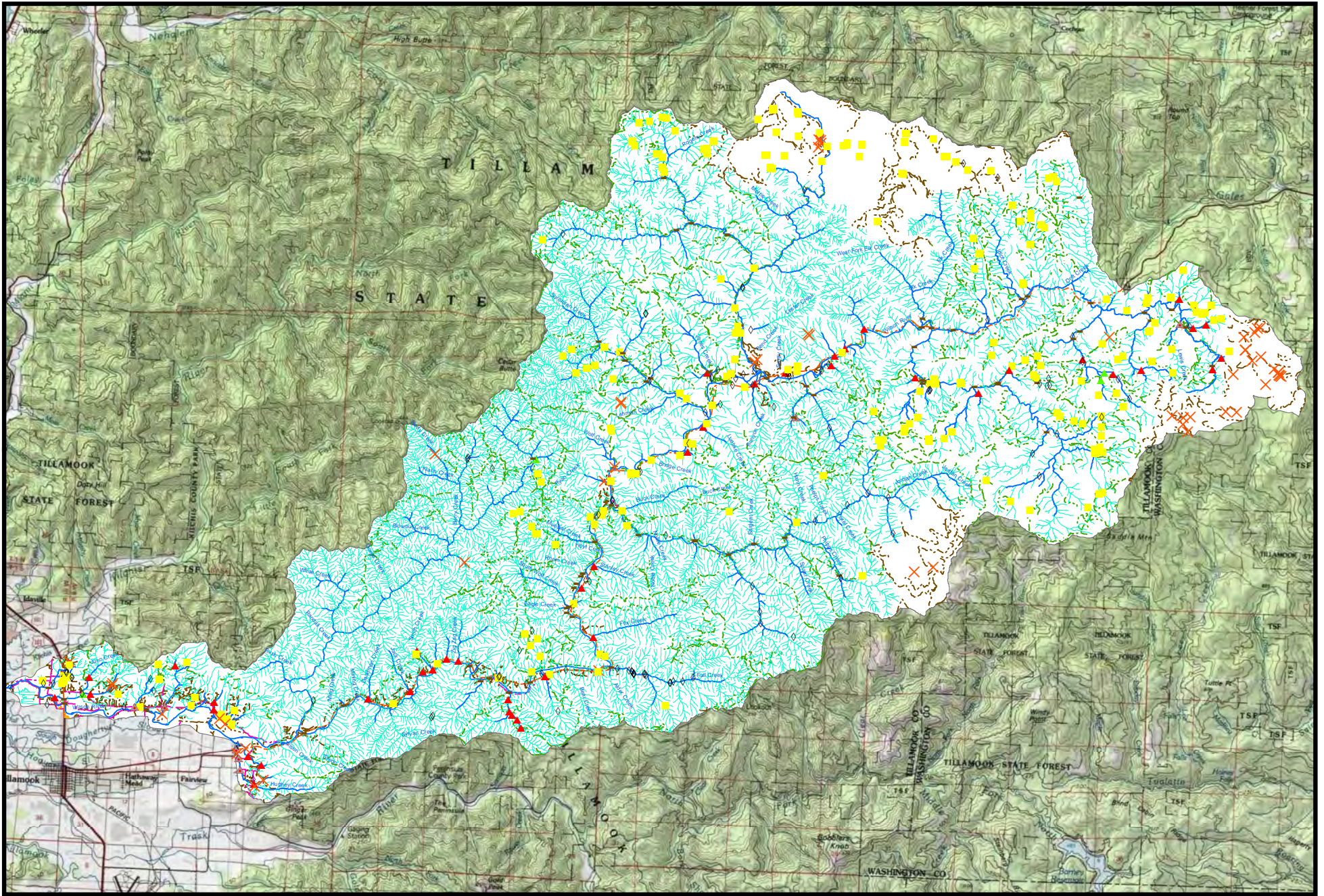

**Wilson River Basin
Culverts**



0 1 2 4 6 8 Miles



Wilson Basin Crossings



Wilson River Basin Clusters



Cluster	Culvert Numbers	Priority	Stream	Upstream Habitat
Juno Creek	792	H	Juno Creek	2.3
	781	N/A	Juno Creek	
	755	L	Juno Creek	
	780	L	Unnamed tributary	
Sollie Smith Area	5306	M	Yankee Branch	3.2
	814	H	Beaver Creek	
	735	L	Unnamed tributary	
	803	L	Unnamed tributary	
	788	L	Unnamed tributary	
Hughey Creek	898	?	Hughey Creek	2.8
	900	?	Hughey Creek	
	901	M	Hughey Creek	
	910	H	Hughey Creek	
Donaldson Creek	877	L	Donaldson Creek	0.3
	881	L	Donaldson Creek	
Little N.F. Wilson River Area	465	N/A	Unnamed tributary	0.5
Jack Creek Area	775	M	Hatchery Creek	1.8
	760	M	Jack Creek	
Smith Creek Area	722	L	Unnamed tributary	2.9
	713	M	Smith Creek	
	693	L	Smith Creek	
	696	L	Fern Creek	
	697	H	Zig Zag Creek	
Kansas Creek Area	762	L	Unnamed tributary	0.9
	799	L	Unnamed tributary	
	798	L	Kansas Creek	
	822	L	Kansas Creek	
	823	L	Kansas Creek	
Bear Creek Area	723	L	Unnamed tributary	0.5
Fox Creek	667	H	Fox Creek	2.0
Stanley Creek Area	604	L	Unnamed tributary	0.9
	584	M	Stanley Creek	
Hoskin and Luebke creeks	447	L	Hoskins Creek	0.8
	405	M	Luebke Creek	


Lees Camp Area	304	L	Unnamed tributary	2.1
	333	H	Runyon Creek	
	305	H	Scotty Creek	
	388	L	Unnamed tributary	
Dog Creek Area	268	L	Moore Creek	2.1
	240	L	Unnamed tributary	
	227	L	Unnamed tributary	
	199	H	Dog Creek	
S.F. Wilson River Tributaries	300	L	Unnamed tributary	0.6
	356	L	Unnamed tributary	
	261	L	Unnamed tributary	
Elliot Creek Area	231	H	Elliot Creek	3.3
	265	L	Elliot Creek	
	266	M	Elliot Creek	
	299	L	Unnamed tributary	
Devils Lake Fork Tributaries	249	H	Deyoe Creek	3.9
	202	H	Lewis Creek	
	150	L	Unnamed tributary	
	178	H	Unnamed tributary	
	176	M	Unnamed tributary	
	222	M	Unnamed tributary	
	246	L	Unnamed tributary	

