

APPENDIX C

Culvert and Bridge Crossing Details

Crossing Data Sheet – CB_CLC_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289356.79 Easting: 289886.73

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 3.1 V: 1.6	12.5	2.44	2.34	4.55



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289297.41 Easting: 289654.95

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.8 V: 1.2	12.0	10.16	9.72	11.76



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289280.63 Easting: 289630.58

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.6 V: 1.6	12.0	10.48	10.37	12.37



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

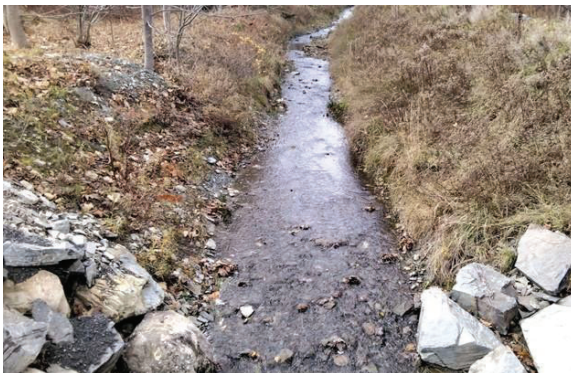


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289260.09 Easting: 289484.19

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.0 V: 1.0	12.0	13.378	13.032	14.678
2	H: 1.0 V: 1.0	12.0	13.437	13.015	14.678



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289242.75 Easting: 289347.51

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.7 V: 1.7	6.2	15.023	14.943	N/A

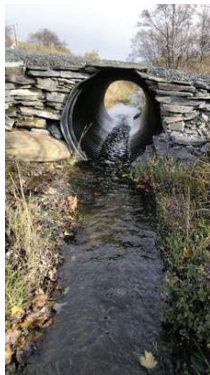


Photo 1: Upstream End of Structure

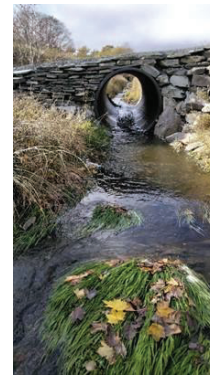


Photo 2: Downstream End of Structure

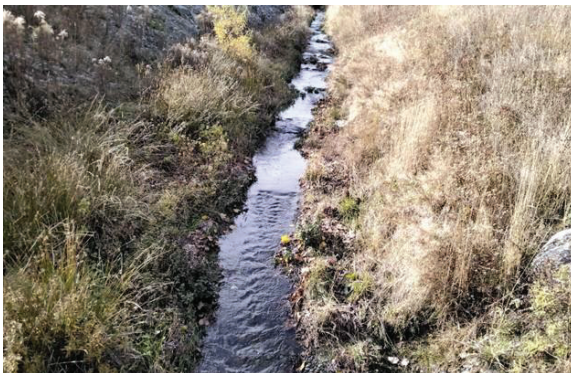


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289233.95 Easting: 289278.24

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.5 V: 1.5	9.0	16.29	16.13	18.95



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C007

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289199.96 Easting: 289096.26

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.6 V: 1.0 (US) H: 1.5 V: 1.5 (DS)	290.8	16.29	16.13	22.91



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_CLC_C008

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5289464.65 Easting: 288904.55

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.5 V: 1.5	13.3	61.82	61.14	63.53



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_C005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5288169.28 Easting: 286146.08

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 5.0 V: 3.5	45.8	15.08*	14.66	21.13
2	H: 5.0 V: 3.5	50.0	14.94	14.46	21.13
3	H: 5.0 V: 4.0	43.2	15.30	14.78	21.13



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_C006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Carbonear Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5287652.09 Easting: 284248.85

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.2 V: 1.2	8.8	56.89	56.76	58.67
2	H: 1.2 V: 1.2	9.0	56.86	56.66	58.67
3	H: 1.2 V: 1.2	10.0	56.86	56.66	58.67
4	H: 1.2 V: 1.2	10.0	56.86	56.66	58.67

*Elevation from LiDAR



Photo 1: Upstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 2: Downstream End of Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook - Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5288442.81 Easting: 287550.85

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.5 V: 1.5	24.5	Not Surveyed	Not Surveyed	1.58

*Estimated from imagery **Elevation from LiDAR



Photo 1: Upstream End of Structure

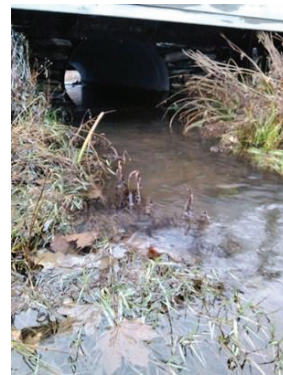


Photo 2: Downstream End of Structure

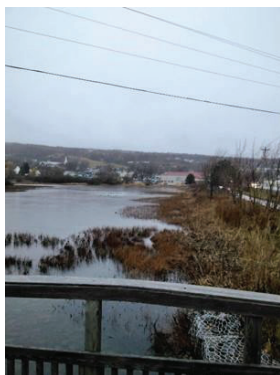


Photo 3: Looking Upstream from Structure

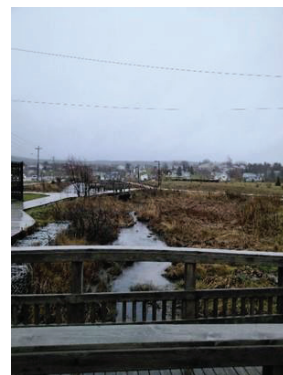


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook - Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5288562.33 Easting: 287180.05

