



Photo 1: Station R11T012-1 – North Forks Drain (Summer 2012) - Facing upstream (east) north of Highway 3, showing channel in forested area.



Photo 2: Station R11T012-1 – North Forks Drain (Summer 2012) - North of Highway 3, showing substrate of channel and aquatic vegetation.



Photo 3: Station R11T013-2 – North Forks Drain (Summer 2012) - Facing upstream (east) north of Highway 3, showing channel overview.



Photo 4: Station R11T013-2 – North Forks Drain (Summer 2012) - Facing downstream (west) north of Highway 3, showing channel overview.



Photo 5: Station R11T013-2 – North Forks Drain (Summer 2012) - North of Highway 3, showing close up of channel and instream vegetation.



Photo 6: Station R11T013-1 – North Forks Drain (Summer 2012) - Facing upstream (east) north of Highway 3, showing agricultural swale.

Filepath:



Photo 7: Station R11T013-1 – North Forks Drain (Summer 2012) - Facing downstream (west) north of Highway 3, showing agricultural swale.



Photo 8: Station R11T019H-1 – North Forks Drain (Summer 2012) - Facing upstream (east) north of Highway 3, showing channel and riparian vegetation.



Photo 9: Station R11T019H-1 – North Forks Drain (Summer 2012) - Facing downstream (west) north of Highway 3, showing riparian vegetation.



Photo 10: Station R11T019H-1 – North Forks Drain (Summer 2012) - North of Highway 3, showing channel's substrate.



Photo 11: Station R11T082 – North Forks Drain (Summer 2012) - Facing upstream (west) north of Highway 3, showing channel overview.



Photo 12: Station R11T082 – North Forks Drain (Summer 2012) - Facing downstream (east) north of Highway 3, showing channel overview.

Filepath:



Photo 13: Station R11T082-2 – North Forks Drain (Summer 2012) - Facing upstream (north) east of Gee Road, showing channel overview.



Photo 14: Station R11T082-2 – North Forks Drain (Summer 2012) - Facing downstream (south) east of Gee Road, showing channel overview.



Photo 15: Station R11T082-2 – North Forks Drain (Summer 2012) – East of Gee Road, showing channel's substrate.



Photo 16: Station R11T065-1 – Ellsworth Drain (Summer 2012) - Facing upstream (west) off of Dunnville Wainfleet Townline, showing channel overview.



Photo 17: Station R11T065-1 – Ellsworth Drain (Summer 2012) - Facing downstream (east) off of Dunnville Wainfleet Townline, showing channel overview.



Photo 18: Station R11T013-3 – Big Forks Creek (Summer 2012) - Facing upstream (east) south of Highway 3, showing channel overview and riparian vegetation.

Filepath:



Photo 19: Station R11T013-3 – Big Forks Creek (Summer 2012) - Facing downstream (west) south of Highway 3, showing channel overview and riparian vegetation.



Photo 20: Station R11T024-1 – Mill Race Creek (Summer 2012) - Facing upstream (west) west of Sideroad 30, showing channel overview and riparian vegetation.



Photo 21: Station R11T024-1 – Mill Race Creek (Summer 2012) - Facing downstream (east) west of Sideroad 30, showing channel overview and riparian vegetation.



Photo 22: Station R11T024-1 – Mill Race Creek (Summer 2012) - West of Sideroad 30, showing channel overview and riparian vegetation.



Photo 23: Station R11T089-1 – East Kelly Drain (Summer 2012) - Facing upstream (north) west of Dunnville Wainfleet Townline, showing channel overview and riparian vegetation.



Photo 24: Station R11T084-1 – East Kelly Drain (Summer 2012) - Facing upstream (west) south of Jenny Jumo Road, showing channel overview.

Filepath:



Photo 25: Station R11T084-1 – East Kelly Drain (Summer 2012) - Facing downstream (east) south of Jenny Jump Road, showing channel overview.



Photo 26: Station R11T089-3 – East Kelly Drain (Summer 2012) - Facing downstream (west) west of Dunnville Wainfleet Townline, showing channel overview and riparian vegetation.



Photo 27: Station R11T089-2 – East Kelly Drain (Summer 2012) - Facing downstream (south) west of Dunnville Wainfleet Townline, showing channel overview and riparian vegetation.

Filepath:





Photo 1: Station R11T052-2 – Beaver Creek (Summer 2012) - Facing upstream (north) south of Silver Street, showing agricultural swale in field.



