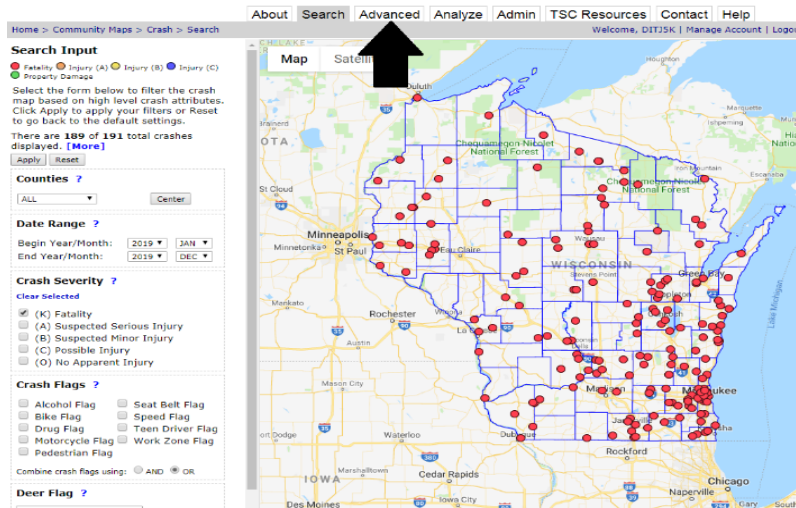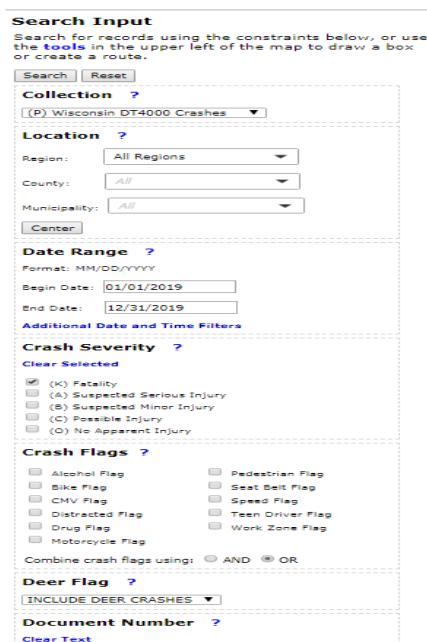## Reading CSV Data from Community Maps

When using Community Maps to analyze crashes in a particular area, it can be useful to view more detailed documentation of the crash to fully understand driving behaviors and patterns. By following these steps, the user can download a CSV file that allows them to view this more detailed information on a convenient spreadsheet.
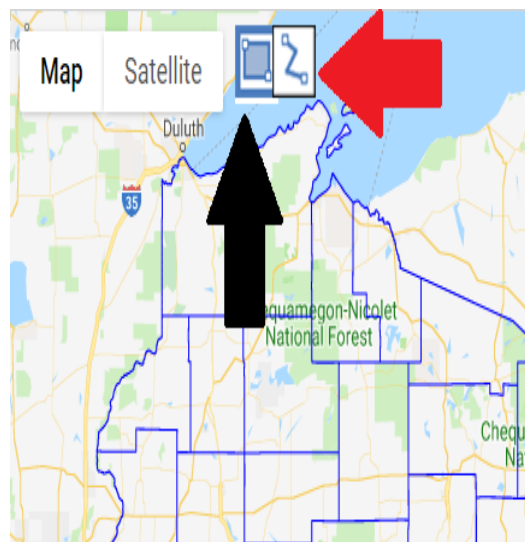
1) Access the "Advanced Tab" of Community Maps

2) Once in the "Advanced" tab, there are several options for how you would like to restrict crash data. You can use…

   a. **Search Input**: Allows the user to restrict crashes by location, date, severity, and behavioral flags.

   b. **Find Records Inside a Box:** Allows the user to create a custom box that will restrict crash data to the location covered by the box.

