

Jefferson Salamander  
Presence/Absence Reporting Form



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**Instructions:**

- You must complete a separate form for each pond sampled.
- Each form must be completed in its entirety (including permit numbers).
- Attach two orthophotos showing the location of the pond labelled with UTM coordinates (see example provided):
  - Map 1 must show the pond and local roads or features.
  - Map 2 will be a close-up of the pond (suggested scale 1:1000).
- Pond nomenclature must be consistent for all maps and reports.
- All conditions as per the WSCA and ESA permits must be followed.

Submit this form along with any samples to Dr. Jim Bogart (with permission) at the University of Guelph; 519-824-4120 (extension 58728). Copies of this form (including forms containing negative observations) must also be submitted to the authorizing MNRF District Office along with the ESA permit and WSCA report.

**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive                      Negative

PROJECT TITLE: Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Nathan De Carlo, Andrew Minielly

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P080a Pond ID: P081-22

Property Address: 18 Galfass Road (on 7 Rear Pt. 1st 30

UTM Coordinates (NAD83): 570766 E 4810415 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☐ Private ☒ Both

**LANDOWNER INFORMATION:**

Name: MTO / George Ochrym

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: 08/04/2020 - 09/04/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

5 minnow traps, set for 12 hours

# of salamanders observed: 0

Number of Samples Taken: 0

# of adult tail tips: —

# mortalities: —

# of larvae: —

# of larvae tail tips: —

# roadkills: —

**HABITAT INFORMATION:**

Average Pond Depth (m): 0.5m

Pond Description: pond situated within mixed forest

Terrestrial Vegetation Community Type: FOM2-2

Other amphibians observed or heard: spring peepers heard

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: IMG-7761 - IMG-7776

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive                      Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, KRISTEN CRITTANI

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283    Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P080/P081                      Pond ID: P001 23

Property Address: P080 - 12 Cullross Rd. CON 7 near PT Lot 30  
P081 - 7374 Cullross Rd. Puslinch ON

UTM Coordinates (NAD83): S 70674 E                      4910356 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☒ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: P080 - George Ochrym                      P081 - Michael Andrus

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: 19/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hrs - 6 traps set

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: 192808 - 193402

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)







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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one): Positive Negative

PROJECT TITLE: Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Johanna Perz, Adam McKelland

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 905.886.7022 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P080 / P080a Pond ID: P080-23

Property Address: \_\_\_\_\_

UTM Coordinates (NAD83): \_\_\_\_\_ E \_\_\_\_\_ N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☐ Private ☐ Both

*See previous*

**LANDOWNER INFORMATION:**

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: 19/03/2020 to 20/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

3 traps set for 12 hours

# of salamanders observed: 3 (1 clipped in previous year)

Number of Samples Taken:

# of adult tail tips: 2

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: 082022 to 083140

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one): Positive Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, KRISTEN CRITTANI

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P080/P081 Pond ID: Pond 23

Property Address: P080 - 18 Catfess Rd. East Rear PT LOT 30  
P081 - 7374 Catfess Rd. East ON

UTM Coordinates (NAD83): 57067 E 4810356 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☒ Private ☐ Both

**LANDOWNER INFORMATION:**

Name: P080 - George Ochrym P081 - Micheal Andrade

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: 30/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hrs - 6 traps set

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: 191332 to 192404

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive                      Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, OLGA HROPACH

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283    Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P80/P81                      Pond ID: P001-23

Property Address: P80 - 18 Calless Rd. CON - Rear Pt Lot 30  
P81 - 2374 Calless Rd. Puslinch ON

UTM Coordinates (NAD83): 570674 E    4810356 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☒ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: P80 - George Ochym    P81 - Michael Andrade

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: 13/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hrs - 3 traps set

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): 0.5m

Pond Description: shallow pond with lots of cattails and reed  
canary grass

Terrestrial Vegetation Community Type: MAM2, SWD, SWT, FOM

Other amphibians observed or heard: None

Egg Attachment Sites Present:

☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding:

☒ Yes ☐ No ☐ Unknown

Photos Taken:

☒ Yes ☐ No Photo #: \_\_\_\_\_

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive      Negative

PROJECT TITLE: Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Julie Ellis / Alex Macleod

Affiliation: \_\_\_\_\_

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: Pool 23 Pond ID: \_\_\_\_\_

