

Nova Scotia Stream Data Sheet

Stream Name: Trib. To Sheldrake Lake
 Personnel: KM,TN
 Start Point: downstream of HWY 103
 End Point: upstream of HWY 103

Stream No.: 1
 Date: September 26, 2008
 Stream Order: 1
 NTS Coordinates: 20T 436679 494757 to 20T 436760 4948025

| Unit # | Unit Type | Stream Type | Chainage at Unit End (m) | Unit Length (m) | Average Width (m) | Avg. Depth Wet Width (m) | Substrate % | | | | | | | Site % | | | | | Stream Banks | | | | | | | Pool Criteria | | | Pool Tail Criteria | | | | Comments | | | | | |
|--------|-----------|-------------|--------------------------|-----------------|-------------------|--------------------------|-------------|----------|------|---------|--------|------|-------|--------------|--------|-----|------|------|-------------------|----------------------------|------------------------|-----------|-------------|------|-------|---------------|------------------|-----------------|--------------------|-----------|-----------|------------|----------|--------------|-----------------------|----------------------|---|----------------|
| | | | | | | | Bedrock | Boulders | Rock | Cobbles | Gravel | Sand | Fines | Embeddedness | Riffle | Run | Flat | Pool | Undercut Bank (%) | Overhanging Vegetation (%) | Large Woody Debris (m) | Shade (%) | Vegetation | | | | | Erosion | | Depth (m) | Cover (%) | Stream (%) | | Embeddedness | Median Substrate Size | Fines (%) | Length (m) | Turbulence (%) |
| | | | | | | | | | | | | | | | | | | | | | | | Bare Ground | Moss | Grass | Shrubs | Coniferous Trees | Deciduous Trees | Stable | | | | | | | | | |
| 1 | us | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Upper Sheldrake Lake | | |
| 2 | us | Fl | +150 | 150 | 4 | 0.3 | | 25 | 15 | 10 | | 15 | 35 | h | | | 100 | | 5 | 5 | >10 | 75 | 35 | 15 | 5 | | 35 | 10 | 95 | | | | | | | | Fair adult habitat | |
| 3 | us | Rf/F | 100 | 100 | 2 | 0.2 | 5 | 15 | 20 | 15 | 15 | 15 | 15 | m | 60 | | 40 | | 10 | 10 | >10 | 60 | 30 | 10 | 25 | 5 | 20 | 10 | 95 | | | | | | | | Poor habitat, Efish- 1 eel (30 cm forklenght) | |
| 4 | x | | -90 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | existing culvert | | |
| 5 | ds | Still | -390 | 300 | 4+ | 0.8 | | 20 | 10 | 10 | | 10 | 50 | m | | | 100 | | | 5 | | 20 | | | 15 | 65 | 5 | 15 | 100 | | | | | | | | Backflooded from lake; fair adult habitat | |
| 6 | ds | | | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Sheldrake Lake | | |

Unit 2

Unit 3

Unit 4



Nova Scotia Stream Data Sheet

Stream Name: Trib to Fraser Lake, Maple Lake Outlet
 Personnel: KM,TN
 Start Point: Fraser Lake
 End Point: outlet to Maple Lake

Stream No.: 2
 Date: September 18, 2008
 Stream Order: 3
 NTS Coordinates: 20T 438328 4948306 to 20T 438630 4947958