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.7 V: 0.7	227.4	6.90	0.62	N/A



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook – Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5288614.77 Easting: 287049.02

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	12.0	11.26	10.74	11.98

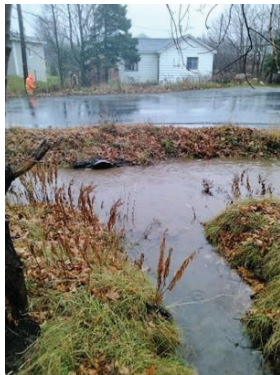


Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_C005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook – Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5288785.21 Easting: 286827.82

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.75 V: 0.75	85.3	33.38	27.11	31.67



Photo 1: Upstream End of Structure

No Photo

Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

No Photo

Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_C006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook – Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5288990.16 Easting: 286705.99

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.0 V: 1.0	12.0	62.27	60.19	64.57



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

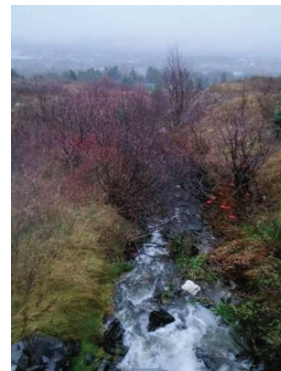


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_C007

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook – Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5289021.38 Easting: 286684.34

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.1 V: 1.1	36.1	67.43	64.64	72.72



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC2_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Island Pond Brook – Local Creek 2

Structure Coordinates: MTM Zone 1 Northing: 5288538.41 Easting: 286985.90

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.5 V: 0.5	34.7	11.25	10.79	12.29



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5288075.74 Easting: 287777.22

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 5.0 V: 2.5	15.0	0.56	0.25	3.53



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5287972.93 Easting: 287724.74

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 5.3 V: 2.0	12.0	6.34	6.26	9.07



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5287871.23 Easting: 287444.04

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 6.1 V: 2.5	39.7	11.20	10.80	14.67



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_C005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5287736.74 Easting: 287005.36

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 8.2 V: 1.3	20.4	17.63	Not Surveyed	19.48



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_C006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5287609.13 Easting: 286862.70

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 8.9 V: 2.0	14.3	22.38	22.30	24.98



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_C007

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5287334.70 Easting: 286605.53

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.0 V: 2.0	35.0	32.32	30.87	35.45
2	H: 2.4 V: 2.4	36.0	32.16	31.64	35.45



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

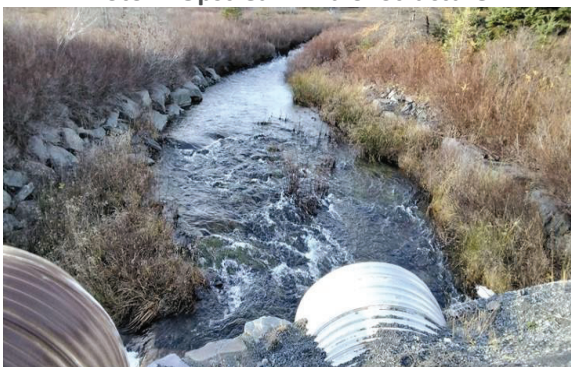


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231460.84 Easting: 233479.04

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.4 V: 1.0	15.5	-0.12	-0.26	1.24



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231404.09 Easting: 233614.131

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.9 V: 0.9	85.1	0.63	0.19	2.74
2	H: 0.9 V: 0.9	85.1	0.65	0.20	2.74
3	H: 0.9 V: 0.9	85.1	0.64	0.16	2.74



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231388.67 Easting: 233761.90

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	12.4	0.57	0.71	3.92

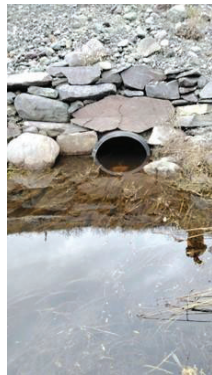


Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231346.23 Easting: 233814.37

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.7 V: 0.7		Not Surveyed	Not Surveyed	1.99
2	H: 0.6 V: 0.6		0.98	Not Surveyed	1.99

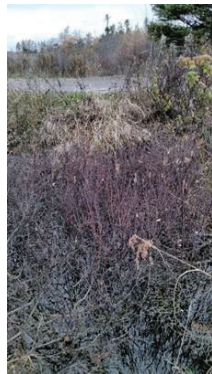


Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231288.53 Easting: 233905.58

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.1 V: 0.9	9.2	1.59	1.54	2.58



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231235.56 Easting: 233982.27

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.9 V: 0.9	15.8	2.57	2.51	3.83



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C007

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231199.77 Easting: 234046.09

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	13.1	3.99	3.62	4.75
2	H: 0.6 V: 0.6	13.1	3.98	3.47	4.75



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

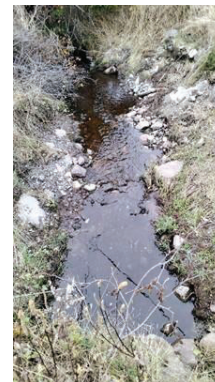


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C008

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231183.78 Easting: 234078.30

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	6.0	4.47	4.32	4.75
2	H: 0.6 V: 0.6	6.0	4.41	4.22	4.75