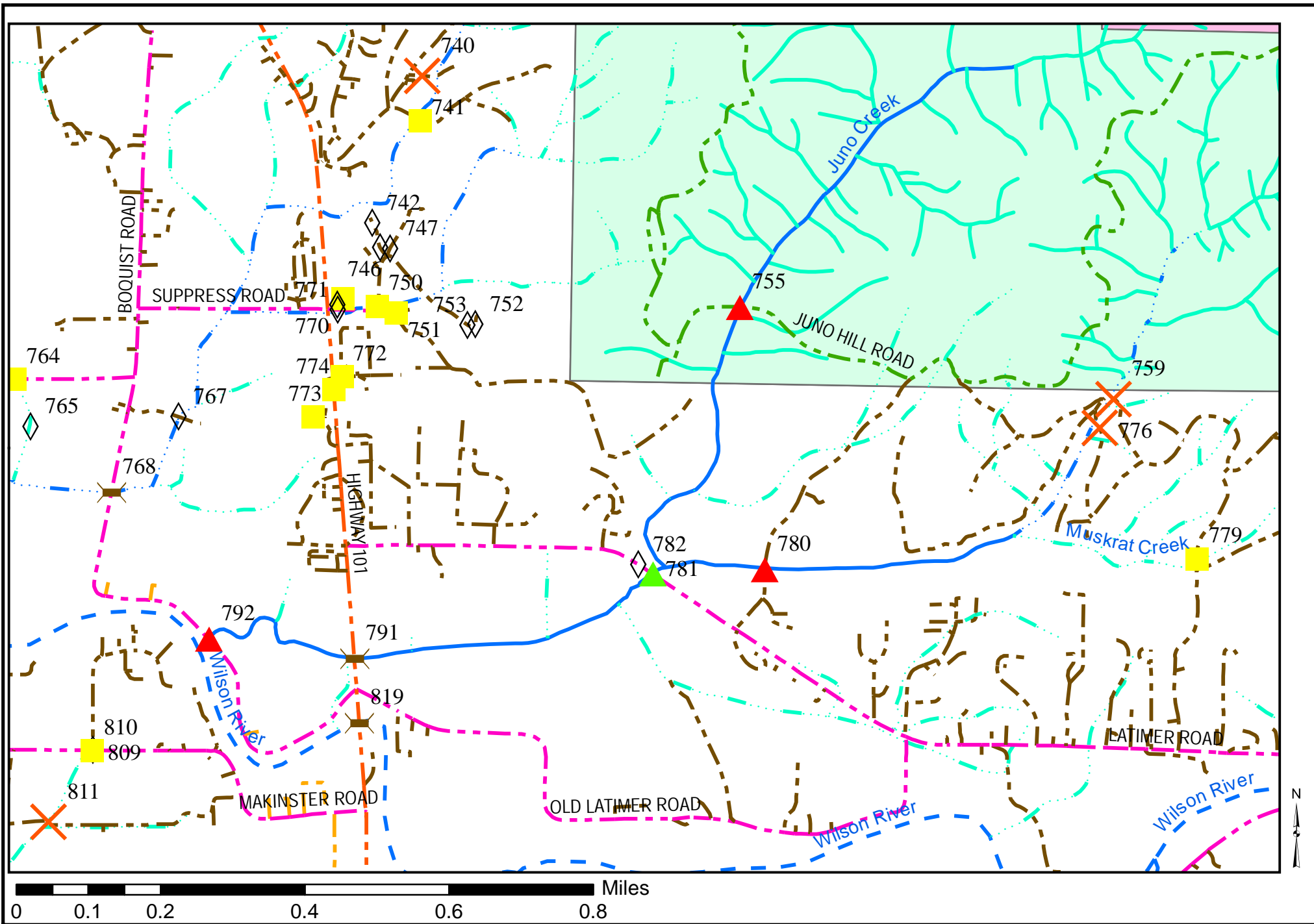
JUNO CREEK CULVERTS

LOCATION INFO				Culvert #	792	Priority	H
Watershed		Wilson River		 <p style="text-align: center;">Inlet</p>  <p style="text-align: center;">Barrel</p>			
Stream Name		Juno Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 13, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		433660/5036608					
Road Name		Boquist Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		L. & G. Edwards					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	7.0				
Material	Concrete	Upstream Gradient (%)	4.0				
Length (ft)	Unable to measure	Bankfull Width (ft)	8.8				
Width (in)	48	Bankfull:Culvert Ratio	0.5				
Height (in)	48	This culvert has a tidegate on its outlet. It is visible in the barrel photo.					
Outlet Perch (ft)	Unable to measure						
Gradient (%)	6.0						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.3	Habitat Points	4				
Habitat Quality	Poor/Fair	Habitat Quality Points	1.5				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	11.5				
Notes: Culvert outlets into mainstem Wilson River. The reach between this pipe and 781 is poor quality habitat passing through agricultural land and a golf course. Above 781, conditions improve. The habitat quality score for this culvert reflects this dichotomy.							

LOCATION INFO				Culvert #	781	Priority	NA
Watershed		Wilson River		 <p style="text-align: center;">Inlet</p>  <p style="text-align: center;">Outlet</p>			
Stream Name		Juno Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 18, NE¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		434655/5036763					
Road Name		Latimer Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		Tillamook Co., Victor Dairy, TCCA					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	28.3				
Material	Corrugated metal	Upstream Gradient (%)	2.5				
Length (ft)	84	Bankfull Width (ft)	5.0				
Width (in)	108	Bankfull:Culvert Ratio	1.8				
Height (in)	108	This culvert has a tidegate on its outlet. It is visible in the barrel photo.					
Outlet Perch (ft)	0.1						
Gradient (%)	2.3						
Rustline Height (in)	48						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.6	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: Although the channel immediately upstream of this pipe is rather narrow, this is somewhat misleading because the upstream side of this pipe is a several acre wetland area with numerous small channels and other open water areas. As a result, the amount of water conveyed by this pipe is often greater than what one would expect from a 5 ft channel.							



LOCATION INFO				Culvert #	755	Priority	L
Watershed				Wilson River			
Stream Name				Juno Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 7, SE¼ of NE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				434841/5037351			
Road Name				Juno Hill Road			
Road/Culvert Owner				Oregon Department of Forestry			
Adjacent Landowners				Oregon Department of Forestry			
CULVERT INFO		CHANNEL INFO		 			
Shape	Circular	Inlet Gradient (%)	6.0				
Material	Corrugated metal	Upstream Gradient (%)	<1.0				
Length (ft)	50	Bankfull Width (ft)	N/A				
Width (in)	42	Bankfull:Culvert Ratio	N/A				
Height (in)	42	Culvert drains a large wetland with a complex channel system so no upstream bankfull measurements were obtained. However, pipe is clearly undersized.					
Outlet Perch (ft)	0.1						
Gradient (%)	3.2						
Rustline Height (in)	Entire pipe rusted						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes:							



LOCATION INFO				Culvert #	780	Priority	L
Watershed				Wilson River			
Stream Name				Unnamed tributary of Juno Creek			
Township-Range-Section-1/4				T1S, R9W, Sec. 18, SW¼ of SE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				434906/5036782			
Road Name				Unnamed private drive			
Road/Culvert Owner				TCCA			
Adjacent Landowners				TCCA			
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	1.6				
Material	Corrugated metal	Upstream Gradient (%)	<1.0				
Length (ft)	29	Bankfull Width (ft)	4.6				
Width (in)	30	Bankfull:Culvert Ratio	0.6				
Height (in)	30	Large wetland complex on both sides of pipe.					
Outlet Perch (ft)	0.8						
Gradient (%)	6.1						
Rustline Height (in)	24						
Overall Condition	Critical						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.9	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: Large portions of the bottom of the pipe worn through.							

