	12			
Notes: Integrated apron on outlet.						



LOCATION INFO			Culvert #	637	Priority	H
Watershed		Kilchis River				
Stream Name		Doty Creek				
Township-Range-Section-1/4		T1S, R10W, Sec. 2, SE $\frac{1}{4}$ of SE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)		432147/5040015				
Road Name		Alderbrook Loop Road				
Road/Culvert Owner		Tillamook County				
Adjacent Landowners		L.&C. Oswald, D.&C. Phillips, and J. Johnson				
CULVERT INFO		CHANNEL INFO				
Shape	Circular	Inlet Gradient (%)	13.6			
Material	Concrete	Upstream Gradient (%)	0.15			
Length (ft)	41	Bankfull Width (ft)	6.8			
Width (in)	36	Bankfull:Culvert Ratio	0.4			
Height (in)	36					
Outlet Perch (ft)	0.1					
Slope (%)	0.1					
Rustline Height (in)	N/A					
Overall Condition	Fair					
PRIORITIZATION ANALYSIS						
Upstream Habitat Length (mi)	1.4	Habitat Points	3			
Habitat Quality	Fair	Habitat Quality Points	2			
Fish Species	Anad.	Fish Points	3			
Barrier Type	Gray	Barrier Points	2			
		Prioritization Total Points	10			
Notes:						



LOCATION INFO		Culvert #	636	Priority	H
<b>Watershed</b>		Tillamook Bay			
<b>Stream Name</b>		Doty Creek			
<b>Township-Range-Section-1/4</b>		T1S, R10W, Sec. 2, NE $\frac{1}{4}$ of SE $\frac{1}{4}$			
<b>UTM Easting/Northing</b> (Zone 10, NAD 1983)		432285/5040153			
<b>Road Name</b>		Vaughan Road			
<b>Road/Culvert Owner</b>		City of Bay City			
<b>Adjacent Landowners</b>		J. Johnson, M. Smith, J.&J. Keppner			
CULVERT INFO		CHANNEL INFO			
<b>Shape</b>	Circular	<b>Inlet Gradient (%)</b>	2.9		
<b>Material</b>	Corrugated metal	<b>Upstream Gradient (%)</b>	1.2		
<b>Length (ft)</b>	37	<b>Bankfull Width (ft)</b>	6.8		
<b>Width (in)</b>	36	<b>Bankfull:Culvert Ratio</b>	0.4		
<b>Height (in)</b>	36				
<b>Outlet Perch (ft)</b>	0.1				
<b>Slope (%)</b>	0.3				
<b>Rustline Height (in)</b>	16				
<b>Overall Condition</b>	Fair				
PRIORITIZATION ANALYSIS					
<b>Upstream Habitat Length (mi)</b>	1.2	<b>Habitat Points</b>	3		
<b>Habitat Quality</b>	Fair	<b>Habitat Quality Points</b>	2		
<b>Fish Species</b>	Anad.	<b>Fish Points</b>	3		
<b>Barrier Type</b>	Red	<b>Barrier Points</b>	3		
		<b>Prioritization Total Points</b>	11		
<b>Notes:</b> Entire culvert rusty.					



LOCATION INFO		Culvert #	622	Priority	H
<b>Watershed</b>		Tillamook Bay			
<b>Stream Name</b>		Doty Creek			
<b>Township-Range-Section-1/4</b>		T1S, R10W, Sec. 1, SW $\frac{1}{4}$ of NW $\frac{1}{4}$			
<b>UTM Easting/Northing</b> (Zone 10, NAD 1983)		432654/5040550			
<b>Road Name</b>		Private Drive off Doughty Road			
<b>Road/Culvert Owner</b>		G. Oldenkamp			
<b>Adjacent Landowners</b>		R. Rasmussen, J.&T. Jepson			
CULVERT INFO		CHANNEL INFO			
<b>Shape</b>	Circular	<b>Inlet Gradient (%)</b>	11.8		
<b>Material</b>	Corrugated metal	<b>Upstream Gradient (%)</b>	1.2		
<b>Length (ft)</b>	19	<b>Bankfull Width (ft)</b>	8.6		
<b>Width (in)</b>	45	<b>Bankfull:Culvert Ratio</b>	0.4		
<b>Height (in)</b>	45				
<b>Outlet Perch (ft)</b>	0.6				
<b>Slope (%)</b>	8.0				
<b>Rustline Height (in)</b>	18				
<b>Overall Condition</b>	Poor				
PRIORITIZATION ANALYSIS					
<b>Upstream Habitat Length (mi)</b>	0.8	<b>Habitat Points</b>	2		
<b>Habitat Quality</b>	Fair	<b>Habitat Quality Points</b>	2		
<b>Fish Species</b>	Anad.	<b>Fish Points</b>	3		
<b>Barrier Type</b>	Red	<b>Barrier Points</b>	3		
		<b>Prioritization Total Points</b>	10		
<b>Notes:</b> Cascade into inlet and bottom worn through on outlet.					