Property Address: \_\_\_\_\_

UTM Coordinates (NAD83): \_\_\_\_\_ E \_\_\_\_\_ N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☐ Private ☒ Both

**LANDOWNER INFORMATION:**

Name: MTO property section

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: April 7-8, 2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

4 traps x 12 hours

# of salamanders observed: \_\_\_\_\_

Number of Samples Taken:

# of adult tail tips: \_\_\_\_\_

# mortalities: \_\_\_\_\_

# of larvae: \_\_\_\_\_

# of larvae tail tips: \_\_\_\_\_

# roadkills: \_\_\_\_\_

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: \_\_\_\_\_

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: \_\_\_\_\_

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one): Positive Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, OLGA HROPACH

Affiliation: AECOM

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Phone Number: 705.797.3283 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P084a Pond ID: Pool 27

Property Address: Culfax Rd Puslinch ON

UTM Coordinates (NAD83): 576743 E 480802 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☐ Private ☒ Both

**LANDOWNER INFORMATION:**

Name: Transportation Ministry C/O Property Section

Mailing Address: \_\_\_\_\_



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**SAMPLING INFORMATION:**

Date(s) of sampling: 13/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

4 traps 12-hours etc.

# of salamanders observed: 1 one (previously clipped)

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): 21m

Pond Description: Pond directly adjacent to Calass Rd.

Small SWT 2 community

Terrestrial Vegetation Community Type: Agriculture, FOM 2-2 across street

Other amphibians observed or heard: No

Egg Attachment Sites Present:

☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding:

☒ Yes ☐ No ☐ Unknown

Photos Taken:

☒ Yes ☐ No Photo #: \_\_\_\_\_

→ Salamander appeared lethargic and was placed under leaf litter beside the pond as per AECOM's Contingency plan. Staff returned to the site the next day, however the salamander was gone when they returned.

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive                      Negative

PROJECT TITLE: Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Johanna Perz and Adam McClelland

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: \_\_\_\_\_ Pond ID: Pool-27

Property Address: \_\_\_\_\_

UTM Coordinates (NAD83): \_\_\_\_\_ E \_\_\_\_\_ N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

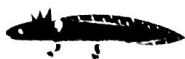
Land Ownership:    ☐ Public    ☐ Private    ☒ Both

**LANDOWNER INFORMATION:**

Name: MTO Property Section

Mailing Address: \_\_\_\_\_

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**SAMPLING INFORMATION:**

Date(s) of sampling: 19/03/2020 - 20/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

☒ Minnow Trap ☐ Cover Board ☐ Road ☐ Pitfall Trap ☐ Visual ☐ Incidental

Sample Type (circle all that apply):

☐ Tail Tip ☐ Roadkill ☐ Larvae ☐ Egg Mass ☐ Visual Observation

Search Effort (time spent, number of minnow traps etc.):

4 traps x 12 hours (deployed/retrieved @ 8:20 pm/pm)

# of salamanders observed: 0

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): 2

Pond Description: 2

Terrestrial Vegetation Community Type: 2

Other amphibians observed or heard: 2

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: 2

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: 20/03/2020 (dd/mm/yyyy)

Condition of samples received: 2

JPB #(s): 2





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





**Jefferson Salamander  
Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**Instructions:**

- You must complete a separate form for each pond sampled.
- Each form must be completed in its entirety (including permit numbers).
- Attach two orthophotos showing the location of the pond labelled with UTM coordinates (see example provided):
  - Map 1 must show the pond and local roads or features.
  - Map 2 will be a close-up of the pond (suggested scale 1:1000).
- Pond nomenclature must be consistent for all maps and reports.
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Submit this form along with any samples to Dr. Jim Bogart (with permission) at the University of Guelph; 519-824-4120 (extension 58728). Copies of this form (including forms containing negative observations) must also be submitted to the authorizing MNRF District Office along with the ESA permit and WSCA report.

**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one): Positive Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Tom Shorrey, Kristen Grittani

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P084 Pond ID: Pool-27

Property Address: Calfess Rd. Puskin ON

UTM Coordinates (NAD83): 570652.74 E 4810359.08 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☒ Private ☐ Both

**LANDOWNER INFORMATION:**

Name: Transportation Ministry c/o Property Section

Mailing Address: \_\_\_\_\_

Jefferson Salamander  
Presence/Absence Reporting Form



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 29/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hour survey - 4 minnow traps

# of salamanders observed: 1 One

Number of Samples Taken:

# of adult tail tips: 1

# mortalities: —

# of larvae: —

# of larvae tail tips: —

# roadkills: —

**HABITAT INFORMATION:**

Average Pond Depth (m): .70

Pond Description: Shallow marsh / Ditch on the side of a gravel road. Active Sedimentation occurring w/ Pond.