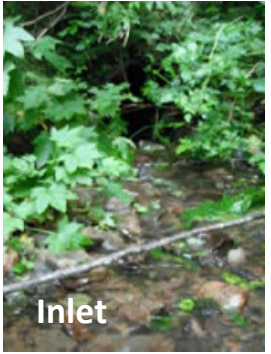





Juno Creek Culverts, Wilson River Basin



SOLLIE SMITH ROAD AREA CULVERTS

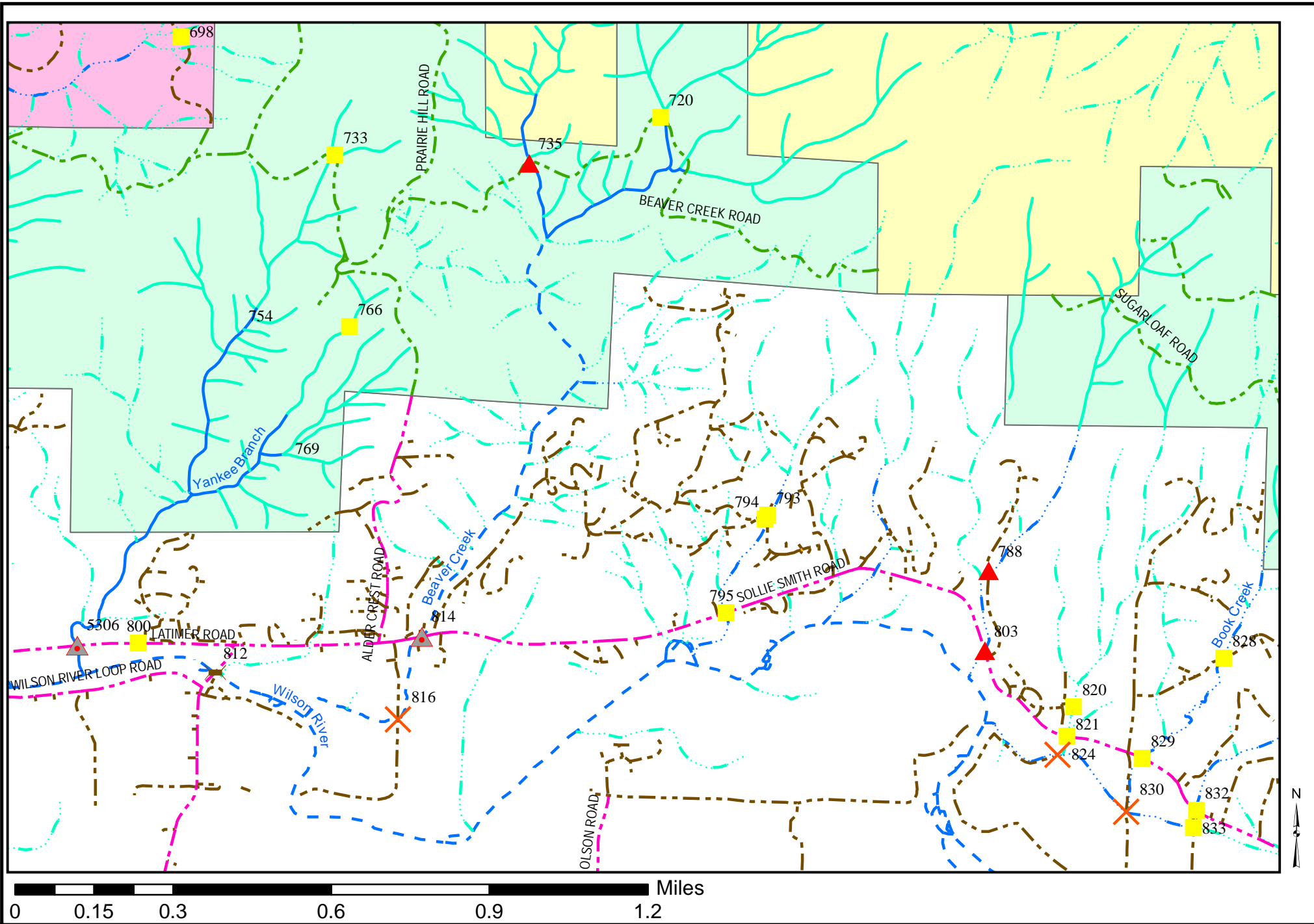
LOCATION INFO				Culvert #	5306	Priority	M
Watershed		Wilson River		 <p>Inlet</p>  <p>Outlet - downstream</p>			
Stream Name		Yankee Branch					
Township-Range-Section-1/4		T1S, R9W, Sec. 20, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		436467/5036370					
Road Name		Latimer Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	21.6				
Material	Corrugated metal	Upstream Gradient (%)	1.1				
Length (ft)	87	Bankfull Width (ft)	3.8				
Width (in)	36	Bankfull:Culvert Ratio	0.8				
Height (in)	36						
Outlet Perch (ft)	None						
Gradient (%)	-1.0						
Rustline Height (in)	Entire pipe rusted						
Overall Condition	Fair						
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 Class	Gray	Barrier Points	2				
		Prioritization Total Points	10				
<p>Notes: Outlet area heavily impacted by livestock use. A small overflow pipe was approx. 2 ft above this pipe. The overflow pipe appears to occasionally carry flows, suggesting that the main pipe is inadequately sized for fish passage and stream processes (despite being rated green by the barrier model). Based on this additional information, we rated this pipe a partial barrier to juvenile passage.</p>							

LOCATION INFO				Culvert #	814	Priority	H
Watershed		Wilson River		 <p>Inlet</p>  <p>Outlet</p>			
Stream Name		Beaver Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 16, SW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		437528/5036405					
Road Name		Sollie Smith Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		D. Barker and L. Maynock					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	19.6				
Material	Concrete	Upstream Gradient (%)	4.4				
Length (ft)	104	Bankfull Width (ft)	8.0				
Width (in)	48	Bankfull:Culvert Ratio	0.5				
Height (in)	48						
Outlet Perch (ft)	None						
Gradient (%)	2.6						
Rustline Height (in)	N/A						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.6	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>Notes:</p>							

LOCATION INFO				Culvert #	735	Priority	L
Watershed		Wilson River		 			
Stream Name		Unnamed tributary of Beaver Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 16, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		437842/5037849					
Road Name		Beaver Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	8.0				
Material	Corrugated metal	Upstream Gradient (%)	7.0				
Length (ft)	86	Bankfull Width (ft)	8.1				
Width (in)	42	Bankfull:Culvert Ratio	0.4				
Height (in)	42						
Outlet Perch (ft)	4.0						
Gradient (%)	11.0						
Rustline Height (in)	19						
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:							



LOCATION INFO				Culvert #	803	Priority	L
Watershed		Wilson River		 			
Stream Name		Unnamed tributary of Wilson River					
Township-Range-Section-1/4		T1S, R9W, Sec. 22, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439248/5036338					
Road Name		Sollie Smith Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		J. & G. Ficher					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	13.0				
Material	Concrete	Upstream Gradient (%)	11.0				
Length (ft)	60	Bankfull Width (ft)	10.9				
Width (in)	36	Bankfull:Culvert Ratio	0.3				
Height (in)	36						
Outlet Perch (ft)	0.2						
Gradient (%)	14.0						
Rustline Height (in)	N/A						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							



LOCATION INFO				Culvert #	788	Priority	L
Watershed		Wilson River					
Stream Name		Unnamed tributary of Wilson River					
Township-Range-Section-1/4		T1S, R9W, Sec. 22, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		439249/5036600					
Road Name		Sollie Smith Road					
Road/Culvert Owner		Shirhar Farms					
Adjacent Landowners		Shirhar Farms					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	17.0				
Material	Corrugated metal	Upstream Gradient (%)	6.0				
Length (ft)	63	Bankfull Width (ft)	4.8				
Width (in)	24	Bankfull:Culvert Ratio	0.4				
Height (in)	24						
Outlet Perch (ft)	0.8						
Gradient (%)	7.0						
Rustline Height (in)	4						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
Notes:							