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

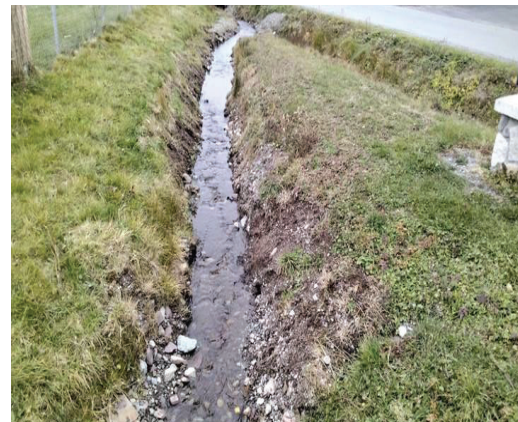


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC1_C009

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5231097.18 Easting: 234142.92

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	15.0	10.31	9.17	10.75
2	H: 0.6 V: 0.6	16.1	10.36	9.19	10.75



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC2_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 2

Structure Coordinates: MTM Zone 1 Northing: 5231254.85 Easting: 235783.96

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.1 V: 1.5	13.8	3.44	2.88	5.56



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC2_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 2

Structure Coordinates: MTM Zone 1 Northing: 5231173.91 Easting: 235817.08

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.0 V: 0.8	14.5	16.57	15.56	17.57



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235234.33 Easting: 230751.43

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.3 V: 1.3	22.9	2.33	2.10	5.85
2	H: 1.3 V: 1.3	23.9	2.32	2.02	5.85



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235391.99 Easting: 230789.33

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.8 V: 1.3	7.0	11.21	11.02	12.72
2	H: 1.8 V: 1.3	7.0	11.25	10.93	12.72



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

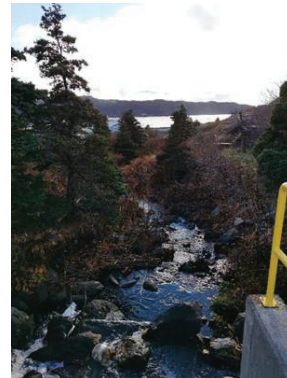


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235470.83 Easting: 230817.33

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.9 V: 1.4	10.1	13.55	13.38	15.16
2	H: 1.9 V: 1.4	9.3	13.65	13.54	15.16



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235630.43 Easting: 230826.59

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.4 V: 1.5	12.8	23.98	23.95	26.16
2	H: 1.4 V: 1.5	12.8	24.03	23.88	26.16



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

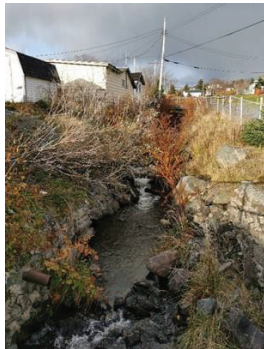


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235716.37 Easting: 230867.90

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.7 V: 1.1	16.4	27.49	27.13	28.88
2	H: 1.7 V: 1.1	16.4	27.55	27.17	28.88



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C007

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235836.39 Easting: 230921.72

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.3 V: 1.3	15.3	34.38	34.02	36.26
2	H: 1.3 V: 1.3	15.3	34.12	34.04	36.26



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C009

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235909.94 Easting: 230974.97

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.9 V: 1.4	7.8	36.60	36.51	38.25



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C010

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5236079.67 Easting: 231134.43

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.3 V: 1.3	17.0	39.14	39.10	41.18
2	H: 1.3 V: 1.3	17.0	39.13	39.11	41.18



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C012

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5236956.80 Easting: 232099.77

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.2 V: 2.2	30.6	42.43	42.17	41.18

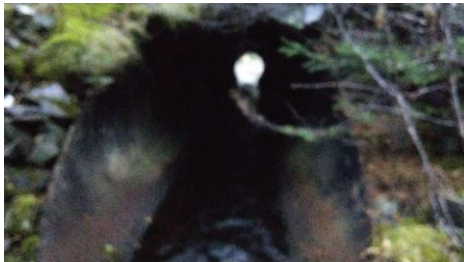


Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

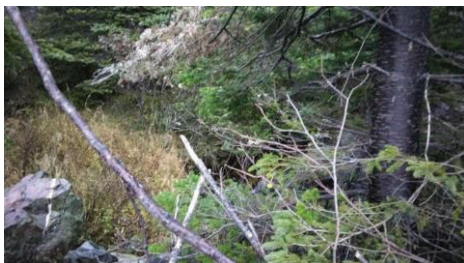


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_C013

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5236854.97 Easting: 232626.92

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.0 V: 1.0	7.9	60.10	59.73	60.95
2	H: 1.0 V: 1.0	7.9	59.91	59.64	60.95



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

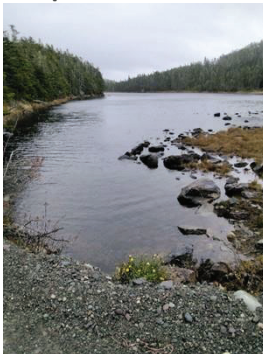


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC4_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Placentia Local Creek 4

Structure Coordinates: MTM Zone 1 Northing: 5237111.18 Easting: 234189.58

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.7 V: 1.7	24.3	18.99	18.27	22.39
2	H: 1.5 V: 1.5	24.1	19.81	18.21	22.39