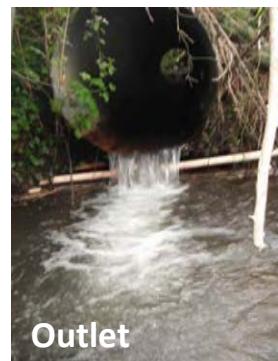
LOCATION INFO				Culvert #	613	Priority	M
<b>Watershed</b>		Tillamook Bay					
<b>Stream Name</b>		Doty Creek					
<b>Township-Range-Section-1/4</b>		T1S, R10W, Sec. 1, NW <sup>1/4</sup> of NW <sup>1/4</sup>					
<b>UTM Easting/Northing</b> (Zone 10, NAD 1983)		432729/5040868					
<b>Road Name</b>		Doughty Road					
<b>Road/Culvert Owner</b>		Tillamook County					
<b>Adjacent Landowners</b>		R. Rasmussen, Alderbrook Hills, W.&D. Collum					
CULVERT INFO			CHANNEL INFO				
<b>Shape</b>	Circular		<b>Inlet Gradient (%)</b>	10.8			
<b>Material</b>	Corrugated metal		<b>Upstream Gradient (%)</b>	3.5			
<b>Length (ft)</b>	36		<b>Bankfull Width (ft)</b>	6.5			
<b>Width (in)</b>	46		<b>Bankfull:Culvert Ratio</b>	0.6			
<b>Height (in)</b>	46						
<b>Outlet Perch (ft)</b>	None						
<b>Slope (%)</b>	-1.1						
<b>Rustline Height (in)</b>	17						
<b>Overall Condition</b>	Fair						
PRIORITIZATION ANALYSIS							
<b>Upstream Habitat Length (mi)</b>	0.7		<b>Habitat Points</b>	2			
<b>Habitat Quality</b>	Fair		<b>Habitat Quality Points</b>	2			
<b>Fish Species</b>	Anad.		<b>Fish Points</b>	3			
<b>Barrier Type</b>	Gray		<b>Barrier Points</b>	2			
			<b>Prioritization Total Points</b>	9			
<b>Notes:</b>							



LOCATION INFO				Culvert #	605	Priority	M
<b>Watershed</b>		Tillamook Bay					
<b>Stream Name</b>		Doty Creek					
<b>Township-Range-Section-1/4</b>		T1N, R10W, Sec. 36, SE <sup>1/4</sup> of SW <sup>1/4</sup>					
<b>UTM Easting/Northing</b> (Zone 10, NAD 1983)		432768/5041048					
<b>Road Name</b>		Private Drive off Doughty Road					
<b>Road/Culvert Owner</b>		Oregon Department of Forestry					
<b>Adjacent Landowners</b>		Oregon Department of Forestry					
CULVERT INFO			CHANNEL INFO				
<b>Shape</b>	Circular		<b>Inlet Gradient (%)</b>	12.0			
<b>Material</b>	Corrugated metal		<b>Upstream Gradient (%)</b>	0.58			
<b>Length (ft)</b>	31		<b>Bankfull Width (ft)</b>	7.6			
<b>Width (in)</b>	48		<b>Bankfull:Culvert Ratio</b>	0.5			
<b>Height (in)</b>	48						
<b>Outlet Perch (ft)</b>	None						
<b>Slope (%)</b>	3.4						
<b>Rustline Height (in)</b>	20.4						
<b>Overall Condition</b>	Fair						
PRIORITIZATION ANALYSIS							
<b>Upstream Habitat Length (mi)</b>	0.5		<b>Habitat Points</b>	1			
<b>Habitat Quality</b>	Fair		<b>Habitat Quality Points</b>	2			
<b>Fish Species</b>	Anad.		<b>Fish Points</b>	3			
<b>Barrier Type</b>	Red		<b>Barrier Points</b>	3			
			<b>Prioritization Total Points</b>	9			
<b>Notes:</b>							