Sollie Smith Road Area Culverts, Wilson River Basin

HUGHEY CREEK CULVERTS



LOCATION INFO				Culvert #	898	Priority	?
Watershed		Wilson River		 <p style="text-align: center; font-weight: bold;">Inlet - upstream</p>			
Stream Name		Hughey Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 22, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		440083/5034989					
Road Name		Highway 6					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		V. Lucas and D. Lucas					
CULVERT INFO		CHANNEL INFO		 <p style="text-align: center; font-weight: bold;">Outlet - downstream</p>			
Shape	Box	Inlet Gradient (%)	unk				
Material	Concrete	Upstream Gradient (%)	unk				
Length (ft)	unknown	Bankfull Width (ft)	unk				
Width (in)	unknown	Bankfull:Culvert Ratio	unk				
Height (in)	unknown	Unable to access private property where inlet and outlet were located. As a result, no data was collected and only upstream and downstream photos were taken.					
Outlet Perch (ft)	unknown						
Gradient (%)	unknown						
Rustline Height (in)	unknown						
Overall Condition	unknown						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.8	Habitat Points	4				
Habitat Quality	Poor(+)	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Unk.	Barrier Points	?				
		Prioritization Total Points	8+				
Notes: Culvert appears to be an adequately sized concrete box. For analysis purposes, we assumed a partial barrier for Barrier Class Points.							



LOCATION INFO				Culvert #	900	Priority	?
Watershed		Wilson River		 <p style="text-align: center; font-weight: bold;">Inlet - upstream</p>			
Stream Name		Hughey Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 22, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		440177/5034672					
Road Name		Fairview Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		V. Lucas and D. Lucas					
CULVERT INFO		CHANNEL INFO		 <p style="text-align: center; font-weight: bold;">Outlet - downstream</p>			
Shape	Circular	Inlet Gradient (%)	unk				
Material	Corrugated metal	Upstream Gradient (%)	unk				
Length (ft)	unknown	Bankfull Width (ft)	unk				
Width (in)	unknown	Bankfull:Culvert Ratio	unk				
Height (in)	unknown	Unable to access private property where inlet and outlet were located. As a result, no data was collected and only upstream and downstream photos were taken.					
Outlet Perch (ft)	unknown						
Gradient (%)	unknown						
Rustline Height (in)	unknown						
Overall Condition	unknown						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	2.6	Habitat Points	4				
Habitat Quality	Poor(+)	Habitat Quality Points	1				
Fish Species	Anad.	Fish Points	3				
Barrier Class	Unk.	Barrier Points	?				
		Prioritization Total Points	8+				
Notes: Crossing 899 is located between 898 and 900. We were denied permission to access 899 and were unable to observe the crossing remotely.							

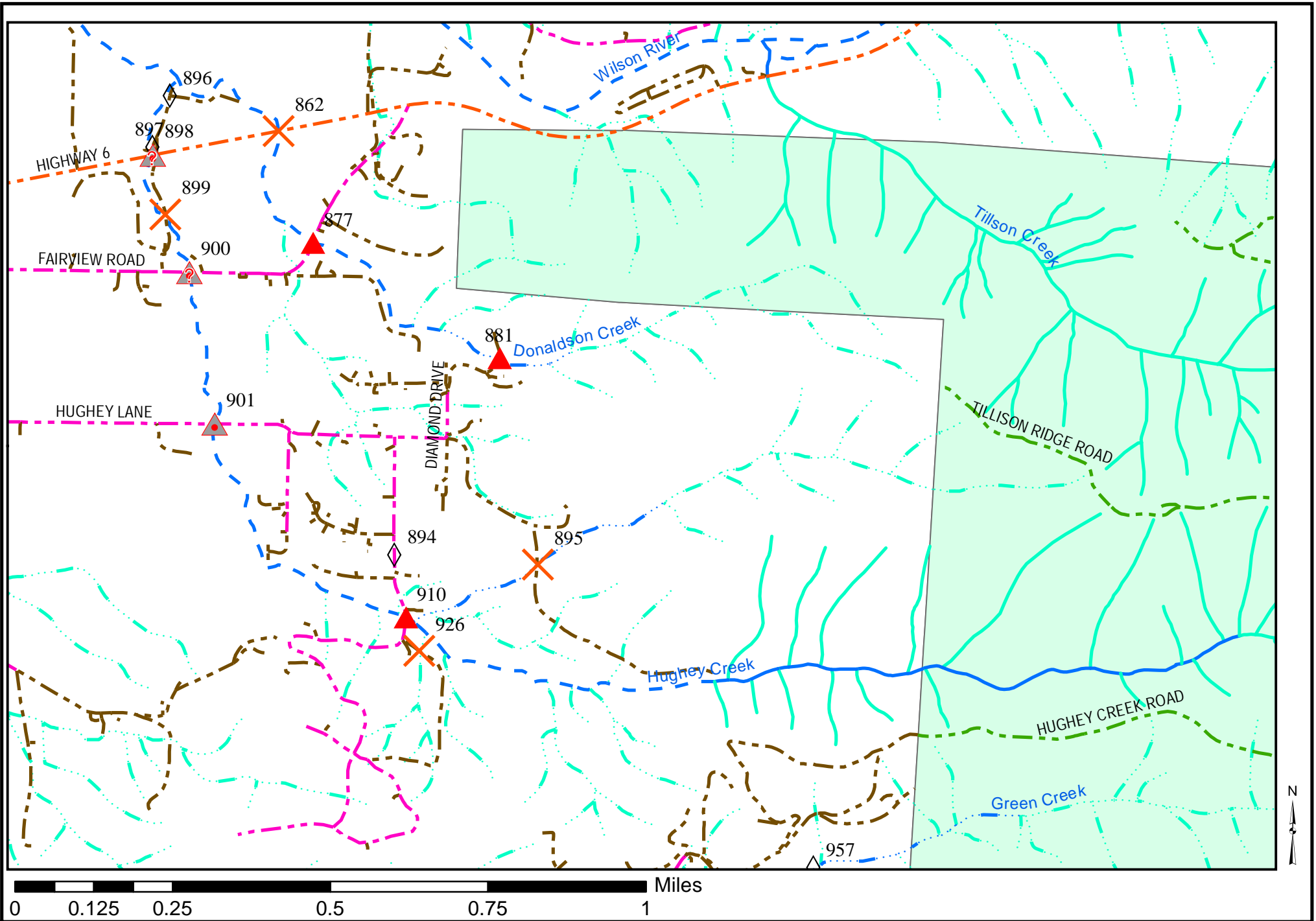
LOCATION INFO				Culvert #	901	Priority	M				
Watershed		Wilson River									
Stream Name		Hughey Creek									
Township-Range-Section-1/4		T1S, R9W, Sec. 27, NE¼ of NE¼									
UTM Easting/Northing (Zone 10, NAD 1983)		440230/5034296									
Road Name		Hughey Lane									
Road/Culvert Owner		Tillamook County									
Adjacent Landowners		A. & J. Widmer and G. Hodgdon									
CULVERT INFO		CHANNEL INFO									
Shape	Circular	Inlet Gradient (%)	5.5								
Material	Corrugated metal	Upstream Gradient (%)	5.5								
Length (ft)	70	Bankfull Width (ft)	7.0								
Width (in)	72	Bankfull:Culvert Ratio	0.9								
Height (in)	48*	*Couldn't find bottom of pipe under sediment.									
Outlet Perch (ft)	None										
Gradient (%)	3.5										
Rustline Height (in)	18										
Overall Condition	Fair										
PRIORITIZATION ANALYSIS											
Upstream Habitat Length (mi)	2.3	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: Culvert approximately 1/3 full of sediment.											