| Unit # | Unit Type | Stream Type | Chainage at Unit End (m) | Unit Length (m) | Average Width (m) | Avg. Depth Wet Width (m) | Substrate % | | | | | | | Site % | | | | Undercut Bank (%) | Overhanging Vegetation (%) | Large Woody Debris (m) | Shade (%) | Stream Banks | | | | | | | Pool Criteria | | | Pool Tail Criteria | | | | Comments | | |
|--------|-----------|-------------|--------------------------|-----------------|-------------------|--------------------------|-------------|----------|------|---------|--------|------|-------|--------------|--------|-----|------|-------------------|----------------------------|------------------------|-----------|--------------|-------------|------|-------|--------|------------------|-----------------|---------------|-----------|-----------|--------------------|--------------|-----------------------|-----------|--|------------|----------------|
| | | | | | | | Bedrock | Boulders | Rock | Cobbles | Gravel | Sand | Fines | Embeddedness | Riffle | Run | Flat | | | | | Pool | Vegetation | | | | Erosion | | | Depth (m) | Cover (%) | Stream (%) | Embeddedness | Median Substrate Size | Fines (%) | | Length (m) | Turbulence (%) |
| | | | | | | | | | | | | | | | | | | | | | | | Bare Ground | Moss | Grass | Shrubs | Coniferous Trees | Deciduous Trees | Stable | | | | | | | | | |
| 1 | us | Lake | +200+ | 200+ | 30 | 1 | 25 | 15 | 10 | 5 | 20 | 20 | m | | | | | 1 | 2 | 50 | 40 | 5 | | 5 | 50 | 50 | | | | | | | | | | adult brook trout habitat | | |
| 2 | x,us | Rn/Bay | 50,+120 | 170 | 15 | 0.8 | 20 | 30 | 15 | 5 | 15 | 15 | m | | 100 | | | 5 | 15 | 30 | 20 | 25 | 5 | 20 | 50 | 50 | | | | | | | | | | adult brook trout habitat | | |
| 3 | x,ds | Rf/Rn | 30,-50 | 40 | 8 | 0.3 | 20 | 20 | 20 | 15 | 15 | 10 | l | 40 | 60 | | | 5 | 5 | 55 | 35 | 15 | 5 | 5 | 20 | 20 | 50 | 50 | | | | | | | | 10 eel (20-30 cm) | | |
| 4 | ds | Rf | 150 | 80 | 5 | 0.3 | 20 | 30 | 20 | 10 | 20 | l | 50 | 30 | 20 | | | 10 | 10 | 30 | 25 | 25 | 25 | 10 | 15 | 50 | 50 | | | | | | | | | white perch (7cm-forklength), eel (25 cm), eel (15 cm); calmer side channels with good rearing areas; aquatic grass and areas of good gravel | | |
| 5 | ds | Rn | -25 | 25 | 15 | 0.8 | 25 | 30 | 20 | 5 | 15 | 5 | m | | 80 | | | 5 | 15 | 40 | 30 | 20 | 5 | 5 | 50 | 50 | | | | | | | | | | adult brook trout habitat | | |
| 6 | ds | Lake | -200+ | 200+ | 90 | 1 | 5 | 25 | 15 | 10 | 5 | 20 | 20 | m | | | | 1 | 2 | 50 | 40 | 5 | | 5 | 50 | 50 | | | | | | | | | | adult brook trout habitat | | |

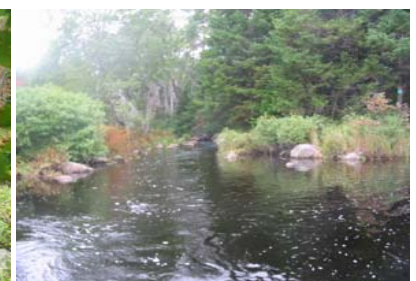
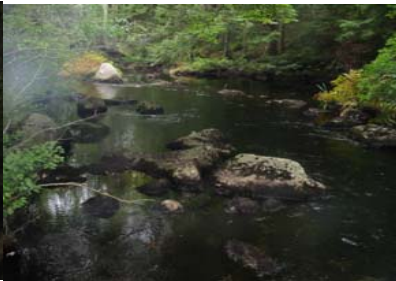
Unit 2