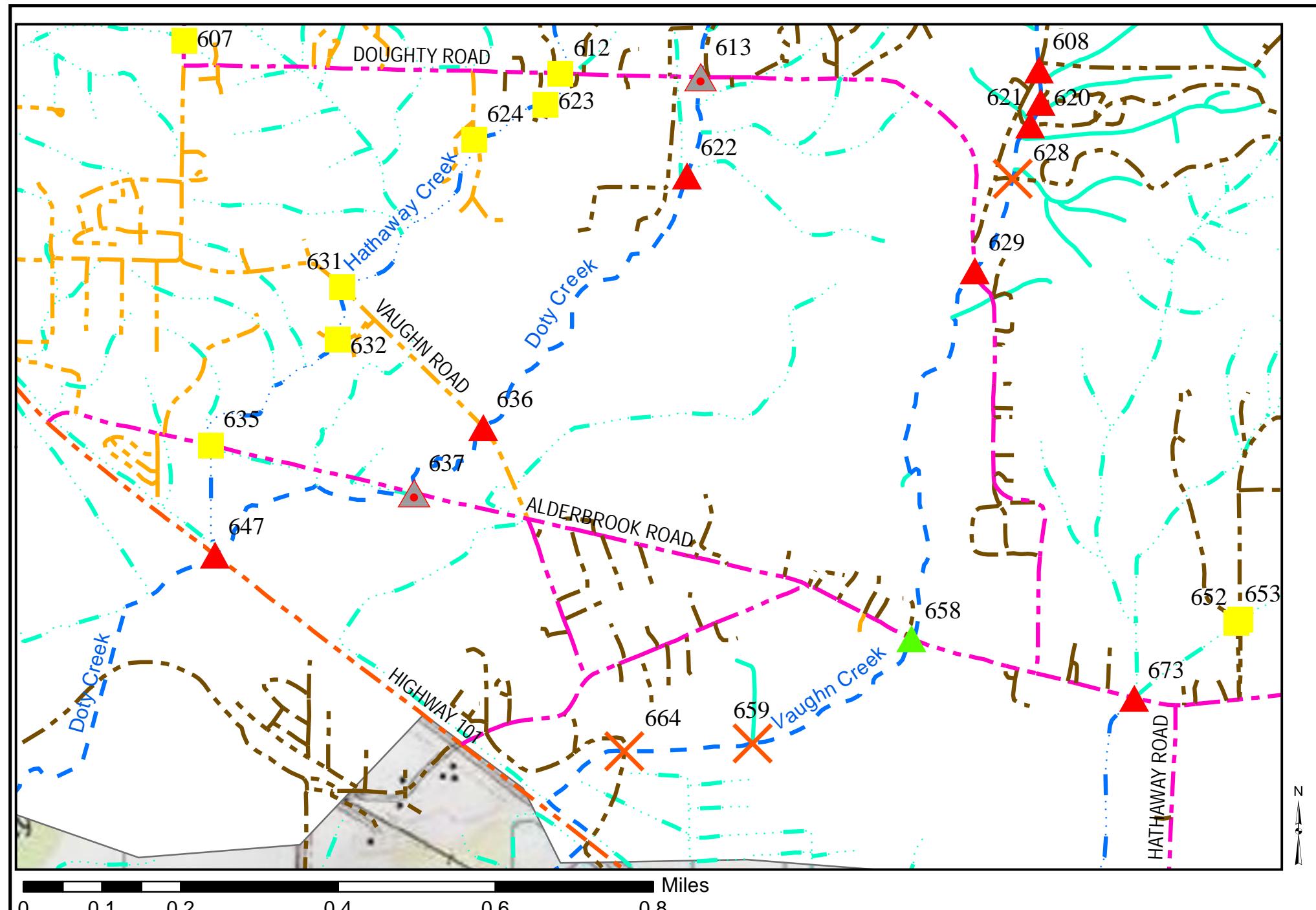


LOCATION INFO				Culvert #	599	Priority	M
Watershed		Tillamook Bay					
Stream Name		Doty Creek					
Township-Range-Section-1/4		T1N, R10W, Sec. 36, SE $\frac{1}{4}$ of SW $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		432833/5041204					
Road Name		Timberline Drive					
Road/Culvert Owner		J.&S. Smith					
Adjacent Landowners		J.&S. Smith and P. Early					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	18.1				
Material	Corrugated metal	Upstream Gradient (%)	3.1				
Length (ft)	40	Bankfull Width (ft)	9.0				
Width (in)	48	Bankfull:Culvert Ratio	0.4				
Height (in)	48						
Outlet Perch (ft)	0.9						
Slope (%)	1.2						
Rustline Height (in)	18						
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	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes:							