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

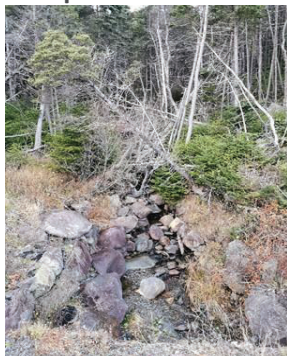


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC5_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Placentia Local Creek 5

Structure Coordinates: MTM Zone 1 Northing: 5236929.44 Easting: 241456.45

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.0 V: 1.5	10.9	19.96	19.07	21.57
2	H: 2.0 V: 1.5	13.0	20.04	19.01	21.57



Photo 1: Upstream End of Structure

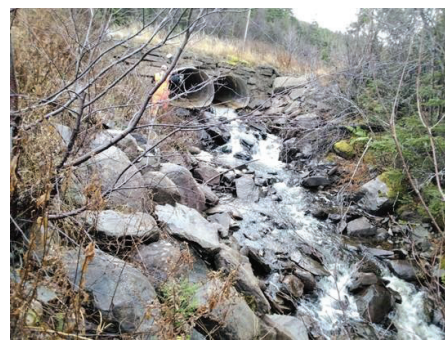


Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

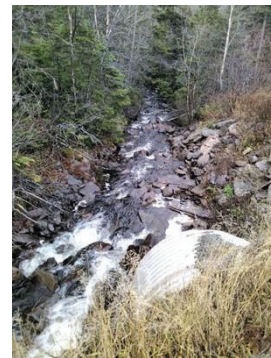


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LSR_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Box Culvert

Watercourse: Little Salmonier River

Structure Coordinates: MTM Zone 1 Northing: 5238970.83 Easting: 230526.70

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.3 V: 1.6	28.0	1.03	-0.08	4.28



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LSR_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Box Culvert

Watercourse: Little Salmonier River

Structure Coordinates: MTM Zone 1 Northing: 5238811.99 Easting: 230576.93

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.4 V: 1.4	15.0	4.49	4.26	7.28



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LSR_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Little Salmonier River

Structure Coordinates: MTM Zone 1 Northing: 5238722.17 Easting: 230706.27

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.4 V: 1.4	25.5	11.02	Not Surveyed	12.48
2	H: 2.4 V: 1.4	25.5	11.06	10.19	12.48



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LSR_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Little Salmonier River

Structure Coordinates: MTM Zone 1 Northing: 5238663.98 Easting: 230963.12

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.4 V: 1.0	25.5	30.40	30.67	32.03
2	H: 1.4 V: 1.0	25.5	30.35	30.20	32.03



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

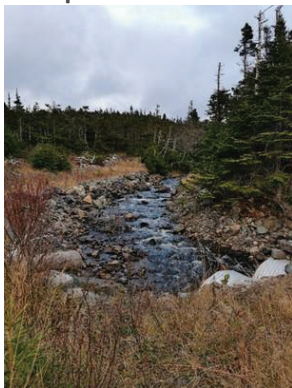


Photo 3: Looking Upstream from Structure

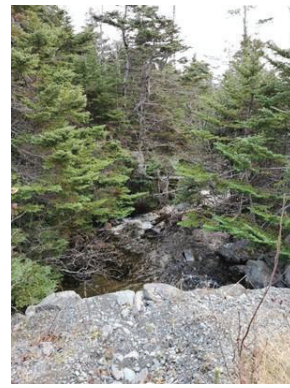


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_MB_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Mill Brook

Structure Coordinates: MTM Zone 1 Northing: 5237012.47 Easting: 237168.80

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.5 V: 1.5	17.0	12.27	16.08	18.44
2	H: 1.5 V: 1.5	17.0	16.45	16.00	18.44



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_NER_LC_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Northeast River – Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5237850.13 Easting: 241453.10

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.9 V: 0.9	27.9	14.47	13.14	16.95



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

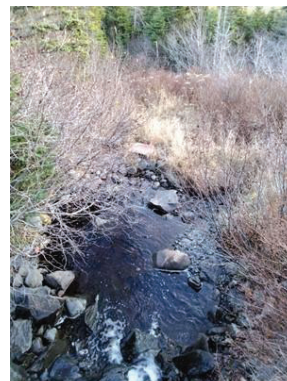


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_RB_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Rattling Brook

Structure Coordinates: MTM Zone 1 Northing: 5231956.65 Easting: 231574.84

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 3.0 V: 3.0	11.7	12.27	11.86	15.47



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

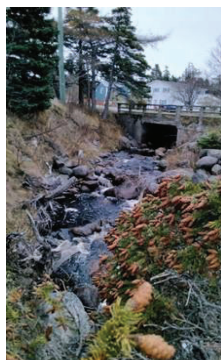


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_SER_LC_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Southeast River – Local Creek

Structure Coordinates: MTM Zone 1 Northing: 5231555.94 Easting: 237189.86

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.4 V: 2.4	15.0	36.55	36.14	38.71



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_SHB_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Shalloway Brook

Structure Coordinates: MTM Zone 1 Northing: 5239515.77 Easting: 239252.88

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.2 V: 2.2	18.0	77.30	77.08	80.01



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

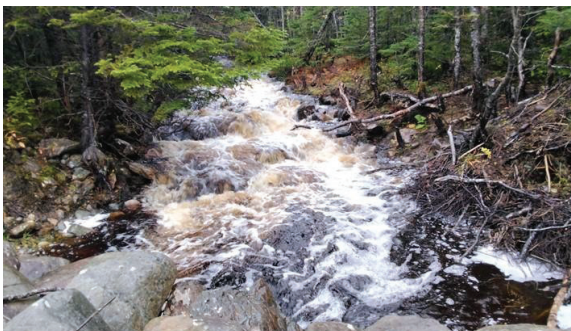


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_SOB_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Arch Culvert