Unit 3

Unit 4

Unit 4

Unit 5&6



Nova Scotia Stream Data Sheet

Stream Name: Stillwater Run

Personnel: KM,TN

Start Point: >400 m downstream

End Point: >200 m upstream

Stream No.: 4

Date: September 5, 2008

Stream Order: 1

NTS Coordinates: 20 T 441498 4948281 to 20 T 441243 4948793

| Unit # | Unit Type | Stream Type | Chainage at Unit End (m) | Unit Length (m) | Average Width (m) | Avg. Depth Wet Width (m) | Substrate % | | | | | | | | | | Site % | | | | Stream Banks | | Pool Criteria | | | Pool Tail Criteria | | | | Comments | | | | | | | | | | | | | | |
|--------|-----------|-------------|--------------------------|-----------------|-------------------|--------------------------|-------------|----------|------|---------|--------|------|-------|--------------|--------|-----|--------|------|-------------------|----------------------------|------------------------|-----------|---------------|------|-------|--------------------|------------------|-----------------|--------|----------|-----------|-----------|------------|--------------|-----------------------|-----------|------------|----------------|-------------|--------|---|--|---|--|
| | | | | | | | Bedrock | Boulders | Rock | Cobbles | Gravel | Sand | Fines | Embeddedness | Riffle | Run | Flat | Pool | Undercut Bank (%) | Overhanging Vegetation (%) | Large Woody Debris (m) | Shade (%) | Vegetation | | | | | Erosion | | | Depth (m) | Cover (%) | Stream (%) | Embeddedness | Median Substrate Size | Fines (%) | Length (m) | Turbulence (%) | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | Bare Ground | Moss | Grass | Shrubs | Coniferous Trees | Deciduous Trees | Stable | | | | | | | | | | Bare Stable | Eroded | | | | |
| 1 | us | pond | +210 | 100+ | 10 | 0.5 | | 5 | 10 | 10 | 20 | 55 | h | | 15 | 70 | 15 | 0 | 5 | >20 | 5 | 30 | | 60 | 5 | | 5 | 60 | | 40 | | | | | | | | | | | | Beaver dam at start (in cut over), extensive backflood stillwater above | | |
| 2 | us | Rf | +110 | 40 | 2 | 0.2 | | 5 | 10 | 40 | 30 | 10 | 5 | m | 100 | | | 10 | 15 | 5 | 15 | 10 | | | | 80 | 10 | | | 100 | | | | | | | | | | | | | efish - 8 killifish (10cm forklength), 6 eels (15-25 cm) | |
| 3 | x,us | Rf/Rn | 30,+50 | 70 | 4 | 0.4 | | 5 | 15 | 30 | 15 | 20 | 10 | m | 35 | 35 | 20 | 10 | 15 | 20 | 10 | 45 | 10 | | | 25 | 20 | 15 | 30 | 90 | | 10 | 1 | 20 | 15 | m | g | | 30 | 5 | 5 | | | pool ds of riffle at start, series of smaller beaver debris stillwater; brook trout habitat; good adult, fair juvenile |
| 4 | x | Rn | 150 | 150 | 7 | 0.4 | | 10 | 10 | | 5 | 15 | 60 | h | | 60 | 40 | | 10 | 15 | 5 | 15 | 5 | | | 80 | 15 | | | 95 | | 5 | | | | | | | | | | | stillwater and riparian wetland; burreed throughout stream bottom; primarily adult habitat | |
| 5 | ds | Rn/Rf | -70 | 70 | 4 | 0.3 | | 20 | 30 | 10 | 15 | 5 | m | 30 | 60 | 10 | | 15 | 20 | 10 | 40 | 5 | | | 30 | 35 | 5 | 25 | 95 | | 5 | | | | | | | | | | | wider stillwater, with small beaver dams; primarily adult habitat | | |
| 6 | ds | Rn | -200 | 130 | 3 | 0.4 | | 15 | 15 | 5 | 15 | 50 | h | | 60 | 40 | | 10 | 15 | 5 | 15 | 5 | | | 25 | 65 | | 10 | 95 | | 5 | | | | | | | | | | | narrower stillwater; primarily adult habitat | | |
| 7 | ds | Rn | -280 | 80 | 5 | 0.5 | | 15 | 15 | 5 | 15 | 50 | h | | 60 | 40 | | 10 | 15 | 5 | 15 | 5 | | | 25 | 65 | | 10 | 95 | | 5 | | | | | | | | | | | stillwater, tributary enters from west at start; primarily adult habitat | | |
| 8 | ds | Rn | -360 | 90 | 4 | 0.3 | | 5 | 15 | 20 | 15 | 30 | 15 | m | | 80 | 20 | | 10 | 15 | 10 | 20 | 5 | | | 30 | 60 | | 10 | 95 | | 5 | | | | | | | | | | beaver dam at start of unit; minor debris riffles, adult and fair juvenile | | |
| 9 | ds | Rf/Rn | -410 | 50 | 3 | 0.25 | | 10 | 15 | 15 | 25 | 15 | 5 | l | 60 | 30 | 10 | | 20 | 25 | >10 | 40 | 5 | | | 25 | 25 | 20 | 30 | 90 | | 10 | | | | | | | | | | | Good juvenile, potential spawning. Efish- 4 eels (20-30 cm), 3 sucker (15-25cm), 2 brook trout (10cm) | |