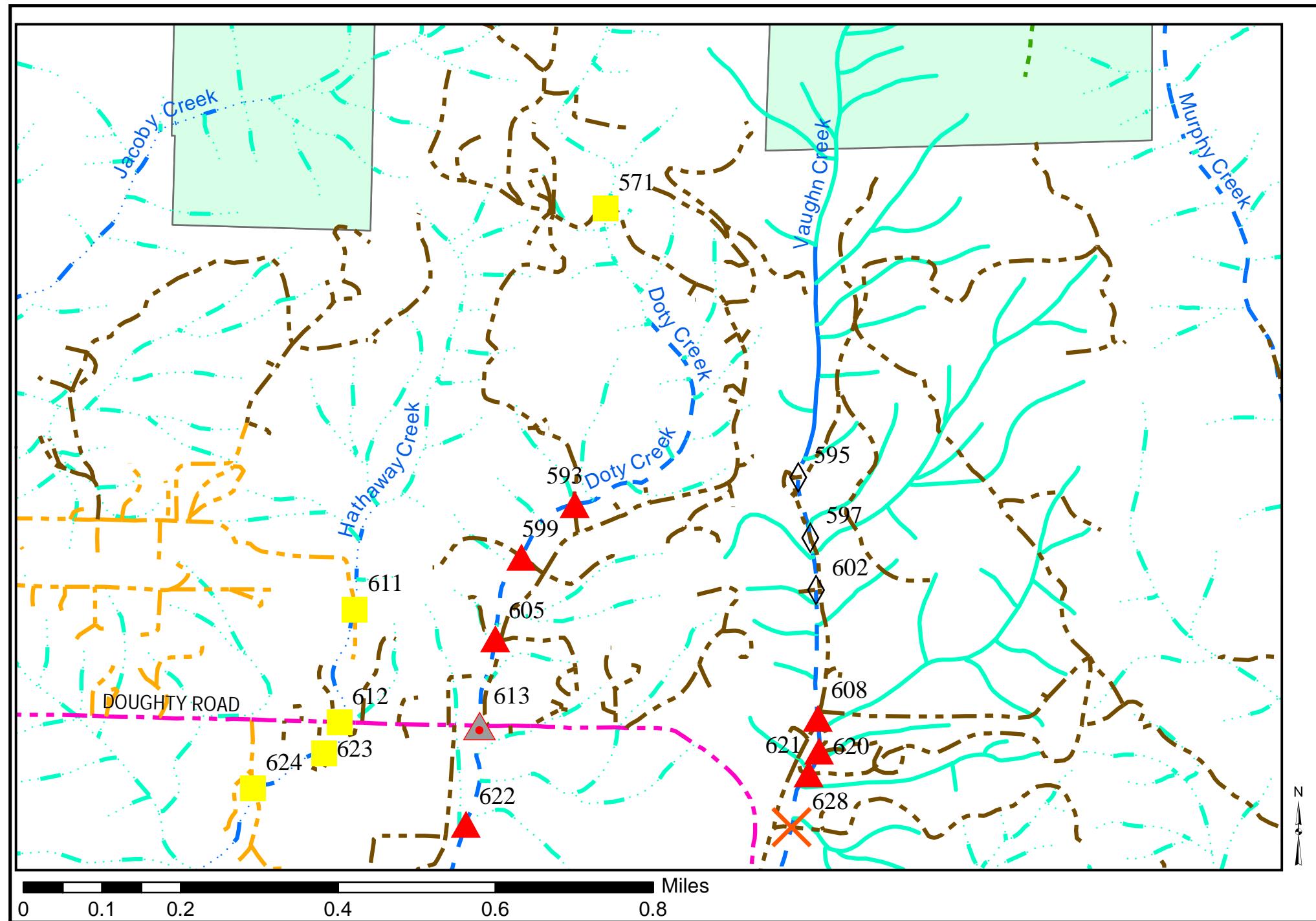


LOCATION INFO				Culvert #	593	Priority	
Watershed		Tillamook Bay					
Stream Name		Doty Creek					
Township-Range-Section-1/4		T1N, R10W, Sec. 36, SE $\frac{1}{4}$ of NW $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		432915/5041390					
Road Name		Private drive off Willowbrook Drive					
Road/Culvert Owner		Alderbrook Hills Road & Maintenance					
Adjacent Landowners		E.&K. Heuberger, B. Germond					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	5.6				
Material	Corrugated metal	Upstream Gradient (%)	1.9				
Length (ft)	44	Bankfull Width (ft)	5.2				
Width (in)	24	Bankfull:Culvert Ratio	0.4				
Height (in)	24						
Outlet Perch (ft)	4.2						
Slope (%)	6.3						
Rustline Height (in)	unknown						
Overall Condition	Fair						
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 Type	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes: Small PVC "apron" on outlet							





Lower Doty Creek Culverts, Tillamook Bay Tributaries



## Upper Doty Creek Culverts, Tillamook Bay Tributaries

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**South Tillamook Bay Tributaries  
and  
Cape Meares Area  
Culverts**

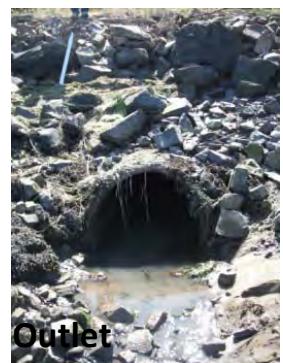
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## BAYOCEAN ROAD CULVERTS

LOCATION INFO			Culvert #	778	Priority	L
Watershed		Tillamook Bay				
Stream Name		Dick Creek				
Township-Range-Section-1/4		T1S, R10W, Sec. 15, NW <sup>1/4</sup> of SW <sup>1/4</sup>				
UTM Easting/Northing (Zone 10, NAD 1983)		429330/5036881				
Road Name		Bayocean Road				
Road/Culvert Owner		Tillamook County				
Adjacent Landowners		J. Winter.				
CULVERT INFO		CHANNEL INFO				
Shape	Pipe Arch	Inlet Gradient (%)	1.5			
Material	Corrugated metal	Upstream Gradient (%)	3.8			
Length (ft)	44	Bankfull Width (ft)	11.4			
Width (in)	72	Bankfull:Culvert Ratio	0.5			
Height (in)	42					
Outlet Perch (ft)	Not measurable					
Slope (%)	2.1					
Rustline Height (in)	6					
Overall Condition	Poor					
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	Gray	Barrier Points	2			
		Prioritization Total Points	8			
Notes: Outlets directly into bay.						