LOCATION INFO				Culvert #	910	Priority	H				
Watershed		Wilson River									
Stream Name		Hughey Creek									
Township-Range-Section-1/4		T1S, R9W, Sec. 26, NW¼ of SW¼									
UTM Easting/Northing (Zone 10, NAD 1983)		440715/5033783									
Road Name		Marvin Lane									
Road/Culvert Owner		Tillamook County									
Adjacent Landowners		E. & W. Meyer, J. Main, R. & D. Steel									
CULVERT INFO		CHANNEL INFO									
Shape	Pipe arch	Inlet Gradient (%)	15.5								
Material	Corrugated metal	Upstream Gradient (%)	4.9								
Length (ft)	45	Bankfull Width (ft)	7.2								
Width (in)	96	Bankfull:Culvert Ratio	1.1								
Height (in)	72	A large slab of concrete was located in the stream channel at inlet. This resulted in an ~ 2 ft cascade into pipe.									
Outlet Perch (ft)	None										
Gradient (%)	6.7										
Rustline Height (in)	12										
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 Class	Red	Barrier Points	3								
		Prioritization Total Points	12								
Notes: Barrier rating based on concrete blocking inlet and the steep pipe gradient and lack of natural substrate through pipe.											

DONALDSON CREEK CULVERTS



LOCATION INFO				Culvert #	877	Priority	L
Watershed		Wilson River					
Stream Name		Donaldson Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 23, SW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		440491/5034773					
Road Name		Fairview Road					
Road/Culvert Owner		Tillamook County					
Adjacent Landowners		D. Neal, A. & J. Widmer, and J. & E. Cummings					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	61.5				
Material	Corrugated metal	Upstream Gradient (%)	2.6				
Length (ft)	69	Bankfull Width (ft)	6.5				
Width (in)	36	Bankfull:Culvert Ratio	0.5				
Height (in)	36						
Outlet Perch (ft)	2.1						
Gradient (%)	4.4						
Rustline Height (in)	18						
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				
<p>Notes: Crossing 862 was located downstream of this crossing. We did not have permission to access 862 and could not adequately observe it from Highway 6 to determine what type of pipe occurs there, its condition, or its potential to impede passage.</p>							

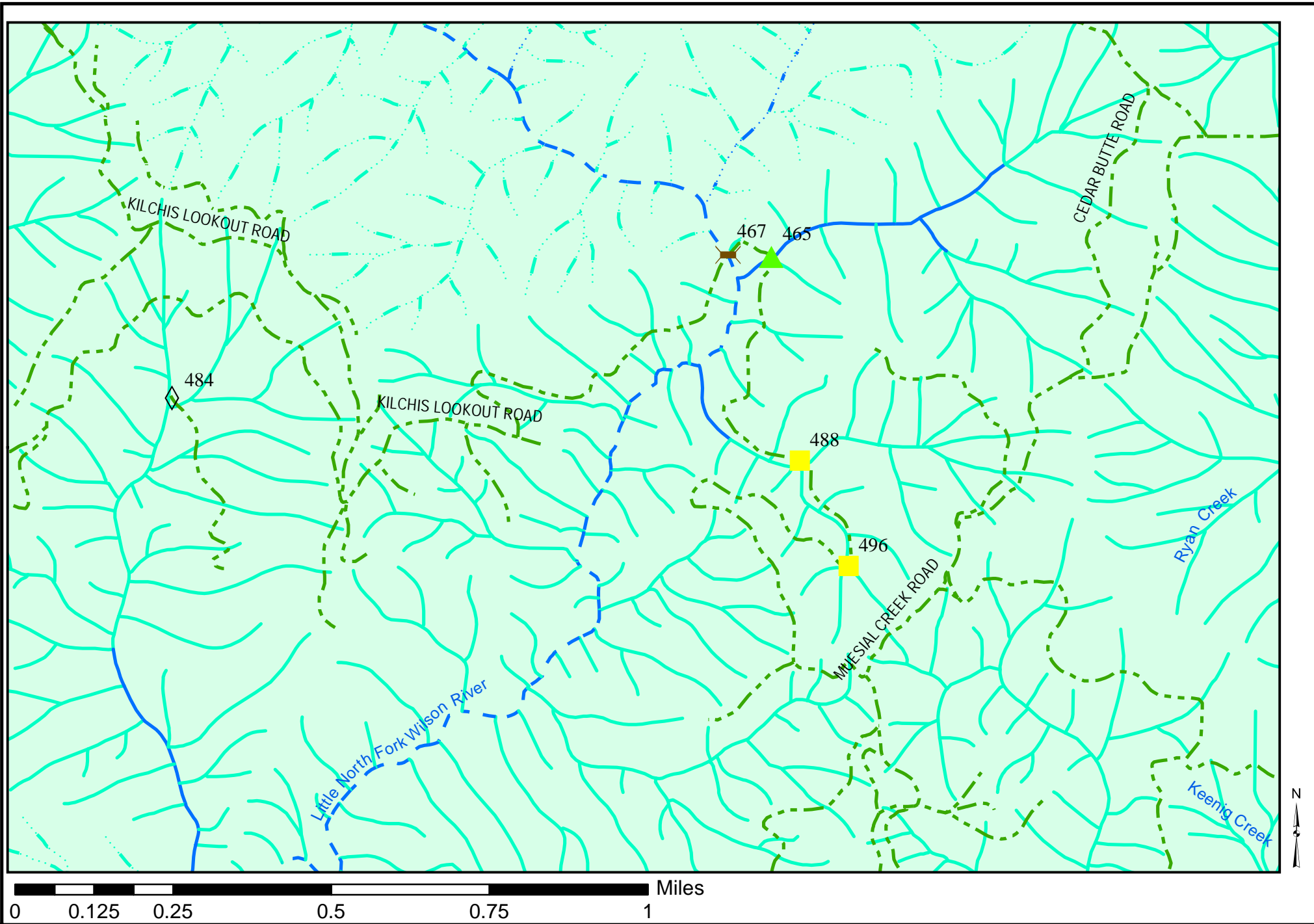
LOCATION INFO				Culvert #	881	Priority	L
Watershed		Wilson River					
Stream Name		Donaldson Creek					
Township-Range-Section-1/4		T1S, R9W, Sec. 23, SW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		440956/5034462					
Road Name		Private Drive					
Road/Culvert Owner		H. & J. Gollon					
Adjacent Landowners		H. & J. Gollon					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	3.1				
Material	Plastic	Upstream Gradient (%)	4.1				
Length (ft)	34	Bankfull Width (ft)	5.1				
Width (in)	18	Bankfull:Culvert Ratio	0.3				
Height (in)	18						
Outlet Perch (ft)	5.7						
Gradient (%)	4.4						
Rustline Height (in)	18						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	8				
<p>Notes:</p>							



