Stantec

AMHERST ISLAND WIND ENERGY PROJECT WATER ASSESSMENT AND WATER BODY REPORT

Appendix B

Photographic Record

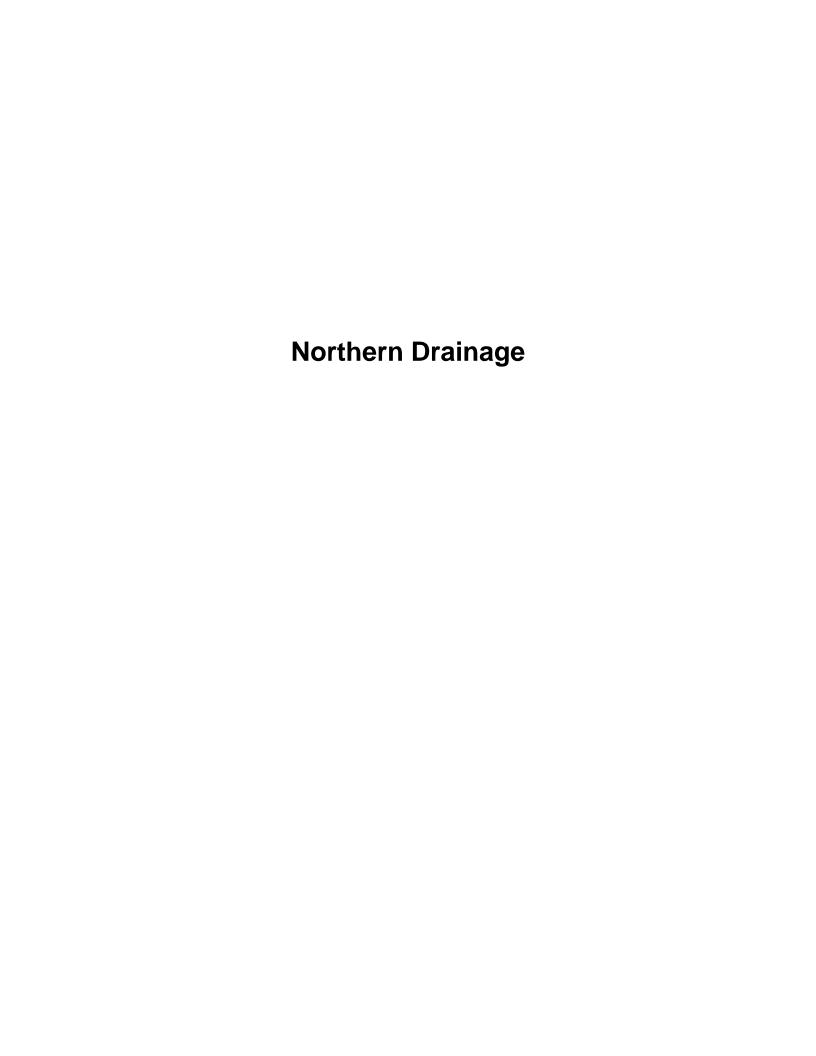




Photo 1 Station 3 – upstream view from Front Road showing surficial drainage through pasture.



Photo 2 Station 3 – downstream view from Front Road showing channel overview.



Photo 3 Station 1 – upstream view of main channel from Front Road showing channel overview.



Photo 4 Station 1 – incised drainage channel flowing south through agricultural fields and connecting with main channel approximately 50 m upstream



Photo 5 Station 1 – channel branching to the west, consisting of diffuse surficial drainage from an on-line pond



Photo 6 Station 1 – channel branching to the southwest, consisting of diffuse surficial drainage



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APPENDIX B

TITLE

Photolog

PAGE



Photo 7 Station 1 – downstream view from Front Road towards Lake Ontario

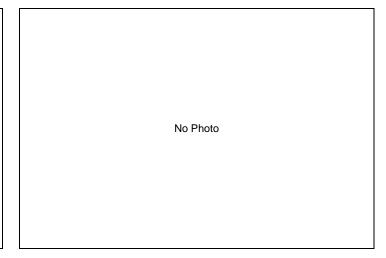




Photo 8 Station 31 – upstream view of mapped watercourse, no evidence of a channel or drainage



Photo 9 Station 31 – downstream view of mapped watercourse, no evidence of a channel or drainage



Photo 10 Station 32 – upstream view of mapped watercourse, no evidence of a channel or drainage



Photo 11 Station 32 – downstream view of mapped watercourse, no evidence of a channel or drainage



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APPENDIX B

Photolog

PAG



Photo 12 Station 33 - upstream view of mapped watercourse, no evidence of a channel or drainage



Photo 13 Station 33 - downstream view of mapped watercourse, no evidence of a channel, just some diffuse surficial drainage



Photo 14 Station 56 – upstream view from Stella 40 Foot Road showing surficial drainage through field.



Photo 15 Station 56 – downstream view from Stella 40 Foot Road showing surficial drainage through field.



Photo 16 Station 55 – downstream view from Front Road showing channel overview.



Photo 17 Station 55 – downstream overview showing channel and foot bridge.



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APPENDIX B

TITLE

Photolog

PAG



Photo 18 Station 55 – upstream view from Front Road showing channel overview.



Photo 19 Station 57 – facing upstream from Front Road showing channel overview



Photo 20 Station 57 – facing downstream from Front Road towards Lake Ontario



Photo 21 Station 21 – upstream view of surficial drainage through adjacent pasture



Photo 22 Station 21 – upstream of Front Road, downstream view towards road of channel



