

*Town of Orford Culvert Inventory, 2019
Stream, Wetlands and Ponds*

Culverts are graded as **Good (0.8 to 1.0)**, **Fair (0.6 to <0.8)**, **Poor (0.5 to <0.6)** and **Very Poor (<0.5)**.
See supplementary document for further details on the culvert condition rating.
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				Pipe					Structure Overall		Upstream				Downstream					Results			
Survey Date	Town ID / SADES ID	Road Name	Type	#	Shape, Material	Diameter (W - H)	% Width : Channel Bank Full	Condition	Length	Clogged	Block	US HW Materials	US HW Condition	US Scour	DS HW Materials	DS HW Condition	DS Scour	Grade	Outlet Height	Rating	AOP Score	GC Score	Comments
09/27/19	Orford AF / 15622	Andrews Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	2	58.8	Good	20	Open	None	Dry Fit Stone	Fair	Culvert and Wing Walls	Dry Fit Stone	Good	Culvert	Free Fall	> 2 feet above Channel	0.75	No Passage	Mostly Incompatible	
09/27/19	Orford AG / 15623	Archertown Rd	Stream, 2HW	1	Box Culvert, Concrete	14.5 - 7	102.6	Good	31.8	Open	None	Concrete	Good	None	Concrete	Good	None	At Grade	At Grade	0.98	Reduced Passage	Mostly Compatible	Low water at time of assessment
08/15/19	Orford P / 15467	Archertown Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	3	94.7	Poor	34.4	Open	None	Dry Fit Stone	Fair	None	Dry Fit Stone	Good	Culvert and Wing Walls	Free Fall	1 - 2 feet above Channel	0.63	No Passage	Partially Compatible	
08/27/19	Orford R / 15541	Archertown Road	Stream, 1HW	1	Round Culvert, Plastic-Smooth	2	26.3	Good	55	Open	None	Concrete	Fair	None	None	Good	None	Free Fall	> 2 feet above Channel	0.78	No Passage	Mostly Incompatible	
08/02/19	Orford E / 15240	Baker Rd	Stream, 2HW	1	Pipe-Arch Culvert, Steel-Corrugated	5.6 - 4.2	80.4	Fair	40.2	Open	None	Dry Fit Stone	Good	Footers	Dry Fit Stone	Fair	Culvert and Wing Walls	Free Fall	1 - 2 feet above Channel	0.70	No Passage	Mostly Incompatible	
08/02/19	Orford D / 15224	Baker Rd	Stream, 1HW	1	Pipe-Arch Culvert, Steel-Corrugated	6.8 - 4.7	49.4	Fair	39.8	Open	Structural Debris	Dry Fit Stone	Fair	None	None	Poor	Culvert and Wing Walls	Free Fall	1 - 2 feet above Channel	0.60	No Passage	Mostly Incompatible	
08/29/19	Orford S / 15542	Dublin Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	2.5	52.4	Fair	41.7	Open	Sediment	Masonry	Fair	None	Dry Fit Stone	Poor	None	Cascade	> 2 feet above Channel	0.60	Reduced Passage	Mostly Incompatible	
08/30/19	Orford V / 15561	Grimes Hill Rd	Stream, 1HW	1	Round Culvert, Steel-Corrugated	2	18.4	Good	32.8	Open	None	Dry Fit Stone	Good	Culvert	None	Poor	Culvert	Free Fall	< 1 foot above Channel	0.70	No Passage	Mostly Incompatible	
08/30/19	Orford W / 15562	Grimes Hill Rd	Stream, 2HW	1	Pipe-Arch Culvert, Steel-Corrugated	6 - 3	76.6	Good	30.2	Open	None	Dry Fit Stone	Fair	Culvert and Wing Walls	Dry Fit Stone	Fair	Culvert	Free Fall	1 - 2 feet above Channel	0.68	No Passage	Partially Compatible	Bridge has middle barrier 1.4 ft
