

Dragonfly Surveyors: Resources & Checklists



Adrienne Moat
Community Outreach Coordinator
Johnson Creek Watershed Council

Resources for Surveyors

1. ONLINE: Dragonfly Toolkit (Google Doc, shared via email)
 - Survey schedule, contact information, surveyor checklist, links to resources
2. ONLINE: JCWC Website
 - Dragonfly resources, orientation materials, links to iNaturalist & how-to's
3. IN PERSON: Community Science Gear Hub
 - Gear pickup and return, helpful papers

1. “Dragonfly Toolkit – JCWC”

- Survey schedules
- Contact information
& Resources
- Surveyor Checklist



Email: Dragonfly Toolkit – JCWC – Invitation to comment

Mail ▾

COMPOSE

Dragonfly Toolkit - JCWC - Invitation to edit Inbox x

Inbox (58)

Starred

Sent Mail

Drafts (44)

Community Science

Confluence News ...

Diversity Committee

Dragonfly Surveys

eBulletin

Email lists (Resol...

EMSWCD Worksho...

Invasive Species ...

Lao Buddhist Cente...

MLK & WWE

NCCC

Parade

Teachers/Schools

Courtney Beckel

Alexis Barton (via Google Sheets) <drive-shares-noreply@google.com>
to me ▾

4:32 PM (0 minutes ago) ☆

Alexis Barton has invited you to **edit** the following spreadsheet:

[Dragonfly Toolkit - JCWC](#)

Hello Dragonfly Surveyors,
Here is your Toolkit! Here you can access your survey dates and fellow surveyor contact information, as well as a checklist and resources. Feel free to reach out if you have any questions! I'll also embed a link to this document in an email.

Alexis

[Open in Sheets](#)

Google Sheets: Create and edit spreadsheets online.
Google Inc. 1600 Amphitheatre Parkway, Mountain View, CA 94043, USA
You have received this email because someone shared a spreadsheet with you from Google Sheets.

Click here to [Reply](#) or [Forward](#)

Opens in your web browser, functions like a spreadsheet

Inbox (58) - alexis@jwcw...

Johnson Creek Watershe...

My Drive - Google Drive

Dragonfly Toolkit - JCWC

Secure

https://docs.google.com/spreadsheets/d/1rOAMixrITCwOhtgRmx_Su-BUWNNp_MeeKkViLWoTyOc/edit#gid=1650269976

Apps

★ Bookmarks

America Learns: Your

Events Calendar

salesforce.com - Cust

VerticalResponse

Wordpress Log In

AmeriCorps Members

Dragonfly Toolkit - JCWC

File Edit View Insert Format Data Tools Add-ons Help

Comments Share

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	A	B	C	D	E	F	G	H	I	J	K	L
1	Contact information for fellow surveyors can be found on the next sheet (see bottom of screen)											
2												
3	Date	Location	Surveyor 1	Surveyor 2	Substitute	Have you gotten in touch?	Date surveyed	Data entered into iNaturalist?				
4	Saturday, June 10th	Brookside Wetland										
5	Saturday, June 10th	Westmoreland Park										
6	Saturday, June 10th	Centennial Pond										
7												
8	Saturday, June 24th	Brookside Wetland										
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22	Saturday, August 5th	Centennial Pond										
23												
24	Saturday, August 19th	Brookside Wetland										
25	Saturday, August 19th	Westmoreland Park										

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Schedule

Contact Information

Surveyor Checklist

Resources

Windows

Firefox

File Explorer

Google Chrome

Google


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PowerPoint

4:29 PM



6/1/2017

Survey Schedules

Dragonfly Toolkit - JCWC ☆  File Edit View Insert Format Data Tools Add-ons Help All changes saved in Drive

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12	Saturday, July 8th	Brookside Wetland						
13	Saturday, July 8th	Westmoreland Park						
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16	Saturday, July 22nd	Brookside Wetland						
17	Saturday, July 22nd	Westmoreland Park						
18	Saturday, July 22nd	Centennial Pond						
19								
20	Saturday, August 5th	Brookside Wetland						
21	Saturday, August 5th	Westmoreland Park						
22	Saturday, August 5th	Centennial Pond						
23								
24	Saturday, August 19th	Brookside Wetland						
25	Saturday, August 19th	Westmoreland Park						