LOCATION INFO			Culvert #	757	Priority	L
Watershed		Tillamook Bay				
Stream Name		Unnamed Tributary near Bock Point				
Township-Range-Section-1/4		T1S, R10W, Sec. 16, SE <sup>1/4</sup> of NE <sup>1/4</sup>				
UTM Easting/Northing (Zone 10, NAD 1983)		429068/5037210				
Road Name		Bayocean Road				
Road/Culvert Owner		Tillamook County				
Adjacent Landowners		Stimson Lumber Co.				
CULVERT INFO		CHANNEL INFO				
Shape	Circular	Inlet Gradient (%)	15.3			
Material	Concrete	Upstream Gradient (%)	1.1			
Length (ft)	59	Bankfull Width (ft)	5.8			
Width (in)	36	Bankfull:Culvert Ratio	0.5			
Height (in)	36					
Outlet Perch (ft)	Not measurable					
Slope (%)	0.0					
Rustline Height (in)	12					
Overall Condition	Fair					
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 Type	Gray	Barrier Points	2			
		Prioritization Total Points	8			
Notes: Outlets directly into bay.						



LOCATION INFO				Culvert #	725	Priority	L				
<b>Watershed</b>		Tillamook Bay									
<b>Stream Name</b>		Unnamed Tributary at Boulder Point									
<b>Township-Range-Section-1/4</b>		T1S, R10W, Sec. 16, NE¼ of NW¼									
<b>UTM Easting/Northing (Zone 10, NAD 1983)</b>		428308/5037848									
<b>Road Name</b>		Bayocean Road									
<b>Road/Culvert Owner</b>		Tillamook County									
<b>Adjacent Landowners</b>		J. A. Johnson									
CULVERT INFO		CHANNEL INFO									
<b>Shape</b>	Circular	<b>Inlet Gradient (%)</b>	1.8								
<b>Material</b>	Corrugated metal	<b>Upstream Gradient (%)</b>	3.7								
<b>Length (ft)</b>	52	<b>Bankfull Width (ft)</b>	6.7								
<b>Width (in)</b>	72	<b>Bankfull:Culvert Ratio</b>	0.9								
<b>Height (in)</b>	72										
<b>Outlet Perch (ft)</b>	Not measurable										
<b>Slope (%)</b>	2.8										
<b>Rustline Height (in)</b>	30										
<b>Overall Condition</b>	Poor										
PRIORITIZATION ANALYSIS											
<b>Upstream Habitat Length (mi)</b>	0.4	<b>Habitat Points</b>	1								
<b>Habitat Quality</b>	Fair	<b>Habitat Quality Points</b>	2								
<b>Fish Species</b>	Anad.	<b>Fish Points</b>	3								
<b>Barrier Class</b>	Gray	<b>Barrier Points</b>	2								
		<b>Prioritization Total Points</b>	8								
<b>Notes:</b> Outlets directly into bay.											



Outlet



Outlet-downstream

LOCATION INFO				Culvert #	702	Priority	M				
<b>Watershed</b>		Tillamook Bay									
<b>Stream Name</b>		Unnamed tributary at McCoy Cove									
<b>Township-Range-Section-1/4</b>		T1S, R10W, Sec. 9, SE¼ of SW¼									
<b>UTM Easting/Northing (Zone 10, NAD 1983)</b>		428043/5038123									
<b>Road Name</b>		Bayocean Road									
<b>Road/Culvert Owner</b>		Tillamook County									
<b>Adjacent Landowners</b>		J. A. Johnson									
CULVERT INFO		CHANNEL INFO									
<b>Shape</b>	Circular	<b>Inlet Gradient (%)</b>	1.0								
<b>Material</b>	Concrete	<b>Upstream Gradient (%)</b>	0.5								
<b>Length (ft)</b>	48	<b>Bankfull Width (ft)</b>	9.3								
<b>Width (in)</b>	48	<b>Bankfull:Culvert Ratio</b>	0.4								
<b>Height (in)</b>	48										
<b>Outlet Perch (ft)</b>	Not measurable										
<b>Slope (%)</b>	0.2										
<b>Rustline Height (in)</b>	34										
<b>Overall Condition</b>	Fair										
PRIORITIZATION ANALYSIS											
<b>Upstream Habitat Length (mi)</b>	0.9	<b>Habitat Points</b>	2								
<b>Habitat Quality</b>	Fair	<b>Habitat Quality Points</b>	2								
<b>Fish Species</b>	Anad.	<b>Fish Points</b>	3								
<b>Barrier Class</b>	Gray	<b>Barrier Points</b>	2								
		<b>Prioritization Total Points</b>	9								
<b>Notes:</b> Outlets directly into bay.											