Photo 2: Station R11T052-2 – Beaver Creek (Summer 2012) - Facing downstream (south) south of Silver Street, showing agricultural swale in field.



Photo 3: Station R11T052-4 – Beaver Creek (Summer 2012) - Facing upstream (north) south of Silver Street, showing agricultural swale in field.



Photo 4: Station R11T052-3 – Beaver Creek (Summer 2012) - Facing upstream (north) south of Silver Street, showing tile drained feature in field.



Photo 5: Station R11T052-3 – Beaver Creek (Summer 2012) – Facing east, south of Silver Street, showing tiled lowland in field.



Photo 6: Station R11T052-3 – Beaver Creek (Summer 2012) – Facing south, south of Silver Street, showing tiled lowland in field.

Filepath:



Photo 7: Station R11T052-5 – Beaver Creek (Summer 2012) - Facing upstream (northwest) south of Silver Street, showing tile drained feature in field.



Photo 8: Station R11T052-5 – Beaver Creek (Summer 2012) - Facing downstream (southeast) south of Silver Street, showing tile drained feature in field.



Photo 9: Station R11T08-1A – Beaver Creek (Summer 2012) - Facing east, south of Concession 3, showing tile drained feature in field.



Photo 10: Station R11T08-1A – Beaver Creek (Summer 2012) - Facing downstream (south) south of Concession 3, showing tile drained feature in field.



Photo 11: Station R11T08-3A – Beaver Creek (Summer 2012) - Facing upstream (north) south of Concession 3, showing channel overview.



Photo 12: Station R11T08-3A – Beaver Creek (Summer 2012) - Facing upstream (north) south of Concession 3, showing channel overview and instream vegetation.

Filepath:



Photo 13: Station R11T08-3B – Beaver Creek (Summer 2012) - Facing downstream (south) south of Concession 3, showing channel overview.



Photo 14: Station R11T08-1B – Beaver Creek (Summer 2012) - Facing upstream (north) south of Concession 3, showing location of where the channel starts outside of the field.



Photo 15: Station R11T081-1B – Beaver Creek (Summer 2012) - Facing downstream (south) south of Concession 3, showing channel overview and surrounding long grass.



Photo 16: Station R11T081-A – Black Ash Creek (Summer 2012) - Facing upstream (northwest) off of Concession 4, showing channel of Reed Canary Grass adjacent to manicured lawn.



Photo 17: Station R11T081-A – Black Ash Creek (Summer 2012) - Facing downstream (south) off of Concession 4, showing channel overview from culvert.



Photo 18: Station R11T081-A – Black Ash Creek (Summer 2012) – Off of Concession 4, showing dry channel substrate.

Filepath:



Photo 19: Station R11T097-2 – Black Ash Creek (Summer 2012) - Facing upstream (northwest) off of Silver Street, showing Channel overview and surrounded long grass.



Photo 20: Station R11T097-2 – Black Ash Creek (Summer 2012) - Facing downstream (southeast) off of Silver Street, showing channel overview.



Photo 21: Station R11T097-2 – Black Ash Creek (Summer 2012) - Off of Silver Street, showing water in channel by culvert.



Photo 22: Station R11T039 – Black Ash Creek (Summer 2012) - Facing upstream (northwest) south of Vaughan Road, showing agricultural swale.



Photo 23: Station R11T039 – Black Ash Creek (Summer 2012) - Facing downstream (southeast) south of Vaughan Road, showing agricultural swale.



Photo 24: Station R11T007 – Black Ash Creek (Summer 2012) - Facing upstream (west) north of Elcho Road, showing non-waterbody.

Filepath:



Photo 25: Station R11T007 – Black Ash Creek (Summer 2012) - Facing downstream (east) north of Elcho Road, showing non-waterbody.



Photo 26: Station R11T094-2 – Parker Creek (Summer 2012) - Facing south, north of Concession 4, showing non-waterbody.



Photo 27: Station R11T094-2 – Parker Creek (Summer 2012) - Facing south, north of Concession 4, showing non-waterbody.



Photo 28: Station R11T094-1 – Parker Creek (Summer 2012) - Facing upstream (northwest) north of Concession 4, showing channel and surrounding vegetation.



Photo 29: Station R11T094-1 – Parker Creek (Summer 2012) - Facing downstream (southeast) north of Concession 4, showing dry channel.



Photo 30: Station R11T093-1a – Parker Creek (Summer 2012) - Facing upstream (northwest) south of Concession 4, showing non-waterbody in field.