Terrestrial Vegetation Community Type: —

Other amphibians observed or heard: Leopard frog captured in same trap

Egg Attachment Sites Present:

☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding:

☒ Yes ☐ No ☐ Unknown

Photos Taken:

☒ Yes ☐ No Photo #: 194916 - 195025

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: — (dd/mm/yyyy)

Condition of samples received: —

JPB #(s): —





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





**Jefferson Salamander  
Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**Instructions:**

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- Each form must be completed in its entirety (including permit numbers).
- Attach two orthophotos showing the location of the pond labelled with UTM coordinates (see example provided):
  - Map 1 must show the pond and local roads or features.
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- Pond nomenclature must be consistent for all maps and reports.
- All conditions as per the WSCA and ESA permits must be followed.

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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive      Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, KRISTEN CRITANI

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283      Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P0846    Pond ID: Pool-27

Property Address: Calfess Rd. Puslinch ON

UTM Coordinates (NAD83): 570743 E      480989 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☐ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: Transportation Ministry c/o property Section

Mailing Address: \_\_\_\_\_



Jefferson Salamander  
Presence/Absence Reporting Form



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 30/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hours - 4 traps set

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: 193452 - 193930

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_



**Maps** (Please ensure road names and UTM coordinates are clearly visible)







**Instructions:**

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- Each form must be completed in its entirety (including permit numbers).
- Attach two orthophotos showing the location of the pond labelled with UTM coordinates (see example provided):
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- Pond nomenclature must be consistent for all maps and reports.
- All conditions as per the WSCA and ESA permits must be followed.

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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive      Negative

PROJECT TITLE: Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Julie Ellis / Alex MacLeod

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 905.886.7022 Email: julie.ellis@aecom.com

**PROPERTY INFORMATION:**

Site name: Pond Pond ID: Pool 27

Property Address: Culfax Rd. Aurora ON

UTM Coordinates (NAD83): 670743 E 4809999 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☐ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: MTD C/O Property Section

Mailing Address: \_\_\_\_\_

**Jefferson Salamander  
Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 07/04/2020 to 08/04/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

4 traps set for 12 hrs

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

see previous

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: \_\_\_\_\_

Egg Attachment Sites Present:

☐ Yes

☐ No

☐ Unknown

Suitable Hydroperiod for Breeding:

☐ Yes

☐ No

☐ Unknown

Photos Taken:

☐ Yes

☐ No

Photo #:

5783 to 5790

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)





**Jefferson Salamander  
Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**Instructions:**

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- Each form must be completed in its entirety (including permit numbers).
- Attach two orthophotos showing the location of the pond labelled with UTM coordinates (see example provided):
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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive                      Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, OLGA HROPACH

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283    Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P036                      Pond ID: P001-28

Property Address: 7337 Culbass Rd. Puslinch Con 7 PT Lots 31 and 32

UTM Coordinates (NAD83): S 71223 E    41808285 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☒ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: Nina McKinnon-Townsend, Gordon McKinnon

Mailing Address: ✓



Jefferson Salamander  
Presence/Absence Reporting Form



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 12/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hrs - 6 traps set

# of salamanders observed: 0 Zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): ~12m

Pond Description: Pond surrounded by small tree row and agricultural field.

Terrestrial Vegetation Community Type: Agricultural field

Other amphibians observed or heard: None

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: \_\_\_\_\_

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_



**Maps** (Please ensure road names and UTM coordinates are clearly visible)







**Instructions:**

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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one): Positive Negative

PROJECT TITLE: Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): Johanna Perz / Adam McClelland

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 905.886.7022 Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: \_\_\_\_\_ Pond ID: Pool-28

Property Address: \_\_\_\_\_ see previous forms

UTM Coordinates (NAD83): \_\_\_\_\_ E \_\_\_\_\_ N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership: ☐ Public ☐ Private ☐ Both

**LANDOWNER INFORMATION:**

Name: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

Jefferson Salamander  
Presence/Absence Reporting Form



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 12/03/2020 to 12/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap Cover Board Road Pitfall Trap Visual Incidental