   c. **Find Records Along a Route:** Allows the user to create a custom route along a roadway that will restrict crash data to the route specified.
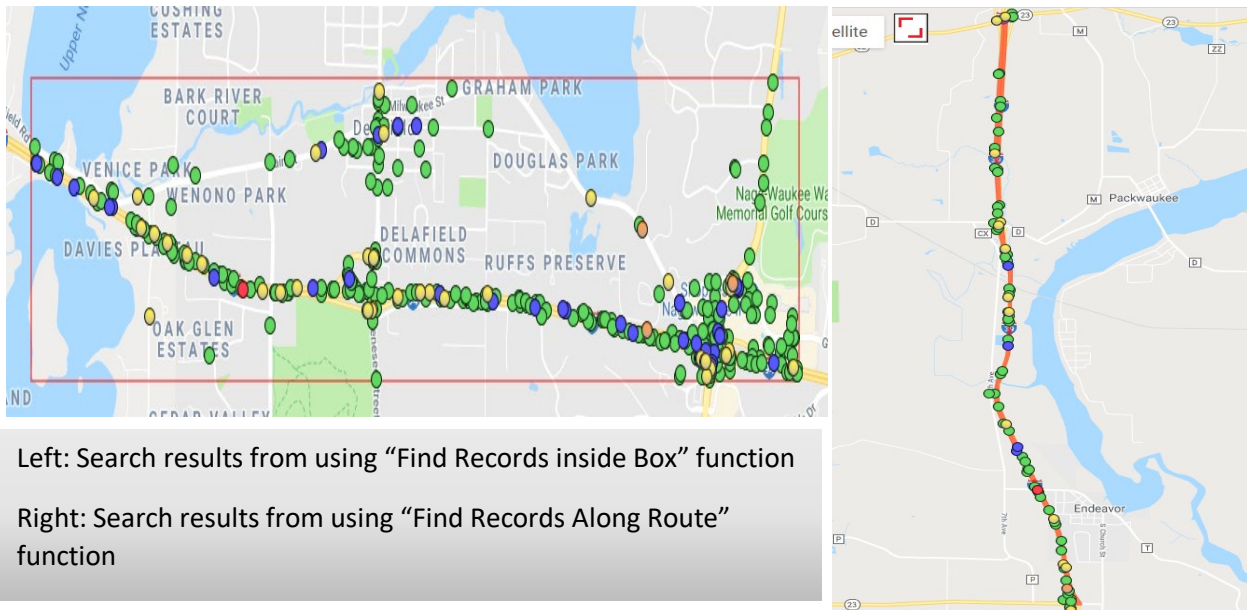

Search Input Box

Black Arrow = Find Records Inside a Box

Red Arrow = Find Records Along a Route

The Search input box can be used with these options.

3) After selecting the parameters you would like to use, click the "Search" button in the search input box. This will display all of the crashes under these parameters.

Left: Search results from using "Find Records inside Box" function

Right: Search results from using "Find Records Along Route" function

4) Under the "Search Results" tab on the left side of the screen, click the "Download CSV" button to download the full crash details in a spreadsheet. Under the "Sort By" button you will have the option to sort the data by date, location, and severity. How you choose to sort the results under this button will be the default sort the data is in when the spreadsheet is downloaded.

5) After downloading and opening the CSV, crash data will load onto a spreadsheet with each row containing a crash and each column containing an attribute. On pages 5-6 there is a legend that explains these attributes. Notice how the data reads chronologically by date, this is because it was sorted by crash date when the CSV was downloaded.