  Schedule Contact Information Surveyor Checklist Resources

Contact Information

Dragonfly Toolkit - JCWC

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	A	B	C	D	E	F	G	H	I
1	Your contact information here is only accessible to fellow dragonfly surveyors and JCWC staff								
2									
3	<u>Name</u>	<u>Cell phone</u>	<u>Email address</u>						
4	Alexis Barton	530 902-7528	alexis@jwc.org	Johnson Creek Watershed Council					
5	Celeste Mazzacano	503 490-0389	cmazzacano@gmail.com						
6									
7									
8	<u>Name</u>	<u>Cell phone</u>	<u>Email address</u>	<u>Number of surveys completed</u>					
9									
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Schedule

Contact Information

Surveyor Checklist

Resources

Surveyor Checklist

Dragonfly Toolkit - JCWC										
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fx										
	A	B	C	D	E	F	G	H	I	J
1	Dragonfly Surveyor Checklist									
2	2 weeks before your survey:									
3	Get in touch with your survey partner to decide the following:									
4	1) Confirm survey date and time									
5	2) Discuss transportation (carpool, meet there?)									
6	3) Establish who will pick up and return equipment									
7	That person: please email communityscience@jcw.org to coordinate when to pick up, and when to return, JCWC gear									
8	4) Answer: Who will upload data onto iNaturalist?									
9	Day of your survey:									
10	Make sure you are in good physical health.									
11	Bring your own:									
12	Water bottle & snack	Boots/shoes for mud								
13	Phone and/or camera	Sunscreen								
14	Backpack	Wide-brimmed hat								
15	Weather-appropriate gear									
16	Provided by JCWC:									
17	Insect Net	Field Guide								
18	Lens	Polarized Sunglasses								
19	Data sheets	Map & directions to site								
20	"Quick Guide to Ode Families"	Protocol manual								
21	Optional:									
22	Boots to check out (JCWC), binoculars (bring your own)									
23	Have fun!									
24	After your survey:									
25	1) Return gear to JCWC (email communityscience@jcw.org to coordinate return gear)									
+ ≡ Schedule Contact Information Surveyor Checklist Resources										

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Apps BJC Sites Email Ali Farka Toure Radic Vertical Response Outreach portals Chinook Doodle Polls AORTA | Anti-Oppe JCWC home

Example- Dragonfly Toolkit 2018

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	A	B	C	D	E
1	Date	Location	Surveyor 1	Surveyor 2	Surveyor 3
2	Saturday, June 10th	Brookside Wetland	Adrienne Moat	Winona Laduke	
3	Saturday, June 10th	Westmoreland Park	Alexis Barton	Courtney Beckel	
4	Saturday, June 10th	Centennial Pond	Daniel Newberry	Celesta Mazzacano	
5					
6	Saturday, June 24th	Brookside Wetland	Courtney Beckel	Daniel Newberry	
7	Saturday, June 24th	Westmoreland Park	Celesta Mazzacano	Alexis Barton	
8	Saturday, June 24th	Centennial Pond	Danny Devito	Winona Laduke	
9					
10	Saturday, July 8th	Brookside Wetland	Winona Laduke	Alexis Barton	
11	Saturday, July 8th	Westmoreland Park	Daniel Newberry	Courtney Beckel	
12	Saturday, July 8th	Centennial Pond	Celesta Mazzacano	Danny Devito	
13					
14	Saturday, July 22nd	Brookside Wetland	Winona Laduke	Courtney Beckel	
15	Saturday, July 28nd	Westmoreland Park	Alexis Barton	Celesta Mazzacano	
16	Saturday, July 22nd	Centennial Pond	Daniel Newberry	Danny Devito	
17					
18	Saturday, August 5th	Brookside Wetland	Alexis Barton	Daniel Newberry	
19	Saturday, August 5th	Westmoreland Park	Winona Laduke	Courtney Beckel	



2. JCWC Website

jcwc.org/dragonfly-surveyors



- Orientation materials
 - iNaturalist
 - Feedback



JOHNSON CREEK WATERSHED COUNCIL

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VOLUNTEER WITH US

There are many fun ways to get involved!