Filepath:



Photo 31: Station R11T093-1a – Parker Creek (Summer 2012) - Facing downstream (southeast) south of Concession 4, showing non-waterbody in field.



Photo 32: Station R11T093-2 – Parker Creek (Summer 2012) - Facing upstream (northwest) east of Port Davidson Road, showing channel and surrounding aquatic vegetation.



Photo 33: Station R11T093-2 – Parker Creek (Summer 2012) - Facing downstream (southeast) east of Port Davidson Road, showing channel and surrounding aquatic vegetation.



Photo 34: Station R11T093-2 – Parker Creek (Summer 2012) - East of Port Davidson Road, showing channel's substrate.



Photo 35: Station R11T093-1B – Parker Creek (Summer 2012) - Facing upstream (northwest) east of Port Davidson Road, showing channel overview.



Photo 36: Station R11T093-1B – Parker Creek (Summer 2012) - Facing downstream (southeast) east of Port Davidson Road, showing channel and surrounding aquatic vegetation.

Filepath:



Photo 37: Station R11T036-1 – Parker Creek (Summer 2012) - Facing upstream (west) south of Elcho Road, showing channel and riparian vegetation.



Photo 38: Station R11T036-1 – Parker Creek (Summer 2012) - Facing downstream (east) south of Elcho Road, showing channel overview.



Photo 39: Station R11T038-1 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) south of Silver Street, showing channel and adjacent agricultural field.



Photo 40: Station R11T038-1 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) south of Silver Street, showing channel overview.



Photo 41: Station R11T038-2 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (northeast) south of Silver Street, showing non-waterbody.



Photo 42: Station R11T038-2 – Unnamed Creek of Central Welland River (Summer 2012) - South of Silver Street, showing substrate of non-waterbody.

Filepath:



Photo 43: Station R11T001-1 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) off of Vaughan Road, showing channel overview and surrounding Reed Canary Grass.



Photo 44: Station R11T001-1 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) off of Vaughan Road, showing channel overview and surrounding Reed Canary Grass.



Photo 45: Station R11T076 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (northeast) north of Vaughan Road, showing surficial drain in agricultural field.



Photo 46: Station R11T076 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) north of Vaughan Road, showing isolated low wet area.



Photo 47: Station R11T031-8 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) off of Vaughan Road, showing dry channel and surrounding vegetation.



Photo 48: Station R11T031-8 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) off of Vaughan Road, showing dry channel within surrounding grasses.

Filepath:



Photo 49: Station R11T031-11 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) off of Vaughan Road, showing channel overview.



Photo 50: Station R11T031-11 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) off of Vaughan Road, showing where tile drainage begins and edge of agricultural field.



Photo 51: Station R11T031-10 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) south side of Vaughan Road, showing surficial drain in agricultural swale.



Photo 52: Station R11T055 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) south of Vaughan Road, showing channel overview.



Photo 53: Station R11T055 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) south of Vaughan Road, showing channel overview.



Photo 54: Station R11T055 – Unnamed Creek of Central Welland River (Summer 2012) - South of Vaughan Road, showing channel's substrate.

Filepath:



Photo 55: Station R11T032 – Unnamed Creek of Central Welland River (Summer 2012) - Facing upstream (north) off of Elcho Road, showing channel overview.



Photo 56: Station R11T032 – Unnamed Creek of Central Welland River (Summer 2012) - Facing downstream (south) off of Elcho Road, showing channel overview and instream vegetation.



Photo 57: Station R11T032 – Unnamed Creek of Central Welland River (Summer 2012) – Off of Elcho Road, showing a close up of in stream aquatic vegetation.



Photo 58: Station R11T002-1 – Sucker Creek (Summer 2012) - Facing upstream (northeast) north of Vaughan Road, showing tile drained field.



Photo 59: Station R11T002-3 – Sucker Creek (Summer 2012) - Facing upstream (north) north of Vaughan Road, showing channel and thick riparian vegetation.



Photo 60: Station R11T002-3 – Sucker Creek (Summer 2012) - Facing downstream (south) north of Vaughan Road, showing tile drained field.

Filepath:



Photo 61: Station R11T002-3 – Sucker Creek (Summer 2012) - Off of Vaughan Road, showing water in channel and substrate.