Watercourse: Sound Brook

Structure Coordinates: MTM Zone 1 Northing: 5241161.28 Easting: 240370.11

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 8.9 V: 2.0	28.7	Not Surveyed	Not Surveyed	42.94



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

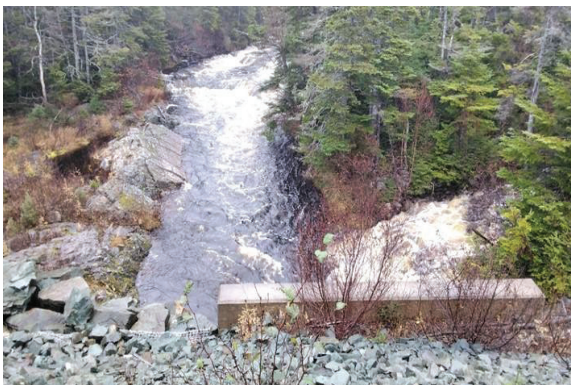


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_CB_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Culvert

Watercourse: Clark Brook

Structure Coordinates: MTM Zone 1 Northing: 5292054.31 Easting: 286727.70

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 6.3	18.1	50.51	50.16	51.98



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_CB_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Clark Brook

Structure Coordinates: MTM Zone 1 Northing: 5292296.37 Easting: 286352.41

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 3.2 V: 2.2	13.8	57.69	57.50	60.14



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_DB_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Double Brook

Structure Coordinates: MTM Zone 1 Northing: 5293000.38 Easting: 286129.82

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.9 V: 1.0	32.1	77.14	76.91	80.12
2	H: 1.9 V: 1.0	32.1	77.06	76.90	80.12



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_DB_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Double Brook

Structure Coordinates: MTM Zone 1 Northing: 5293458.63 Easting: 285792.49

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.5 V: 1.5	22.1	100.52	99.97	102.04



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC1_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5294240.27 Easting: 293048.62

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.7 V: 0.7	22.1	16.65	Not Surveyed	20.14
2	H: 0.6 V: 0.6	22.1	16.84	Not Surveyed	20.14



Photo 1: Upstream End of



Photo 2: Downstream End of Structure

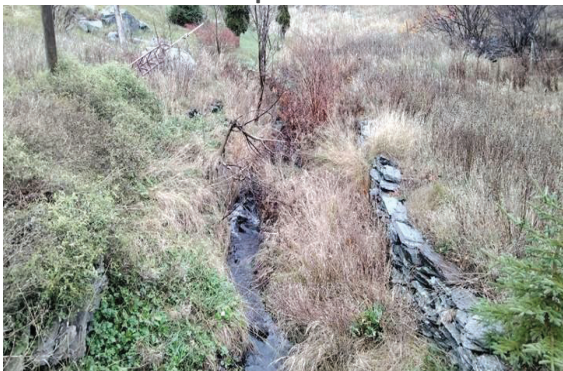


Photo 3: Looking Upstream from Structure



Photo 3: Looking Upstream from Structure

Crossing Data Sheet – VSC_LC1_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5294325.24 Easting: 293084.84

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.9 V: 0.9	128.9	34.03	26.11	28.19



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

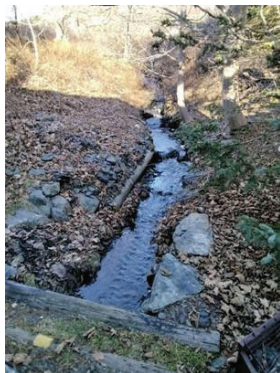


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC2_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 2

Structure Coordinates: MTM Zone 1 Northing: 5293463.12 Easting: 292479.61

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	8.9	0.15	-0.02	0.89



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC2_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 2

Structure Coordinates: MTM Zone 1 Northing: 5293395.56 Easting: 292190.36

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.6 V: 0.6	9.8	1.22	1.05	2.15



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC3_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Elliptical Culvert

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5293146.01 Easting: 291473.81

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 2.1 V: 1.4	50.6	7.44	6.75	9.57



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

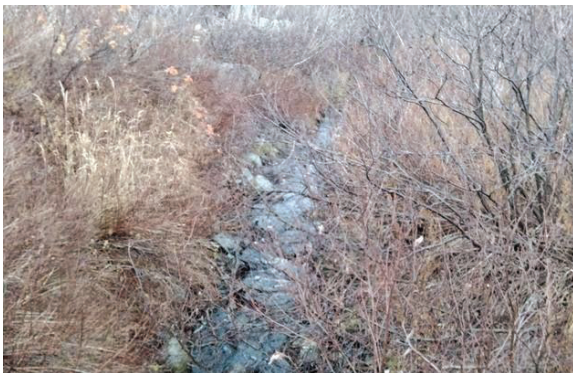


Photo 3: Looking Upstream from Structure

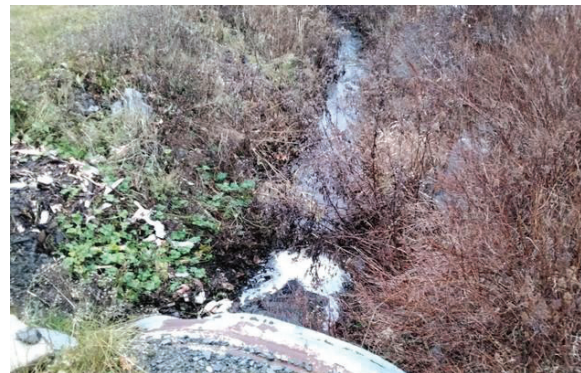


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC3_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5293086.44 Easting: 291949.76

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.5 V: 0.5	9.0	10.96	10.68	11.69



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC3_C003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5293116.22 Easting: 291997.01

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.9 V: 0.9	11.1	11.42	11.30	12.34
2	H: 0.9 V: 0.9	11.1	11.42	11.30	12.34



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC3_C004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5292853.89 Easting: 292059.22

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.45 V: 0.45	7.3	68.70	68.44	69.63
2	H: 0.45 V: 0.45	7.3	Not Surveyed	Not Surveyed	69.63



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC3_C005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5292377.81 Easting: 291681.99

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.5 V: 0.5	7.7	121.71	121.03	122.43



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC4_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 4

Structure Coordinates: MTM Zone 1 Northing: 5293321.29 Easting: 285909.95

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.0 V: 1.0	21.0	95.93	95.37	97.76



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC4_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 4

Structure Coordinates: MTM Zone 1 Northing: 5293404.16 Easting: 285856.10

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.8 V: 0.8	18.5	98.14	97.75	99.80



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

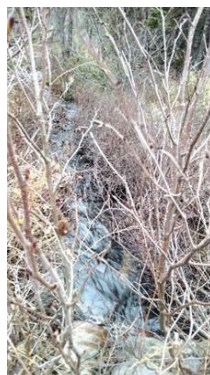


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC5_C001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 5

Structure Coordinates: MTM Zone 1 Northing: 5291527.90 Easting: 286047.95

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.3 V: 0.3	6.2	57.09	57.09	57.54
2	H: 0.3 V: 0.3	6.2	57.16	57.09	57.54



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

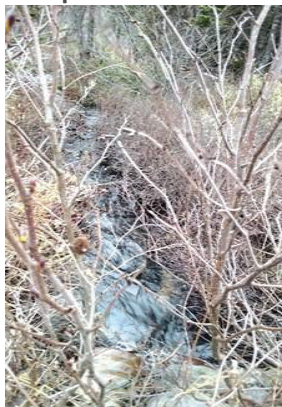


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_LC5_C002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Local Creek 5

Structure Coordinates: MTM Zone 1 Northing: 5291732.13 Easting: 285783.12

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 0.3 V: 0.3	6.2	75.631	75.664	76.04
2	H: 0.3 V: 0.3	6.0	75.675	75.569	76.04



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

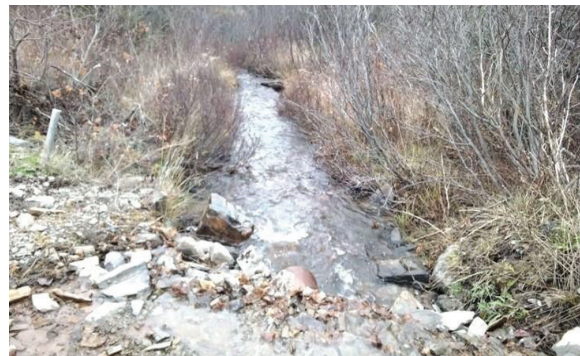


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_C010

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Circular Culvert

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5290888.36 Easting: 284325.74

Culvert No.	Dimensions (m)	Culvert Length (m)	U/S Invert	D/S Invert	Top of Road
1	H: 1.2 V: 1.2	6.3	95.55	95.54	97.16
2	H: 0.7 V: 0.7	6.3	96.00	96.05	97.16

No photos taken at VSC_SCR_C010

Crossing Data Sheet – CB_IPB_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Island Pond Brook

Structure Coordinates: MTM Zone 1 Northing: 5288282.71 Easting: 287606.16

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	15.3	1	1.79



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Island Pond Brook

Structure Coordinates: MTM Zone 1 Northing: 5288275.84 Easting: 287594.72

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	10.7	1	1.82



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_B003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Island Pond Brook

Structure Coordinates: MTM Zone 1 Northing: 5288272.13 Easting: 287589.92

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	8.9	1	1.94



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_B004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Island Pond Brook

Structure Coordinates: MTM Zone 1 Northing: 5288212.34 Easting: 287311.52

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	10.1	1	2.45



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_IPB_LC1_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Island Pond Brook – Local Creek 1

Structure Coordinates: MTM Zone 1 Northing: 5288410.10 Easting: 287553.51

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	2.9	1	1.60



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – CB_PB_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Powell's Brook

Structure Coordinates: MTM Zone 1 Northing: 5288027.24 Easting: 287779.58

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	12.1	1	6.46



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

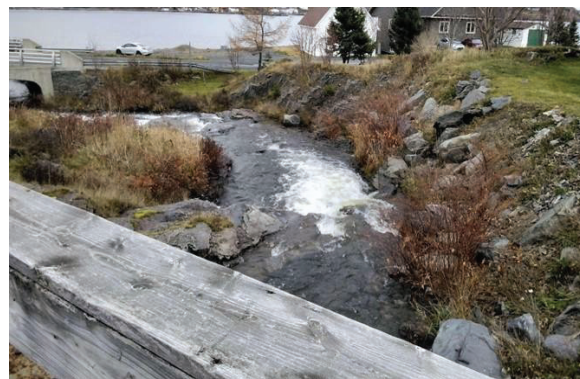


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_BB_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Baldwins Brook