Inlet



Outlet

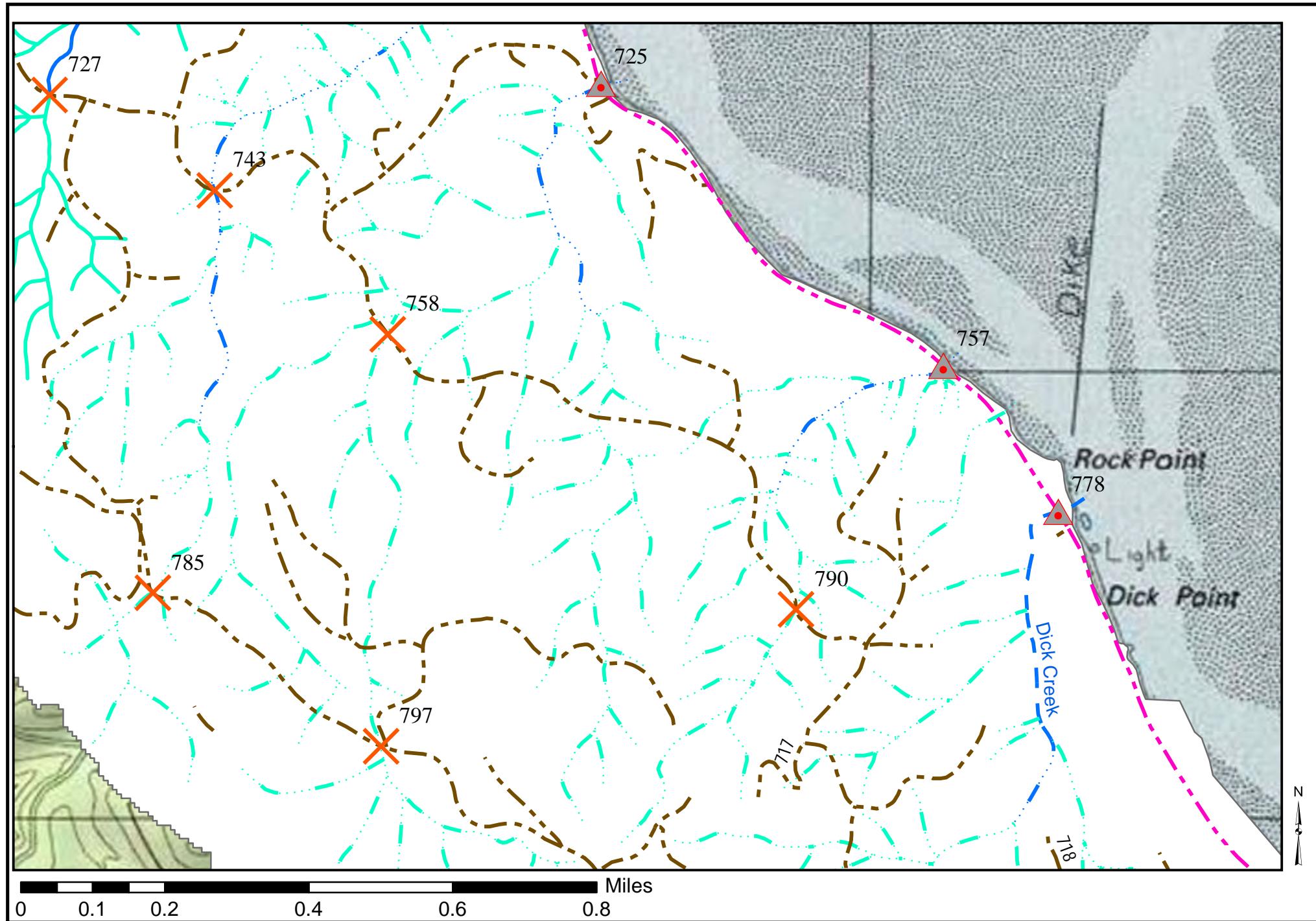
LOCATION INFO			Culvert #	689	Priority	H
Watershed		Tillamook Bay				
Stream Name		Flower Pot Creek				
Township-Range-Section-1/4		T1S, R10W, Sec. 8, SW $\frac{1}{4}$ of SE $\frac{1}{4}$				
UTM Easting/Northing (Zone 10, NAD 1983)		427301/5038583				
Road Name		Bayocean Road				
Road/Culvert Owner		Tillamook County				
Adjacent Landowners		Tillamook County				
CULVERT INFO		CHANNEL INFO				
Shape	Circular	Inlet Gradient (%)	0.2			
Material	Concrete	Upstream Gradient (%)	0.5			
Length (ft)	56	Bankfull Width (ft)	12.7			
Width (in)	48	Bankfull:Culvert Ratio	0.3			
Height (in)	48					
Outlet Perch (ft)	Not measurable					
Slope (%)	0.7					
Rustline Height (in)	36					
Overall Condition	Fair					
PRIORITIZATION ANALYSIS						
Upstream Habitat Length (mi)	1.4	Habitat Points	3			
Habitat Quality	Fair	Habitat Quality Points	2			
Fish Species	Anad.	Fish Points	3			
Barrier Class	Gray	Barrier Points	2			
		Prioritization Total Points	10			
Notes: Outlets directly into bay.						