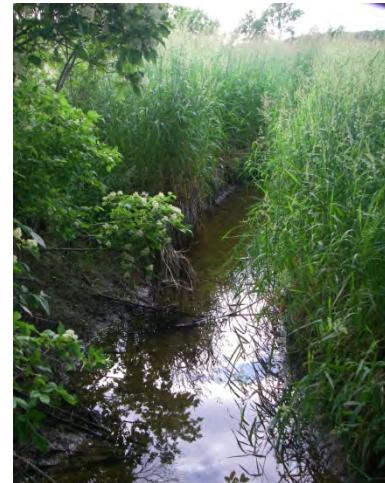


Photo 62: Station R11T033-1 – Sucker Creek (Summer 2012) - Facing upstream (northeast) off of Gee Road, showing channel overview and surrounding Reed Canary Grass.



Photo 63: Station R11T033-1 – Sucker Creek (Summer 2012) - Facing downstream (southwest) off of Gee Road, showing channel overview and surrounding Reed Canary Grass.

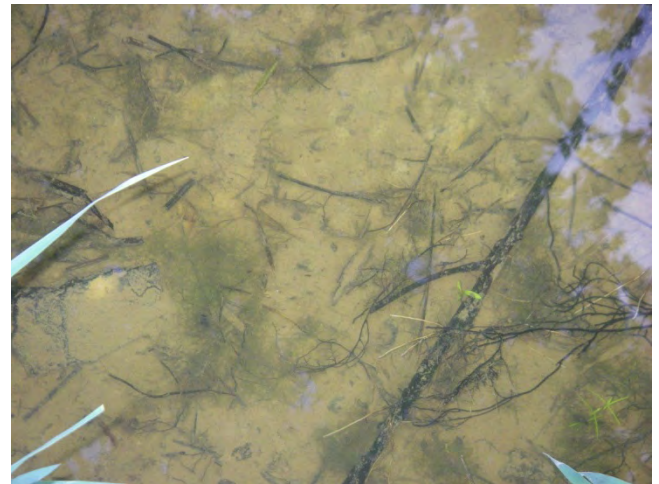


Photo 64: Station R11T033-1 – Sucker Creek (Summer 2012) - Off of Gee Road, showing channel's substrate.



Photo 65: Station R11T002-2 – Sucker Creek (Summer 2012) - Facing upstream (northeast) off of Gee Road, showing tile-drained field.



Photo 66: Station R11T035H – Sucker Creek (Summer 2012) - Facing upstream (north) off of Gee Road, showing deeply incised channel.

Filepath:



Photo 67: Station R11T035H – Sucker Creek (Summer 2012) - Facing downstream (south) off of Gee Road, showing deeply incised channel.



Photo 68: Station R11T078H – Welland River (Summer 2012) - Facing upstream (north) off of Vaughan Road, showing channel overview and adjacent field.



Photo 69: Station R11T078H – Welland River (Summer 2012) - Facing downstream (south) off of Vaughan Road, showing channel overview and adjacent field.



Photo 70: Station R11T078H-2 – Welland River (Summer 2012) - Facing upstream (north) off of Vaughan Road, showing channel overview and adjacent field.



Photo 71: Station R11T078H-2 – Welland River (Summer 2012) - Facing downstream (south) off of Vaughan Road, showing channel overview and adjacent field.



Photo 72: Station R11T029-1 – Welland River (Summer 2012) - Facing upstream (north) south of Canborough Road, showing dry channel.

Filepath:



Photo 73: Station R11T029-1 – Welland River (Summer 2012) - Facing downstream (south) south of Canborough Road, showing dry channel along hedgerow.



Photo 74: Station R11T029-1 – Welland River (Summer 2012) - South of Canborough Road, showing channel's substrate and aquatic invertebrates.



Photo 75: Station R11T029-2 – Welland River (Summer 2012) - Facing downstream (southwest) south of Canborough Road, showing surficial drain in agricultural field.



Photo 76: Station R11T029-2 – Welland River (Summer 2012) - Facing downstream (south) south of Canborough Road, showing surficial drain in agricultural field.



Photo 77: Station R11T029-3 – Welland River (Summer 2012) - Facing upstream (northeast) south of Canborough Road, showing channel in forested area.



Photo 78: Station R11T029-3 – Welland River (Summer 2012) - Facing downstream (southwest) south of Canborough Road, showing channel in forested area.

Filepath:



Photo 79: Station R11T029-3 – Welland River (Summer 2012) - South of Canborough Road, showing channel's pebble, sand and gravel substrate.