Hughey Creek and Donaldson Creek Culverts, Wilson River Basin



LITTLE NORTH FORK WILSON RIVER AREA CULVERT

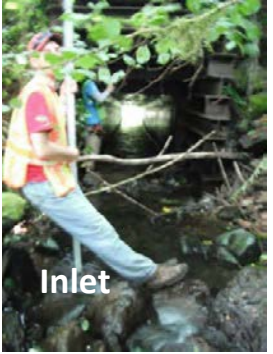
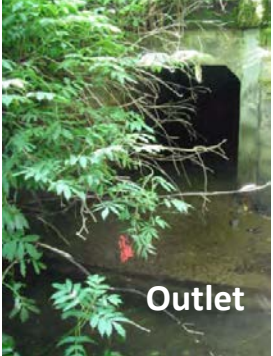
LOCATION INFO				Culvert #	465	Priority	NA
Watershed		Wilson River		 			
Stream Name		Unnamed tributary of Little N. Fork Wilson River					
Township-Range-Section-1/4		T1N, R8W, Sec. 23, NW¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		450253/5045470					
Road Name		Kilchis Lookout Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe arch	Inlet Gradient (%)	3.1				
Material	Corrugated metal	Upstream Gradient (%)	6.2				
Length (ft)	74	Bankfull Width (ft)	8.3				
Width (in)	162	Bankfull:Culvert Ratio	1.6				
Height (in)	102						
Outlet Perch (ft)	None						
Gradient (%)	2.4						
Rustline Height (in)	10						
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	Green	Barrier Points	1				
		Prioritization Total Points	7				
<p>Notes: It is possible that anadromous fish cannot make it to this point due to natural barriers. However, based on juvenile survey data, it appears that steelhead are capable of negotiating most known barriers below this point, so we elected to consider this reach as having anadromous potential.</p>							

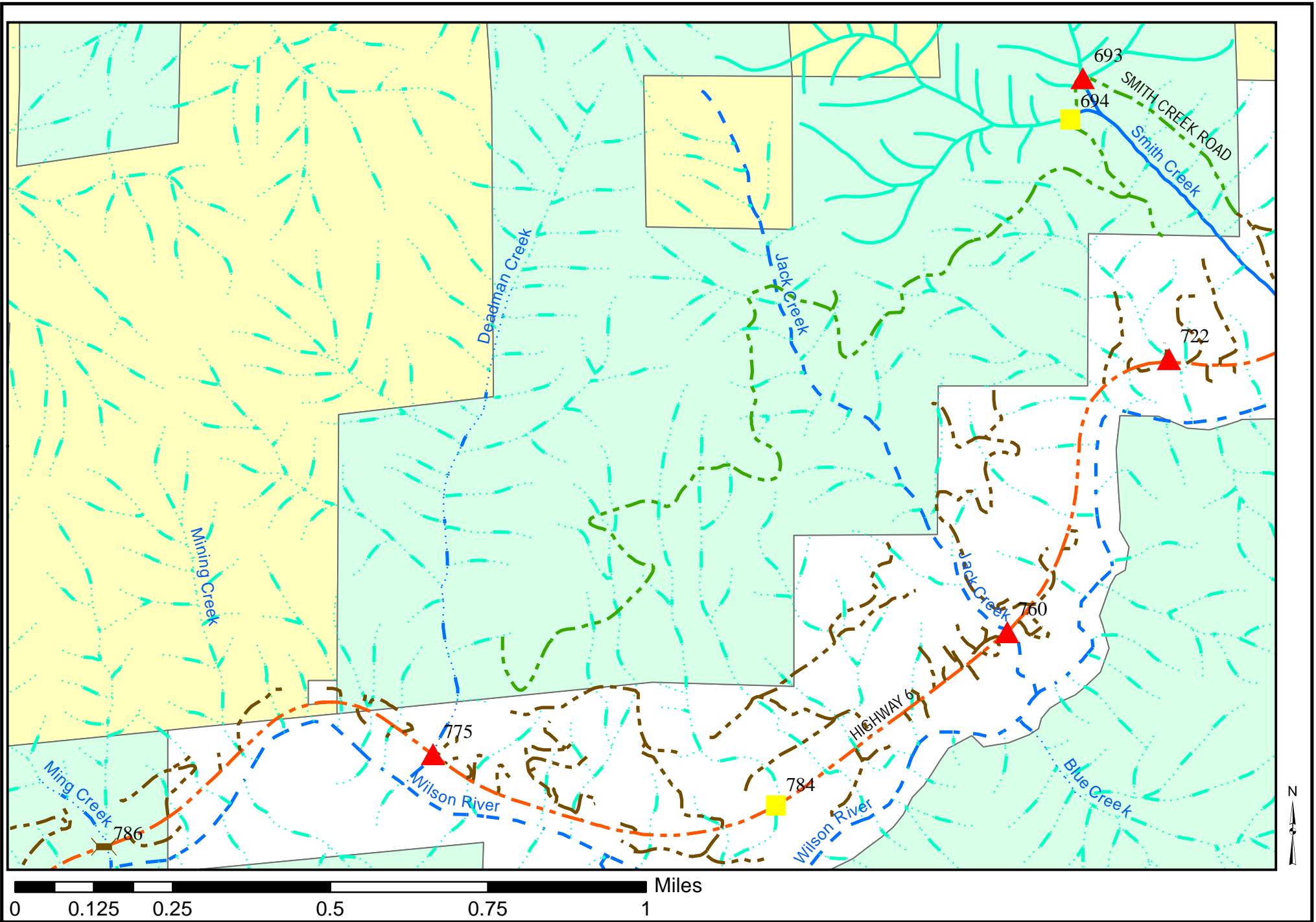


Upper Little North Fork Wilson River Area Culverts, Wilson River Basin

JACK CREEK AREA CULVERTS

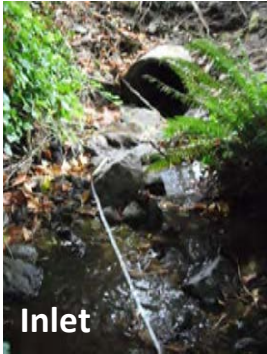

LOCATION INFO				Culvert #	775	Priority	M
Watershed		Wilson River					
Stream Name		Hatchery Creek (also listed as Deadman Creek)					
Township-Range-Section-1/4		T1S, R8W, Sec. 18, NW¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		444613/5036903					
Road Name		Highway 6					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		J.&L. Tolbert, R. Hildebrant, N.&J. Keister					
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	7.0				
Material	Concrete	Upstream Gradient (%)	6.0				
Length (ft)	75	Bankfull Width (ft)	6.3				
Width (in)	60	Bankfull:Culvert Ratio	0.8				
Height (in)	60						
Outlet Perch (ft)	None						
Gradient (%)	5.0						
Rustline Height (in)	N/A						
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				
<p>Notes: Topography and obstacles precluded use of surveying level on this culvert. Unable to determine if outlet is perched. Trash rack at inlet. Culvert overly steep and lacks natural substrate.</p>							



