Legend

1:20 AEP Base Case Inundation Depth
- Greater than 2.0 m
- 1.5 m - 2.0 m
- 1.0 m - 1.5 m
- 0.5 m - 1.0 m
- 0.0 m - 0.5 m
- Normal Water Surface
- Cross Sections
- Rivers
- Roads

Notes:
1. Coordinates are based on WTM Zone 3, North American Datum 1983.
2. Surface features were produced from 1:2,500 scale community mapping and 1:50,000 National Topographic System (NTS) mapping.
3. Inundation extending beyond HEC-RAS model coverage is assumed.
4. Flood information for displayed cross sections is available in Table 6-10.

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
HYDROTECHNICAL STUDY OF STEPHENVILLE CROSSING / BLACK DUCK SIDING AREA

STEFENVILLE CROSSING
1:20 AEP BASE CASE INUNDATION DEPTH MAPPING
(FLOODING DUE TO ST. GEORGE’S RIVER FLOW)

FIGURE BBB - 1

March 2012
LEGEND

1:20 AEP Base Case Inundation Depth

- Greater than 2.0 m
- 1.5 m - 2.0 m
- 1.0 m - 1.5 m
- 0.5 m - 1.0 m
- 0.0 m - 0.5 m

Notes:
1. Coordinates are based on MTM Zone 3, North American Datum 1983.
2. Surface features were produced from 1:2,500 scale community mapping and 1:50,000 National Topographic System (NTS) mapping.
3. Inundation extending beyond HEC-RAS model coverage is assumed.
4. Flood information for displayed cross sections is available in Table 6-10.

SCALE

0 125 250 375 500 Meters

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR
HYDROTECHNICAL STUDY OF STEPHENVILLE CROSSING / BLACK DUCK SIDING AREA

STEPHENVILLE CROSSING
1:20 AEP BASE CASE INUNDATION DEPTH MAPPING
(FLOODING DUE TO ST. GEORGE’S RIVER FLOW)

FIGURE BBB – 2

DATE
March 2012

DRAWING NO.
336193

HATCH

INDICATES AREA COVERED BY THIS SHEET.
Legend
1:20 AEP Base Case Inundation Depth

- Greater than 2.0 m
- 1.5 m - 2.0 m
- 1.0 m - 1.5 m
- 0.5 m - 1.0 m
- 0.0 m - 0.5 m
- Normal Water Surface

Notes:
1. Coordinates are based on WTM Zone 3, North American Datum 1983.
2. Surface features were produced from 1:2,500 scale community mapping and 1:50,000 National Topographic System (NTS) mapping.
3. Inundation extending beyond HEC-RAS model coverage is assumed.
4. Flood information for displayed cross sections is available in Table 6.10.
Legend
1:20 AEP Base Case Inundation Depth
- Greater than 2.0 m
- 1.5 m - 2.0 m
- 1.0 m - 1.5 m
- 0.5 m - 1.0 m
- 0.0 m - 0.5 m
- Normal Water Surface
- Cross Sections
- Rivers
- Roads

Notes:
1. Coordinates are based on MTM Zone 3, North American Datum 1983.
2. Surface features were produced from 1:2,500 scale community mapping and 1:50,000 National Topographic System (NTS) mapping.
3. Inundation extending beyond HEC-RAS model coverage is assumed.
4. Flood information for displayed cross sections is available in Table 6-10.
**Legend**

1:20 AEP Surge Level Inundation Depth

- **Cross Sections**
  - Greater than 2.0 m
  - 1.5 m - 2.0 m
  - 1.0 m - 1.5 m

- **Rivers**
  - 0.5 m - 1.0 m
  - 0.0 m - 0.5 m

- **Normal Water Surface**

- **Roads**

**Notes:**

1. Coordinates are based on WGI Zone 3, North American Datum 1983.
2. Surface features were produced from 1:2,500 scale community mapping and 1:50,000 National Topographic System (NTS) mapping.
3. Inundation extending beyond HEC-RAS model coverage is assumed.
4. Flood information for displayed cross sections is available in Table 6-7.