Unit 1



Unit 2



Unit 3



Unit 4



Unit 5



Unit 8



Unit 9

Nova Scotia Stream Data Sheet

Stream Name: outlet to Ragged Lake
 Personnel: KM,TN
 Start Point: approx 200 m downstream
 End Point: approx. 400 m upstream

Stream No.: 5
 Date: September 5, 2008
 Stream Order: 2
 NTS Coordinates: 20 T 441574 4948442 to 20 T 441646 4948975

| Unit # | Unit Type | Stream Type | Chainage at Unit End (m) | Unit Length (m) | Average Width (m) | Avg. Depth Wet Width (m) | Substrate % | | | | | | Site % | | | | Undercut Bank (%) | Overhanging Vegetation (%) | Large Woody Debris (m) | Shade (%) | Stream Banks | | | | | | Pool Criteria | | | Pool Tail Criteria | | | Comments | | | | |
|--------|-----------|-------------|--------------------------|-----------------|-------------------|--------------------------|-------------|----------|------|---------|--------|------|--------|--------------|--------|-----|-------------------|----------------------------|------------------------|-----------|--------------|------|-------------|------|-------|---------|------------------|-----------------|-----------|--------------------|------------|--------------|----------|-----------------------|-----------|---|----------------|
| | | | | | | | Bedrock | Boulders | Rock | Cobbles | Gravel | Sand | Fines | Embeddedness | Riffle | Run | | | | | Flat | Pool | Vegetation | | | Erosion | | | Depth (m) | Cover (%) | Stream (%) | Embeddedness | | Median Substrate Size | Fines (%) | Length (m) | Turbulence (%) |
| | | | | | | | | | | | | | | | | | | | | | | | Bare Ground | Moss | Grass | Shrubs | Coniferous Trees | Deciduous Trees | | | | | | | | | |
| 1 | us | Rf | +430 | 100+ | 2.5 | 0.2 | 15 | 15 | 35 | 25 | 5 | 5 | l | 90 | 5 | | 5 | | 30 | 5 | 50 | 10 | | 20 | 45 | 5 | 20 | | | | | | | | | Efish - brook trout(8cm forklenght) | |
| 2 | x,us,ds | Still | +330 | 400 | 6 | 0.8 | 20 | | | 10 | 10 | 60 | h | | 100 | | | 40 | 5 | >5 | 5 | | | 15 | 75 | 5 | 5 | 100 | | | | | | | | Stillwater, crossing area extends into this unit | |
| 3 | ds | Rf/FI | 80 | 80 | 5 | 0.3 | 5 | 5 | 20 | 45 | 20 | 5 | m | 75 | | 25 | | 20 | 15 | <5 | 20 | 10 | | 50 | 25 | 5 | 10 | 80 | 10 | 10 | | | | | | Floodplain channel and several stream channels; adult and good juvenile habitat | |
| 4 | ds | Rn | -200 | 200 | 8 | 0.8 | 20 | | | 10 | 10 | 60 | h | | 100 | | | 40 | 5 | >5 | 5 | | | 15 | 75 | 5 | 5 | 100 | | | | | | | | Stillwater | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |



Nova Scotia Stream Data Sheet

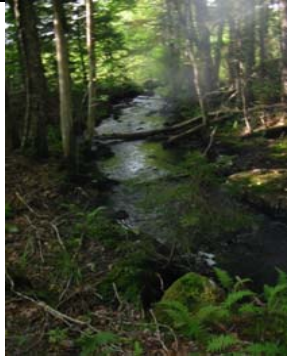
Stream Name: Black Duck Brook
 Personnel: KM,TN
 Start Point: 200 m downstream
 End Point: >800 m upstream

Stream No.: 6
 Date: September 5, 2008
 Stream Order: 1
 NTS Coordinates: 20T 443250 4950101 to 20T 442175 4950754

| Unit # | Unit Type | Stream Type | Chamagne at Unit End (m) | Unit Length (m) | Average Width (m) | Avg. Depth Wet Width (m) | Substrate % | | | | | | | Site % | | | | | Undercut Bank (%) | Overhanging Vegetation (%) | Large Woody Debris (m) | Shade (%) | Stream Banks | | | | | | | Pool Criteria | | | Pool Tail Criteria | | | | Comments | |
|--------|-----------|-------------|--------------------------|-----------------|-------------------|--------------------------|-------------|----------|------|---------|--------|------|-------|--------------|--------|-----|------|------|-------------------|----------------------------|------------------------|-----------|--------------|------|-------|--------|------------------|-----------------|--------|---------------|-----------|------------|--------------------|-----------------------|-----------|------------|---|--|
| | | | | | | | Bedrock | Boulders | Rock | Cobbles | Gravel | Sand | Fines | Embeddedness | Riffle | Run | Flat | Pool | | | | | Vegetation | | | | Erosion | | | Depth (m) | Cover (%) | Stream (%) | Embeddedness | Median Substrate Size | Fines (%) | Length (m) | | Turbulence (%) |
| | | | | | | | | | | | | | | | | | | | | | | | Bare Ground | Moss | Grass | Shrubs | Coniferous Trees | Deciduous Trees | Stable | | | | | | | | | |
| 1 | us | W | +1100 | 200+ | *10 | 0.6 | 30 | 20 | 10 | | 5 | 40 | h | | 30 | 70 | | 15 | 10 | 10 | 5 | 20 | 35 | 10 | 30 | 95 | | 5 | | | | | | | | | wetland above trail crossing | |
| 2 | us | Rf/F | +900 | 300 | 4 | 0.2 | 50 | 20 | 10 | 5 | 10 | 5 | l | 60 | | 40 | | 10 | 5 | 5 | 75 | 20 | 20 | 30 | 5 | 10 | 15 | 75 | 20 | 5 | | | | | | | | Efish - brook trout (22 cm forklength) in only section resembling pool - shallow; spot checks throughout- none |
| 3 | us | W | +500 | 300 | *10 | 0.5 | 40 | 20 | | | 5 | 35 | h | | 20 | 80 | | 10 | *10 | 5 | 5 | 40 | 30 | 5 | 20 | 95 | | 5 | | | | | | | | | wetland | |
| 4 | us | Rf/F | +200 | 200 | 4 | 0.2 | 55 | 25 | 10 | | 5 | 5 | l | 70 | | 30 | | 10 | 5 | 5 | 75 | 20 | 20 | 30 | 5 | 10 | 15 | 75 | 20 | 5 | | | | | | | | Less steep |
| 5 | x | Rf/FI | 180 | 180 | 4 | 0.2 | 55 | 25 | 10 | | 5 | 5 | l | 80 | | 20 | | 20 | 5 | 5 | 75 | 20 | 20 | 30 | 5 | 10 | 15 | 75 | 20 | 5 | | | | | | | | Steep and steep sideslopes. Efish - no captures |
| 6 | ds | F | -60 | 60 | 7 | 0.4 | 50 | 20 | | | | 30 | h | 20 | | 100 | | 10 | 5 | 15 | 60 | 15 | | 15 | 5 | 20 | 35 | 70 | 25 | 5 | | | | | | | Possible minnow observed, 30 cm banks | |
| 7 | ds | Rf/F | -100 | 40 | 5 | 0.2 | 55 | 25 | 10 | | 5 | 5 | l | 60 | | 40 | | 15 | 5 | 5 | 75 | 20 | 10 | 20 | 20 | 10 | 20 | 75 | 20 | 5 | | | | | | | | |
| 8 | ds | F | -200 | | *10 | 0.4 | 50 | 20 | | | | 30 | h | 20 | | 100 | | 10 | 5 | 15 | 60 | 15 | | 15 | 5 | 20 | 35 | 70 | 25 | 5 | | | | | | | Beaver dam at end slight ponding above | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | Note large beaver dam >1km downstream at Belle Street | |