Photo 23 Station 21 – downstream view from Front Road



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B

Photolog

PAGE

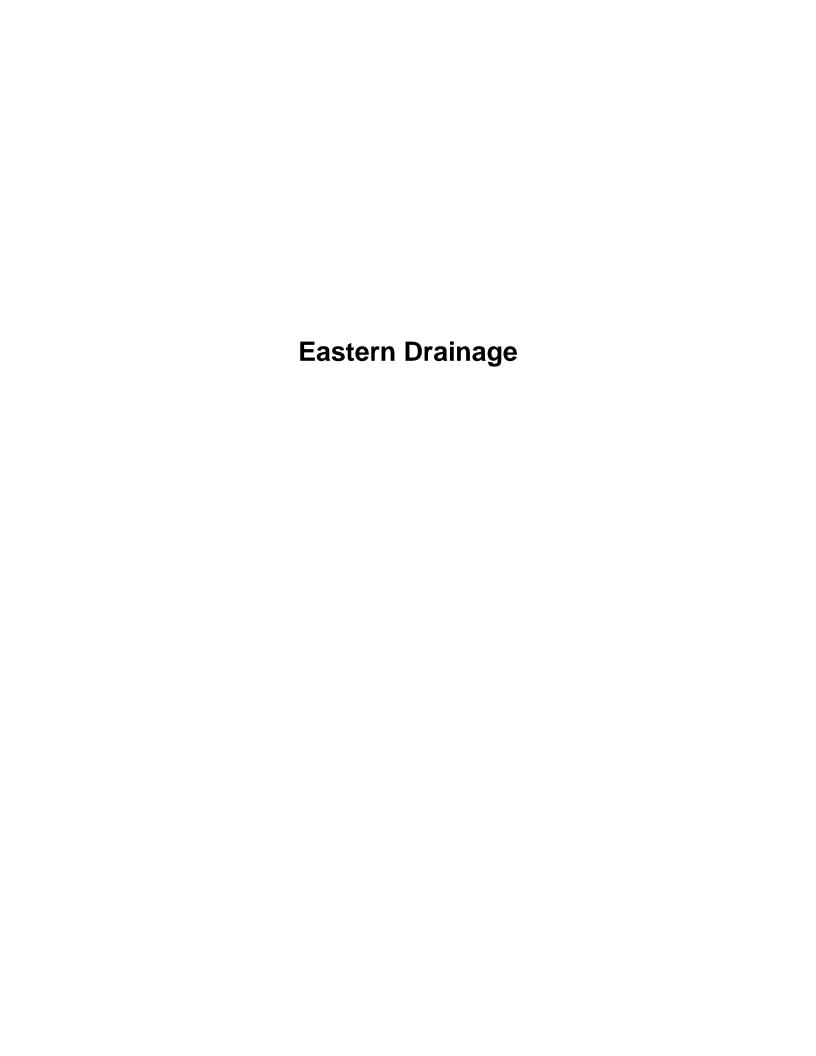




Photo 1 Station 30 – upstream view from Front Road of surficial drainage through field



Photo 2 Station 30 – downstream view of braided flow through grasses situated between Front Road and driveway access road



Photo 3 Station 58 – downstream view from Front Road showing dry channel through Reed Canary Grass floodplain.



Photo 4 Station 58 – Close-up of culvert and dry channel.



Photo 5 Station 29 – upstream view from farm crossing of surficial drainage. Some erosion was noted and is a result of an under-sized culvert at the access road



Photo 6 Station 29 – downstream view from farm crossing of surficial drainage through low-lying area in field



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Eastern Drainage Photolog



Photo 7 Station 9 – upstream view from Lower 40 Foot Road through adjacent agricultural field



Photo 8 Station 9 – downstream view from Lower 40 Foot Road, extremely sinuous channel flowing toward Lake Ontario



Photo 9 Station 28 – upstream view from farm crossing of ponded area resulting from previous rainfall



Photo 10 Station 28 – downstream view from farm crossing of surficial drainage through field



Photo 11 Station 8 – upstream view from Lower 40 Foot Road through adjacent woodlot



Photo 12 Station 8 – downstream view from Lower 40 Foot Road through pasture



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Eastern Drainage Photolog



Photo 13 Station 11 – upstream view of diffuse surficial drainage through agricultural field



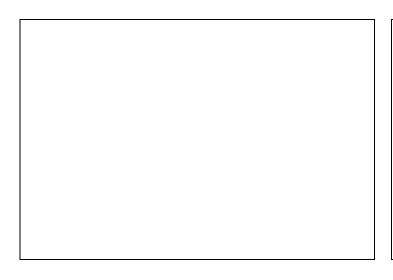
Photo 14 Station 11 – downstream view of diffuse surficial drainage through agricultural field



Photo 15 Station 7 – upstream view from Lower 40 Foot Road, diffuse surficial drainage through pasture



Photo 16 Station 7 – downstream view from Lower 40 Foot Road, sinuous and eroded channel through pasture





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Eastern Drainage Photolog

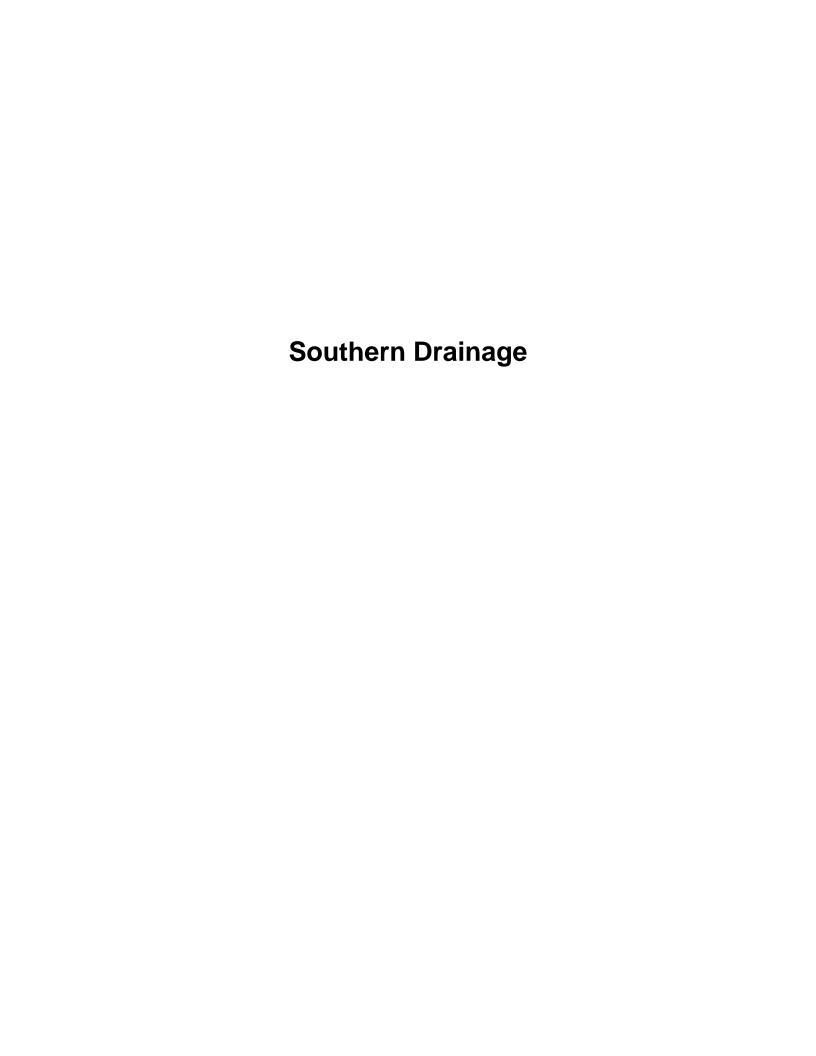




Photo 1 Station 10 – upstream view from South Shore Road, diffuse surficial drainage through pasture