DOCTNMBR	AGENCY	ACCDDATE	ACCDHOU	COUNTY	CNTYCODE	MUNICIPA	MUNITYPE	MUNICOD	ONRDWY	ONRDWYI	ATRDWY	INTDIS	INTDIR	LATITUDE	LONGITUI	INJSVR	TOTFATL	TOTINJ	TOTVEH
3WL0MN3P3L	WAUKESHA COUNTY S	1/11/2017	9	WAUKESHA	67	DELAFIELL	C	6772	94	W	GENESEE !	0.12	W	43.05467	-88.407	O	0	0	1
3WL0MN3P3K	WAUKESHA COUNTY S	1/11/2017	8	WAUKESHA	67	DELAFIELL	C	6772	094 RAMP	W	C RAMP IF	0		43.05513	-88.407	O	0	0	1
B6L16XM7RD	DELAFIELD POLICE DEI	1/12/2017	11	WAUKESHA	67	DELAFIELL	C	6772	MILWAUKEE ST		GOLF RD	0		43.0535	-88.3764	C	0	1	2
3WL0MPBQ6	WAUKESHA COUNTY S	1/14/2017	10	WAUKESHA	67	DELAFIELL	C	6772	94	E	RAMP CTH	0.03	E	43.05367	-88.3984	O	0	0	1
3WL0LHJN04	WAUKESHA COUNTY S	1/19/2017	12	WAUKESHA	67	DELAFIELL	C	6772	94	W	RAMP IH !	0.1	E	43.05396	-88.4012	O	0	0	2
3WL0LHJN05	WAUKESHA COUNTY S	1/19/2017	9	WAUKESHA	67	DELAFIELL	C	6772	94	E	RAMP IH !	0.04	W	43.05391	-88.4125	O	0	0	2
B6L0MXQXVS	DELAFIELD POLICE DEI	1/21/2017	15	WAUKESHA	67	DELAFIELL	C	6772	PARKING LOT		GOLF RD	0		43.05298	-88.3695	O	0	0	2
B6L16ZV8VR	DELAFIELD POLICE DEI	1/23/2017	19	WAUKESHA	67	DELAFIELL	C	6772	MILWAUKEE ST		GOLF RD	0.04	E	43.05318	-88.3758	O	0	0	1
3WL0MN3P32	WAUKESHA COUNTY S	1/28/2017	20	WAUKESHA	67	DELAFIELL	C	6772	094 RAMP	W	CTH C	0.08	W	43.05426	-88.4064	O	0	0	1
3WL0MN3P4(	WAUKESHA COUNTY S	1/29/2017	12	WAUKESHA	67	DELAFIELL	C	6772	094 RAMP	E	83	0		43.05084	-88.374	O	0	0	2
3WL0M2T5JW	WAUKESHA COUNTY S	1/30/2017	19	WAUKESHA	67	DELAFIELL	C	6772	94	W	RAMP CTH	0		43.05414	-88.4117	B	0	1	2
KRL09CGFB3	WI STATE PATROL SER	1/30/2017	13	WAUKESHA	67	DELAFIELL	C	6772	94	W	RAMP STH	0.12	W	43.05297	-88.385	O	0	0	1
B6L16ZV8VT	DELAFIELD POLICE DEI	2/6/2017	13	WAUKESHA	67	DELAFIELL	C	6772	CTH C		EXETER ST	0		43.06342	-88.4041	O	0	0	1
3WL0LPPTK0	WAUKESHA COUNTY S	2/7/2017	6	WAUKESHA	67	SUMMIT	V	6778	94	E	WATERVIL	0.11	E	43.0555	-88.423	O	0	0	2
3WL0LNGSFJ	WAUKESHA COUNTY S	2/8/2017	16	WAUKESHA	67	DELAFIELL	C	6772	94	E	RAMP CTH	0.22	E	43.05357	-88.3946	O	0	0	1
B6L16ZV8VV	DELAFIELD POLICE DEI	2/13/2017	11	WAUKESHA	67	DELAFIELL	C	6772	83	N	GOLF RD	0		43.05428	-88.3716	O	0	0	1

Using CSV to Access Crash Reports/Pinpoint Crashes

After you have downloaded the CSV file and have a chance to parse through it, there might be a crash or a few that you want to know more about. A useful feature of the CSV file is that it allows you to access the crash report number which can be used to pinpoint crashes in Community Maps.

1) Highlight and copy the crash report #'s of the crashes that you want to pinpoint on the map. There is no limit as to how many you would like to pinpoint.

	A	B	C	D	E	F	G	H
1	DOCTNMBR	AGENCY	ACCDDATI	ACCDHOU	COUNTY	CNTYCODI	MUNICIPA	MUNITYPE
2	04L0RZQKRS	GREEN BA	1/1/2018	15	BROWN	5	GREEN BA	C
3	3LL0DM0C4G	KEWAUNE	1/1/2018	5	KEWAUNE	31	MONTPEL	T
4	0GL0T97RG8	BROWN C	1/1/2018	10	BROWN	5	EATON	T
5	7SL0JP713Q	PULASKI P	1/1/2018	4	BROWN	5	PULASKI	V
6	4QL00LHJNK	DOOR COI	1/1/2018	18	DOOR	15	BRUSSELS	T
7	7RL05QT5NV	HOBART/I	1/1/2018	19	BROWN	5	HOBART	V
8	0GL0FRKDFG	BROWN C	1/1/2018	15	BROWN	5	HOWARD	V
9	4RL09DPGH7	STURGEOI	1/1/2018	9	DOOR	15	STURGEOI	C
10	4QL00RFP4H	DOOR COI	1/1/2018	17	DOOR	15	LIBERTY GI	T

2) Paste the crash report numbers in the "Document Number" section under the "Search Input" bar on the left-hand side of the screen. Note that using any of the filters under "Search Input" such as crash flags or crash severity will not affect pinpointing these crashes.