[Learn More](#)

Volunteer



Science



Restoration



About Us

Events

Work party with Friends of Tideman Johnson

June 3 @ 9:00 am - 12:00 pm

Dragonfly Survey Orientation

June 3 @ 9:30 am - 4:30 pm

Wild Flower Hike on Powell Butte

June 4 @ 9:00 am - 11:00 am



JOHNSON CREEK WATERSHED COUNCIL

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[Calendar](#)

Upcoming Events

Community Science

Stewardship
Programs

Outreach Task Force

Internships

Board Service

Beaver Surveyors

Dragonfly Surveyors

Lamprey and
Steelhead Surveyors

Salmon Surveyors

Involved!



Volunteer



Science



Restoration



About Us

Events

Work party with Friends of Tideman Johnson

June 3 @ 9:00 am - 12:00 pm

Dragonfly Survey Orientation

June 3 @ 9:30 am - 4:30 pm

Wild Flower Hike on Powell Butte

June 4 @ 9:00 am - 11:00 am

Dragonfly Surveyors



Curious about dragonflies in the Johnson Creek Watershed? Check out our Dragonfly Science page [HERE](#), including results from last year's surveys!

Welcome Dragonfly Surveyors.

As Summer 2017 approaches, we are excited to move into our second season of volunteer dragonfly surveys. Surveyors will learn local dragonfly and damselfly

Search

Upcoming Events

Work party with Friends of Tideman Johnson
June 3 @ 9:00 am - 12:00 pm

Dragonfly Survey Orientation
June 3 @ 9:30 am - 4:30 pm

Wild Flower Hike on Powell Butte
June 4 @ 9:00 am - 11:00 am

Sunday Work Party at Brannen Property Natural Area
June 4 @ 9:00 am - 12:00 pm

Mini-Litter Clean up
June 15 @ 5:30 pm - 7:30 pm

[View All Events](#)

E-Bulletin

Sign up for our E-bulletin:

Join Now

[Donate](#)

Scroll Down for links & resources...

Welcome Dragonfly Surveyors.

As Summer 2017 approaches, we are excited to move into our second season of volunteer dragonfly surveys. Surveyors will learn local dragonfly and damselfly identification techniques and complete once-a-month surveys from July to October.

Surveyors, this is your resource hub! Handy links:

Scheduling

Surveyor contact information & view survey dates – *link will be emailed to you*

Orientation materials:

[Odonata Species of Multnomah County](#)

Dragonfly Survey FAQs & Check List – *coming soon*

[Site Directions](#)

Volunteer Manual- *coming soon*

Quick Guide to Odonate Families – *coming soon*

Presentation CASM LLC – *coming soon*

iNaturalist

[Using iNaturalist to add your observations](#)

Project page for data entry: [here](#)

Species check list: [here](#)

Feedback

Fill out our anonymous volunteer survey below to give us feedback on the dragonfly surveys.

[Volunteer Survey](#)

[Join Now](#)

Donate

Become a Friend of Johnson Creek.
The most important way you can support the work of the Johnson Creek Watershed Council is by becoming a Friend of Johnson Creek
[READ MORE](#)

Translate

Translate to:

English ▼

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3. In Person

Before your survey:

We will be in touch with...

- Reminder email
- Survey details i.e. reach, partner, substitute, etc.
- Maps/directions
- Request to schedule gear pick-up & return

Contact your partner to determine...

- Timing
- Transportation
- iNaturalist data upload
- Gear pick-up & return

Our New Office!

(View from SE 40th & Woodstock)

- Ring the doorbell to get buzzed in
4033 SE Woodstock Blvd., Keiter Hall,
Portland, OR 97202



More information on entry to come via email...

Getting Your Gear

Contact Adrienne
(adrienne@jcwc.org), or Chuck
(chuck@jcwc.org) to arrange gear
pick-up and return.