Filepath:





Photo 1: Station R11T028 – Sixteen Mile Creek (Summer 2012) - Facing upstream (south) west of Comfort Road, showing channel and surrounding cropland.



Photo 2: Station R11T028 – Sixteen Mile Creek (Summer 2012) - Facing downstream (north) west of Comfort Road, showing channel and surrounding cropland.



Photo 3: Station R11T057 – Sixteen Mile Creek (Summer 2012) - Facing upstream (south) off of Book Road, showing non-water body.



Photo 4: Station R11T057 – Sixteen Mile Creek (Summer 2012) - Facing downstream (north) off of Book Road, showing non-water body.



Photo 5: Station R11T056H – Sixteen Mile Creek (Summer 2012) - Facing upstream (south) off of Fifteen Road, showing surficial drain.



Photo 6: Station R11T056H – Sixteen Mile Creek (Summer 2012) - Facing downstream (northwest) off of Fifteen Road, showing surficial drain.

Filepath:



Photo 7: Station R11T079 – Sixteen Mile Creek (Summer 2012) - Facing upstream (northwest) near Victoria Avenue, showing water in channel, surrounded by riparian grasses.



Photo 8: Station R11T079 – Sixteen Mile Creek (Summer 2012) - Facing downstream (east) near Victoria Avenue, showing channel overview and surrounding riparian grasses.



Photo 9: Station R11T079 – Sixteen Mile Creek (Summer 2012) – Looking down at channel, showing turbid water and surrounding vegetation.



Photo 10: Station R11T079c – Sixteen Mile Creek (Summer 2012) – Looking down at channel, showing substrate, near Victoria Avenue.



Photo 11: Station R11T079c – Sixteen Mile Creek (Summer 2012) - Facing downstream (east) near Victoria Avenue, showing channel overview and surrounding riparian grasses.



Photo 12: Station R11T079-2a– Sixteen Mile Creek (Summer 2012) - Facing upstream (west) near Victoria Avenue, showing channel overview.



Photo 13: Station R11T079-2a – Sixteen Mile Creek (Summer 2012) - Facing downstream (northeast) near Victoria Avenue, showing channel overview and instream algae.



Photo 14: Station R11T018-3– Fifteen Mile Creek (Summer 2012) - Facing upstream (south) near Boyle Road, showing surficial drain in agricultural field.



Photo 15: Station R11T018-3 – Fifteen Mile Creek (Summer 2012) - Facing downstream (northwest) near Boyle Road, showing surficial drain in agricultural field.



Photo 16: Station R11T018-2– Fifteen Mile Creek (Summer 2012) - Facing upstream (northwest) near Boyle Road, showing non-water body in agricultural field.



Photo 17: Station R11T018-2 – Fifteen Mile Creek (Summer 2012) - Facing downstream (south) near Boyle Road, showing non-water body in agricultural field.



Photo 18: Station R11T018-1– Fifteen Mile Creek (Summer 2012) - Facing upstream (southeast) south of Regional Road 20, showing water body and surrounding vegetation.

Filepath:



Photo 19: Station R11T018-1 – Fifteen Mile Creek (Summer 2012) - Facing downstream (west) south of Regional Road 20, showing water body in agricultural field.



Photo 20: Station R11T059-3 – Fifteen Mile Creek (Summer 2012) – Looking down at channel, east of Rosedene Road, showing pooled water at perched culvert.



Photo 21: Station R11T004-2– Fifteen Mile Creek (Summer 2012) - Facing upstream (west) at intersection of Concession 4 and Hodgkins Road, showing channel overview.



Photo 22: Station R11T004-2 – Fifteen Mile Creek (Summer 2012) - Facing downstream (east) at intersection of Concession 4 and Hodgkins Road, showing channel overview along road.



Photo 23: Station R11T004-1– Fifteen Mile Creek (Summer 2012) - Facing upstream (west) at intersection of Concession 4 and Hodgkins Road, showing channel overview.



Photo 24: Station R11T004-1 – Fifteen Mile Creek (Summer 2012) –A t intersection of Concession 4 and Hodgkins Road, showing the channel's grassy substrate.

Filepath:



Photo 25: Station R11T004-6– Fifteen Mile Creek (Summer 2012) - Facing upstream (south) at Concession 4, showing channel overview.



Photo 26: Station R11T004-6 – Fifteen Mile Creek (Summer 2012) - Facing downstream (north) Concession 4, showing channel overview in field.