Sample Type (circle all that apply):

Tail Tip Roadkill Larvae Egg Mass Visual Observation

Search Effort (time spent, number of minnow traps etc.):

6 traps set for 12 hours

# of salamanders observed: 3 three

Number of Samples Taken:

# of adult tail tips: 3

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present: ☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding: ☒ Yes ☐ No ☐ Unknown

Photos Taken: ☒ Yes ☐ No Photo #: 072407 to 073706

*See previous forms*

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_





**Maps** (Please ensure road names and UTM coordinates are clearly visible)



Jefferson Salamander  
Presence/Absence Reporting Form



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**Instructions:**

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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive      Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, KRISTEN GRITANI

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283      Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: P086    Pond ID: Pool-28

Property Address: 7337 Calfess Rd. Pushtuk Con 2 PT lots 31 and 32

UTM Coordinates (NAD83): 571283 E      480885 N (NOT Lat, Long)

(Do not record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☒ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: Nina McKinnon-Townsend, Gordon McKinnon

Mailing Address: /



**Jefferson Salamander**  
**Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 29 / 03 / 2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hrs - 6 traps set

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present:

☒ Yes

☐ No

☐ Unknown

Suitable Hydroperiod for Breeding:

☒ Yes

☐ No

☐ Unknown

Photos Taken:

☒ Yes

☐ No

Photo #: 184225 - 185858

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_



**Maps** (Please ensure road names and UTM coordinates are clearly visible)





**Jefferson Salamander**  
**Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**Instructions:**

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**SECTION A – TO BE FILLED OUT BY THE COLLECTOR**

Search Result (circle one):                      Positive                      Negative

**PROJECT TITLE:** Highway 401/6

**CONTACT INFORMATION:**

Name of observer(s): TOM SHORNEY, KRISTEN GRITANI

Affiliation: AECOM

Mailing Address: AECOM Canada Ltd., 105 Commerce Valley Drive West, 7<sup>th</sup> Floor, Markham, ON L3T 7W3, Canada

Phone Number: 705.797.3283    Email: [julie.ellis@aecom.com](mailto:julie.ellis@aecom.com)

**PROPERTY INFORMATION:**

Site name: Po86                      Pond ID: Pool-28

Property Address: 7337 Calfax Rd. Puslinch ON 7 PT Lots 31 and 32

UTM Coordinates (NAD83): 571293 E    4809885 N (**NOT** Lat, Long)

(**Do not** record UTM of each minnow trap, only one coordinate per pond or road location is required)

Land Ownership:    ☐ Public    ☒ Private    ☐ Both

**LANDOWNER INFORMATION:**

Name: Nina McKinnon - townsend, Gordon McKinnon.

Mailing Address: /

**Jefferson Salamander  
Presence/Absence Reporting Form**



Wildlife Scientific Collector's Authorization # 1095107  
ESA Permit # GU-B-004-18

**SAMPLING INFORMATION:**

Date(s) of sampling: 30/03/2020 (dd/mm/yyyy)

Survey Type (circle one):

Minnow Trap

Cover Board

Road

Pitfall Trap

Visual

Incidental

Sample Type (circle all that apply):

Tail Tip

Roadkill

Larvae

Egg Mass

Visual Observation

Search Effort (time spent, number of minnow traps etc.):

12 hrs - 6 traps set

# of salamanders observed: 0 zero

Number of Samples Taken:

# of adult tail tips: 0

# mortalities: 0

# of larvae: 0

# of larvae tail tips: 0

# roadkills: 0

**HABITAT INFORMATION:**

Average Pond Depth (m): \_\_\_\_\_

Pond Description: \_\_\_\_\_

Terrestrial Vegetation Community Type: \_\_\_\_\_

Other amphibians observed or heard: None

Egg Attachment Sites Present:

☒ Yes ☐ No ☐ Unknown

Suitable Hydroperiod for Breeding:

☒ Yes ☐ No ☐ Unknown

Photos Taken:

☒ Yes ☐ No Photo #: 183135 - 184250

**SECTION B – TO BE FILLED OUT BY DR. BOGART**

Date samples received: \_\_\_\_\_ (dd/mm/yyyy)

Condition of samples received: \_\_\_\_\_

JPB #(s): \_\_\_\_\_