Crash Severity ?

Clear Selected

☑ (K) Fatality
☐ (A) Suspected Serious Injury
☐ (B) Suspected Minor Injury
☐ (C) Possible Injury
☐ (O) No Apparent Injury

Crash Flags ?

☐ Alcohol Flag   ☐ Pedestrian Flag
☐ Bike Flag   ☐ Seat Belt Flag
☐ CMV Flag   ☐ Speed Flag
☐ Distracted Flag   ☐ Teen Driver Flag
☐ Drug Flag   ☐ Work Zone Flag
☐ Motorcycle Flag

Combine crash flags using: ○ AND ● OR

Deer Flag ?

[INCLUDE DEER CRASHES ▾]

Document Number ?

Clear Text

0GL0T97RG8
7SL0JP713Q
4QL00LHJNK
7RL05QT5NV

[Search]   [Reset]

3) After searching, the crashes will display on the map. If you are interested in seeing the full crash report associated with the crash, then click its point on the map and you will have the ability to download it.

CSV Legend:

Attribute	Meaning
DOCTNMBR	Crash report #
AGENCY	Agency that reported the crash
ACCDDATE	Crash Date
ACCDHOUR	Hour in which crash occurred (Military Time)
COUNTY	County that crash occurred in
CNTYCODE	DMV code assigned to counties, sorted alphabetically (ex. Adams is 01, Ashland is 02, etc.)
MUNICIPALITY	City/Town/Village that crash occurred in
MUNICODE	DMV code assigned to Municipalities, sorted by county and type of municipality
ONRDWY	Roadway that crash occurred on
ONRDWYDIR	Primary direction of travel on the roadway where the crash occurred
ATRDWY	Intersecting Roadway nearest to where crash occurred
INTDIS	Distance from crash to nearest intersecting roadway (If field says "0" then crash occurred at intersection)
INTDIR	Cardinal direction in which nearest intersecting roadway faces (If field is blank then crash occurred at intersection)
LATITUDE	Latitude coordinate in which crash occurred
LONGITUDE	Longitude coordinate in which crash occurred
INJSVR	Severity of injuries resulting from the crash K = Killed A = Major Injury B = Minor Injury C = Possible Injury O = Property Damage Only
TOTFATL	Total # of fatalities resulting from the crash
TOTINJ	Total # of injuries resulting from the crash
TOTVEH	Total # of vehicles involved in the crash
MNRCOLL	Manner of collision 1 = Vehicle involved in crash did not collide with vehicle in transit 2 = Rear end 3 = Head on 4 = Rear to rear 5 = Angle 6 = Same direction sideswipe 7 = Opposite direction sideswipe 8 = Unknown
ACCDTYPE	Type of crash 1 = Motor vehicle in transit 2 = Parked motor vehicle 3 = Deer 4 = Pedalcycle (Bike) 5 = Pedestrian 6 = Train 7 = Animal (besides deer)

	8 = **Vehicle in transit on other roadway (ex. Parking lot)** 9 = Object – not fixed 10 = Traffic sign post 11 = Traffic signal (stop light) 12 = Utility (Telephone) pole 13 = Light pole (streetlight) 14 = Other pole 15 = Tree 16 = Mailbox 17 = Guardrail face 18 = Guardrail end 19 = Median barrier *20* = Bridge parapet end 21 = Bridge/Pier/Abutment 22 = Impact attenuator (crash cushion) 23 = Overhead signpost 24 = Bridge railing 25 = Culvert 26 = Ditch 27 = Curb 28 = Embankment 29 = Fence 30 = Other object – fixed 31 = Unknown 32 = Overturned vehicle 33 = Fire/explosion 34 = Immersion (in water) 35 = Jackknife 36 = Other, non-collision
ALCFLAG	Suspected alcohol use
BIKEFLAG	Bicycle crash flag
CMVFLAG	Commercial motor vehicle crash flag
CONSZONE	Work zone related crash flag
DEERFLAG	Deer crash flag
DISTRCTD	Distracted driver flag
DRUGFLAG	Suspected drug use
IMPAIRED	Impaired driver flag
MCYCFLAG	Motorcycle crash flag
PEDFLAG	Pedestrian crash flag
OCCPPROT	Failure to use vehicle occupant protection
SPEEDFLAG	Speeding related crash
TEENDRVR	Teen driver flag

See the Crash Flag Definitions document for additional information regarding the Community Maps crash flags.