Photo 27: Station R11T004-3– Fifteen Mile Creek (Summer 2012) - Facing upstream (south) at Concession 4 and Hodgkins Road, showing channel and adjacent field.



Photo 28: Station R11T004-3 – Fifteen Mile Creek (Summer 2012) - Facing downstream (north) Concession 4 and Hodgkins Road, showing channel overview in field.



Photo 29: Station R11T004-4– Fifteen Mile Creek (Summer 2012) - Facing upstream (south) at railroad track, south of Concession 4, showing low lying pond area.



Photo 30: Station R11T004-4 – Fifteen Mile Creek (Summer 2012) - Facing downstream (north) at railroad track, south of Concession 4, showing low lying pond area.

Filepath:



Photo 31: Station R11T058H-1– Fifteen Mile Creek (Summer 2012) - Facing upstream (west) at Concession 4, showing Reed Canary Grass channel.



Photo 32: Station R11T058H-1– Fifteen Mile Creek (Summer 2012) - Facing downstream (east) at Concession 4, showing channel overview and adjacent field.



Photo 33: Station R11T059-4– Fifteen Mile Creek (Summer 2012) - Facing upstream (southwest) at Rosedene Road, showing channel and long grass.



Photo 34: Station R11T059-4– Fifteen Mile Creek (Summer 2012) - Facing upstream (southwest) at Rosedene Road, showing channel and long grass.



Photo 35: Station R11T059-4– Fifteen Mile Creek (Summer 2012) – at Rosedene Road, showing substrate of channel.



Photo 36: Station R11T059-2– Fifteen Mile Creek (Summer 2012) - Facing upstream (southeast) East of Rosedene Road, showing dry channel and surrounding vegetation.

Filepath:



Photo 37: Station R11T059-2– Fifteen Mile Creek (Summer 2012) – East of Rosedene Road, showing substrate of dry channel.

Filepath:





Photo 1: Station R11T042-2 –Dent Drain (Summer 2012) - Facing upstream (northeast) south of Highway 3, showing channel overview and adjacent agricultural fields.



Photo 2: Station R11T042-2 –Dent Drain (Summer 2012) – Facing downstream (southwest) south of Highway 3, showing channel overview.



Photo 3: Station R11T098-1 –Dent Drain (Summer 2012) - Facing upstream (east) south of Highway 3, showing channel within riparian vegetation.



Photo 4: Station R11T098-1 –Dent Drain (Summer 2012) – Facing downstream (west) south of Highway 3, showing channel overview adjacent to manicured lawn.



Photo 5: Station R11T098-3 –Dent Drain (Summer 2012) - Facing upstream (north) south of Highway 3, showing channel within riparian vegetation.



Photo 6: Station R11T098-3 –Dent Drain (Summer 2012) – Facing downstream (south) south of Highway 3, showing channel and riparian vegetation.

Filepath:



Photo 7: Station R11T098-3 –Dent Drain (Summer 2012) – South of Highway 3, showing channel substrate comprised of leaves and sticks.



Photo 8: Station R11T099-1 –West Kelly Drain (Summer 2012) - Facing upstream (north) west of Inman Road, showing channel within riparian vegetation.



Photo 9: Station R11T099-1 –West Kelly Drain (Summer 2012) – Facing downstream (south) west of Inman Road, showing channel and riparian vegetation.



Photo 10: Station R11T045-1 –Broad Creek Drain (Summer 2012) - Facing upstream (east) south of Canal Bank Road, showing channel overview.



Photo 11: Station R11T045-1 –Broad Creek Drain (Summer 2012) – Facing downstream (west) south of Canal Bank Road, showing channel overview.



Photo 12: Station R11T045-1 –Broad Creek Drain (Summer 2012) – South of Canal Bank Road, showing algae and substrate of channel.

Filepath:



Photo 13: Station R11T045-2 –Broad Creek Drain (Summer 2012) - Facing upstream (north) south of Canal Bank Road, showing channel overview alongside road.



Photo 14: Station R11T045-2 –Broad Creek Drain (Summer 2012) – Facing downstream (south) south of Canal Bank Road, showing channel adjacent to agricultural field.



Photo 15: Station R11T045-2 –Broad Creek Drain (Summer 2012) – South of Canal Bank Road, showing substrate of channel, comprised of detritus, muck and silt.



Photo 16: Station R11T017 and 47 –Broad Creek Drain (Summer 2012) – Facing upstream (northeast) east of Bird Road, showing channel adjacent to agricultural field.