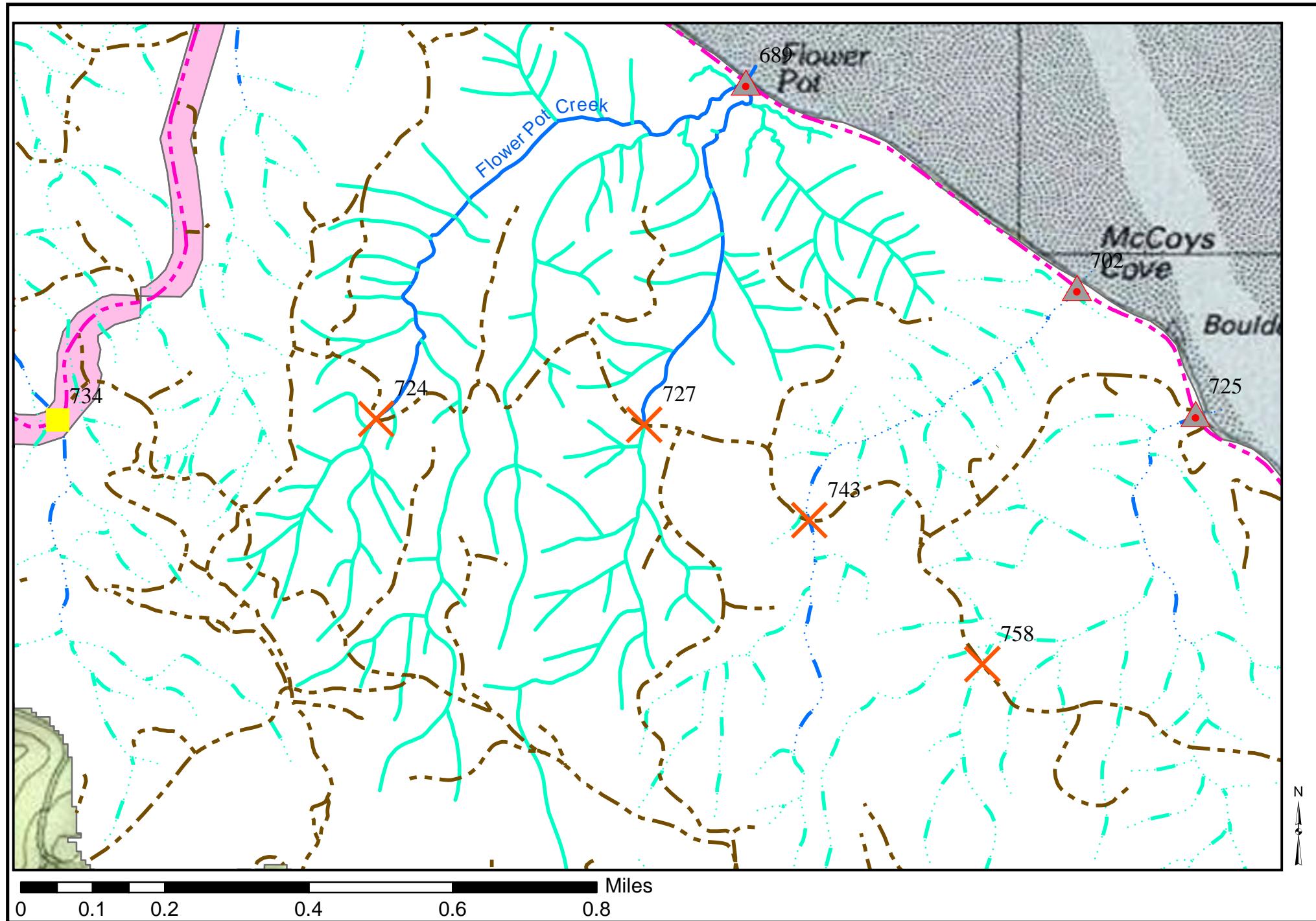
Inlet



Outlet



Southeast Bayocean Road Culverts, Tillamook Bay Tributaries



Northwest Bayocean Road Culverts, Tillamook Bay Tributaries

## CAPE MEARES AREA CULVERTS

LOCATION INFO				Culvert #	675	Priority	L
Watershed		Tillamook Bay					
Stream Name		Coleman Creek					
Township-Range-Section-1/4		T1S, R10W, Sec. 7, SE $\frac{1}{4}$ of NW $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		425267/5039131					
Road Name		5 <sup>th</sup> Street					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Tillamook County					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	---				
Material	Plastic	Upstream Gradient (%)	---				
Length (ft)	50	Bankfull Width (ft)	---				
Width (in)	42	Bankfull:Culvert Ratio	---				
Height (in)	42	---					
Outlet Perch (ft)	Not measurable	---					
Slope (%)	6.1	---					
Rustline Height (in)	Unknown	---					
Overall Condition	Fair	---					
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.0	Habitat Points	2				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Resident	Fish Points	2				
Barrier Class	Gray	Barrier Points	2				
		Prioritization Total Points	8				



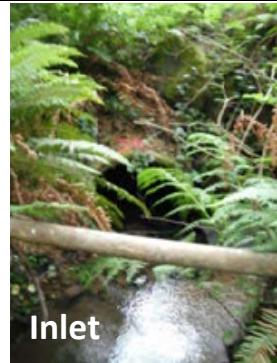
Inlet-upstream



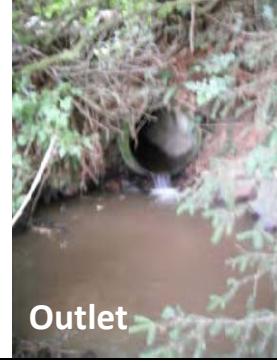
Outlet-downstream

Notes: Outlets directly into Cape Meares Lake.

