

**Appendix A**

**Glenwood Area to Miramichi Bypass:**

**Representative Photographs of Watercourses and Ponds**





Upstream view of King Street



Habitat downstream of King Street.



View of aquatic vegetation in ROW.



Beaver Dam

Habitat upstream of Route 11 with beaver dam and ponded area.

**Route 11 – Glenwood to Miramichi Bypass  
WC 1 (31+043, 100+300, 400+700)**

**Typical Habitat Photos**

Photos taken June 2015  
and October 2014





View towards east from within open water marsh



View to west from within open water marsh.



View of trail culvert inlet at downstream extent of marsh.



Habitat immediately downstream of trauk culvert outlet.

**Route 11 – Glenwood to Miramichi Bypass  
WC 1A (400+415, 300+650, 70+255)**

**Typical Habitat Photos**

Photos taken June 2016  
and October 2014





Western extent of Bprrow Pit Pond facing north



Western extent of Borrow Pit Pond facing west.

**Route 11 – Glenwood to Miramichi Bypass  
WC 2 (31+575, 300+400)**

**Typical Habitat Photos**

Photos taken June 2016





View of Borrow Pit in outlet area



View of beaver dam at outlet of Borrow Pit Pond.



Undisturbed nearshore habitat in Borrow Pit Pond.

**Route 11 – Glenwood to Miramichi Bypass  
WC 2 A (70+675)**

**Typical Habitat Photos**

Photos taken June 2016  
and October 2014

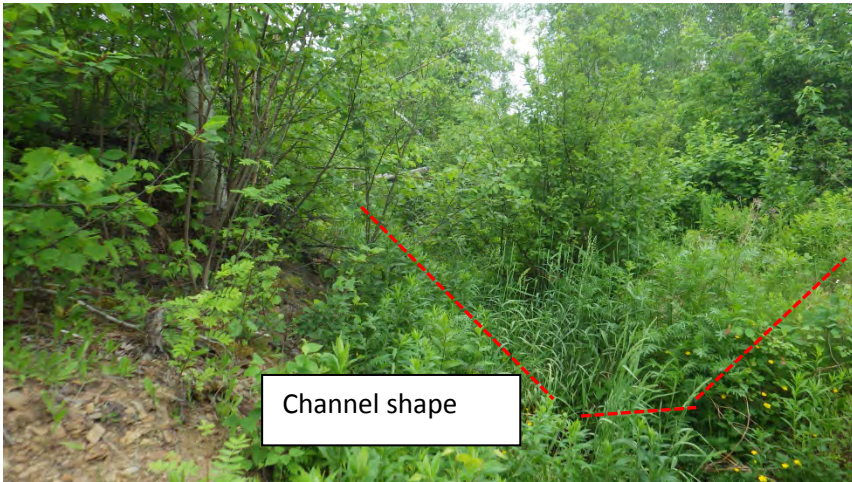




Habitat in downstream extent.



Habitat within ROW.



Over grown area where channel was excavated.

**Route 11 – Glenwood to Miramichi Bypass  
WC 2 B (200+450)**

Typical Habitat Photos

Photos taken June 2015





Habitat in excavated channel bottom within the ROW.

**Route 11 – Glenwood to Miramichi Bypass  
WC 2 C (80+525)**

Typical Habitat Photos

Photos taken June 2015





Drainage Channel to Borrow Pit Pond, facing upstream.



Drainage channel to Borrow Pit Pond, facing downstream.



Vegetation in Borrow Pit Pond Drainage channel



Habitat upstream of Route 11 with beaver dam and ponded area.

**Route 11 – Glenwood to Miramichi Bypass  
WC 2 D (31+700, 300+480, 200+550), 2 E (80+630)  
and 2 F (31+850, 200+700, 80+840)**

**Typical Habitat Photos**

Photos taken June 2015





Drainage channel upstream of farm lane culvert.



Channel downstream of farm culverte and in downstream extent of ROW.



Farm culvert inlet.



Channel immedietly dowstream of culvert.

**Route 11 – Glenwood to Miramichi Bypass  
WC 3 (33+810)**

**Typical Habitat Photos**

Photos taken June 2015





Habitat in area of farm lane culvert.



Channel downstream of farm culverte and in downstream extent of ROW.



Substrate and bank habitat



One of several brook trout sampled in watercourse.

**Route 11 – Glenwood to Miramichi Bypass  
WC 4 (34+225)**

**Typical Habitat Photos**

Photos taken June 2015





Habitat in ROW.



Habitat in upstream extent of ROW.



Bank habitat



One of two age classes of salmon parr sampled.

**Route 11 – Glenwood to Miramichi Bypass  
WC 5 (34+540)  
Napan River**

**Typical Habitat Photos**

Photos taken June 2015





Habitat in ROW.



Typical habitat upstream and downstream of ROW.



Bank habitat and large substrate.



Bank habitat and smaller substrate.

**Route 11 – Glenwood to Miramichi Bypass  
WC 6 (34+945)**

**Typical Habitat Photos**

Photos taken June 2015





Habitat in ROW.



Typical upland vegetation in area of watercourse.



Bank habitat.



Substrate.

**Route 11 – Glenwood to Miramichi Bypass  
WC 6 A (36+250)**

**Typical Habitat Photos**

Photos taken June 2015



**No watercourse in mapped location**

**Route 11 – Glenwood to Miramichi Bypass  
NA (36+290)**





Beaver pond habitat in ROW.



Habitat downstream of beaver pond



Substrate and exposed banks.



Vegetated banks.

**Route 11 – Glenwood to Miramichi Bypass  
WC 6 B (37+325)**

**Typical Habitat Photos**

Photos taken June 2015





Beaver pond and wetland habitat in ROW.



Habitat downstream extent of beaver pond



Left bank



Right bank.

**Route 11 – Glenwood to Miramichi Bypass  
WC 7 (40+375)**

**Typical Habitat Photos**

Photos taken June 2015