Structure Coordinates: MTM Zone 1 Northing: 5231037.55 Easting: 234618.76

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	14.1	1	9.89



Photo 1: Upstream End of Structure

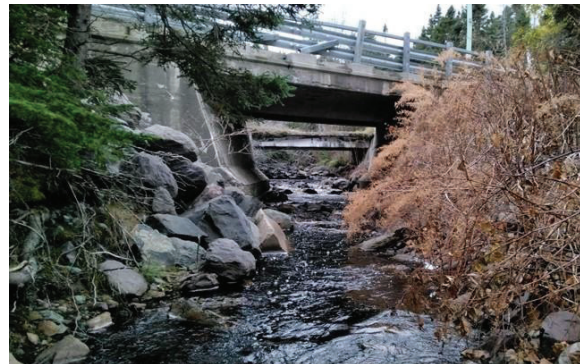


Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

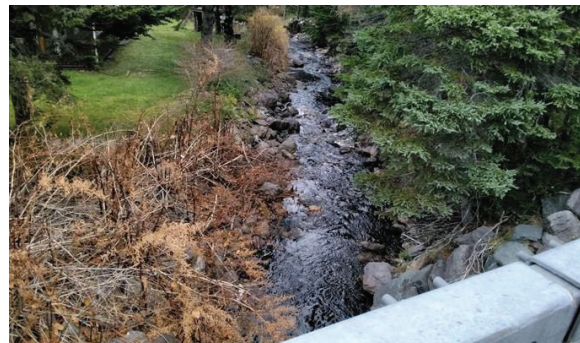


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_B005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235667.99 Easting: 230842.68

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	4.8	1	27.6



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

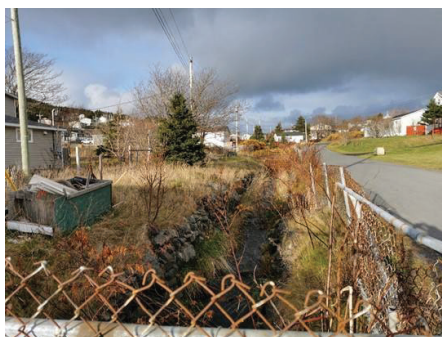


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_B008

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5235882.97 Easting: 230957.38

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	4.7	1	37.3



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_LC3_B011

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Local Creek 3

Structure Coordinates: MTM Zone 1 Northing: 5236103.59 Easting: 231153.38

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	10.1	1	42.1



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_NER_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Northeast River

Structure Coordinates: MTM Zone 1 Northing: 5237411.47 Easting: 241256.35

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	11.5	2	8.32



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_RB_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Smelt Brook

Structure Coordinates: MTM Zone 1 Northing: 5231926.25 Easting: 231583.41

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	4.5	1	16.75



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure

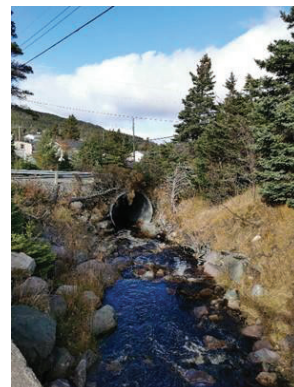


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – PL_SMB_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Smelt Brook

Structure Coordinates: MTM Zone 1 Northing: 5231470.15 Easting: 232632.71

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	16.7	1	4.38



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_CB_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Clark Brook

Structure Coordinates: MTM Zone 1 Northing: 5292107.05 Easting: 286674.45

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	8.37	1	51.97

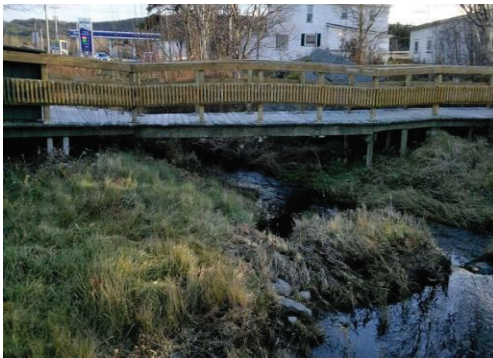


Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_DB_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Double Brook

Structure Coordinates: MTM Zone 1 Northing: 5291803.81 Easting: 287300.09

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	3.00	1	42.55



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

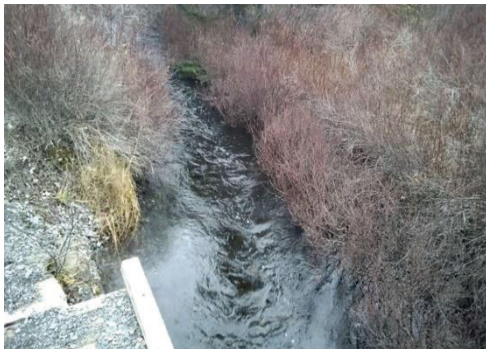


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_DB_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Double Brook

Structure Coordinates: MTM Zone 1 Northing: 5292100.20 Easting: 286883.48

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	6.1	1	53.23



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SB_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Spout Brook