**Scale:**

0 125 250 375 500 Meters

**Figure PP - 1**

**Government of Newfoundland and Labrador**

Hydrotechnical Study of Stephenville Crossing / Black Duck Siding Area

Stephenville Crossing
1:20 AEP Base Case Inundation Depth Mapping (Flooding Due to Surge and Wave)

Hatch

March 2012
Stephenville Access Road Route 490
West Street
St. George's River
West Street
St. George's Bay
Park St
Grove St
West St
Lilly Ave
Rothsay St
Water St
Pleasant St
Welland Dr
Hawkins Ln
Downeys Ln
Webb's Field
Lakeshore Dr
Legion Rd
St. George's River
St. George's Bay

Legend
1:20 AEP Surge Level Inundation Depth
Greater than 2.0 m
1.5 m - 2.0 m
1.0 m - 1.5 m
0.5 m - 1.0 m
0.0 m - 0.5 m
Cross Sections
Rivers
Normal Water Surface
Roads

Notes:
1. Coordinates are based on MTR Zone 3, North American Datum 1983.
2. Surface features were produced from 1:2,500 scale community mapping and 1:50,000 National Topographic System (NTS) mapping.
3. Inundation extending beyond HEC-RAS model coverage is assumed.
4. Flood information for displayed cross sections is available in Table 6-7.

Government of Newfoundland and Labrador
Hydrotechnical Study of Stephenville Crossing / Black Duck Siding Area
1:20 AEP Base Case Inundation Depth Mapping (Flood due to Surge and Wave)
HATCH
 Figure PP - 2
Legend
1:20 AEP Surge Level Inundation Depth
- Greater than 2.0 m
- 1.5 m - 2.0 m
- 1.0 m - 1.5 m
- 0.5 m - 1.0 m
- 0.0 m - 0.5 m
- Normal Water Surface
- Cross Sections
- Rivers
- Roads

Notes:
1. COORDINATES ARE BASED ON WFM ZONE 3, NORTH AMERICAN DATUM 1983.
2. SURFACE FEATURES WERE PRODUCED FROM 1:2,500 SCALE COMMUNITY MAPPING AND 1:50,000 NATIONAL TOPOGRAPHIC SYSTEM (NTS) MAPPING.
3. INUNDATION EXTENDING BEYOND HEC-RAS MODEL COVERAGE IS ASSUMED.
4. FLOOD INFORMATION FOR DISPLAYED CROSS SECTIONS IS AVAILABLE IN TABLE 6-7.
COORDINATES ARE BASED ON M/N ZONE 3, NORTH AMERICAN DATUM 1983.

SURFACE FEATURES WERE PRODUCED FROM 1:2,500 SCALE COMMUNITY MAPPING AND 1:50,000 NATIONAL TOPOGRAPHIC SYSTEM (NTS) MAPPING.

INUNDATION EXTENDING BEYOND HEC-RAS MODEL COVERAGE IS ASSUMED.

FLOOD INFORMATION FOR DISPLAYED CROSS SECTIONS IS AVAILABLE IN TABLE 6-7.
Notes:
1. COORDINATES ARE BASED ON WFM ZONE 3, NORTH AMERICAN DATUM 1983.
2. SURFACE FEATURES WERE PRODUCED FROM 1:2,500 SCALE COMMUNITY MAPPING AND 1:50,000 NATIONAL TOPOGRAPHIC SYSTEM (NTS) MAPPING.
3. INUNDATION EXTENDING BEYOND HEC-RAS MODEL COVERAGE IS ASSUMED.
4. FLOOD INFORMATION FOR DISPLAYED CROSS SECTIONS IS AVAILABLE IN TABLE 6-7.
Legend

1:20 AEP Surge Level Inundation Depth

- Greater than 2.0 m
- 1.5 m - 2.0 m
- 1.0 m - 1.5 m
- 0.5 m - 1.0 m
- 0.0 m - 0.5 m
- Normal Water Surface

Cross Sections
Rivers

Notes:

1. COORDINATES ARE BASED ON W/T ZONE 3, NORTH AMERICAN DATUM 1983.
2. SURFACE FEATURES WERE PRODUCED FROM 1:2,500 SCALE COMMUNITY MAPPING AND 1:50,000 NATIONAL TOPOGRAPHIC SYSTEM (NTS) MAPPING.
3. INUNDATION EXTENDING BEYOND HEC-RAS MODEL COVERAGE IS ASSUMED.
4. FLOOD INFORMATION FOR DISPLAYED CROSS SECTIONS IS AVAILABLE IN TABLE 6-7.