Photo 2 Station 10 – downstream view from South Shore Road, perched culvert outletting to limestome bedrock along Lake Ontario shoreline



Photo 3 Station 12 – upstream view from South Shore Road of surficial drainage through agricultural field



Photo 4 Station 12 – downstream view from South Shore Road, perched culvert outletting to limestome bedrock along Lake Ontario shoreline



Photo 5 Station 13 – upstream view from South Shore Road of surficial drainage through agricultural field



Station 13 – downstream view from South Shore Road, perched culvert outletting to limestome bedrock along Lake Ontario shoreline



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TITLE



Photo 7 Station 14 – upstream view of surficial drainage through agricultural field



Photo 8 Station 14 – downstream view of surficial drainage through agricultural field



Photo 9 Station 18 – upstream view of diffuse surficial drainage through agricultural field



Photo 10 Station 18 – upstream view from farm crossing of flooded wooded area



Photo 11 Station 18 – flooded farm crossing, Brook Stickleback captured in pool at this location



Photo 12 Station 18 – downstream view from flooded farm crossing



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APPENDIX B

TITI F

Southern Drainage Photolog

PAGE



Photo 13 Station 19 – upstream from Stella 40 Foot Road



Photo 14 Station 19 – downstream from Stella 40 Foot Road



Photo 15 Station 52 – upstream view along 2nd Concession showing channel overview.



Photo 16 Station 52 – downstream view along 2nd Concession showing channel and riparian vegetation.



Photo 17 Station 36 – upstream view from Second Concession Road



Photo 18 Station 36 - downstream view from Second Concession Road



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B

TITI F



Photo 19 Station 38 - upstream view through pasture



Photo 20 Station 38 - downstream view of confluence with larger watercourse



Photo 21 Station 34 – upstream view from inside woodlot, near proposed crossing



Photo 22 Station 34 - downstream view from inside woodlot, near proposed crossing



Photo 23 Station 35 – upstream view from Third Concession Road



Photo 24 Station 35 – downstream view from Third Concession Road



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PPENDIX B

TITI F



Photo 25 Station 53 – Upstream view from 2nd Concession showing channel overview.



Photo 26 Station 20 – upstream from Second Concession Road, view along north side of the road



Photo 27 Station 20 – downstream from Second Concession Road, view along south side of the road



Photo 28 Station 60 – Facing south from 2nd Concession showing riparian area associated with short channel between Station 20 and Station 37.



- 1



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B

TITLE

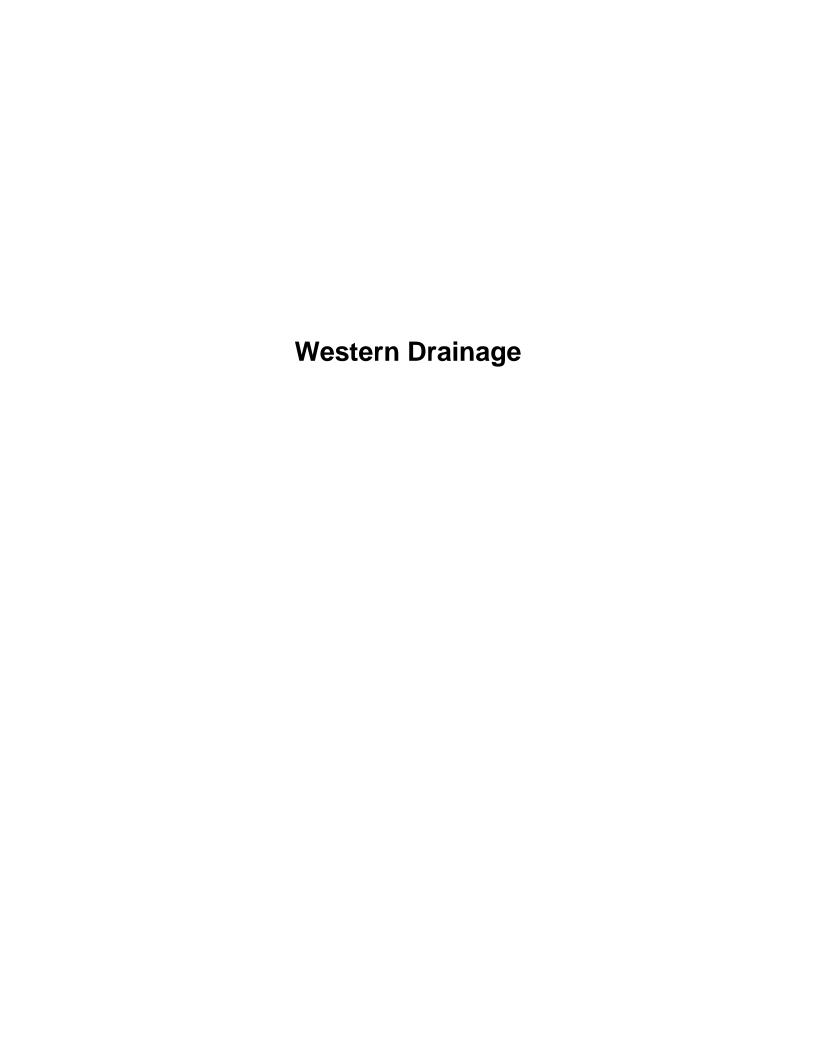




Photo 1 Station 41 – upstream view from station showing illdefined grassy swale.



Photo 2 Station 41 – downstream view from station showing ill-defined grassy swale.



Photo 3 Station 27 – upstream through agricultural field, view looking northeast at eroded bend



Photo 4 Station 27 – downstream view through agricultural field of



Photo 5 Station 51 – upstream view from 2nd Concession showing channel flowing along the east side of a wooded area.



Photo 6 Station 51 – downstream view from 2nd Concession showing channel overview along treeline.



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APPENDIX B

TITLE

Western Drainage Photolog



Photo 7 Station 40 – upstream view showing lack of channel through pasture.



Photo 8 Station 40 – downstream view showing lack of channel definition through pasture.



Photo 9 Station 26 – upstream from Emerald 40 Foot Road of surficial drainage through field



Photo 10 Station 26 – downstream from Emerald 40 Foot Road of surficial drainage through field and minor ponding due to previous rain



Photo 11 Station 6 – downstream view from Art McGinns Road



Photo 12 Station 7 – upstream view from Lower 40 Foot Road, diffuse surficial drainage through pasture



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APPENDIX B

TITLE

Western Drainage Photolog



Photo 13 Station 25 – upstream view from Second Concession Road



Photo 14 Station 25 – downstream view from Second Concession Road through adjacent pasture



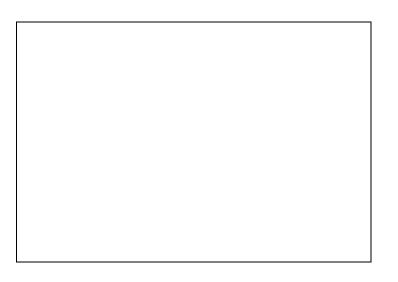
Photo 15 Station 54 – upstream view from 2nd Concession showing surficial drainage through wooded area and pasture.