LOCATION INFO				Culvert #	760	Priority	M
Watershed		Wilson River					
Stream Name		Jack Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 8, SW¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		446088/5037216					
Road Name		Highway 6					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		P.J. Sager					
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	12.0				
Material	Concrete	Upstream Gradient (%)	11.0				
Length (ft)	97	Bankfull Width (ft)	6.4				
Width (in)	60	Bankfull:Culvert Ratio	0.8				
Height (in)	60						
Outlet Perch (ft)	Unknown						
Gradient (%)	7.0						
Rustline Height (in)	N/A						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	10				
<p>Notes: Topography and obstacles precluded use of surveying level on this culvert. Unable to determine if outlet is perched. Trash rack at inlet. Culvert overly steep and lacks natural substrate.</p>							


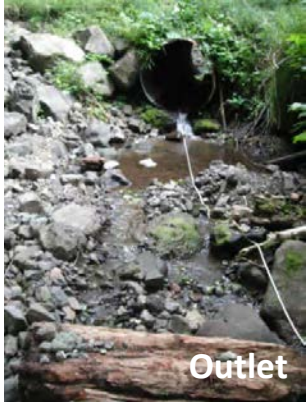




Jack Creek Area Culverts, Wilson River Basin



SMITH CREEK AREA CULVERTS

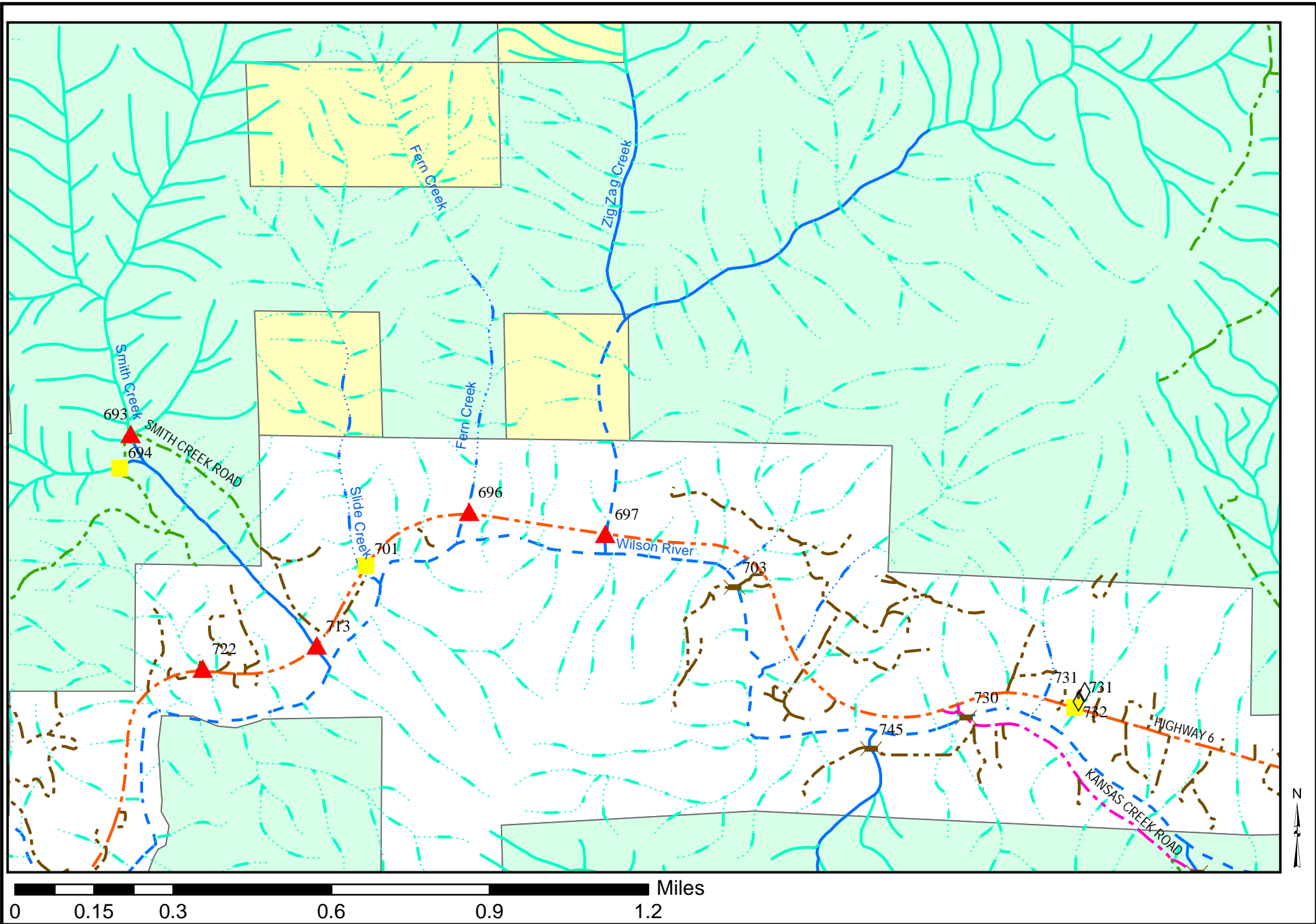
LOCATION INFO				Culvert #	722	Priority	L
Watershed		Wilson River		 <p align="center">Inlet</p>  <p align="center">Outlet</p>			
Stream Name		Unnamed tributary of Wilson River					
Township-Range-Section-1/4		T1S, R8W, Sec. 8, SE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		446487/5037891					
Road Name		Highway 6					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		Wilson River Properties, LLC. and J. Vandyke					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	9.8				
Material	Concrete	Upstream Gradient (%)	12.3				
Length (ft)	50	Bankfull Width (ft)	4.9				
Width (in)	24	Bankfull:Culvert Ratio	0.4				
Height (in)	24						
Outlet Perch (ft)	None						
Gradient (%)	4.8						
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				
<p>Notes: Stream depicted as nonfish-modeled. However, technical review team suggested including this culvert in the analysis and ending fish use where stream gradient exceeds 15 percent grade.</p>							

LOCATION INFO				Culvert #	713	Priority	M
Watershed		Wilson River		 <p align="center">Inlet – upstream</p>  <p align="center">Outlet</p>			
Stream Name		Smith Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 9, SW¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		446846/5037955					
Road Name		Highway 6					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		Stimson Lumber Company					
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	Not measured				
Material	Concrete	Upstream Gradient (%)	4.0				
Length (ft)	143	Bankfull Width (ft)	6.2				
Width (in)	120	Bankfull:Culvert Ratio	1.6				
Height (in)	90						
Outlet Perch (ft)	~1.5	Use of surveying equipment precluded by terrain and obstacles.					
Gradient (%)	8.0						
Rustline Height (in)	N/A						
Overall Condition	Poor						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	10				
<p>Notes: Water was observed entering the pipe from holes in the side walls and flowing around the outside of one of the wing walls at outlet. This suggests that water was flowing alongside the entire outer wall of the pipe. An approx. 20 ft wall of debris was trapped upstream of the trash rack and had aggraded the upstream channel an equivalent amount.</p>							

LOCATION INFO				Culvert #	693	Priority	L
Watershed		Wilson River		 			
Stream Name		Smith Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 5, SE¼ of SE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		446299/5038612					
Road Name		Smith Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	12.8				
Material	Corrugated metal	Upstream Gradient (%)	11.2				
Length (ft)	27	Bankfull Width (ft)	4.5				
Width (in)	72	Bankfull:Culvert Ratio	1.3				
Height (in)	72						
Outlet Perch (ft)	2.7						
Gradient (%)	9.3						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes: Stream intermittently subterranean during survey (summer 2011). Depicted as nonfish. Technical team suggested including this culvert and stopping fish use where gradient exceeds 15 percent. Cutthroat observed in watered areas upstream of pipe during 2011 survey work.							