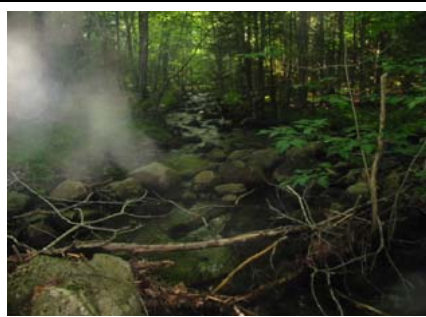
Unit 5 July 2008 - dry



Unit 2



Unit 3



Unit 4



Unit 5



Unit 6

Nova Scotia Stream Data Sheet

Stream Name: Trib. To Papermill Lake
 Personnel: KM,TN
 Start Point: downstream of BiHi
 End Point: upstream of BiHi

Stream No.:8
 Date: September 26, 2008
 Stream Order: 1
 NTS Coordinates: 20T 444945 4951722 to 444517 4951812

| Unit # | Unit Type | Stream Type | Chainage at Unit End (m) | Unit Length (m) | Average Width (m) | Avg. Depth Wet Width (m) | Substrate % | | | | | | | Site % | | | | Undercut Bank (%) | Overhanging Vegetation (%) | Large Woody Debris (m) | Shade (%) | Stream Banks | | | | | | Pool Criteria | | | Pool Tail Criteria | | | Comments | | | | |
|--------|-----------|-------------|--------------------------|-----------------|-------------------|--------------------------|-------------|----------|------|---------|--------|------|-------|--------------|--------|-----|------|-------------------|----------------------------|------------------------|-----------|--------------|-------------|------|-------|---------|------------------|-----------------|-----------|-----------|--------------------|--------------|-----------------------|----------|-----------|------------|--|------------------|
| | | | | | | | Bedrock | Boulders | Rock | Cobbles | Gravel | Sand | Fines | Embeddedness | Riffle | Run | Flat | | | | | Pool | Vegetation | | | Erosion | | | Depth (m) | Cover (%) | Stream (%) | Embeddedness | Median Substrate Size | | Fines (%) | Length (m) | Turbulence (%) | |
| | | | | | | | | | | | | | | | | | | | | | | | Bare Ground | Moss | Grass | Shrubs | Coniferous Trees | Deciduous Trees | | | | | | | | | | Stable |
| 1 | x.us | still/W | +200 | 200+ | 3 | 0.6 | | | | | | 100 | h | | 100 | | | 20 | 10 | | | 40 | 60 | | | 80 | 20 | | | | | | | | | | | |
| 2 | x | cvt | 100+ | 100+ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | existing culvert |
| 3 | x.ds | still/W | -200 | 200 | 2 | 0.6 | | | | | | 100 | h | | 100 | | 20 | 10 | | | 40 | 60 | | | 95 | 5 | | | | | | | | | | | wetland downstream and parallel existing HWY | |
| 4 | ds | R/F | -350 | 150 | <2 | 0.2 | 30 | 40 | 15 | 5 | 5 | 5 | l | 50 | 50 | 5 | 15 | 70 | 50 | 5 | 15 | 5 | 5 | 20 | 30 | 70 | | | | | | | | | | | Efish - no captures | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Unit 2

Unit 3

Unit 4