Photo 16 Station 50 – upstream view from Art McGinns Road showing lack of channel definition.



Photo 17 Station 50 – downstream view from Art McGinns Road showing surficial drainage through agricultural fields.





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Western Drainage Photolog

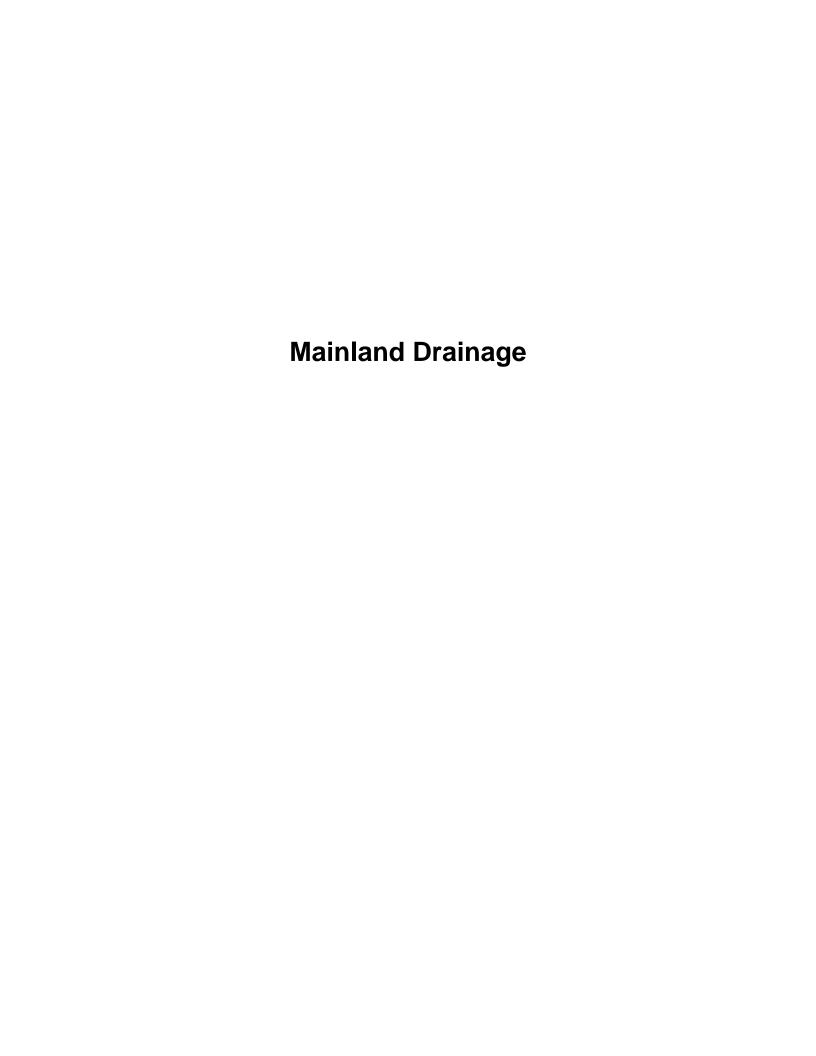




Photo 1 M1 – Facing upstream from Bath Road, showing channel



Photo 2 M1 – Facing downstream from Bath Road showing channel and Lake Ontario.



Photo 3 Tributary of M1 facing west from east end (from Invista access road)



Photo 4 M2 – Facing upstream showing cattail lined channel.



Photo 5 M2 – Facing downstream showing culvert and direct connection to Lake Ontario.



Photo 6 M6 – Facing upstream showing surficial drainage



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B

Mainland Photolog

PAGE



Photo 7 M3 – Facing upstream from Jim Snow Drive



Photo 8 M3 – Facing downstream from Jim Snow Drive



Photo 9 M4 – Facing upstream from Taylor Kidd Boulevard showing lack of channel.



Photo 10 M4 – Facing downstream along Taylor Kidd Boulevard showing shallow channel.



Photo 11 M9 – Facing upstream along Taylor Kidd Boulevard showing cattail lined channel.



Photo 12 M9 – Facing downstream along Taylor Kidd Boulevard showing channel overview.



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Mainland Photolog

PAGE



Photo 13 M5 – Facing downstream from Taylor Kidd Boulevard showing channel overview



Photo 14 M5 – Facing upstream from Taylor Kidd Boulevard showing channel overview.



Photo 15 M7 – Facing upstream showing channel overview.



Photo 16 M7 – Facing downstream showing channel and vegetation.



Photo 17 M10 – Facing upstream showing channel overview and possible patch of watercress.



Photo 18 M10 – facing downstream showing diffuse, surficial flow into cattail wetland.



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Mainland Photolog

PAGE



M11 – Facing upstream showing lack of channel.



M11 – Facing north showing tractor path through low-lying wet area with no defined channel. Photo 20



M11 – Facing downstream showing low-lying wet area with no defined channel. Photo 21



Photo 22

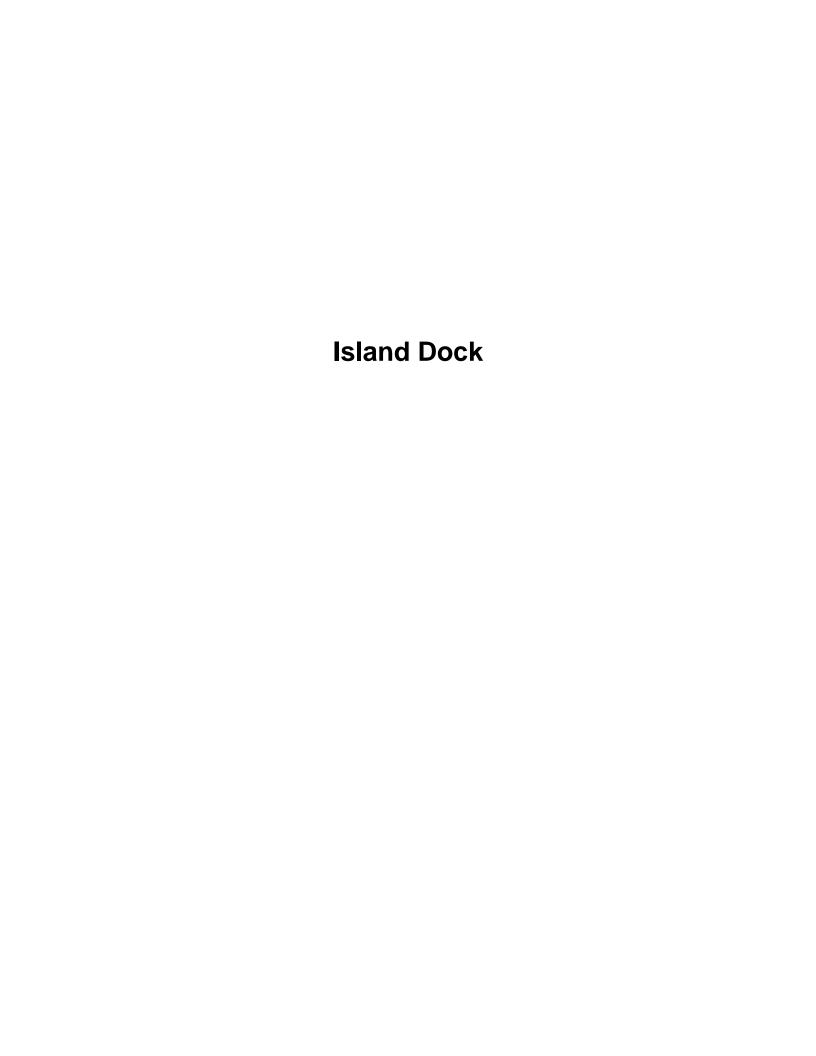


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Mainland Photolog





Shoreline near the proposed island dock/cable landing location (Stantec, 2011) Photo 1



Substrate in the nearshore area at island dock/cable Photo 2 landing location (Stantec, 2011).



Facing west along the shoreline at the proposed island dock/cable landing location (2012) Photo 3



Facing east along the shoreline at the proposed island dock/cable landing location (2012) Photo 4



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APPENDIX В

Island Dock and Cable Landing



TR1



TR1



TR1



TR1



TR2



TR2



TR2



TR2



Sediment Sampling Station CR 20



Sediment Sampling Station CR 20



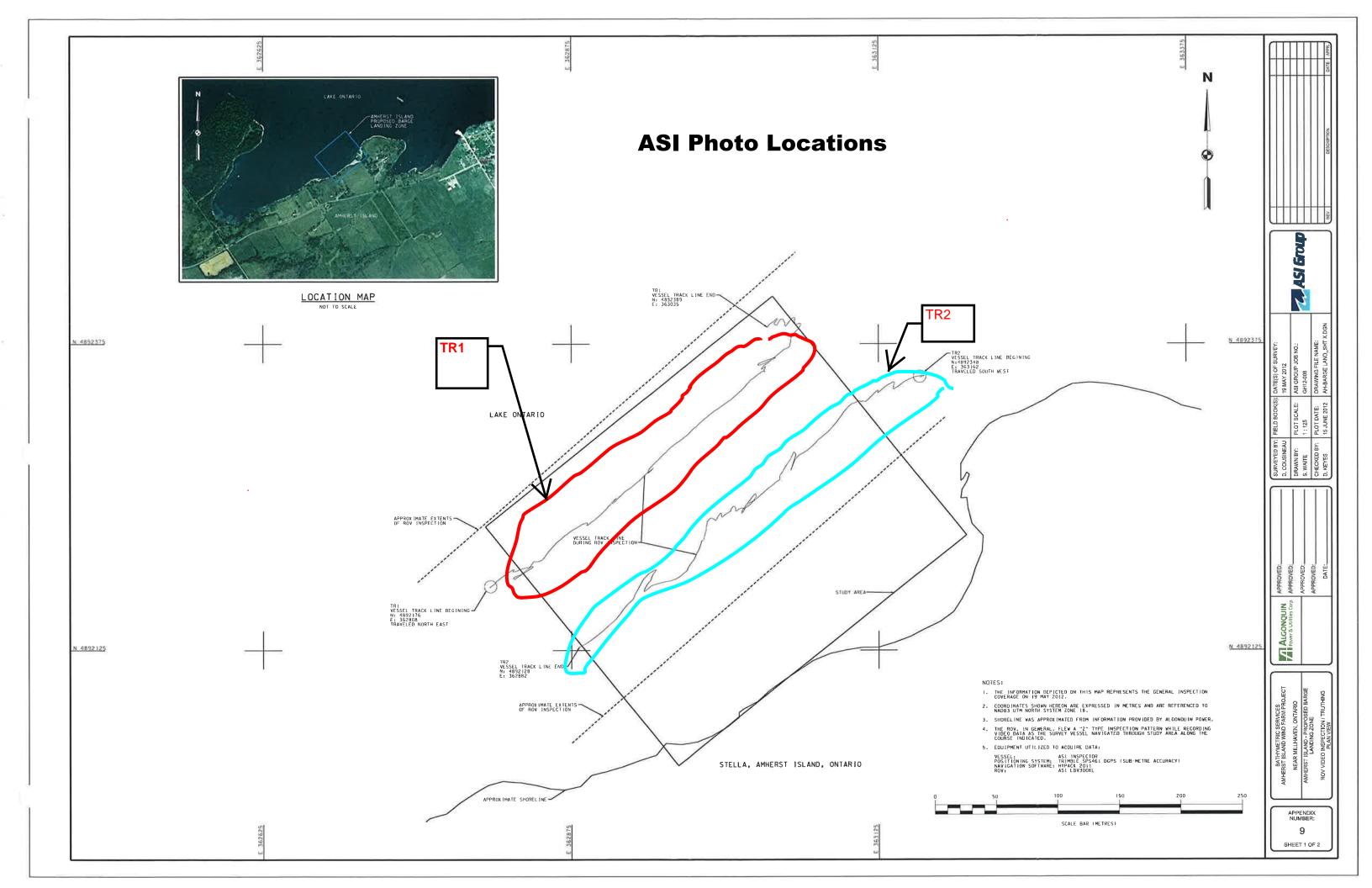
Sediment Sampling Station CR 20

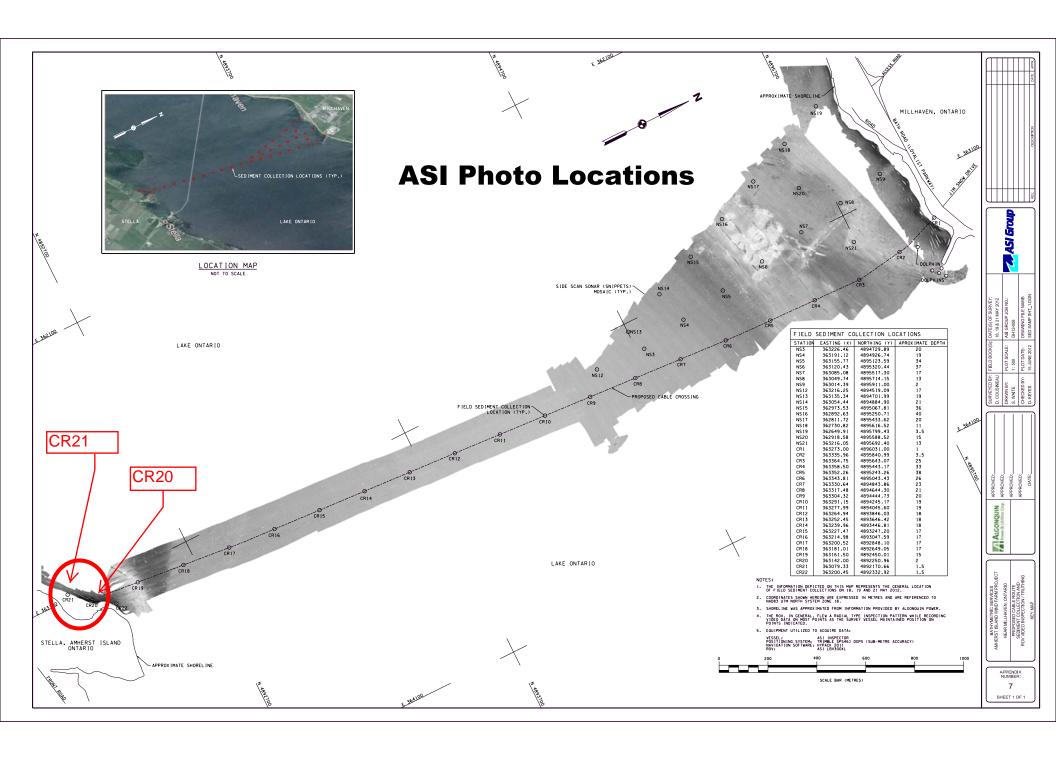


Sediment Sampling Station CR 20



Sediment Sampling Station CR 20





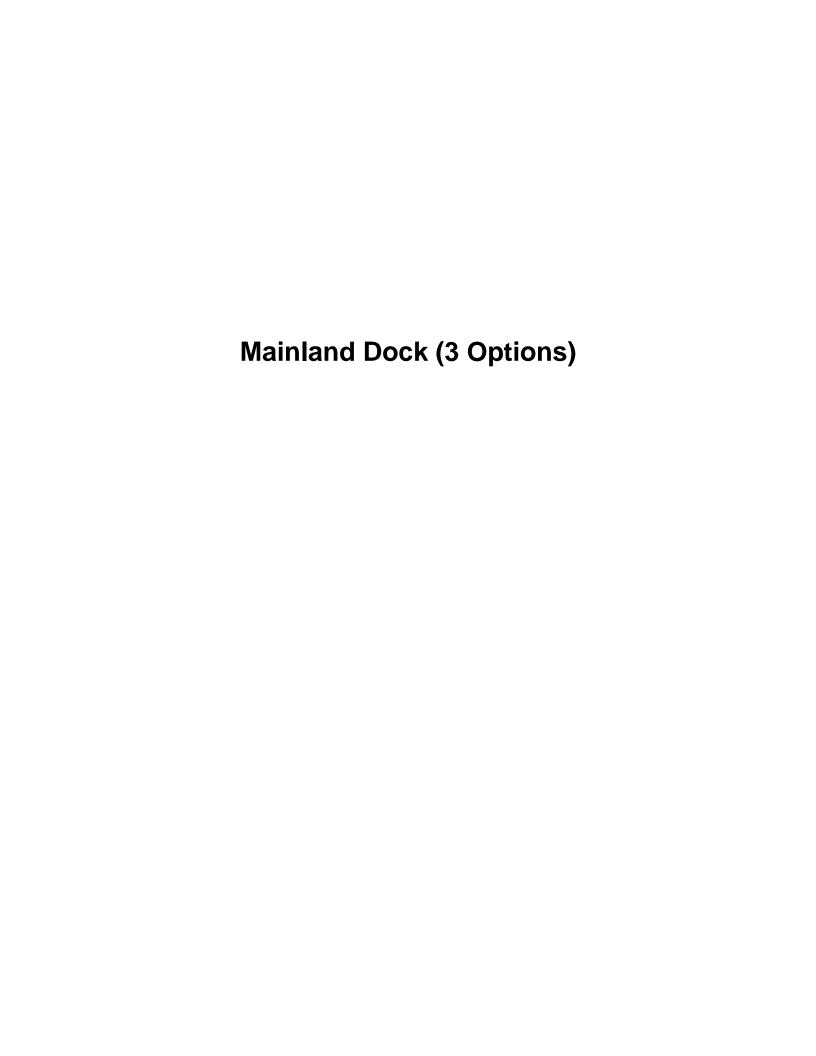




Photo 1 West Dock Option - Location of Photos 2 to 4



Photo 2 Facing east from location in Photo 1



Photo 3 Facing west from location in Photo 1



Photo 4 Shoreline at Photo 1.

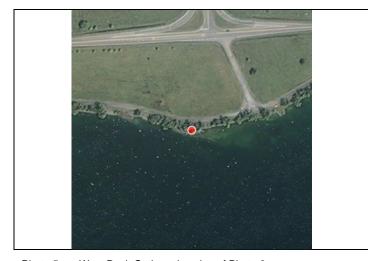


Photo 5 West Dock Option - location of Photo 6



Photo 6 Facing east from location in Photo 5



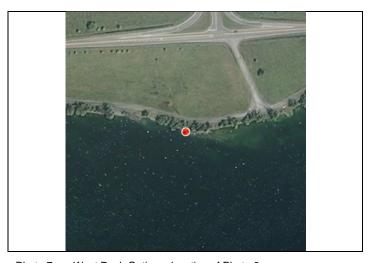
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APPENDIX В