View from corner of SE
41st & Woodstock

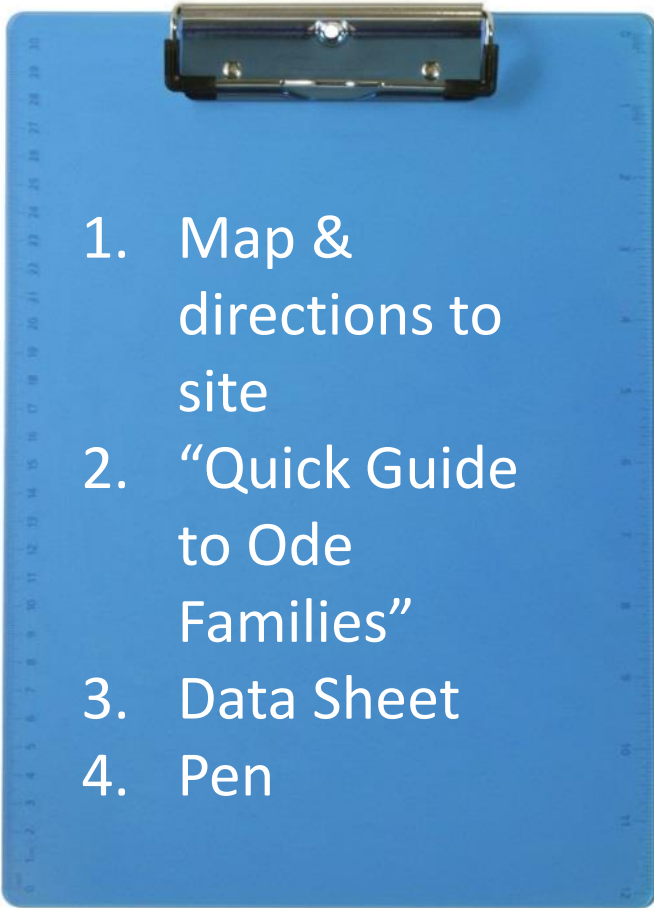
Pick-up:
**Wednesday-
Friday**
Return:
**Monday &
Tuesday**




**Ring the Bell
for JCWC
only please!**

Surveyor Gear

Provided by JCWC...

- 
1. Map & directions to site
 2. "Quick Guide to Ode Families"
 3. Data Sheet
 4. Pen

- 
1. Insect Nets
 2. Polarized sunglasses
 3. Odonate Field Guide book
 4. Field Vest
 5. Two collapsed poles

Surveyor Gear Continued...

Bring your Own...

1. Water bottle & snack
2. Phone and/or camera
3. Backpack
4. Sunscreen
5. Wide-brimmed hat
6. Weather-appropriate gear
7. Boots/shoes for mud

Optional:

1. Your binoculars
2. Rubber boots

Your survey week is here!



Day of your survey:

- Make sure you're in good physical health
- Bring your gear, be safe, and have fun!

After your survey:

- Return gear to JCWC
- Upload iNaturalist data
- Confirm you uploaded iNat data on Dragonfly Toolkit
- Make sure your next survey is on your calendar

Check the Weather

Monitoring Protocol

When should you survey?

Time range	10:00 am - 4:00 pm			9:30 am - 4:30 pm	
Temperature	< 59°F (15°C)	59-65°F (15-18°C)	65-75°F (18-24°C)	>75°F (24°C)	>88°F (31°C)
Cloud cover >60%	No	No	Yes	Yes	No
Cloud cover <60%	No	Yes	Yes	Yes	No
Windy (small tree branches swaying)	No	No	No	No	No
Rain	No	No	No	No	No

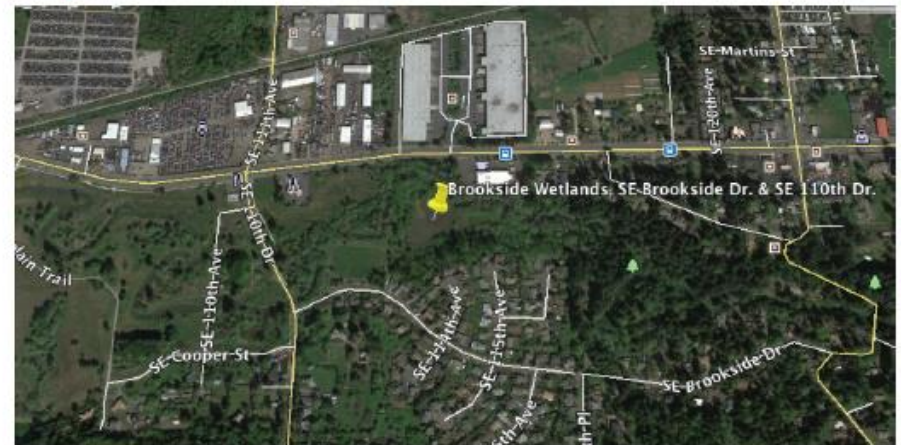
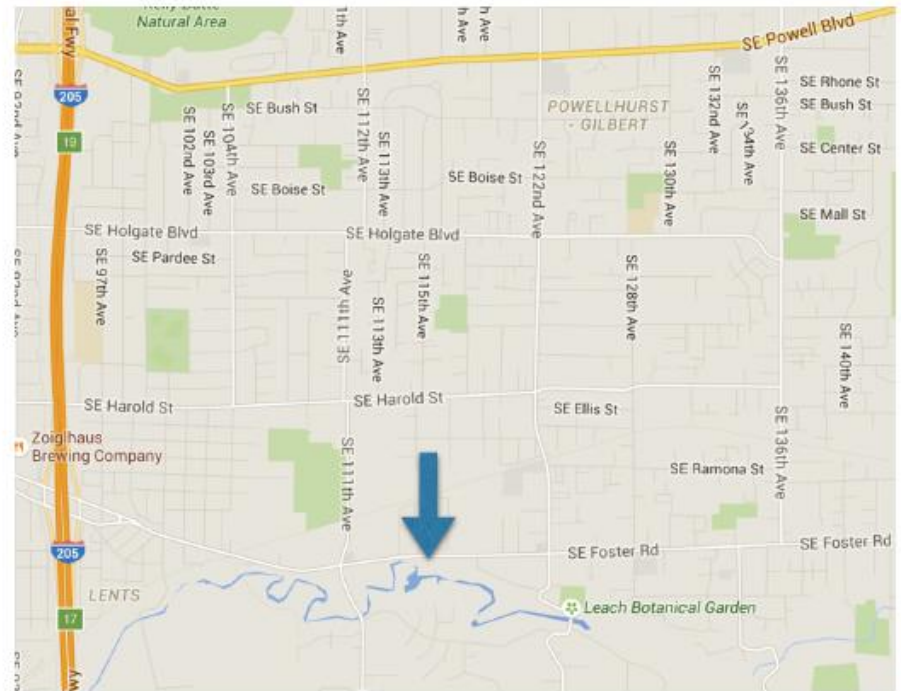
Brookside Wetlands

SE 110th Dr. & SE Brookside Dr.

Driving Directions:

- from SE Foster Rd. turn south onto SE 110th Dr.
- take the 1st left (east) onto SE Brookside Dr.
- park entrance will be on your left; can park on either side of the street along Brookside
- take gravel walking trail & cut right along informal trail where main trail ends

If coming from the west, can also take Mt. Scott Blvd, turn north (left) onto SE 112th Ave, the right onto SE Brookside



Brookside Wetlands

Transect:

walk along far edge of
mowed grass circle
(adjacent to creek)

then walk perimeter of
main ponds

look over the water
and in vegetation



Westmoreland Park

SE 22nd Ave. between SE Bybee Blvd & SE Lambert St.