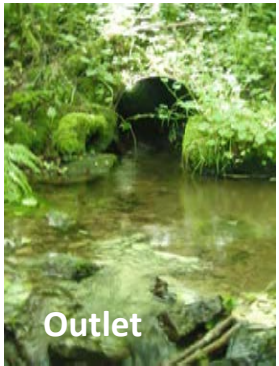
LOCATION INFO				Culvert #	696	Priority	L
Watershed		Wilson River		 			
Stream Name		Fern Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 9, NE¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		447331/5038383					
Road Name		Highway 6					
Road/Culvert Owner		Oregon Department of Transportation					
Adjacent Landowners		R. & B. Stacks and DH Kim, LLC.					
CULVERT INFO		CHANNEL INFO					
Shape	Box	Inlet Gradient (%)	16.0				
Material	Concrete	Upstream Gradient (%)	9.5				
Length (ft)	100	Bankfull Width (ft)	6.6				
Width (in)	48	Bankfull:Culvert Ratio	0.6				
Height (in)	60						
Outlet Perch (ft)	~3.5	Use of surveying equipment precluded by terrain and obstacles.					
Gradient (%)	9.3						
Rustline Height (in)	12						
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 Class	Red	Barrier Points	3				
		Prioritization Total Points	9				
Notes: Outlet cascades over boulders and additional cascades over boulders are located a short distance downstream of outlet. Exposed rebar observed on invert of pipe.							



LOCATION INFO				Culvert #	697	Priority	H
Watershed				Wilson River			
Stream Name				Zig Zag Creek			
Township-Range-Section-1/4				T1S, R8W, Sec. 9, NE¼ of NE¼			
UTM Easting/Northing (Zone 10, NAD 1983)				447732/5038310			
Road Name				Highway 6			
Road/Culvert Owner				Oregon Department of Transportation			
Adjacent Landowners				D. Kim and J. & S. Cooluris			
CULVERT INFO		CHANNEL INFO		 			
Shape	Box	Inlet Gradient (degrees)	90				
Material	Concrete	Upstream Gradient (%)	7.0				
Length (ft)	150	Bankfull Width (ft)	25.0				
Width (in)	126	Bankfull:Culvert Ratio	0.4				
Height (in)	120	Use of surveying equipment precluded by terrain and obstacles.					
Outlet Perch (ft)	~13.0						
Gradient (%)	8.0						
Rustline Height (in)	24						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	1.6	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: An approx. 30 ft wall of debris occurred upstream of trash rack. Channel aggraded an equivalent amount. Culvert in very poor condition – wing walls detached and broken, rebar exposed along entire invert, top of pipe cracked and water leaking in through cracks, water pouring into culvert from holes in side walls, and water flowing out from around both sides of outlet.							





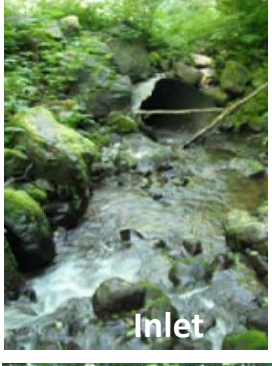

Smith Creek Area Culverts, Wilson River Basin


KANSAS CREEK CULVERTS

LOCATION INFO				Culvert #	762	Priority	L
Watershed		Wilson River					
Stream Name		Unnamed tributary of Kansas Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 15, SE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		449522/5037009					
Road Name		Kansas Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	14.9				
Material	Corrugated metal	Upstream Gradient (%)	4.3				
Length (ft)	39	Bankfull Width (ft)	5.5				
Width (in)	30	Bankfull:Culvert Ratio	0.5				
Height (in)	30						
Outlet Perch (ft)	0.7						
Gradient (%)	6.5						
Rustline Height (in)	12						
Overall Condition	Good						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Resident	Fish Points	2				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	7				
Notes:							

LOCATION INFO				Culvert #	799	Priority	L
Watershed		Wilson River					
Stream Name		Unnamed tributary of Kansas Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 14, NE¼ of NE¼					
UTM Easting/Northing (Zone 10, NAD 1983)		449598/5036566					
Road Name		Kansas Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Circular	Inlet Gradient (%)	11.3				
Material	Corrugated metal	Upstream Gradient (%)	11.3				
Length (ft)	69	Bankfull Width (ft)	11.9				
Width (in)	156	Bankfull:Culvert Ratio	1.1				
Height (in)	108						
Outlet Perch (ft)	0.4						
Gradient (%)	1.6						
Rustline Height (in)	None						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.4	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Resident	Fish Points	2				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	7				
Notes:							

LOCATION INFO				Culvert #	798	Priority	L
Watershed		Wilson River					
Stream Name		Kansas Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 14, SW¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		449687/5036465					
Road Name		Kansas Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe arch	Inlet Gradient (%)	23.8				
Material	Corrugated metal	Upstream Gradient (%)	5.6				
Length (ft)	71	Bankfull Width (ft)	14.7				
Width (in)	66	Bankfull:Culvert Ratio	0.4				
Height (in)	42						
Outlet Perch (ft)	1.6						
Gradient (%)	3.1						
Rustline Height (in)	22						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.4	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Resident	Fish Points	2				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	7				
Notes:							

LOCATION INFO				Culvert #	822	Priority	L
Watershed		Wilson River					
Stream Name		Kansas Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 14, SW¼ of NW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		449858/5036361					
Road Name		Kansas Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe arch	Inlet Gradient (%)	11.5				
Material	Corrugated metal	Upstream Gradient (%)	11.8				
Length (ft)	56	Bankfull Width (ft)	11.0				
Width (in)	55	Bankfull:Culvert Ratio	0.4				
Height (in)	41						
Outlet Perch (ft)	1.4						
Gradient (%)	9.9						
Rustline Height (in)	10						
Overall Condition	Fair						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.3	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Resident	Fish Points	2				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	7				
Notes:							

LOCATION INFO				Culvert #	823	Priority	L
Watershed		Wilson River					
Stream Name		Kansas Creek					
Township-Range-Section-1/4		T1S, R8W, Sec. 14, NW¼ of SW¼					
UTM Easting/Northing (Zone 10, NAD 1983)		449997/5036035					
Road Name		Kansas Creek Road					
Road/Culvert Owner		Oregon Department of Forestry					
Adjacent Landowners		Oregon Department of Forestry					
CULVERT INFO		CHANNEL INFO					
Shape	Pipe arch	Inlet Gradient (%)	14.2				
Material	Circular	Upstream Gradient (%)	6.7				
Length (ft)	79	Bankfull Width (ft)	15.4				
Width (in)	90	Bankfull:Culvert Ratio	0.5				
Height (in)	90						
Outlet Perch (ft)	4.1						
Gradient (%)	4.2						
Rustline Height (in)	13						
Overall Condition	Poor						
PRIORITIZATION ANALYSIS							
Upstream Habitat Length (mi)	0.1	Habitat Points	1				
Habitat Quality	Poor	Habitat Quality Points	1				
Fish Species	Resident	Fish Points	2				
Barrier Class	Red	Barrier Points	3				
		Prioritization Total Points	7				
Notes: Seams in culvert were separating and water was flowing under pipe.							