West Dock and Cable Landing Area

1 of 2



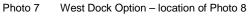




Photo 8 Facing west from location in Photo 7



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APPENDIX В

West Dock and Cable Landing Area



Aquatic Vegetation at West Dock Option, Stantec, 2011



ASI Sediment Station NS 19



ASI Sediment Station NS 19



ASI Sediment Station NS 19



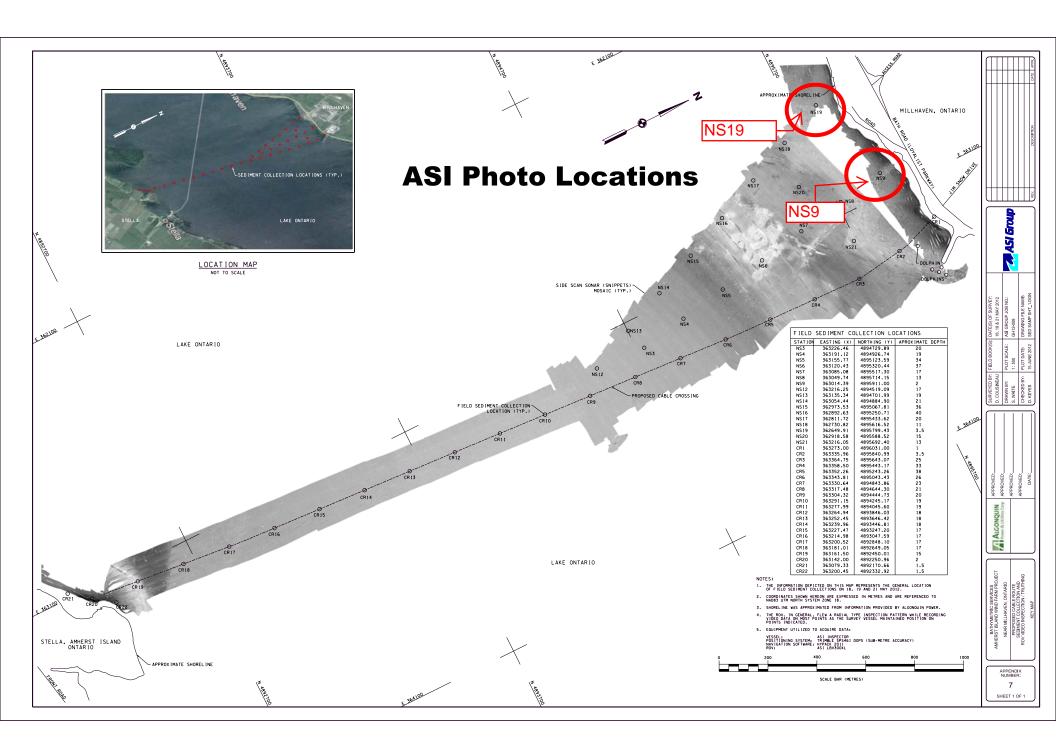
ASI Sediment Station NS 9



ASI Sediment Station NS 9



ASI Sediment Station NS 9



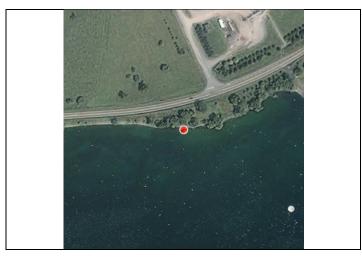


Photo 1 Centre Dock Option – location of Photo 2



Photo 2 Facing east from location in Photo 1



Photo 3 Centre Dock Option – location of Photo 4.



Photo 4 Facing west from location in Photo 3.



Photo 5 Centre Dock Option – location of Photo 6



Photo 6 Facing east from location in Photo 5



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APPENDIX B

TITLE

Centre Dock and Cable Landing Area

PAG



Aquatic Vegetation at Centre Dock Option, Stantec, 2011



ASI Sediment Sampling Station CR1 (May 2012)



ASI Sediment Sampling Station CR1 (May 2012)



ASI Sediment Sampling Station CR1 (May 2012)



ASI Sediment Sampling Station CR1 (May 2012)



ASI Sediment Sampling Station CR02



ASI Sediment Sampling Station CR02

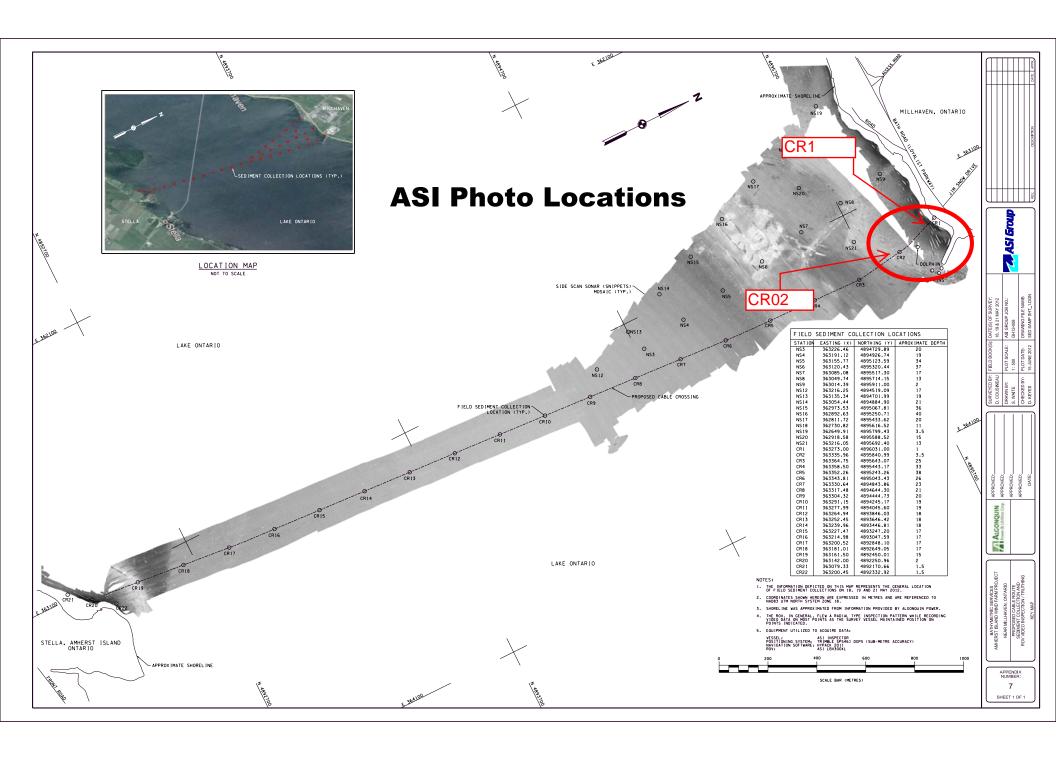




Photo 1 East Dock Option – location of Photo 2



Photo 2 Facing south from location in Photo 1



Photo 3 East Dock Option – location of Photo 4



Photo 4 Facing east from location in Photo 3.