Structure Coordinates: MTM Zone 1 Northing: 5293251.88 Easting: 290155.24

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	7.9	1	1.82



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

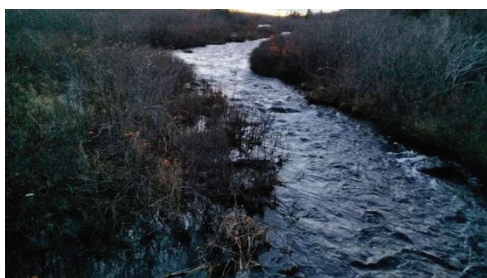


Photo 3: Looking Upstream from Structure

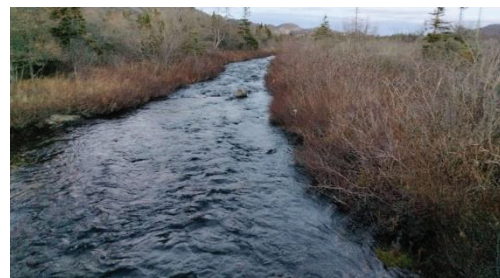


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SB_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Spout Brook

Structure Coordinates: MTM Zone 1 Northing: 5293168.20 Easting: 289917.40

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	7.0	1	14.76



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SB_B003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Spout Brook

Structure Coordinates: MTM Zone 1 Northing: 5292885.66 Easting: 288646.77

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	3.8	1	32.54



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

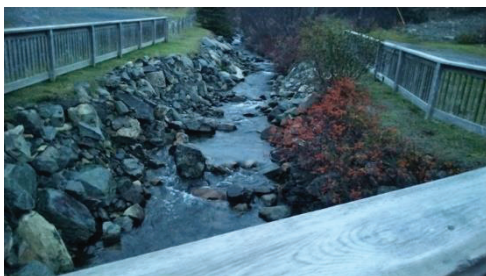


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B001

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5293644.43 Easting: 292199.11

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	6.77	3	1.81



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

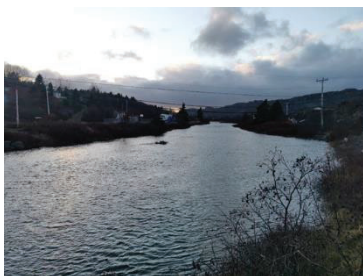


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B002

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5293710.04 Easting: 291692.59

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	28.0	1	4.23



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

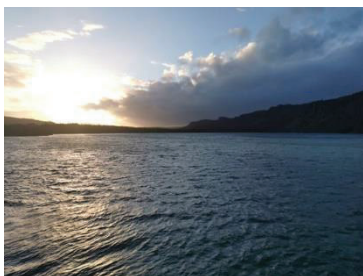


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B003

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5293357.73 Easting: 291433.38

Bridge Type	Span Width	Number of Spans	Top of Road
Wood	12.6	1	2.931



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B004

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5293057.46 Easting: 291361.70

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	18.9	1	9.41



Photo 1: Upstream End of Structure

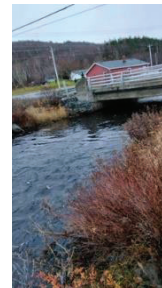


Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B005

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5292882.14 Easting: 290999.84

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	25.1	1	18.10



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B006

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5291999.97 Easting: 288628.68

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	11.7	1	38.06



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

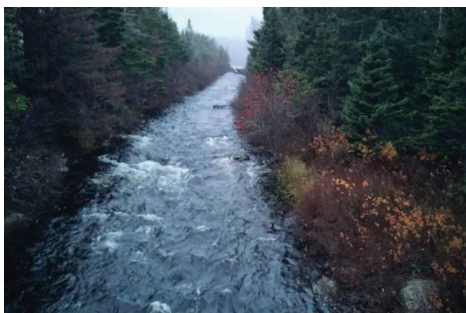


Photo 3: Looking Upstream from Structure

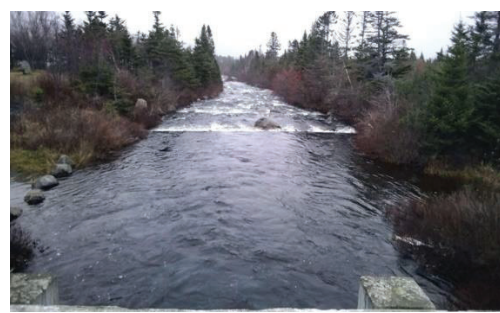


Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B007

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5291605.78 Easting: 286893.80

Bridge Type	Span Width	Number of Spans	Top of Road
Concrete	19.3	1	50.94



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B008

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5291373.85 Easting: 286039.04

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	9.15	2	59.40



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure



Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure

Crossing Data Sheet – VSC_SCR_B009

Project: Climate Change Flood Risk Mapping Study for Placentia, Carbonear, Victoria & Salmon Cove

Structure Type: Bridge

Watercourse: Salmon Cove River

Structure Coordinates: MTM Zone 1 Northing: 5291224.90 Easting: 284852.79

Bridge Type	Span Width	Number of Spans	Top of Road
Wood/Steel	6.9	1	74.53



Photo 1: Upstream End of Structure



Photo 2: Downstream End of Structure

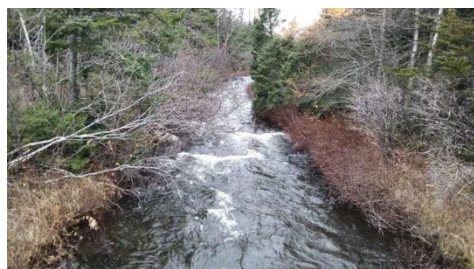


Photo 3: Looking Upstream from Structure



Photo 4: Looking Downstream from Structure