LOCATION INFO				Culvert #	686	Priority	M
Watershed		Tillamook Bay					
Stream Name		Coleman Creek					
Township-Range-Section-1/4		T1S, R10W, Sec. 7, NW $\frac{1}{4}$ of SE $\frac{1}{4}$					
UTM Easting/Northing (Zone 10, NAD 1983)		425312/5038726					
Road Name		Pacific Avenue					
Road/Culvert Owner		Cape Meares					
Adjacent Landowners		C.&S. Overstreet and C. Friedman					
CULVERT INFO				CHANNEL INFO			
Shape	Circular	Inlet Gradient (%)	14.1				
Material	Concrete	Upstream Gradient (%)	7.3				
Length (ft)	39	Bankfull Width (ft)	6.4				
Width (in)	36	Bankfull:Culvert Ratio	0.5				
Height (in)	36	---					
Outlet Perch (ft)	2.1	---					
Slope (%)	3.1	---					
Rustline Height (in)	6	---					
Overall Condition	Fair	---					
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.7	Habitat Points	2				
Habitat Quality	Fair	Habitat Quality Points	2				
Fish Species	Resident	Fish Points	2				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	9				

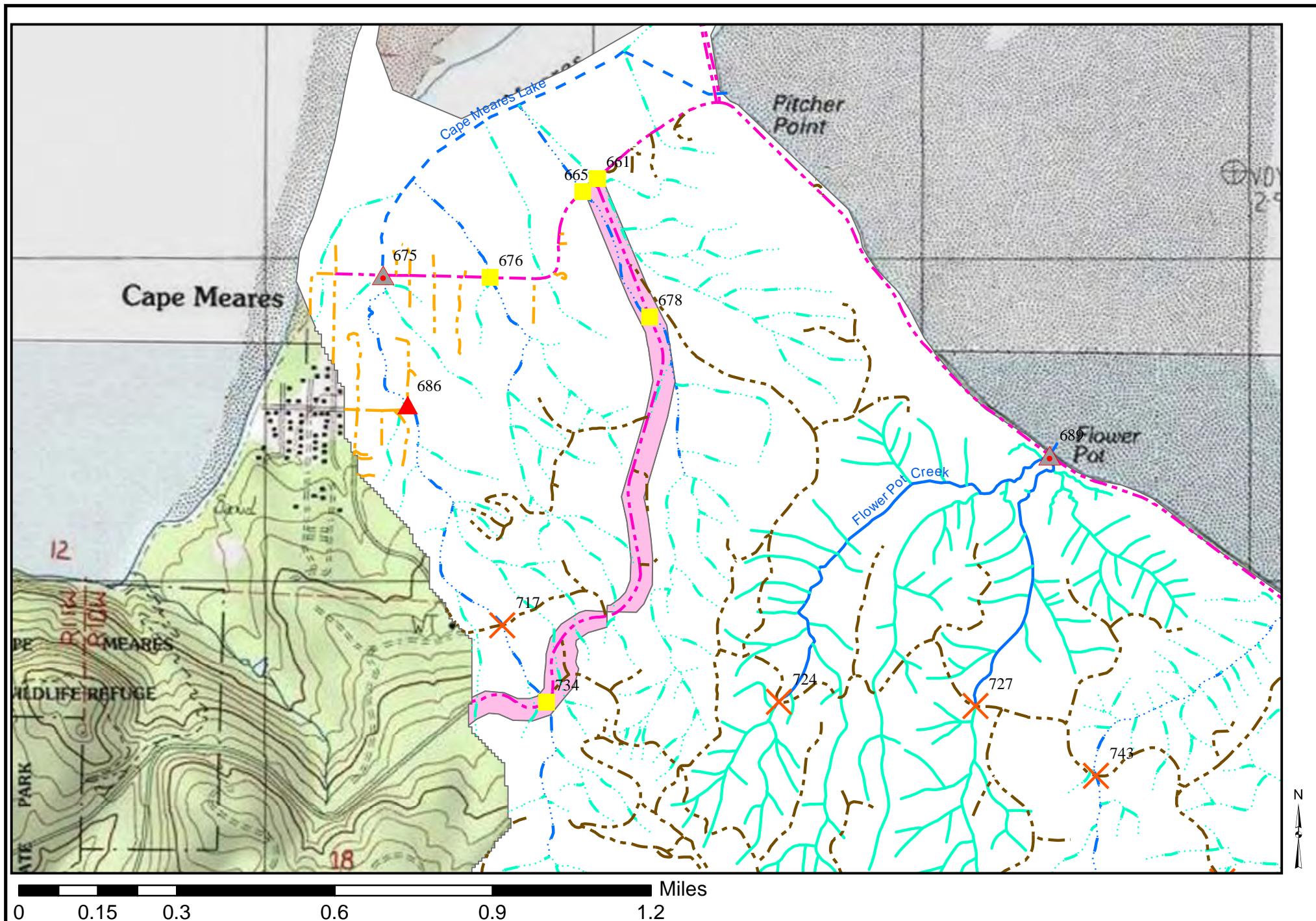


Inlet



Outlet

Notes:



Cape Meares Area Culverts, Tillamook Bay Tributaries