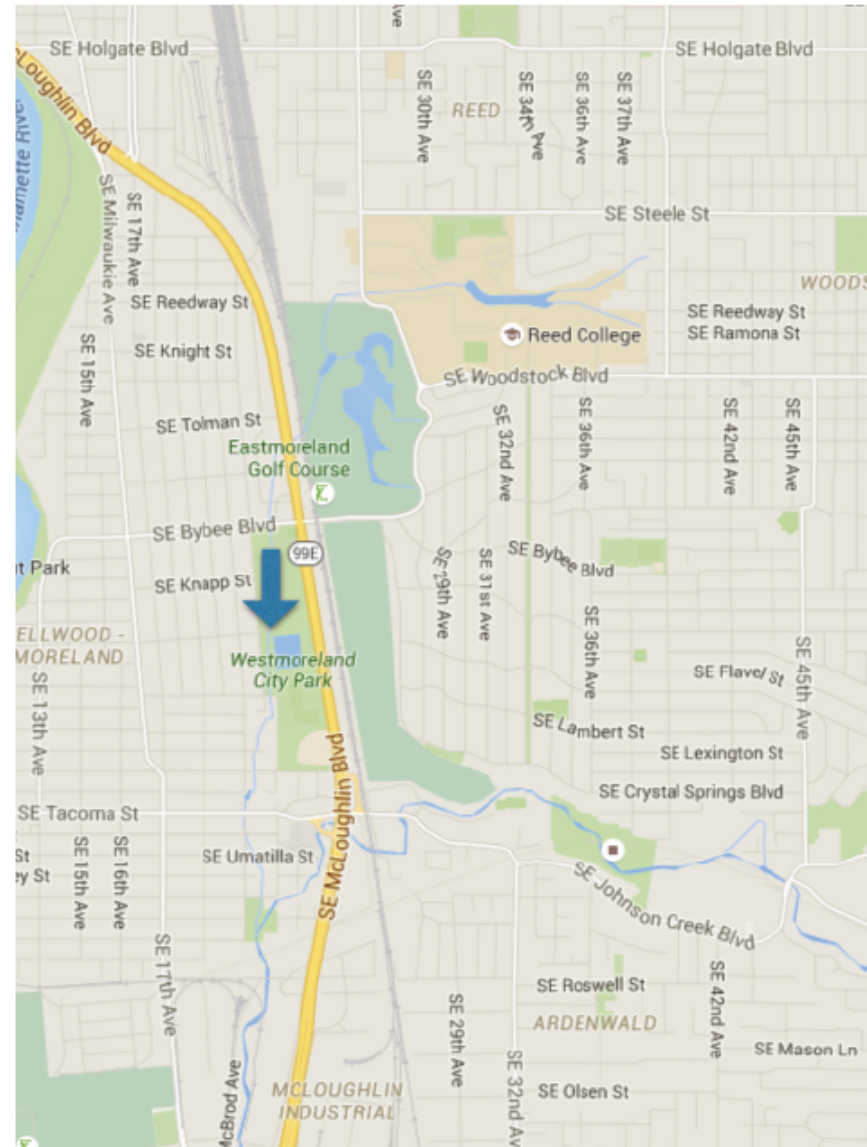
Driving Directions:

from the south:

- from SE McLoughlin Blvd. (99E), take Tacoma St. exit towards Sellwood Bridge;
- turn right onto SE Tenino & continue onto SE Tacoma;
- turn right onto SE 19th Ave, then right onto SE Lambert and left onto SE 22nd Ave.
- can park along west side of SE 22nd Ave or on any cross street (Lambert, Knapp, Rex)

from the north:

- take MLK Jr Blvd/SE McLoughlin
- exit McLoughlin at SE 32nd Ave.
- turn right onto SE Bybee
- turn left on SE 22nd Ave



Westmoreland Park

Transect:

can enter fence through gates (asterisks; lift upper rail out of brackets) or hop over split rail fence

walk perimeter of wetlands & edge of creek on both sides of stream

look over the water and in vegetation





Centennial Pond: Currently under construction!

- *Only have permission to survey on weekends*
 - Park across the street at the Grange
 - Enter at the far end of fence shown above





DRAGONFLY SURVEYS - Checklist & FAQ's

Complete the following activities before you survey:

- ☐ Save your survey dates on your personal & professional calendars.
- ☐ Communicate with your designated survey partner and share your cell phone number and email address with them. Let them know how best to reach you.
- ☐ Make sure you are in good physical health.
- ☐ Decide on a time for your survey with your partner. Ensure you have a minimum of 3 hours to survey.
- ☐ Decide if you want to carpool or meet at the survey site.
- ☐ Confirm which person will be responsible for equipment check-in & out and who will upload data to iNaturalist.
- ☐ Pick up gear on a Wednesday, Thursday, or Friday before your survey; our offices are generally open from 9am-5pm, but please check in advance. If you and your partner cannot make it during those hours, contact Alexis (communityscience@jcw.org) to set up a meeting time.
- ☐ If you are not available then, coordinate with Alexis (communityscience@jcw.org) to schedule a time.

Equipment needed

Bring your own	Provided by JCWC
<ul style="list-style-type: none"> <input type="checkbox"/> Water bottle & snack <input type="checkbox"/> Cell phone and/or camera <input type="checkbox"/> Backpack <input type="checkbox"/> Sunscreen <input type="checkbox"/> Weather-appropriate clothing <input type="checkbox"/> Wide-brimmed hat <input type="checkbox"/> Boots/shoes for mud 	<ul style="list-style-type: none"> <input type="checkbox"/> Insect net <input type="checkbox"/> Hand lenses <input type="checkbox"/> Polarized sunglasses <input type="checkbox"/> Field Guide <input type="checkbox"/> Map & directions to survey location <input type="checkbox"/> Data sheet <input type="checkbox"/> A Quick Guide to Ode Families <input type="checkbox"/> Optional: rubber boots, field vest

Complete the following activities after you survey:

- ☐ Upload your data to iNaturalist, ideally within 24 hours of your survey. Your data is so valuable to us for future projects and as an indicator of creek health.
- ☐ Please return your equipment on the Monday or Tuesday following your survey so we have gear for other surveyors. Our offices are generally open M-F from 9am-5pm but please check in advance. If you and your partner cannot make it during those hours, contact Alexis (communityscience@jcw.org) to set up a meeting time.
- ☐ Please note on the Dragonfly Toolkit Google Sheets page the date you surveyed and confirm data upload. Make sure you know when your next survey (and substitute) days are!
- ☐ Please give us feedback on the Dragonfly Surveys and your volunteer experience by filling out our volunteer survey at <http://jcw.org/volunteer-survey/>

The Johnson Creek Watershed Council is a 501(c)(3) non-profit organization.
1900 SE Milport Road, Suite B Milwaukie, OR 97222 503-652-7477 www.jcw.org



What if...?

Question: What if the conditions aren't conducive to dragonfly surveying?

You have an extension that provides you with an additional weekend before your gear is due the following Tuesday; specific dates will be in the email sent to you two weeks prior to your survey date. Please coordinate with your partner to set up a back-up survey date.

Question: What if my partner has not shown up and I cannot get a hold of them?

Do not survey by yourself. Call your substitute. If they do not respond, send Alexis an email and she will ensure you can survey again. You have a flexible schedule to allow time to reschedule due to weather or communication problems.

Question: What if I need to cancel? My partner notifies me that they are not able to do the planned survey date?

We are counting on you to show up to your survey. However, if this happens, contact your substitute as soon as you find out. If your substitute is unavailable, notify Alexis.

Question: What if there is an injury during our survey?

If the person is responsive and able to communicate, they decide their own course of treatment. If a person is unconscious, call 911. When you are able, notify Alexis.

Question: What if you are approached and asked what you are doing?

Stop and take a minute to explain that you're a volunteer with JCWC, collecting data on dragonflies. Ask them if they have seen them here recently. Direct them to JCWC if they're interested in learning more!

Question: What if we encounter people living along the creek?

You may encounter people living along the creek. If you feel unsafe at any point, please leave immediately. If people are curious or indifferent, please answer any questions and continue on your way.

Question: What if I didn't have the best time with my partner, and we've been scheduled to survey again together...?

We want you to have an enjoyable experience. Let us know and we can reassign you, with discretion.

Still have more questions? Contact Alexis at 503-652-7477 Ext. 102 or communityscience@jcw.org

The Johnson Creek Watershed Council is a 501(c)(3) non-profit organization.
1900 SE Milport Road, Suite B Milwaukie, OR 97222 503-652-7477 www.jcw.org

What-If...

I can't survey for the date I'm signed up for?

I'll contact my week's substitute, then update Adrienne

I can't get in touch with my survey partner?

I'll contact my week's substitute, then update Adrienne

Someone asks me what I'm doing while surveying?

I'll tell them I'm a volunteer with JCWC, recording data on dragonflies!

Final notes

- Please mark your calendar!
 - Primary surveyor *AND* substitute surveyor dates
- Sites are marshy; rubber boots/long pants recommended especially early in the season
 - If you don't have boots, contact Adrienne *well in advance*, we can probably hook you up!

Thank you!



Questions?