Photo 5 East Dock Option – location of Photo 6



Photo 6 Facing east from location in Photo 5



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APPENDIX B

East Dock and Cable Landing Area

PAG

1 of 2



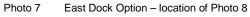




Photo 8 Facing east from location in Photo 7



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TITLE

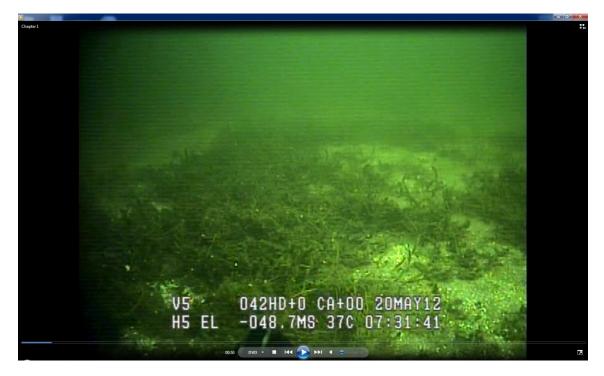
East Dock and Cable Landing Area

PA

2 of 2



Aquatic Vegetation at Dock East Option, Stantec, 2011



ROV RAD INSP_8 (RR8)



RR8



RR8



RR8



RR8



ROV RAD INSP_9 (RR9)



RR9



RR9



RR9



RR9



ROV RAD INSP_10 (RR10)



RR10



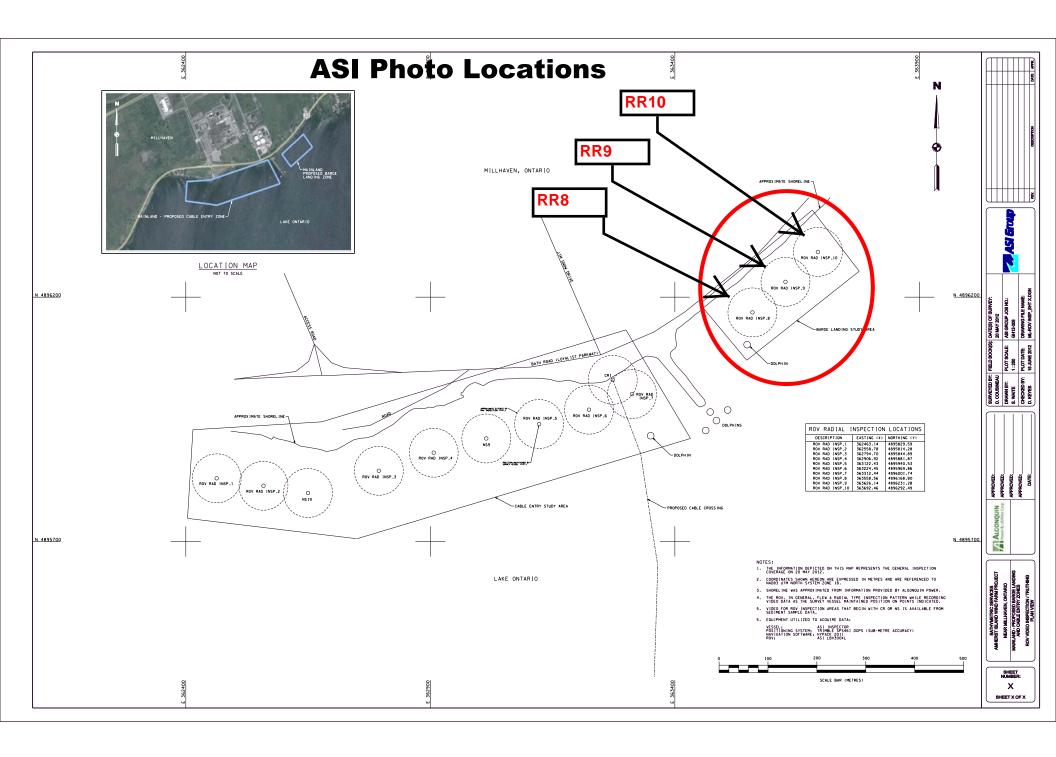
RR10

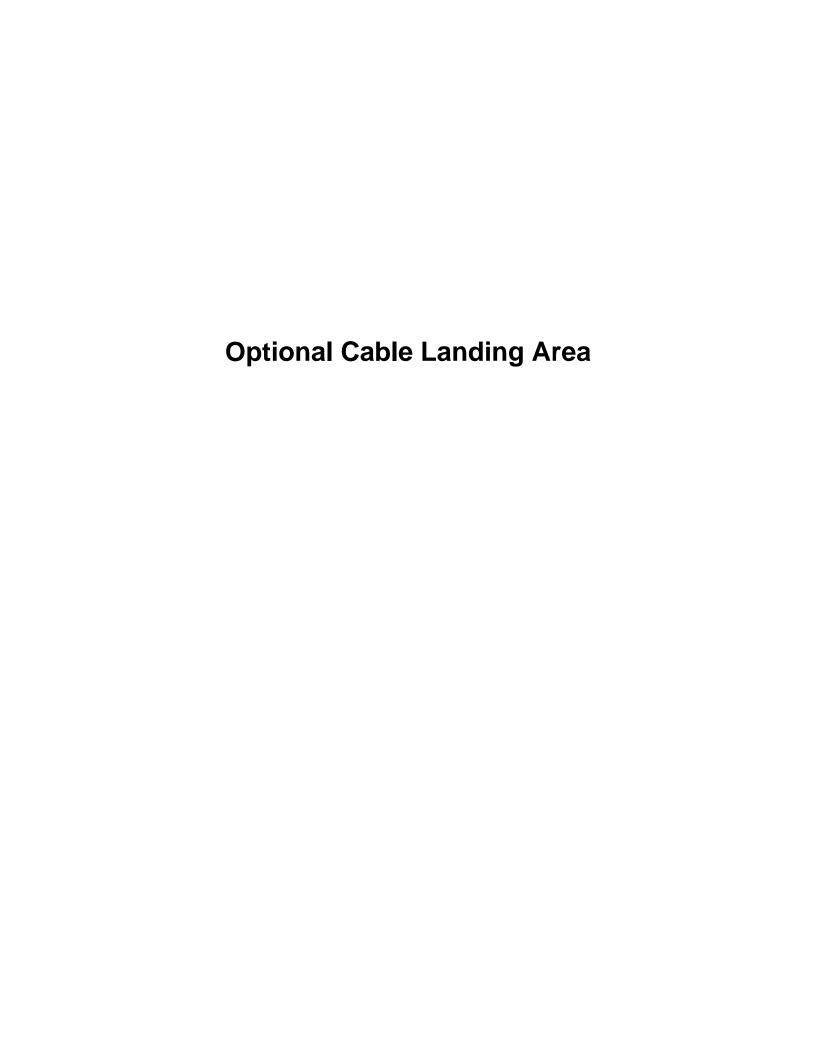


RR10



RR10







Facing west along shoreline at Optional Cable Landing location Photo 1



Facing west along shoreline at Optional Cable Landing location Photo 2



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Optional Cable Landing Area