Photo 17: Station R11T017 and 47 –Broad Creek Drain (Summer 2012) – Facing downstream (west) east of Bird Road, showing channel adjacent to agricultural field.



Photo 18: Station R11T017 and 47 –Broad Creek Drain (Summer 2012) – East of Bird Road, showing aquatic vegetation within channel.

Filepath:



Photo 19: Station R11T005-3—Broad Creek Drain (Summer 2012) – Facing upstream (east) north of Rymer Road, showing channel adjacent to agricultural field.



Photo 20: Station R11T005-3—Broad Creek Drain (Summer 2012) – Facing downstream (west) north of Rymer Road, showing channel overview.



Photo 21: Station R11T005-3—Broad Creek Drain (Summer 2012) – North of Rymer Road, showing substrate and turbid water from culvert.



Photo 22: Station R11T005-1—Broad Creek Drain (Summer 2012) – Facing upstream (north) north of Rymer Road, showing dry channel.



Photo 23: Station R11T005-1—Broad Creek Drain (Summer 2012) – Facing downstream (south) north of Rymer Road, showing dry channel overview.



Photo 24: Station R11T005-1—Broad Creek Drain (Summer 2012) – North of Rymer Road, showing substrate of channel, comprised of muck and silt.

Filepath:



Photo 25: Station R11T045-3—Broad Creek Drain (Summer 2012) – Facing upstream (north) south of Canal Bank Road, showing shallow channel on edge of agricultural field.



Photo 27: Station R11T045-3—Broad Creek Drain (Summer 2012) – South of Canal Bank Road, showing substrate of channel, comprised of muck and silt and detritus.



Photo 29: Station R11T062-1—Tweed Drain (Summer 2012) – Facing downstream (north) west of Hutchinson Road, showing channel overview.



Photo 26: Station R11T045-3—Broad Creek Drain (Summer 2012) – Facing downstream (south) south of Canal Bank Road, showing overview.



Photo 28: Station R11T062-1—Tweed Drain (Summer 2012) – Facing downstream (east) west of Hutchinson Road, showing overview.



Photo 30: Station R11T062-2—Tweed Drain (Summer 2012) – Facing upstream (north) west of Hutchinson Road, showing channel between road and field.

Filepath:



Photo 31: Station R11T062-2-Tweed Drain (Summer 2012) – Facing downstream (south) west of Hutchinson Road, showing channel full of vegetation.



Photo 32: Station R11T062-2-Tweed Drain (Summer 2012) – West of Hutchinson Road, showing substrate of channel, comprised of muck and vegetation.



Photo 33: Station R11T096-1-Tweed Drain (Summer 2012) – Facing upstream (northeast) off of Bird Road, showing shallow, dry channel.



Photo 34: Station R11T096-1-Tweed Drain (Summer 2012) – Facing downstream (west) off of Bird Road, showing channel overview.



Photo 35: Station R11T096-1-Tweed Drain (Summer 2012) – Off of Bird Road, showing substrate of channel, comprised of muck and vegetation.



Photo 36: Station R11T099-2-Tweed Drain (Summer 2012) – Facing upstream (west) off of Inman Road, showing channel from culvert.

Filepath:



Photo 37: Station R11T099-2-Tweed Drain (Summer 2012) – Facing downstream (east) off of Inman Road, showing channel overview.



Photo 38: Station R11T099-2-Tweed Drain (Summer 2012) – Off of Inman Road, showing close up of channel from culvert.



Photo 39: Station R11T020-1-Tweed Drain (Summer 2012) – Facing upstream (north) off of Inman Road, showing channel overview and riparian vegetation.



Photo 40: Station R11T020-1-Tweed Drain (Summer 2012) – Facing downstream (south) off of Inman Road, showing channel overview and adjacent road and field.



Photo 41: Station R11T020-1-Tweed Drain (Summer 2012) – Off of Inman Road, showing close up of channel's substrate.

Filepath:



Photo 1: Station R11T016-1 – Low Banks Drain (Summer 2012) - Facing upstream (south) south of Canal Bank Road, showing channel and adjacent fields.



Photo 2: Station R11T016-1 – Low Banks Drain (Summer 2012) - Facing downstream (north) south of Canal Bank Road, showing channel and adjacent fields.



Photo 3: Station R11T044-1 – Low Banks Drain (Summer 2012) - Facing upstream (northeast) south of Canal Bank Road, showing channel, adjacent forest and field.