08/29/19	Orford T / 15543	Hutchins Hill	Wetland, No HW	1	Round Culvert, Plastic-Smooth	2		Good	20.5	Open	None	None	Good	None	None	Good	Culvert	Free Fall	< 1 foot above Channel	0.93	No Passage	N/A Score - Wetland	
08/15/19	Orford M / 15463	Indian Pond Rd	Wetland, No HW	2	Round Culvert, Steel-Corrugated	3		Poor	29.6	Open	None	None	Good	None	None	Good	None	At Grade		0.65	Reduced Passage	N/A Score - Wetland	
08/15/19	Orford N / 15465	Indian Pond Rd	Wetland, 1 HW	1	Round Culvert, Steel-Corrugated	1.6		Poor	21.3	Open	None	None	Poor	None	Dry Fit Stone	Poor	None	At Grade	At Grade	0.55	Reduced Passage	N/A Score - Wetland	
08/15/19	Orford O / 15466	Indian Pond Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	2.5	31.4	Poor	29	Open	None	Dry Fit Stone	Fair	Wing Walls	Dry Fit Stone	Fair	Culvert and Wing Walls	Free Fall	< 1 foot above Channel	0.48	No Passage	Mostly Incompatible	Large hole from road
08/15/19	Orford K / 15461	Indian Pond Rd	Stream, 1HW	1	Pipe-Arch Culvert, Steel-Corrugated	14 - 9.8	78.1	Fair	61.3	Open	None	Concrete	Good	None	None	Good	None	Free Fall	< 1 foot above Channel	0.83	No Passage	Mostly Compatible	
09/20/19	Orford AA / 15602	Lower Stonehouse Mountain Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	4	34.2	Good	32.5	Open	None	Dry Fit Stone	Good	None	Dry Fit Stone	Good	Culvert	Free Fall	> 2 feet above Channel	0.88	No Passage	Partially Compatible	End section plastic smooth
08/06/19	Orford G / 15280	Mousley Brook Rd	Stream, 2HW	1	Pipe-Arch Culvert, Steel-Corrugated	9 - 6.5	33.3	Poor	29	Open	None	Concrete	Fair	None	Dry Fit Stone	Fair	Wing Walls	At Grade	At Grade	0.55	Reduced Passage	Fully Incompatible	
09/17/19	Orford U / 15580	Mud Turtle Pond	Stream, 2HW	1	Round Culvert, Steel-Corrugated	4	66.3	Good	30.4	Open	None	Dry Fit Stone	Fair	None	Dry Fit Stone	Good	Culvert	Free Fall	< 1 foot above Channel	0.83	No Passage	Mostly Compatible	
08/05/14	Orford AN / 243	NH Route 10	Surface, 2 HW	1	Round Culvert, Concrete	6	94.7	Poor	120	Open	None	Masonry	Good	None	Masonry	Fair	None	At Grade	< 1 ft above Channel	0.73	Reduced Passage	N/A Score - Surface	Backwater - 20 to 30ft into structure
10/08/19	Orford AI / 15661	NH Route 25A	Stream, 2HW	1	Bridge with Abutments, Concrete	38.5 - 7.7	119.9	Good	46.7	Open	None	Concrete	Good	None	Concrete	Good	None	At Grade	At Grade	1.00	Full Passage	Mostly Compatible	Low water at time of assessment
10/08/19	Orford AK / 15680	NH Route 25A	Stream, 2HW	1	Arch-Bridge, Concrete	19 - 6.8	79.5	Good	36.3	Open	None	Concrete	Good	None	Concrete	Good	None	At Grade	At Grade	0.95	Full Passage	Mostly Compatible	
10/24/19	Orford AM / 15689	NH Route 25A	Stream, 2HW	1	Pipe-Arch Culvert, Steel-Corrugated	7 - 4.5	63.8	Good	57.2	Open	None	Dry Fit Stone	Good	Culvert and Footers	Dry Fit Stone	Good	None	At Grade	> 2 feet above Channel	0.88	Reduced Passage	Mostly Incompatible	
10/08/19	Orford AH / 15660	NH Route 25A	Stream, 2HW	1	Bridge with Abutments, Concrete	21.6 - 6.5	96.9	Good	36.7	Open	None	Concrete	Fair	Unknown	Concrete	Good	None	At Grade	At Grade	0.80	Full Passage	Mostly Compatible	
10/08/19	Orford AJ / 15662	NH Route 25A	Stream, 2HW	1	Bridge with Abutments, Concrete	12.4 - 12.4	57.1	Good	46.4	Open	None	Concrete	Fair	None	Concrete	Fair	None	Free Fall	> 2 feet above Channel	0.80	No Passage	Mostly Compatible	
06/04/18	Orford AO / 10961	NH Route 25A	Stream, 2HW	1	Round Culvert, Concrete	5	35.4	Fair	92	Open	None	Masonry	Good	Culvert	Dry Fit Stone	Good	Culvert	Free Fall	1 - 2 feet above Channel	0.73	No Passage	Fully Incompatible	Pipe is seperating. DS flows to box culvert
06/04/18	Orford AP / 10962	NH Route 25A	Stream, 1HW	1	Round Culvert, Concrete	4	9.0	Poor	120.6	1/2 Full	None	Masonry	Fair	Culvert and Wing Walls	Masonry	Poor	Culvert and Wing Walls	Backwater ed		0.25	Full Passage	Partially Compatible	Fencing, Limited survey
09/17/19	Orford X / 15583	Orfordville Rd	Wetland, 2 HW	1	Round Culvert, Steel-Corrugated	3		Good	29.9	Open	Sediment	Dry Fit Stone	Good	None	Dry Fit Stone	Good	None	At Grade		1.00	Reduced Passage	N/A Score - Wetland	
09/20/19	Orford Y / 15600	Orfordville Rd	Wetland, 1 HW	1	Round Culvert, Steel-Corrugated	2		Good	28	Open	None	None	Good	None	Dry Fit Stone	Good	Wing Walls	At Grade	At Grade	0.96	Reduced Passage	N/A Score - Wetland	
09/17/19	Orford W / 15582	Orfordville Rd	Stream, 1HW	1	Pipe-Arch Culvert, Steel-Corrugated	5 - 3	56.0	Good	30.2	Open	None	Dry Fit Stone	Good	None	None	Good	None	At Grade	At Grade	0.93	Reduced Passage	Partially Compatible	
09/20/19	Orford Z / 15601	Orfordville Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	3	132.4	Fair	34.3	Open	None	Dry Fit Stone	Good	None	Dry Fit Stone	Poor	Culvert	Free Fall	1 - 2 feet above Channel	0.70	No Passage	Mostly Compatible	

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Survey Date	Town ID / SADES ID	Road Name	Type	#	Shape, Material	Diameter (W - H)	% Width : Channel Bank Full	Condition	Length	Clogged	Block	US HW Materials	US HW Condition	US Scour	DS HW Materials	DS HW Condition	DS Scour	Grade	Outlet Height	Rating	AOP Score	GC Score	Comments
09/20/19	Orford AC / 15604	Piermont Heights	Wetland, 2 HW	2	Pipe-Arch Culvert, Steel-Corrugated	6 - 4		Good	23.1	Open	None	Dry Fit Stone	Good	Culvert	Dry Fit Stone	Good	None	At Grade	At Grade	0.93	Reduced Passage	N/A Score - Wetland	
09/20/19	Orford AB / 15603	Piermont Heights	Stream, 2HW	1	Round Culvert, Steel-Corrugated	2.5	34.9	Good	25.8	Open	None	Dry Fit Stone	Good	None	Dry Fit Stone	Fair	Culvert and Wing Walls	Free Fall	< 1 foot above Channel	0.78	No Passage	Partially Compatible	
09/27/19	Orford AE / 15621	Prettyman Rd	Wetland, No HW	4	Round Culvert, Plastic-Smooth	2		Good	23.3	Open	Other	None	Good	None	None	Good	None	At Grade	At Grade	1.00	Reduced Passage	N/A Score - Wetland	Large hole in pipe
07/18/19	Orford B / 14883	Prettyman Rd	Wetland, 2 HW	1	Elliptical Culvert, Steel-Corrugated	5 - 3.5		Good	25.8	Open	None	Dry Fit Stone	Good	None	Dry Fit Stone	Good	None	At Grade	At Grade	1.00	Reduced Passage	N/A Score - Wetland	Pipe rusted through
09/27/19	Orford AD / 15620	Prettyman Rd	Wetland, 2 HW	1	Pipe-Arch Culvert, Steel-Corrugated	4 - 3		Fair	23.8	Open	None	Concrete	Fair	None	Dry Fit Stone	Good	None	At Grade	At Grade	0.83	Full Passage	N/A Score - Wetland	
08/02/19	Orford F / 15241	Quinttown Rd	Stream, 2HW	1	Round Culvert, Plastic-Smooth	3	64.3	Good	22.1	Open	Sediment	Dry Fit Stone	Good	None	Dry Fit Stone	Good	None	At Grade	At Grade	0.95	Reduced Passage	Partially Compatible	Pipe outlet deformed. Outlet fallen in
08/06/19	Orford J / 15283	Quinttown Rd	Wetland, 2 HW	1	Round Culvert, Steel-Corrugated	2		Good	38.1	Open	None	Dry Fit Stone	Good	None	Dry Fit Stone	Fair	Culvert and Wing Walls	Free Fall	1 - 2 feet above Channel	0.81	No Passage	N/A Score - Wetland	
08/06/19	Orford I / 15282	Quinttown Rd	Stream, 2HW	2	Pipe-Arch Culvert, Steel-Corrugated	4.3 - 2.8	50.4	Fair	25.3	Open	None	Dry Fit Stone	Good	Culvert	Dry Fit Stone	Good	None	At Grade	At Grade	0.78	Reduced Passage	Mostly Compatible	
08/06/19	Orford H / 15281	Quinttown Rd	Stream, 2HW	2	Round Culvert, Plastic-Corrugated	3.2	43.6	Good	30.9	Open	None	Dry Fit Stone	Good	Culvert	Dry Fit Stone	Fair	Culvert and Wing Walls	Free Fall	1 - 2 feet above Channel	0.73	No Passage	Mostly Incompatible	
10/24/19	Orford AL / 15688	Sawyer Brook	Stream, 2HW	1	Round Culvert, Steel-Corrugated	5	43.7	Good	42.6	Open	None	Dry Fit Stone	Poor	Wing Walls	Dry Fit Stone	Poor	None	At Grade	At Grade	0.60	Full Passage	Partially Compatible	
08/27/19	Orford Q / 15540	Town Rd 100	Stream, No HW	2	Round Culvert, Steel-Smooth	6	39.3	Fair	28.5	Open	None	None	Good	Culvert	None	Good	Culvert	At Grade	At Grade	0.58	Reduced Passage	Mostly Compatible	
07/18/19	Orford C / 14884	Town Rd 107	Stream, 1HW	1	Round Culvert, Plastic-Corrugated	3	37.7	Good	20.7	Open	None	Dry Fit Stone	Fair	None	None	Fair	Culvert	Free Fall	> 2 feet above Channel	0.74	No Passage	Mostly Incompatible	
08/15/19	Orford L / 15462	Town Rd 89	Stream, 2HW	1	Round Culvert, Steel-Corrugated	3	52.6	Fair	21	Open	None	Dry Fit Stone	Good	Culvert and Wing Walls	Dry Fit Stone	Fair	Culvert and Wing Walls	Free Fall	1 - 2 feet above Channel	0.60	No Passage	Mostly Incompatible	
07/18/19	Orford A / 14882	Upper Baker Pond Rd	Stream, 1HW	1	Round Culvert, Steel-Corrugated	3		Good	32.5	Open	None	None	Fair	None	Dry Fit Stone	Good	None	Free Fall	< 1 foot above Channel	1.00	No Passage	Partially Compatible	
09/17/19	Orford V / 15581	Upper Stonehouse Mountain Rd	Stream, 2HW	1	Round Culvert, Steel-Corrugated	3	48.9	Good	41	Open	Wood	Dry Fit Stone	Fair	Culvert	Dry Fit Stone	Good	Culvert and Wing Walls	Free Fall	< 1 foot above Channel	0.73	No Passage	Fully Incompatible	