Photo 4: Station R11T044-1 – Low Banks Drain (Summer 2012) - Facing downstream (southwest) south of Canal Bank Road, showing channel and treed riparian area.



Photo 5: Station R11T014, 15, 44, 43 – Low Banks Drain (Summer 2012) - Facing upstream (south) south of Canal Bank Road, showing channel overview.



Photo 6: Station R11T014, 15, 44, 43 – Low Banks Drain (Summer 2012) - Facing downstream (north) south of Canal Bank Road, showing channel overview.

Filepath:



Photo 7: Station R11T014, 15, 44, 43 – Low Banks Drain (Summer 2012) - South of Canal Bank Road, showing water and instream aquatic vegetation.



Photo 8: Station R11T061-1 – Low Banks Drain (Summer 2012) - Facing upstream (east) north of Lakeshore Road, showing channel within Reed Canary Grass.



Photo 9: Station R11T061-1 – Low Banks Drain (Summer 2012) - Facing downstream (west) north of Lakeshore Road, showing channel overview.



Photo 10: Station R11T061-1 – Low Banks Drain (Summer 2012) - North of Lakeshore Road, showing water and grass in channel.



Photo 11: Station R11T049-1 – Hoover Drain (Summer 2012) - Facing upstream (north) north of Lakeshore Road, showing channel within forested area.



Photo 12: Station R11T049-1 – Hoover Drain (Summer 2012) - Facing downstream (south) north of Lakeshore Road, showing channel within forested area.

Filepath:



Photo 1: Station R11T088-2 – North Creek (Summer 2012) - Facing upstream (west) from Woods Road, showing non-water body.



Photo 2: Station R11T088-2 – North Creek (Summer 2012) – Facing downstream (east) from Woods Road, showing channel in mid-foreground.



Photo 3: Station R11T088-1A – North Creek (Summer 2012) - Facing upstream (west), showing channel overview.



Photo 4: Station R11T088-1A – North Creek (Summer 2012) - Facing downstream (east), showing dry channel with cobble/boulder substrate. Note channel disappears approximately 20 m downstream, prior to west limit of Project Location.



Photo 5: Station R11T088-1B – North Creek (Summer 2012) - Facing upstream (southwest) from Woods Road, showing dry grassed swale (non-water body).



Photo 6: Station R11T088-1B – North Creek (Summer 2012) - Facing downstream (northeast) from Woods Road, defined channel (lower left foreground).

Filepath:



Photo 7: Station R11T083-1 – North Creek (Summer 2012) - Facing upstream (south) from Woods Road, showing agricultural swale.



Photo 8: Station R11T083-1 – North Creek (Summer 2012) - Facing downstream (north) from Woods Road, showing agricultural swale.



Photo 9: Station R11T085-1 – North Creek (Summer 2012) - Facing upstream (west) from Minor Road, showing non-water body.



Photo 10: Station R11T085-1 – North Creek (Summer 2012) - Facing downstream (east) from Minor Road, showing agricultural swale.

Filepath:



Photo 1: Station R11T095-1 – Tributary to Welland River (Summer 2012) - Facing upstream (northwest) from Sideroad 42, showing non-water body.



Photo 2: Station R11T095-1 – Tributary to Welland River (Summer 2012) - Facing downstream (south) from Sideroad 42, showing non-water body.



Photo 3: Station R11T091-1 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing downstream (southeast) east of Gore Road, showing channel overview next to farm path.



Photo 4: Station R11T091-1 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing downstream (southeast) east of Gore Road, showing pooled water and algae in channel.



Photo 5: Station R11T041-2 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing upstream (southeast) east of Gore Road, showing channel overview.



Photo 6: Station R11T041-2 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing downstream (southeast) east of Gore Road, showing channel overview.

Filepath:



Photo 7: Station R11T072-1 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing upstream (north) east of Gore Road, showing channel overview.



Photo 8: Station R11T072-1 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing downstream (south) east of Gore Road, showing channel and culvert.



Photo 9: Station R11T072-1 – Unnamed Tributary to Upper Welland River (Summer 2012) – showing substrate of channel bed.



Photo 10: Station R11T041-1 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing upstream (southwest) east of Gore Road, showing channel overview.



Photo 11: Station R11T041-1 – Unnamed Tributary to Upper Welland River (Summer 2012) - Facing downstream (northeast) east of Gore Road, showing channel and culvert.

Filepath:

