COUNTY-WIDE CRASH DATA ANALYSIS SYSTEM

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Geoplan Center – University of Florida

Purpose

- To support the County needs for improvement of traffic safety in the county roadways

Requirements

- Provide access to crash records
- Analyze all crashes in the County roads
- Identify predominant crash types and high crash locations

- Widely accessible
- Easy to use
- Updated frequently

System Features

- Crash Data Import
- Crash Mapping
- Crash Analysis
- Statistical Reports
- System Administration

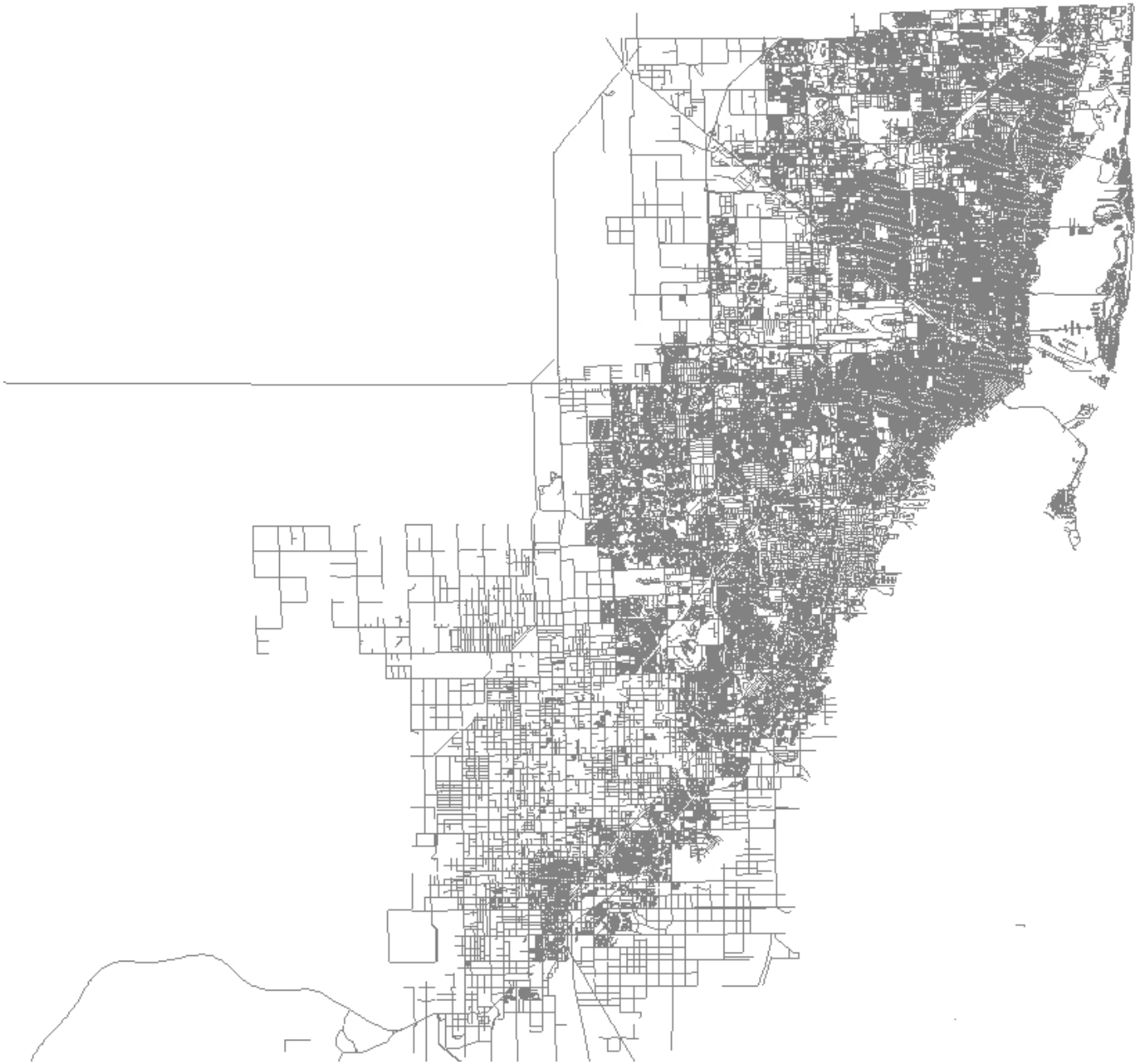
Crash Data Import

- Data Source: Freely available from Florida HSMV
- 50,000 – 60,000 long form crashes per year
- Data includes digital records and scanned images of police crash reports

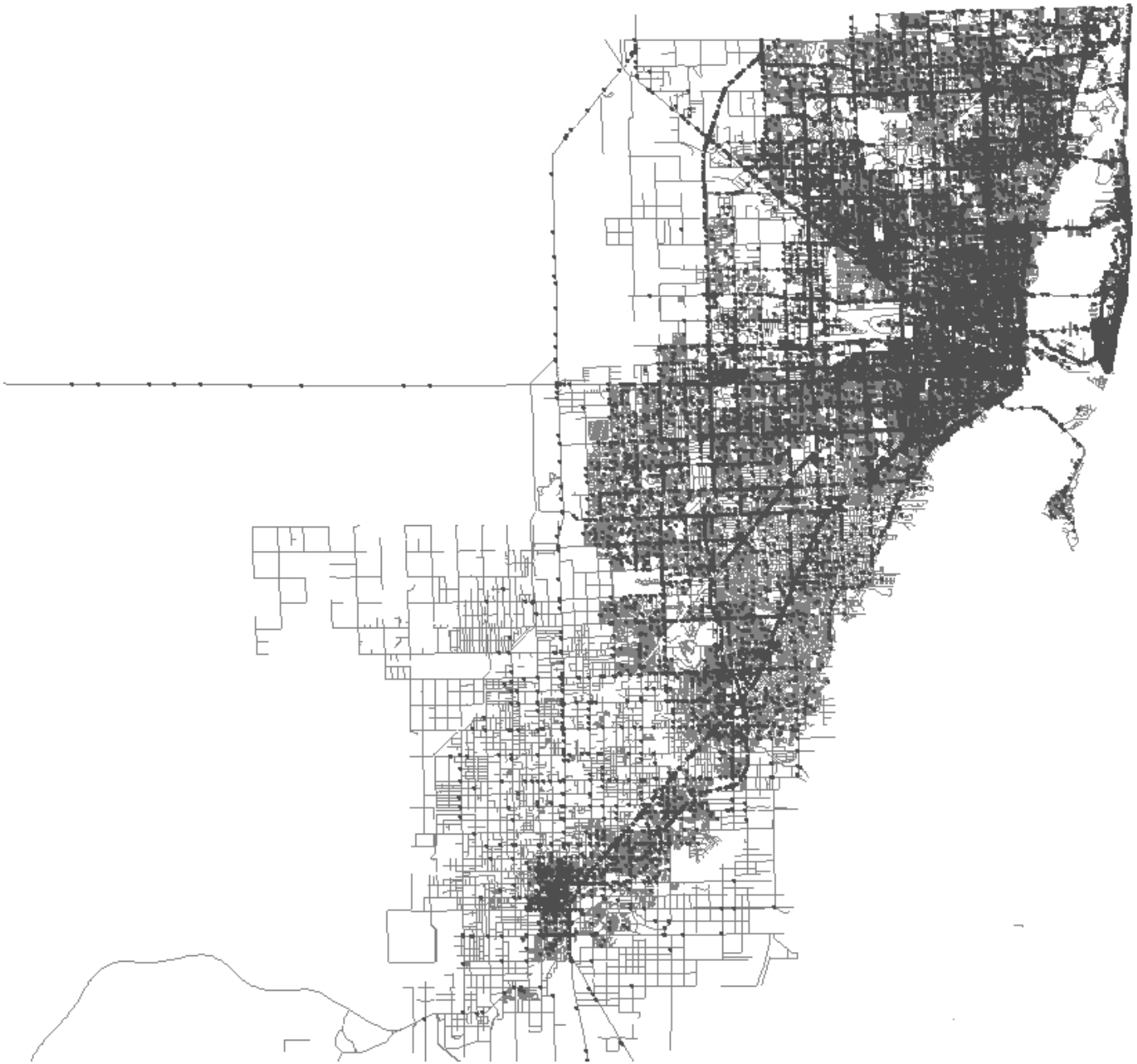
Crash Mapping

- Uses Geographic Information Systems (GIS) to map crashes
- Parking lot or private property locations are excluded
- 93 - 95% match rate
- Uses Miami-Dade GIS road network

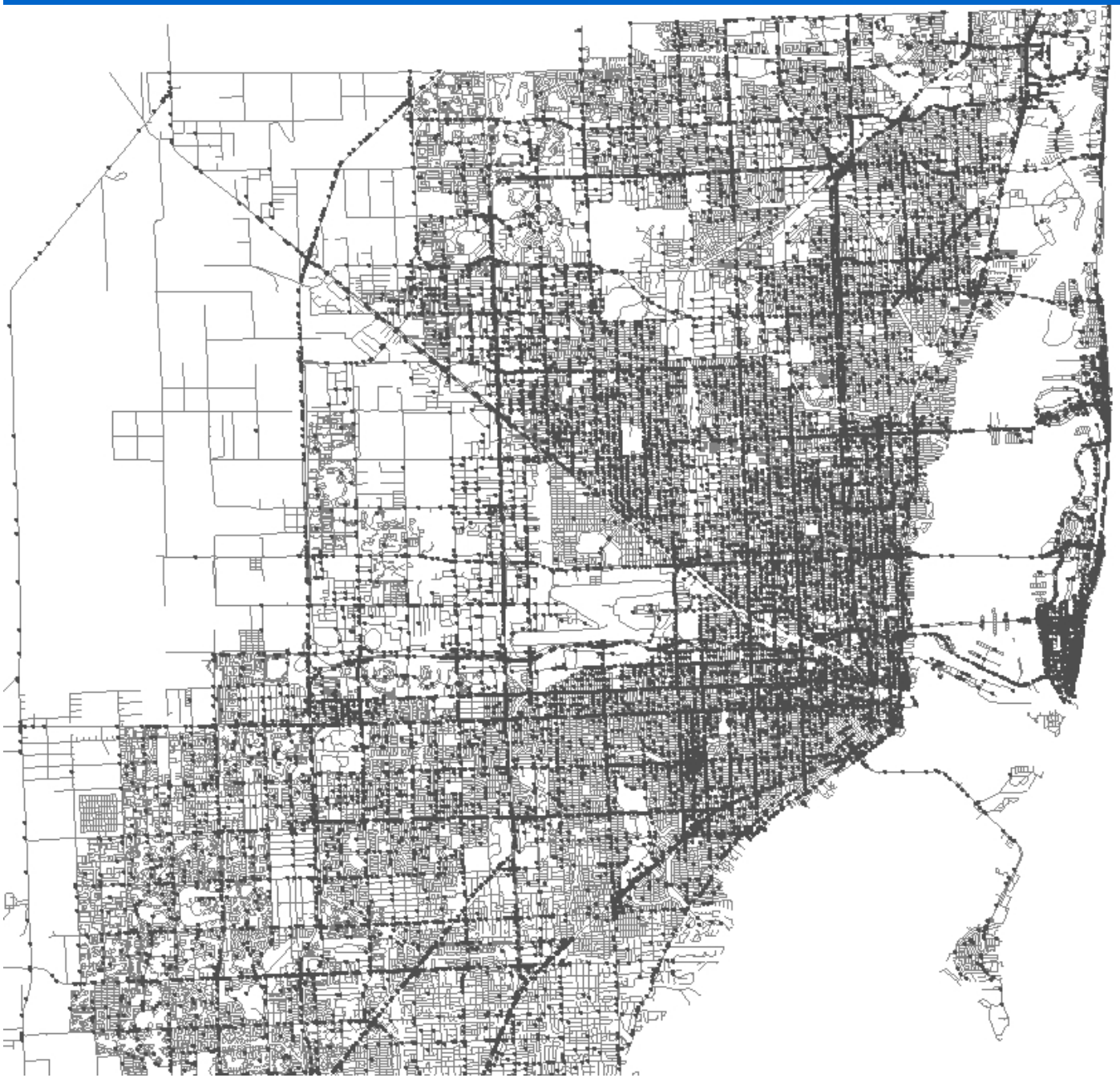
Miami – Dade Roads



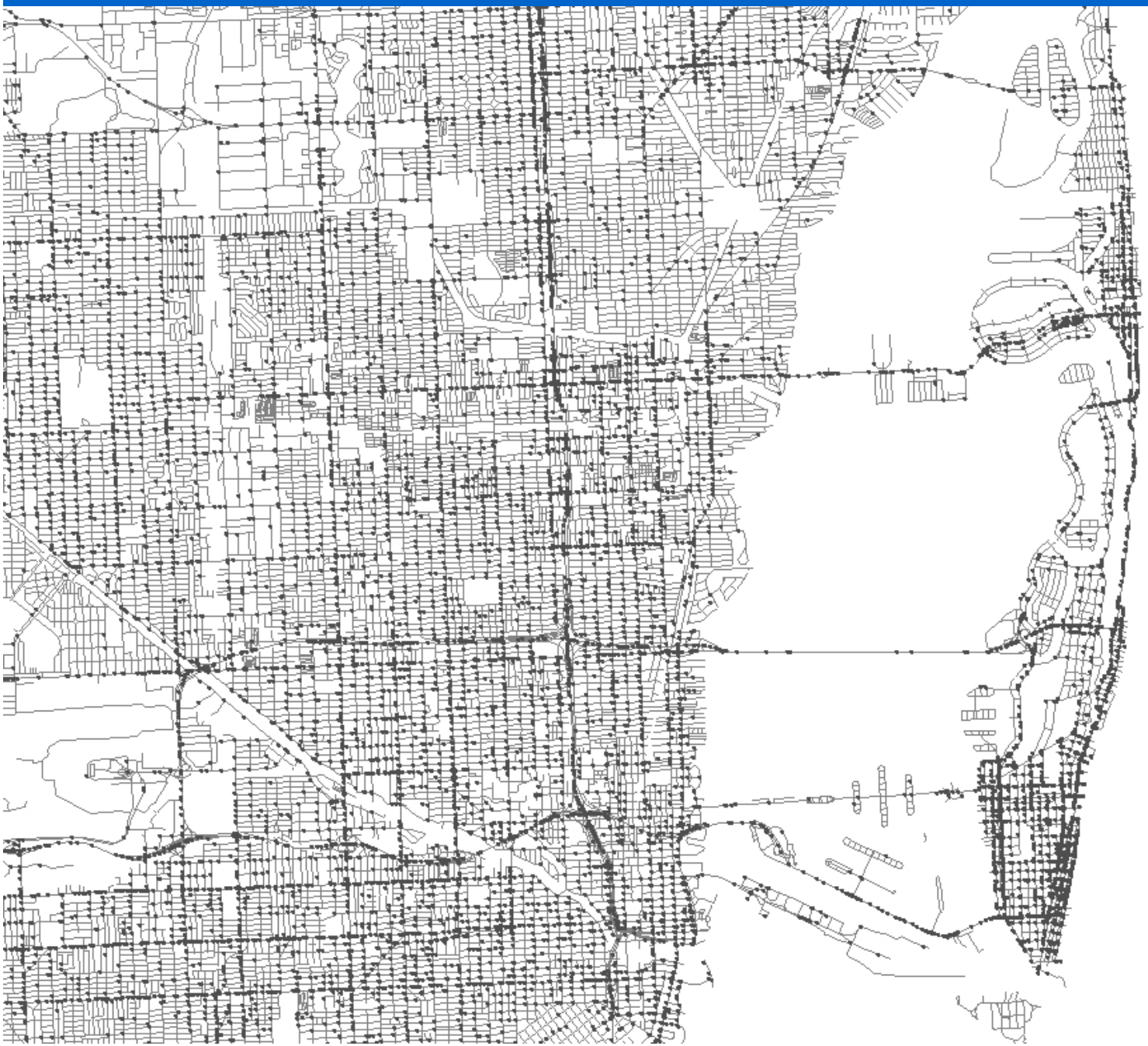
Miami – Dade 2007 Crashes



Miami – Dade 2007 Crashes - Close Up 1



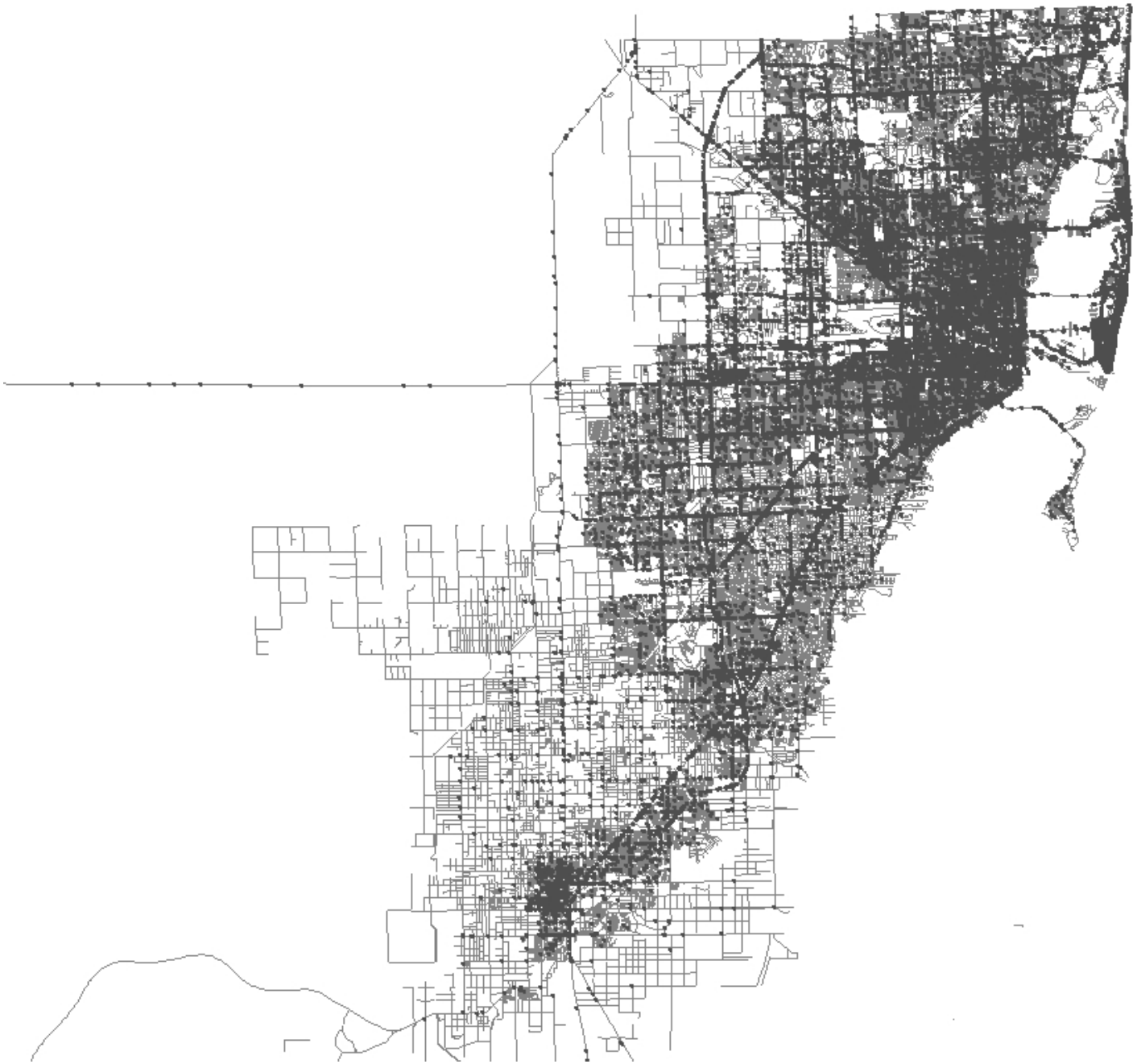
Miami – Dade 2007 Crashes - Close Up 2



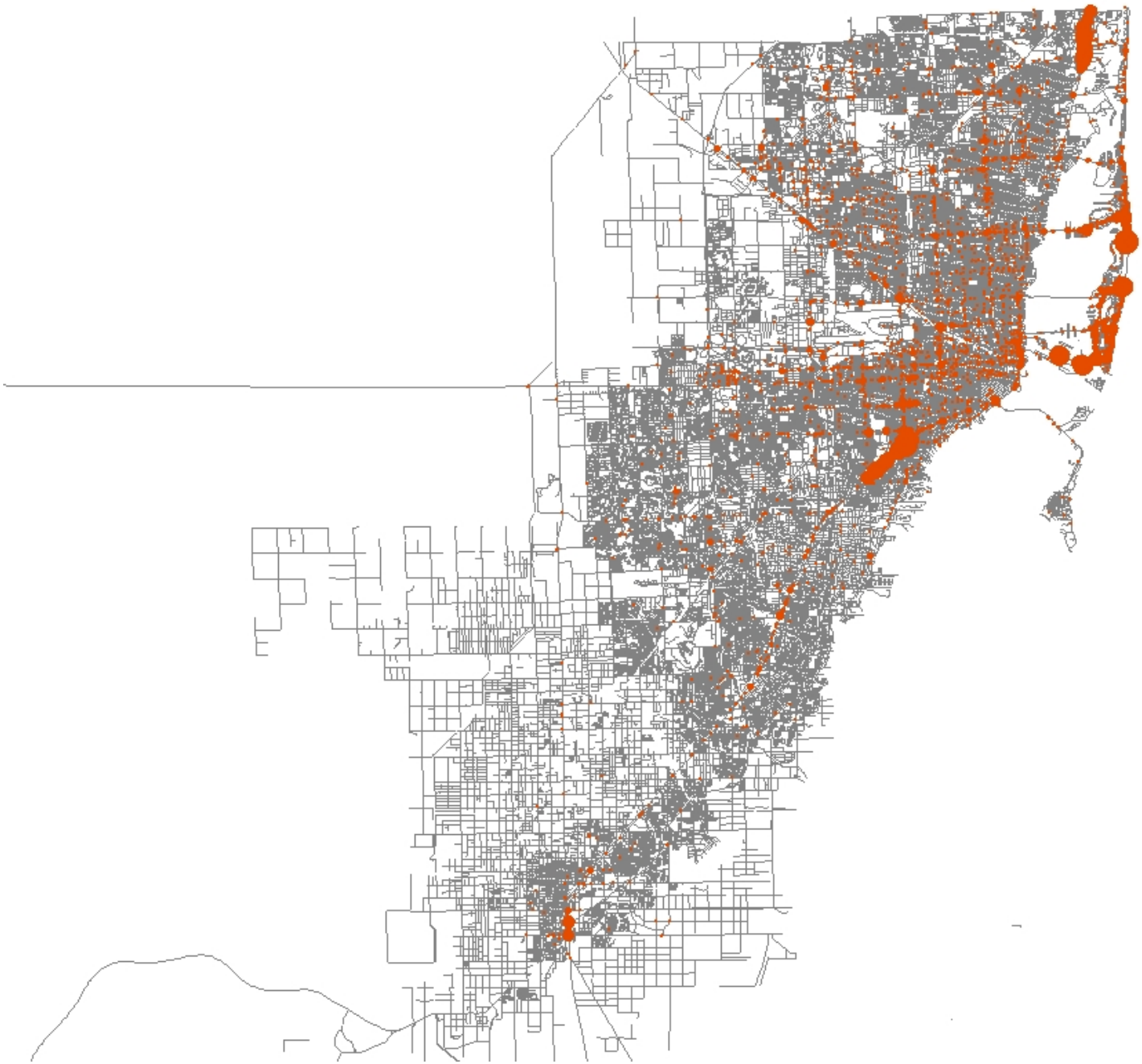
Crash Analysis

- Used to determine problematic areas
- Summarizes crashes by intersections and streets
- Query specific crash types e.g. bicycle or pedestrian crashes
- Intersection analysis by crash type such as rear-end, left turn, side swipe etc.

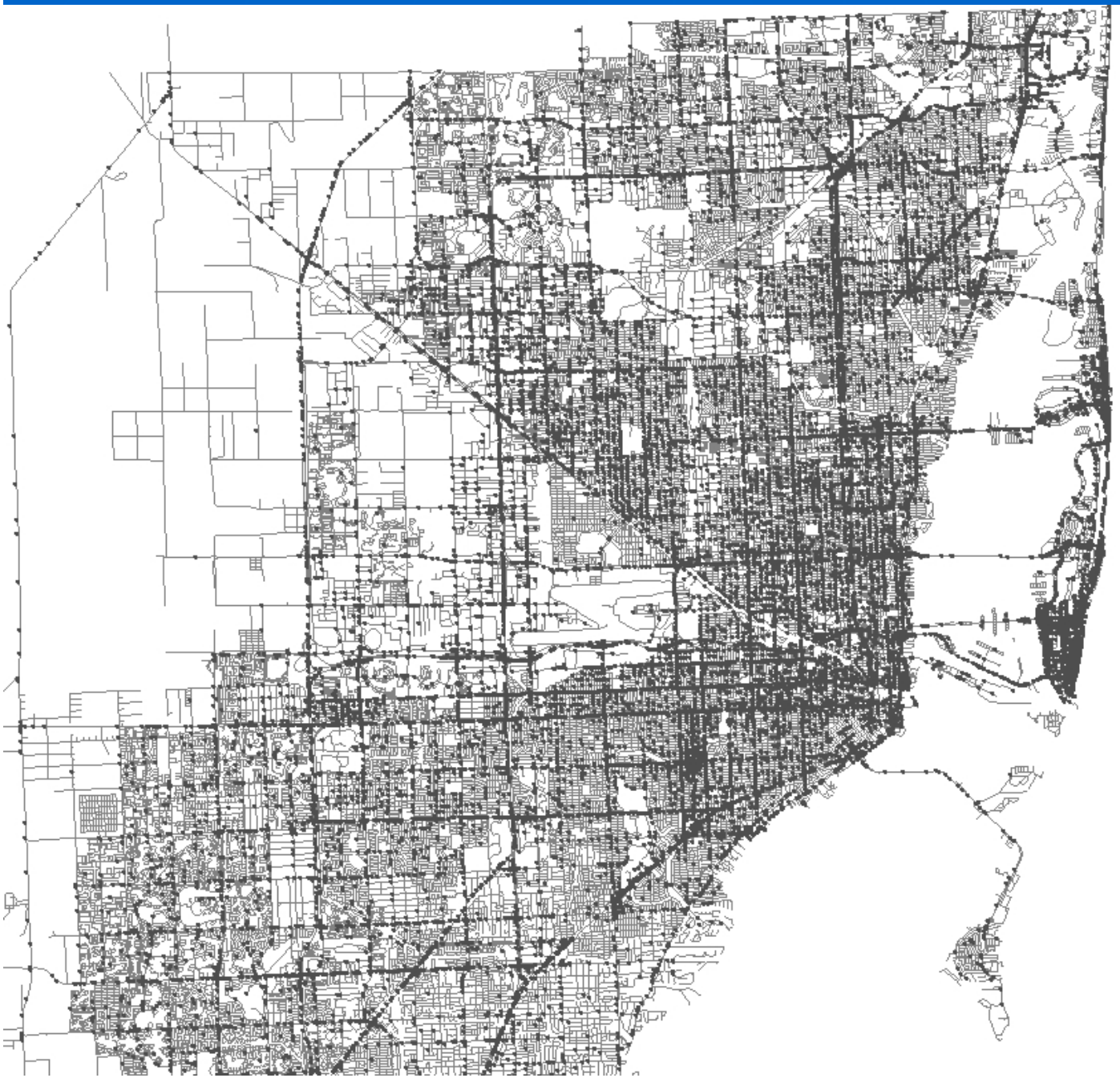
Miami – Dade 2007 Crashes



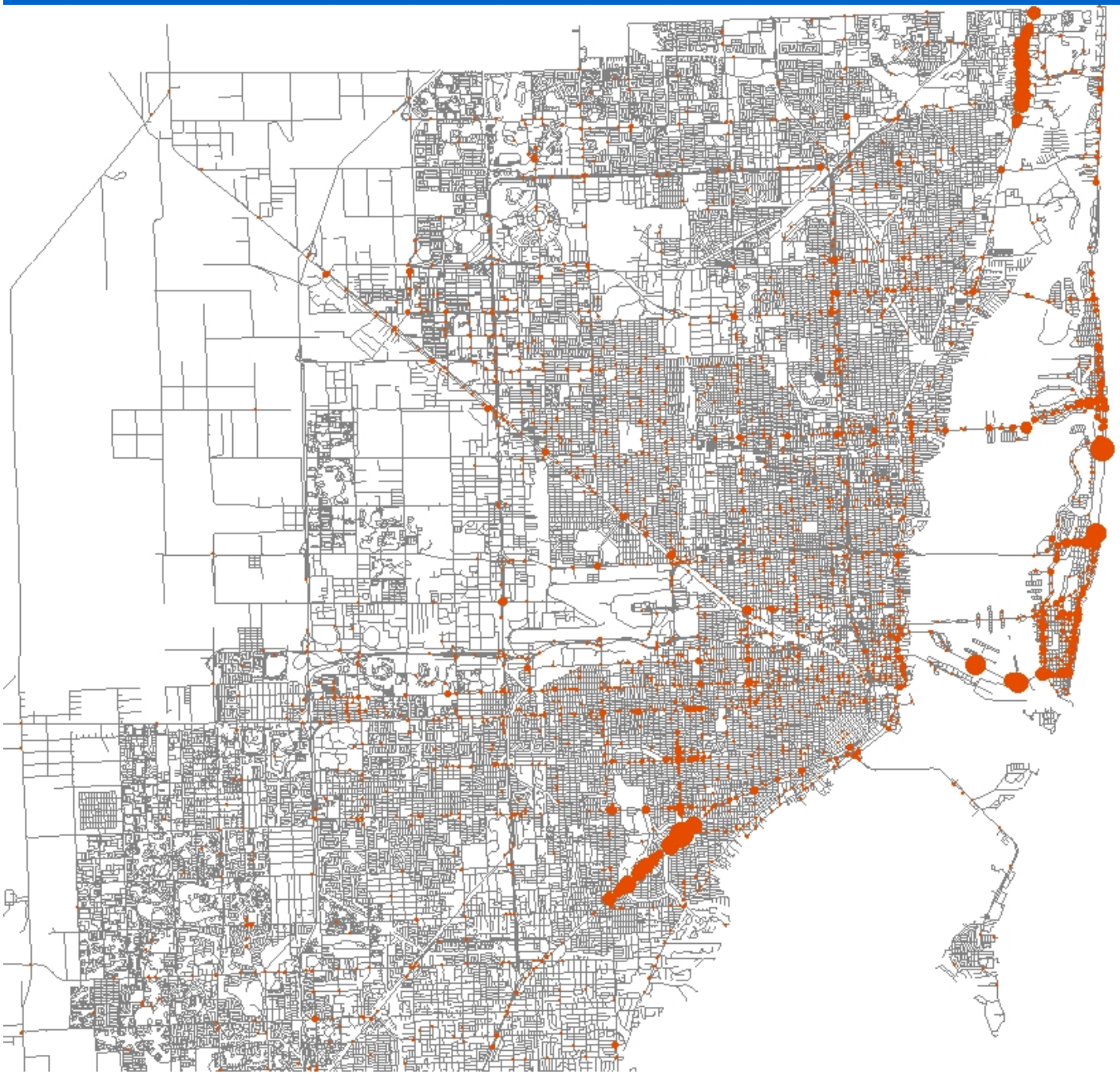
Miami – Dade 2007 Crashes Summarized By Intersection



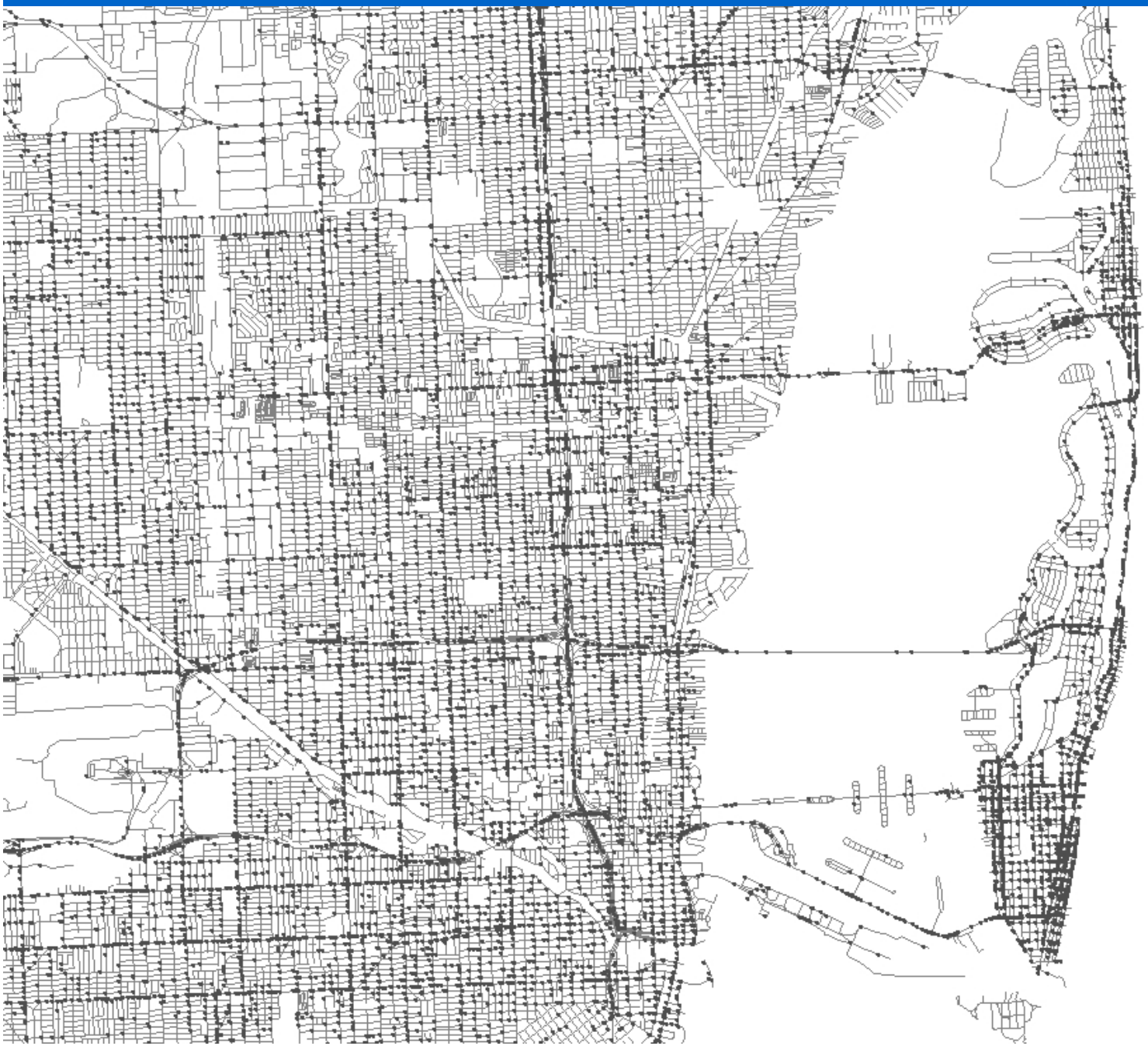
Miami – Dade 2007 Crashes - Close Up 1



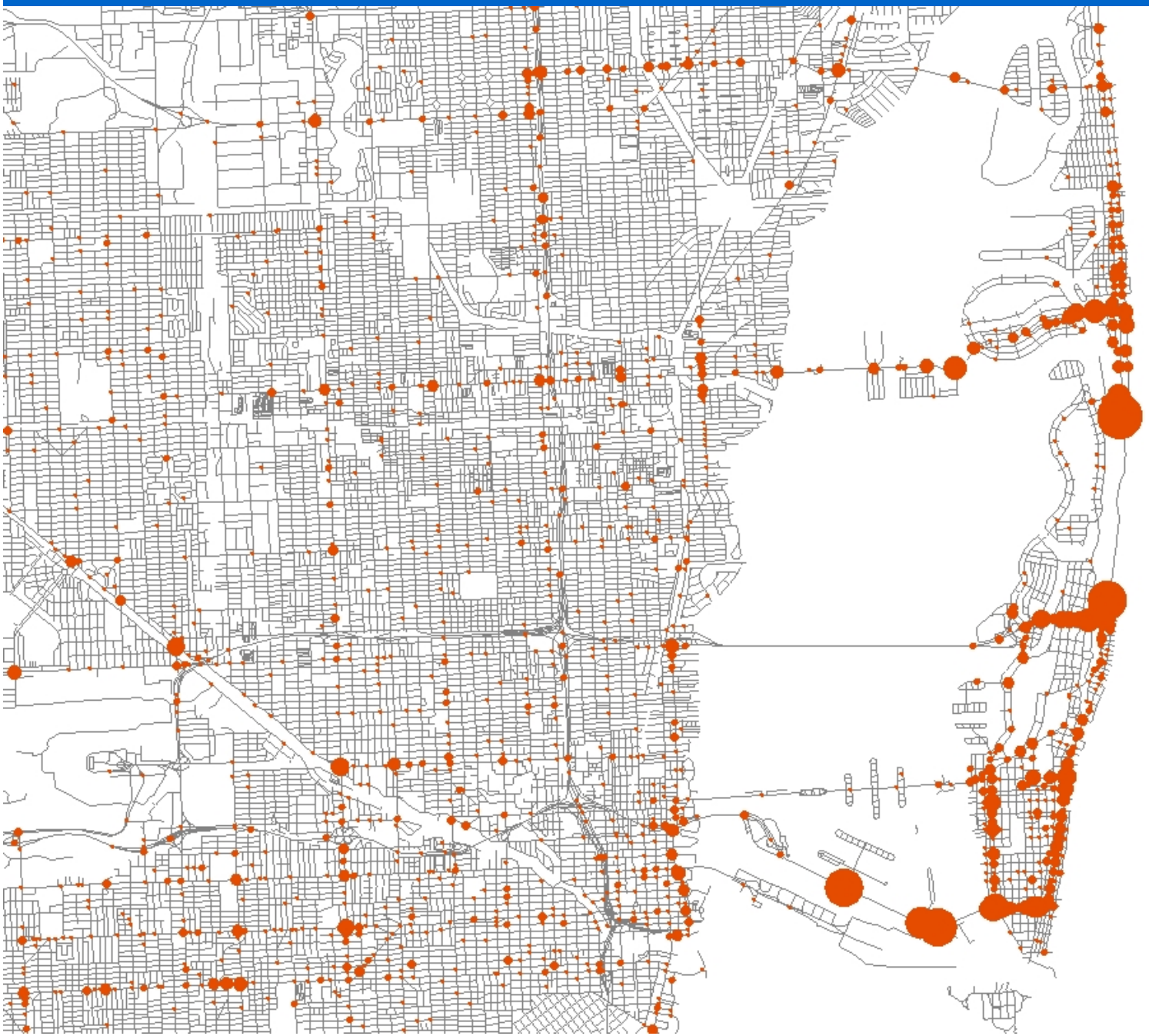
Miami – Dade 2007 Crashes Summarized by Intersection - Close Up 1



Miami – Dade 2007 Crashes - Close Up 2

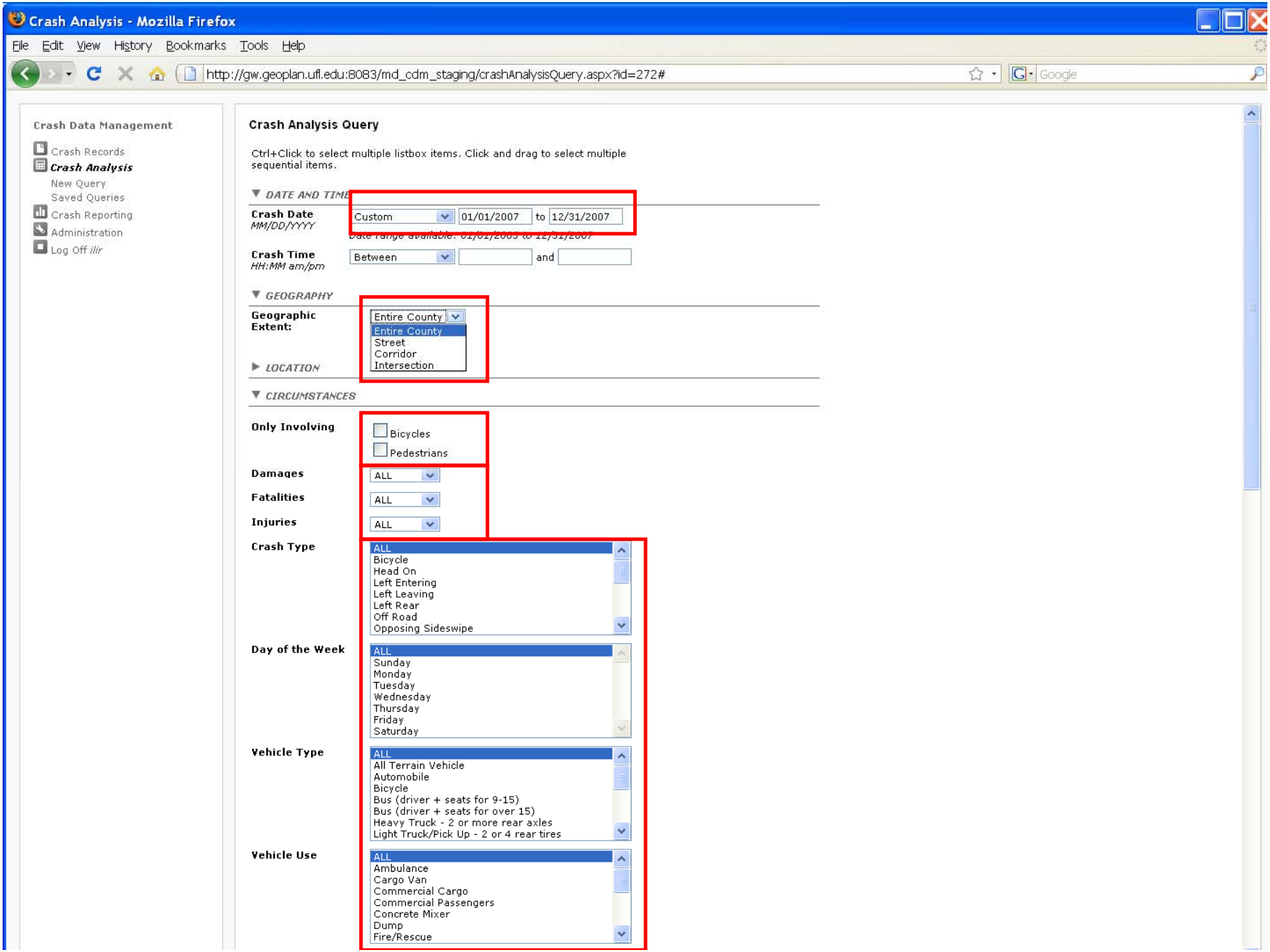


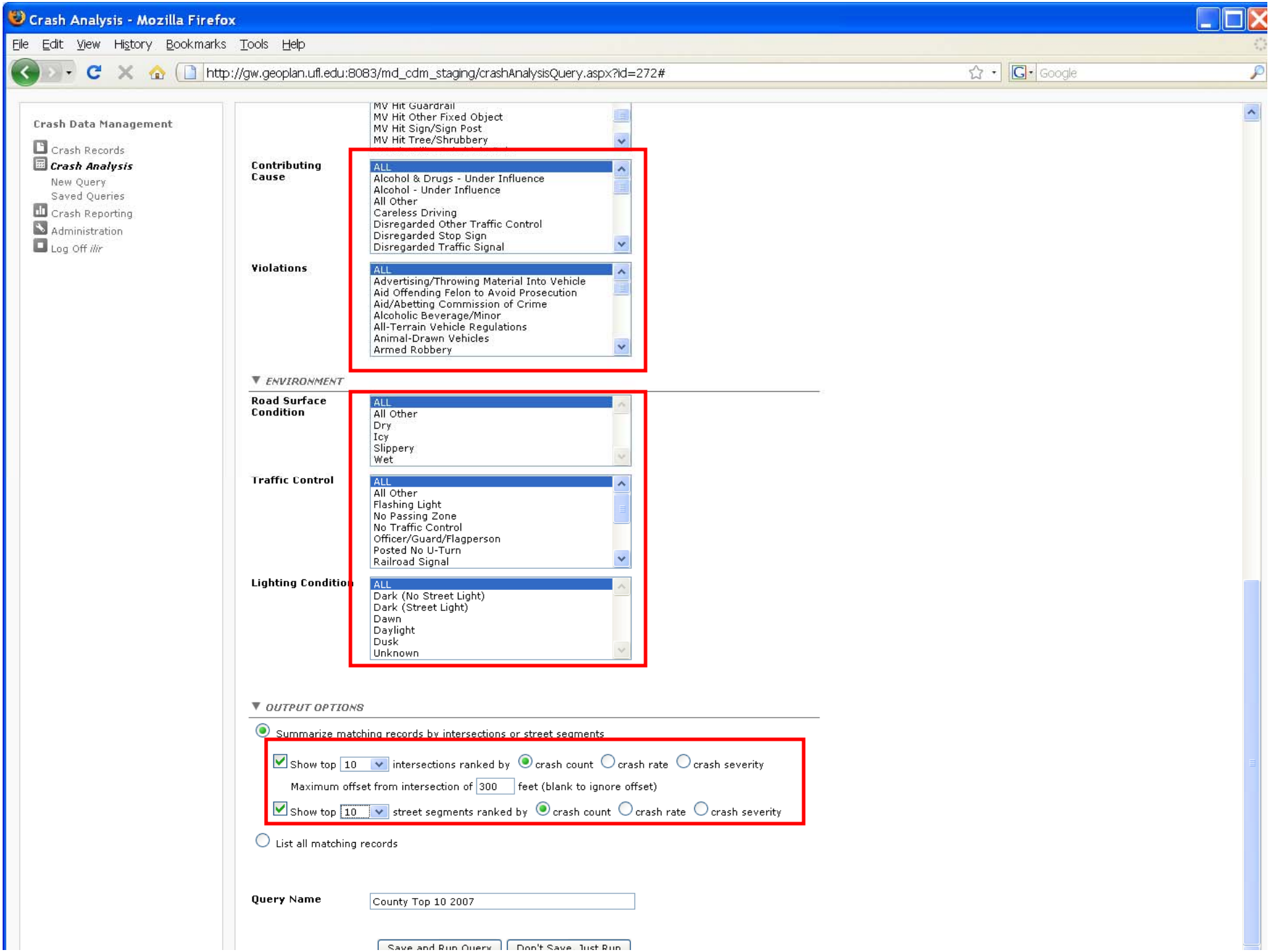
Miami – Dade 2007 Crashes Summarize by Intersection - Close Up 2



Crash Analysis Options

- Data Range
- Geography (City, Street, Intersection)
- Injury Severity
- Damages
- Harmful events
- Contributing Causes
- Lighting Condition
- Traffic Control


Crash Analysis - Mozilla Firefox
File Edit View History Bookmarks Tools Help
http://gw.geoplan.ufl.edu:8083/md_cdm_staging/crashAnalysisQuery.aspx?id=272#
Google
Crash Data Management
Crash Records
Crash Analysis
New Query
Saved Queries
Crash Reporting
Administration
Log Off ilir
Crash Analysis Query
Ctrl+Click to select multiple listbox items. Click and drag to select multiple sequential items.
DATE AND TIME
Crash Date
MM/DD/YYYY
Custom
01/01/2007
to
12/31/2007
Crash Time
HH:MM am/pm
Between
and
GEOGRAPHY
Geographic Extent:
Entire County
Entire County
Street
Corridor
Intersection
LOCATION
CIRCUMSTANCES
Only Involving
Bicycles
Pedestrians
Damages
ALL
Fatalities
ALL
Injuries
ALL
Crash Type
ALL
Bicycle
Head On
Left Entering
Left Leaving
Left Rear
Off Road
Opposing Sideswipe
Day of the Week
ALL
Sunday
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Vehicle Type
ALL
All Terrain Vehicle
Automobile
Bicycle
Bus (driver + seats for 9-15)
Bus (driver + seats for over 15)
Heavy Truck - 2 or more rear axles
Light Truck/Pick Up - 2 or 4 rear tires
Vehicle Use
ALL
Ambulance
Cargo Van
Commercial Cargo
Commercial Passengers
Concrete Mixer
Dump
Fire/Rescue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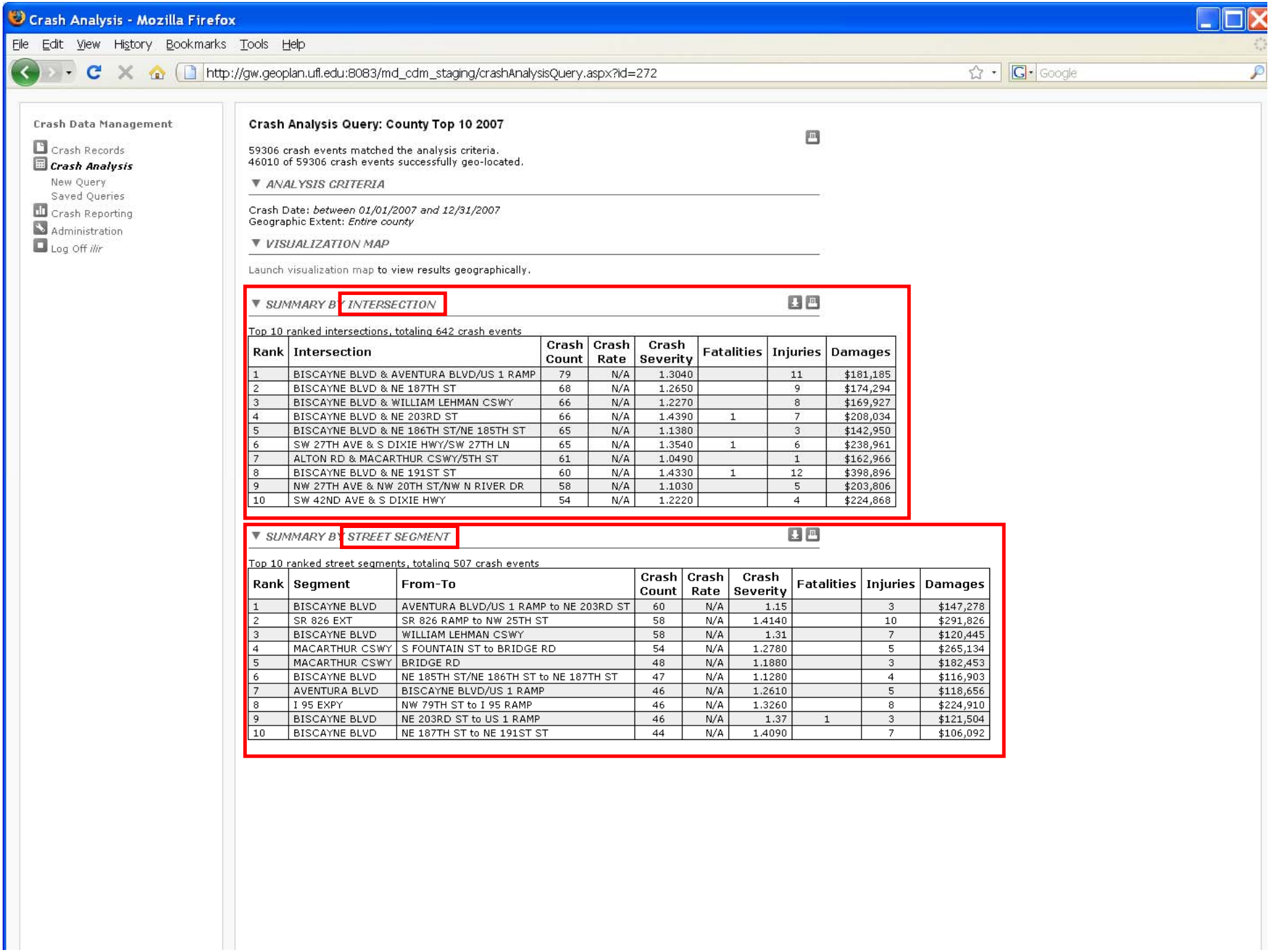
Administration
Log Off ilir
MV Hit Guardrail
MV Hit Other Fixed Object
MV Hit Sign/Sign Post
MV Hit Tree/Shrubbery
Contributing Cause
ALL
Alcohol & Drugs - Under Influence
Alcohol - Under Influence
All Other
Careless Driving
Disregarded Other Traffic Control
Disregarded Stop Sign
Disregarded Traffic Signal
Violations
ALL
Advertising/Throwing Material Into Vehicle
Aid Offending Felon to Avoid Prosecution
Aid/Abetting Commission of Crime
Alcoholic Beverage/Minor
All-Terrain Vehicle Regulations
Animal-Drawn Vehicles
Armed Robbery
ENVIRONMENT
Road Surface Condition
ALL
All Other
Dry
Icy
Slippery
Wet
Traffic Control
ALL
All Other
Flashing Light
No Passing Zone
No Traffic Control
Officer/Guard/Flagperson
Posted No U-Turn
Railroad Signal
Lighting Condition
ALL
Dark (No Street Light)
Dark (Street Light)
Dawn
Daylight
Dusk
Unknown
OUTPUT OPTIONS
Summarize matching records by intersections or street segments
Show top 10 intersections ranked by crash count crash rate crash severity
Maximum offset from intersection of 300 feet (blank to ignore offset)
Show top 10 street segments ranked by crash count crash rate crash severity
List all matching records
Query Name
County Top 10 2007
Save and Run Query
Don't Save, Just Run



Crash Analysis Query: County Top 10 2007

59306 crash events matched the analysis criteria.
46010 of 59306 crash events successfully geo-located.

▼ ANALYSIS CRITERIA

Crash Date: *between 01/01/2007 and 12/31/2007*
Geographic Extent: *Entire county*

▼ VISUALIZATION MAP

Launch visualization map to view results geographically.

▼ SUMMARY BY INTERSECTION

Top 10 ranked intersections, totaling 642 crash events

Rank	Intersection	Crash Count	Crash Rate	Crash Severity	Fatalities	Injuries	Damages
1	BISCAYNE BLVD & AVENTURA BLVD/US 1 RAMP	79	N/A	1.3040		11	$181,185
2	BISCAYNE BLVD & NE 187TH ST	68	N/A	1.2650		9	$174,294
3	BISCAYNE BLVD & WILLIAM LEHMAN CSWY	66	N/A	1.2270		8	$169,927
4	BISCAYNE BLVD & NE 203RD ST	66	N/A	1.4390	1	7	$208,034
5	BISCAYNE BLVD & NE 186TH ST/NE 185TH ST	65	N/A	1.1380		3	$142,950
6	SW 27TH AVE & S DIXIE HWY/SW 27TH LN	65	N/A	1.3540	1	6	$238,961
7	ALTON RD & MACARTHUR CSWY/5TH ST	61	N/A	1.0490		1	$162,966
8	BISCAYNE BLVD & NE 191ST ST	60	N/A	1.4330	1	12	$398,896
9	NW 27TH AVE & NW 20TH ST/NW N RIVER DR	58	N/A	1.1030		5	$203,806
10	SW 42ND AVE & S DIXIE HWY	54	N/A	1.2220		4	$224,868

▼ SUMMARY BY STREET SEGMENT

Top 10 ranked street segments, totaling 507 crash events

Rank	Segment	From-To	Crash Count	Crash Rate	Crash Severity	Fatalities	Injuries	Damages
1	BISCAYNE BLVD	AVENTURA BLVD/US 1 RAMP to NE 203RD ST	60	N/A	1.15		3	$147,278
2	SR 826 EXT	SR 826 RAMP to NW 25TH ST	58	N/A	1.4140		10	$291,826
3	BISCAYNE BLVD	WILLIAM LEHMAN CSWY	58	N/A	1.31		7	$120,445
4	MACARTHUR CSWY	S FOUNTAIN ST to BRIDGE RD	54	N/A	1.2780		5	$265,134
5	MACARTHUR CSWY	BRIDGE RD	48	N/A	1.1880		3	$182,453
6	BISCAYNE BLVD	NE 185TH ST/NE 186TH ST to NE 187TH ST	47	N/A	1.1280		4	$116,903
7	AVENTURA BLVD	BISCAYNE BLVD/US 1 RAMP	46	N/A	1.2610		5	$118,656
8	I 95 EXPY	NW 79TH ST to I 95 RAMP	46	N/A	1.3260		8	$224,910
9	BISCAYNE BLVD	NE 203RD ST to US 1 RAMP	46	N/A	1.37	1	3	$121,504
10	BISCAYNE BLVD	NE 187TH ST to NE 191ST ST	44	N/A	1.4090		7	$106,092

County_top10_2007.pdf - Adobe Acrobat Professional
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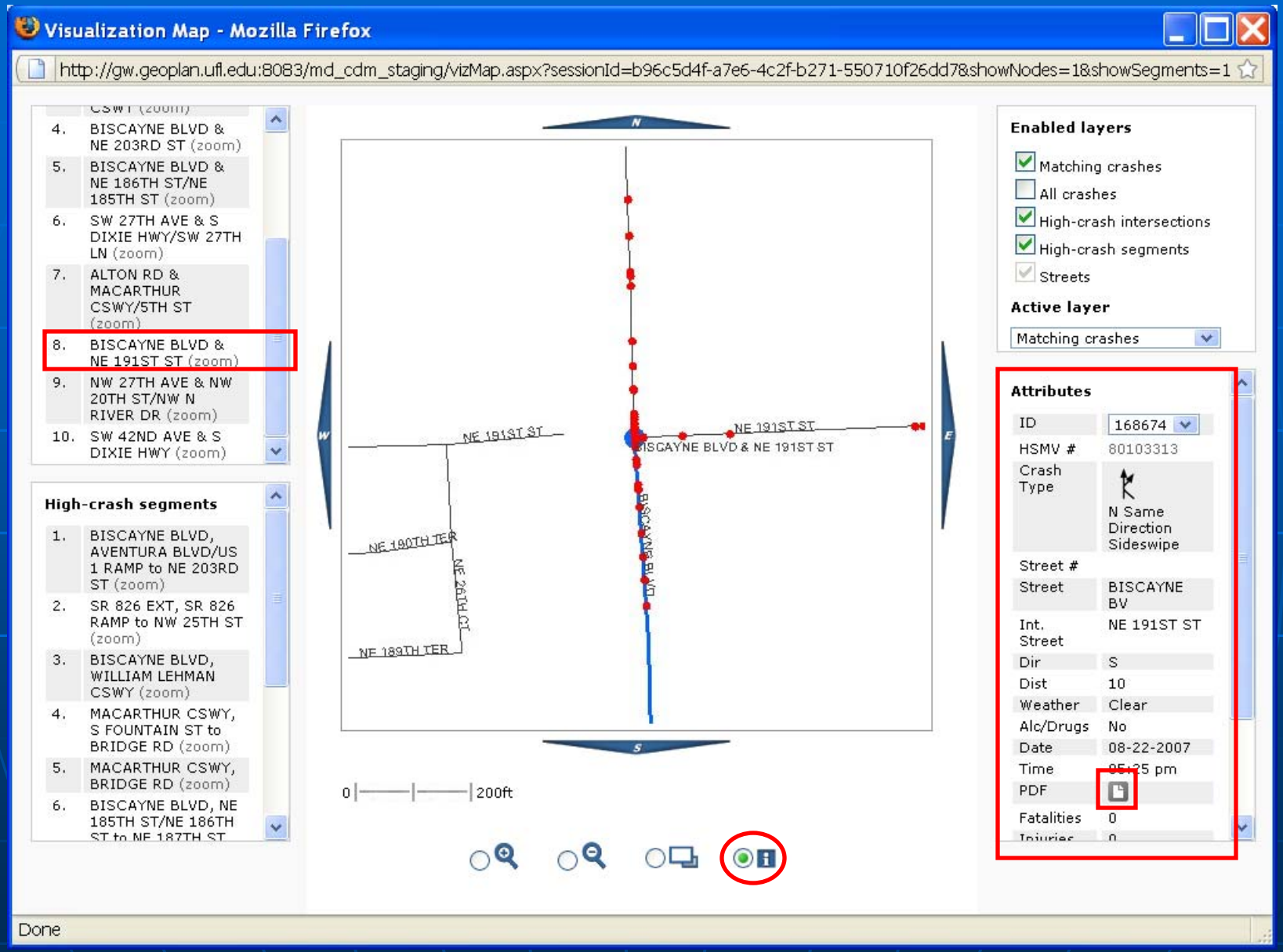
Visualization Map - Mozilla Firefox
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4. BISCAYNE BLVD & NE 203RD ST (zoom)
5. BISCAYNE BLVD & NE 186TH ST/NE 185TH ST (zoom)
6. SW 27TH AVE & S DIXIE HWY/SW 27TH LN (zoom)
7. ALTON RD & MACARTHUR CSWY/5TH ST (zoom)
8. BISCAYNE BLVD & NE 191ST ST (zoom)
9. NW 27TH AVE & NW 20TH ST/NW N RIVER DR (zoom)
10. SW 42ND AVE & S DIXIE HWY (zoom)
High-crash segments
1. BISCAYNE BLVD, AVENTURA BLVD/US 1 RAMP to NE 203RD ST (zoom)
2. SR 826 EXT, SR 826 RAMP to NW 25TH ST (zoom)
3. BISCAYNE BLVD, WILLIAM LEHMAN CSWY (zoom)
4. MACARTHUR CSWY, S FOUNTAIN ST to BRIDGE RD (zoom)
5. MACARTHUR CSWY, BRIDGE RD (zoom)
6. BISCAYNE BLVD, NE 185TH ST/NE 186TH ST to NE 187TH ST
N
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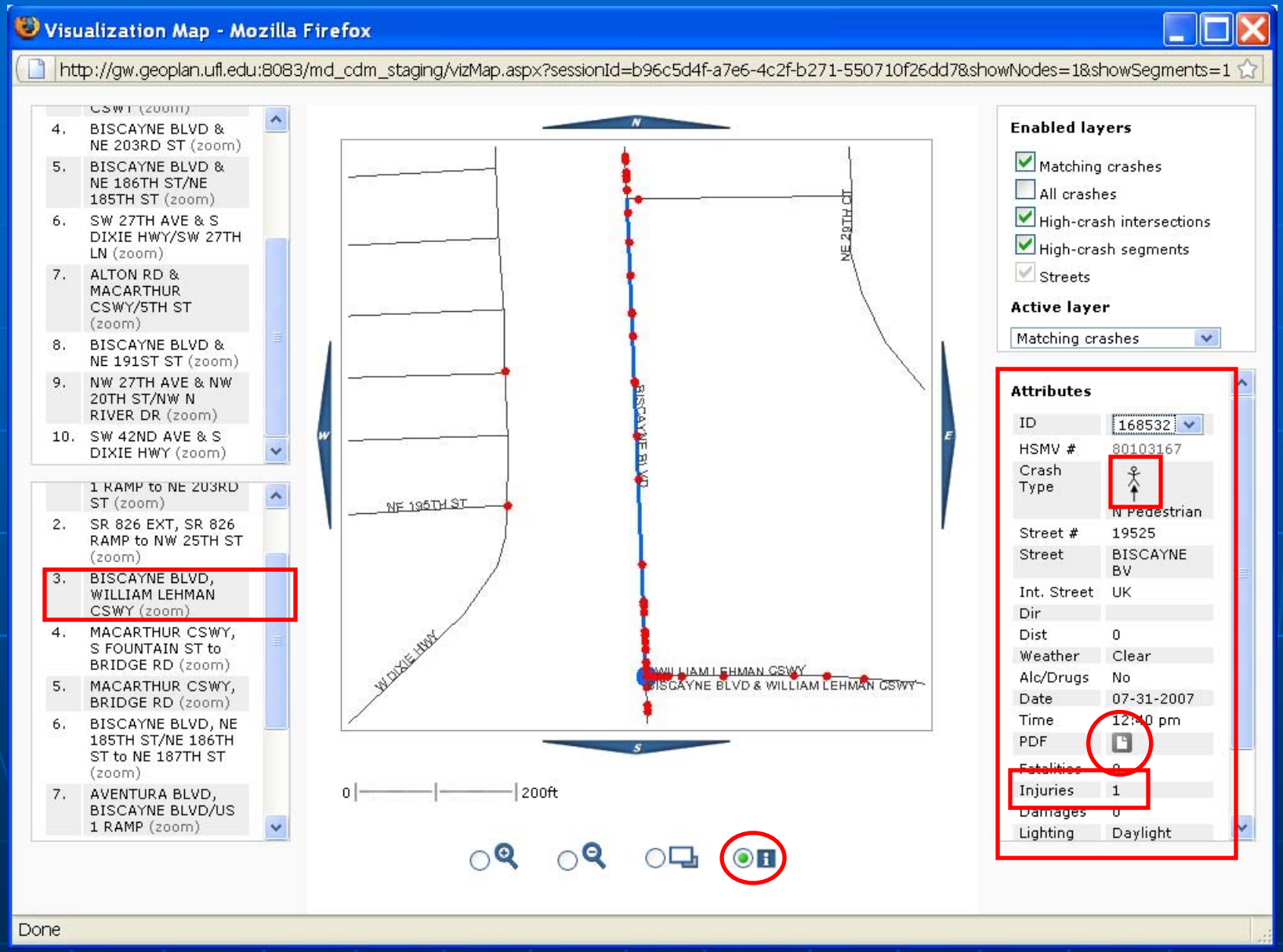
S
NE 191ST ST
NE 191ST ST
BISCAYNE BLVD & NE 191ST ST
NE 190TH TER
NE 26TH CT
NE 189TH TER
BISCAYNE BLVD
0
200ft
Enabled layers
Matching crashes
All crashes
High-crash intersections
High-crash segments
Streets
Active layer
Matching crashes
Attributes
ID 168674
HSMV # 80103313
Crash Type N Same Direction Sideswipe
Street #
Street BISCAYNE BV
Int. Street NE 191ST ST
Dir S
Dist 10
Weather Clear
Alc/Drugs No
Date 08-22-2007
Time 05:25 pm
PDF
Fatalities 0
Injuries 0
Done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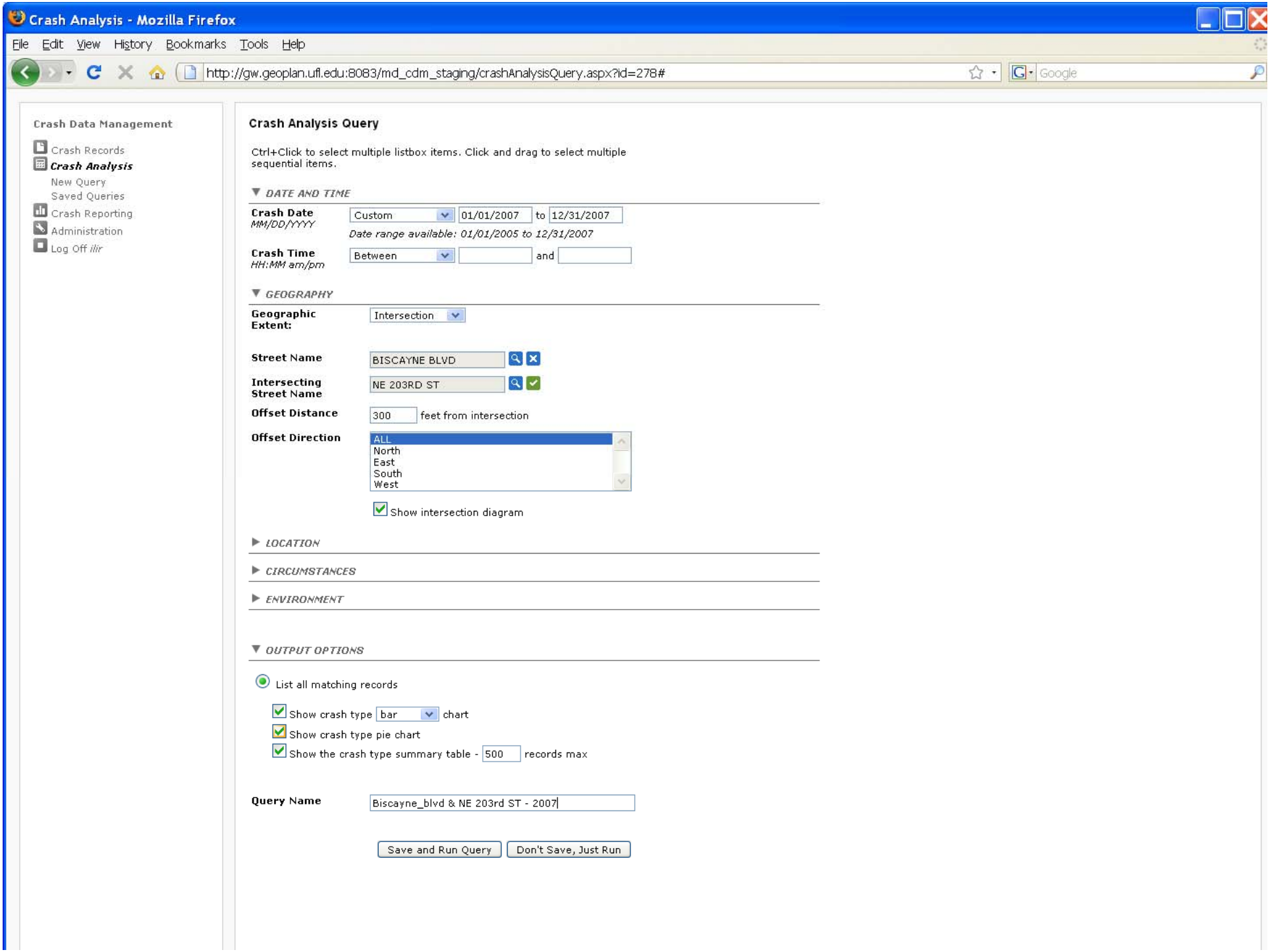
5. BISCAYNE BLVD & NE 186TH ST/NE 185TH ST (zoom)
6. SW 27TH AVE & S DIXIE HWY/SW 27TH LN (zoom)
7. ALTON RD & MACARTHUR CSWY/5TH ST (zoom)
8. BISCAYNE BLVD & NE 191ST ST (zoom)
9. NW 27TH AVE & NW 20TH ST/NW N RIVER DR (zoom)
10. SW 42ND AVE & S DIXIE HWY (zoom)
1 RAMP to NE 203RD ST (zoom)
2. SR 826 EXT, SR 826 RAMP to NW 25TH ST (zoom)
3. BISCAYNE BLVD, WILLIAM LEHMAN CSWY (zoom)
4. MACARTHUR CSWY, S FOUNTAIN ST to BRIDGE RD (zoom)
5. MACARTHUR CSWY, BRIDGE RD (zoom)
6. BISCAYNE BLVD, NE 185TH ST/NE 186TH ST to NE 187TH ST (zoom)
7. AVENTURA BLVD, BISCAYNE BLVD/US 1 RAMP (zoom)
N
S
W
E
NE 29TH CT
BISCAYNE BLVD
NE 195TH ST
W DIXIE HWY
WILLIAM LEHMAN CSWY
BISCAYNE BLVD & WILLIAM LEHMAN CSWY
0
200ft
Enabled layers
Matching crashes
All crashes
High-crash intersections
High-crash segments
Streets
Active layer
Matching crashes
Attributes
ID 168532
HSMV # 80103167
Crash Type N Pedestrian
Street # 19525
Street BISCAYNE BV
Int. Street UK
Dir
Dist 0
Weather Clear
Alc/Drugs No
Date 07-31-2007
Time 12:40 pm
PDF
Fatalities 0
Injuries 1
Damages 0
Lighting Daylight
Done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Crash Records
Crash Analysis
New Query
Saved Queries
Crash Reporting
Administration
Log Off ilir
Crash Analysis Query
Ctrl+Click to select multiple listbox items. Click and drag to select multiple sequential items.
DATE AND TIME
Crash Date
MM/DD/YYYY
Custom
01/01/2007
to
12/31/2007
Date range available: 01/01/2005 to 12/31/2007
Crash Time
HH:MM am/pm
Between
and
GEOGRAPHY
Geographic Extent:
Intersection
Street Name
BISCAYNE BLVD
Intersecting Street Name
NE 203RD ST
Offset Distance
300
feet from intersection
Offset Direction
ALL
North
East
South
West
Show intersection diagram
LOCATION
CIRCUMSTANCES
ENVIRONMENT
OUTPUT OPTIONS
List all matching records
Show crash type
bar
chart
Show crash type pie chart
Show the crash type summary table -
500
records max
Query Name
Biscayne_blvd & NE 203rd ST - 2007
Save and Run Query
Don't Save, Just Run

Crash Analysis - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://gw.geoplan.ufl.edu:8083/md_cdm_staging/crashAnalysisQuery.aspx?id=0

Google

Crash Data Management

- Crash Records
- **Crash Analysis**
  - New Query
  - Saved Queries
- Crash Reporting
- Administration
- Log Off *ilir*

Crash Analysis Query: Untitled

66 crash events matched the analysis criteria.
66 of 66 crash events successfully geo-located.

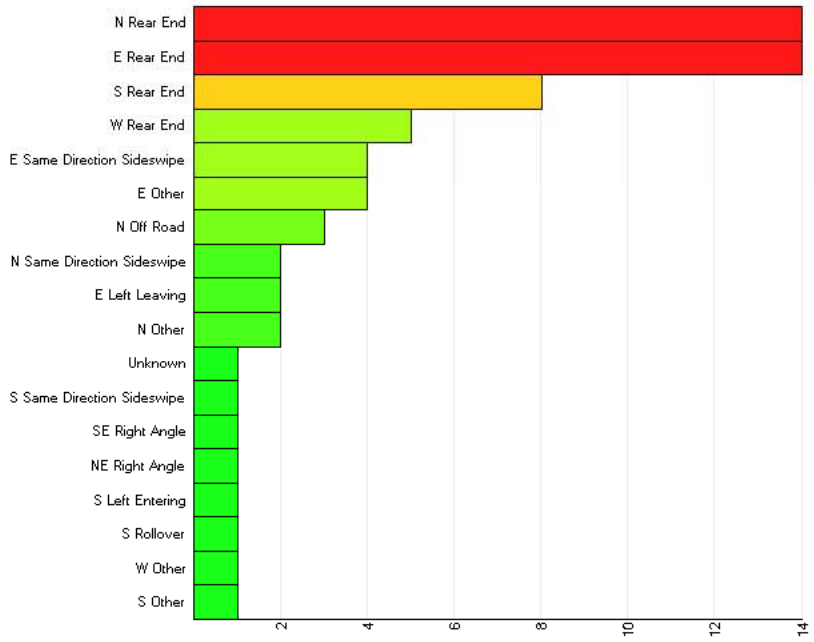
▼ ANALYSIS CRITERIA

Crash Date: *between 01/01/2007 and 12/31/2007*
Offset Distance: *300*
Geographic Extent: *Intersection of BISCAYNE BLVD and NE 203RD ST*

▼ VISUALIZATION MAP

Launch visualization map to view results geographically.

▼ CRASH TYPES BAR CHART



▶ CRASH TYPES PIE CHART

▼ INTERSECTION DIAGRAM

Crash Analysis - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://gw.geoplan.ufl.edu:8083/md_cdm_staging/crashAnalysisQuery.aspx?id=0

Google

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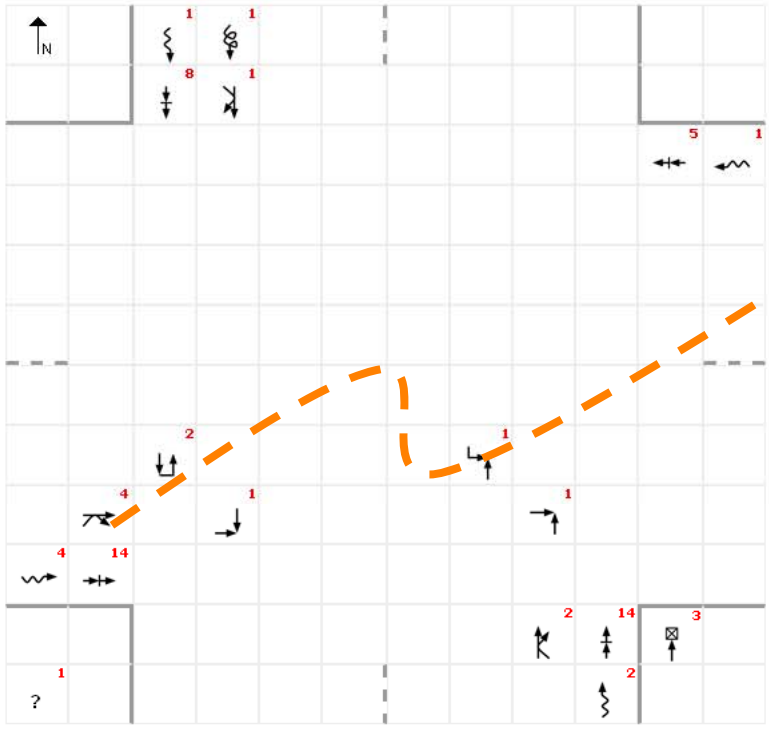
▼ *INTERSECTION DIAGRAM*



Crash Type Legend

Left Entering · Left Leaving · Off Road · Other · Rear End · Right Angle · Rollover · Same Direction Sideswipe · ? Unknown

Fatalities: 1, Injuries: 7, Damages: $ 208,034, Crash Severity: 0.72

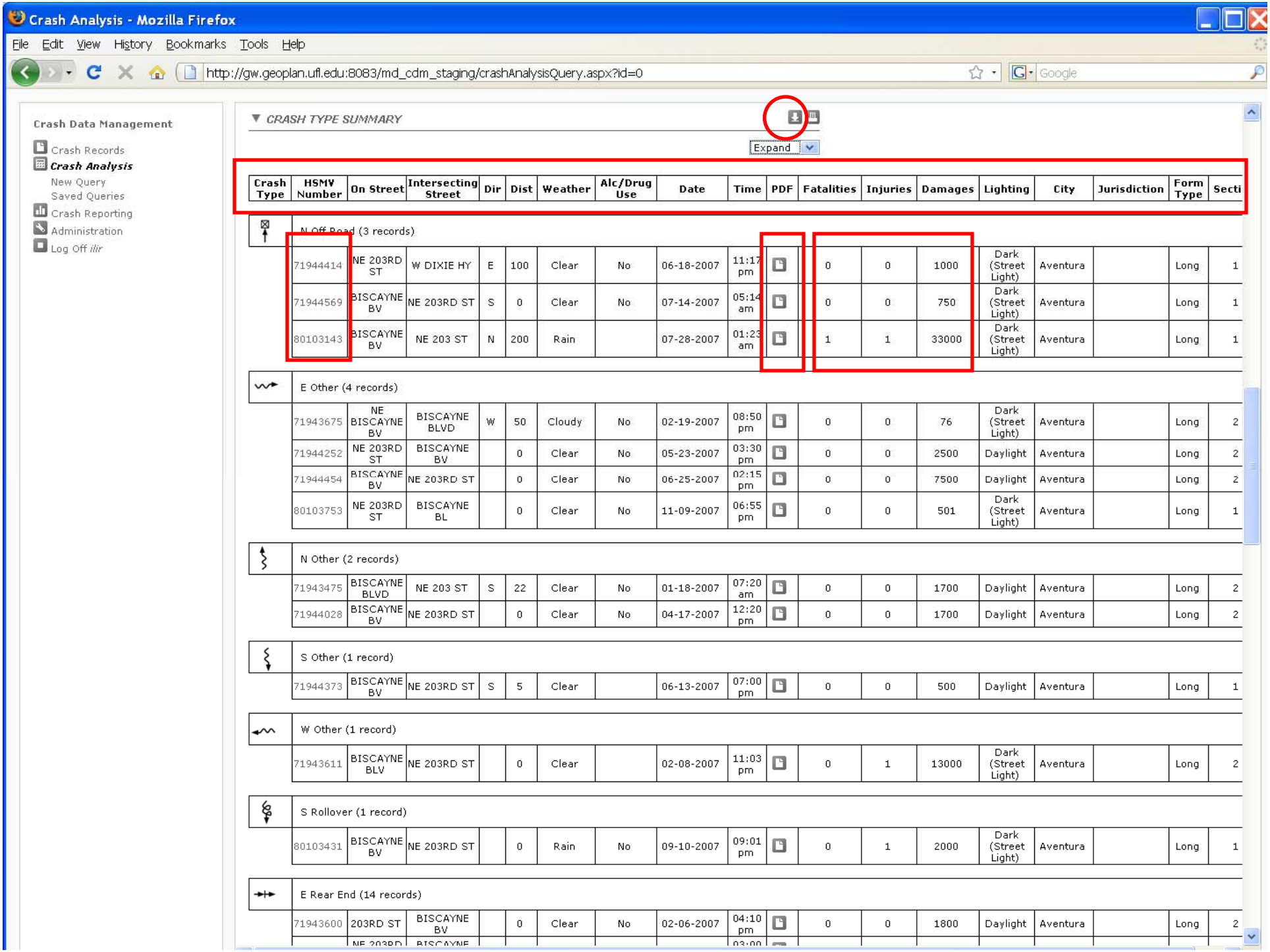
Crash Types

- Bicycle
- Pedestrian
- Head on
- Left turn - entering
- Left turn - leaving
- Left turn - rear end
- Other
- Off road
- Rear end
- Right angle
- Right/left
- Right turn
- Rollover
- Sideswipe
- U-turn

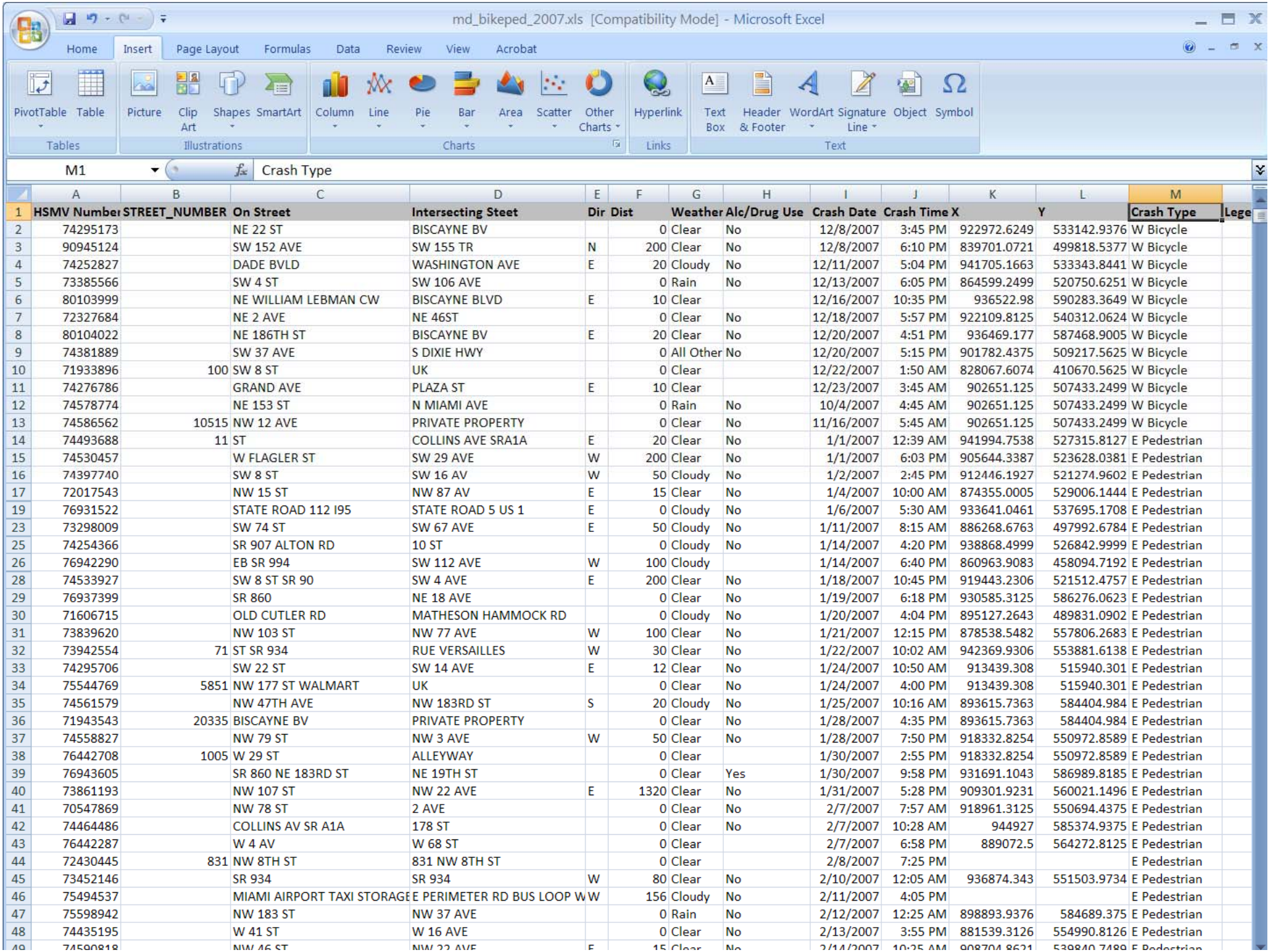
▼ *CRASH TYPE SUMMARY*

Collapse

Crash Type	HSMV Number	On Street	Intersecting Street	Dir	Dist	Weather	Alc/Drug Use	Date	Time
	N Off Road (3 records)								
	71944414	NE 203RD ST	W DIXIE HY	E	100	Clear	No	06-18-2007	11:17 pm
	71944569	BISCAYNE BV	NE 203RD ST	S	0	Clear	No	07-14-2007	05:14 am

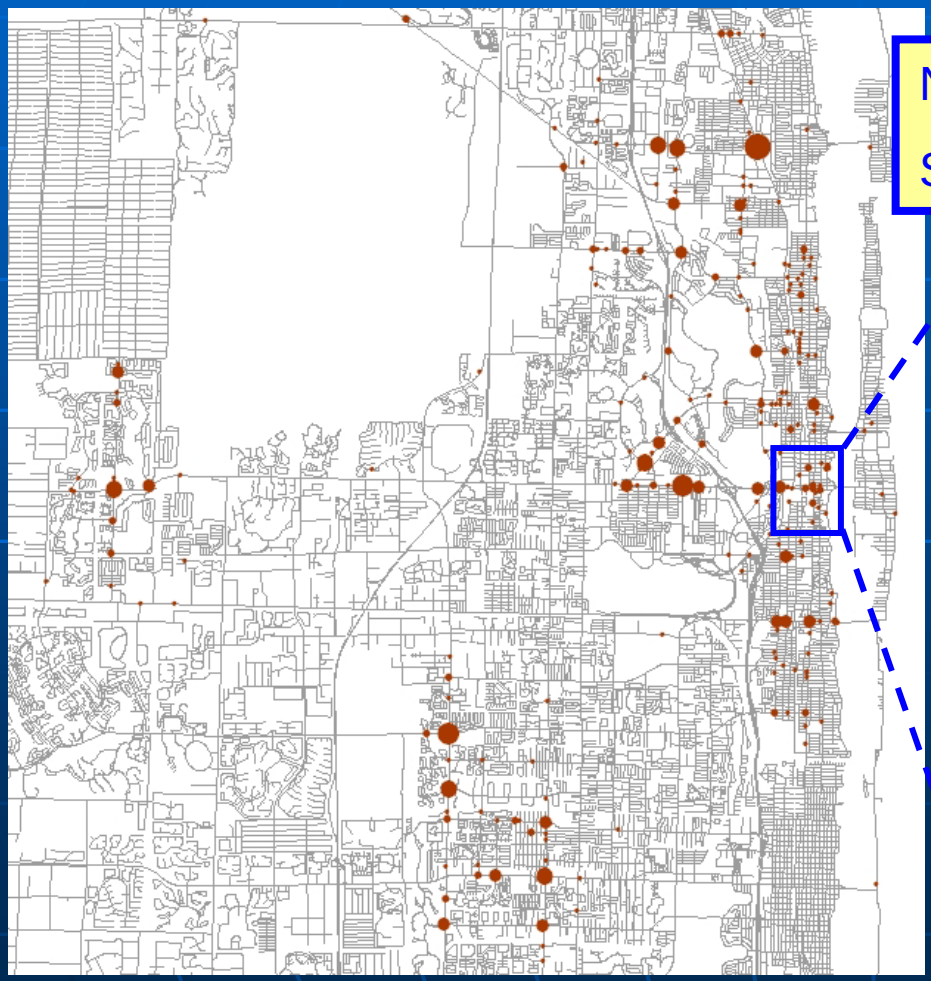


Crash Type	HSMV Number	On Street	Intersecting Street	Dir	Dist	Weather	Alc/Drug Use	Date	Time	PDF	Fatalities	Injuries	Damages	Lighting	City	Jurisdiction	Form Type	Secti
N Off Road (3 records)																		
	71944414	NE 203RD ST	W DIXIE HY	E	100	Clear	No	06-18-2007	11:17 pm		0	0	1000	Dark (Street Light)	Aventura		Long	1
	71944569	BISCAYNE BV	NE 203RD ST	S	0	Clear	No	07-14-2007	05:14 am		0	0	750	Dark (Street Light)	Aventura		Long	1
	80103143	BISCAYNE BV	NE 203 ST	N	200	Rain		07-28-2007	01:23 am		1	1	33000	Dark (Street Light)	Aventura		Long	1
E Other (4 records)																		
	71943675	NE BISCAYNE BV	BISCAYNE BLVD	W	50	Cloudy	No	02-19-2007	08:50 pm		0	0	76	Dark (Street Light)	Aventura		Long	2
	71944252	NE 203RD ST	BISCAYNE BV		0	Clear	No	05-23-2007	03:30 pm		0	0	2500	Daylight	Aventura		Long	2
	71944454	BISCAYNE BV	NE 203RD ST		0	Clear	No	06-25-2007	02:15 pm		0	0	7500	Daylight	Aventura		Long	2
	80103753	NE 203RD ST	BISCAYNE BL		0	Clear	No	11-09-2007	06:55 pm		0	0	501	Dark (Street Light)	Aventura		Long	1
N Other (2 records)																		
	71943475	BISCAYNE BLVD	NE 203 ST	S	22	Clear	No	01-18-2007	07:20 am		0	0	1700	Daylight	Aventura		Long	2
	71944028	BISCAYNE BV	NE 203RD ST		0	Clear	No	04-17-2007	12:20 pm		0	0	1700	Daylight	Aventura		Long	2
S Other (1 record)																		
	71944373	BISCAYNE BV	NE 203RD ST	S	5	Clear		06-13-2007	07:00 pm		0	0	500	Daylight	Aventura		Long	1
W Other (1 record)																		
	71943611	BISCAYNE BLV	NE 203RD ST		0	Clear		02-08-2007	11:03 pm		0	1	13000	Dark (Street Light)	Aventura		Long	2
S Rollover (1 record)																		
	80103431	BISCAYNE BV	NE 203RD ST		0	Rain	No	09-10-2007	09:01 pm		0	1	2000	Dark (Street Light)	Aventura		Long	1
E Rear End (14 records)																		
	71943600	203RD ST	BISCAYNE BV		0	Clear	No	02-06-2007	04:10 pm		0	0	1800	Daylight	Aventura		Long	2



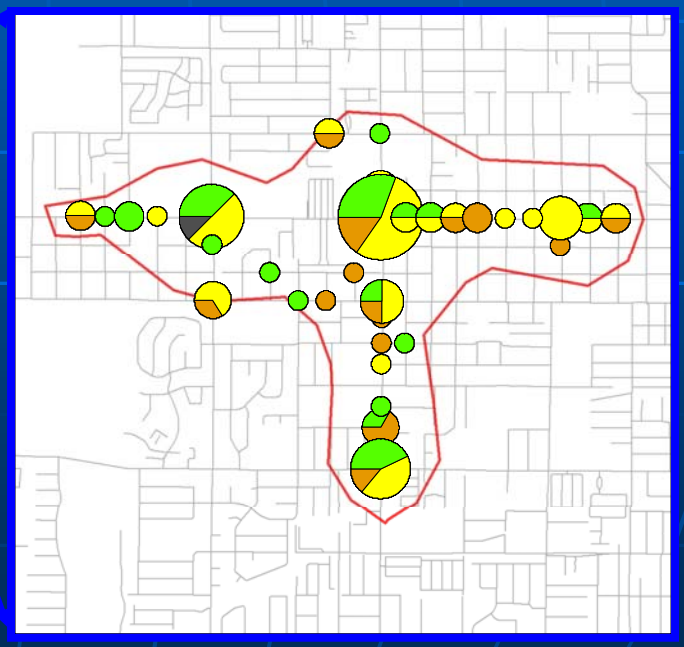
	A	B	C	D	E	F	G	H	I	J	K	L	M	
1	HSMV Numbe	STREET_NUMBER	On Street	Intersecting Steet	Dir	Dist	Weather	Alc/Drug Use	Crash Date	Crash Time	X	Y	Crash Type	Lege
2	74295173		NE 22 ST	BISCAYNE BV		0	Clear	No	12/8/2007	3:45 PM	922972.6249	533142.9376	W Bicycle	
3	90945124		SW 152 AVE	SW 155 TR	N	200	Clear	No	12/8/2007	6:10 PM	839701.0721	499818.5377	W Bicycle	
4	74252827		DADE BVLD	WASHINGTON AVE	E	20	Cloudy	No	12/11/2007	5:04 PM	941705.1663	533343.8441	W Bicycle	
5	73385566		SW 4 ST	SW 106 AVE		0	Rain	No	12/13/2007	6:05 PM	864599.2499	520750.6251	W Bicycle	
6	80103999		NE WILLIAM LEBMAN CW	BISCAYNE BLVD	E	10	Clear		12/16/2007	10:35 PM	936522.98	590283.3649	W Bicycle	
7	72327684		NE 2 AVE	NE 46ST		0	Clear	No	12/18/2007	5:57 PM	922109.8125	540312.0624	W Bicycle	
8	80104022		NE 186TH ST	BISCAYNE BV	E	20	Clear	No	12/20/2007	4:51 PM	936469.177	587468.9005	W Bicycle	
9	74381889		SW 37 AVE	S DIXIE HWY		0	All Other	No	12/20/2007	5:15 PM	901782.4375	509217.5625	W Bicycle	
10	71933896	100	SW 8 ST	UK		0	Clear		12/22/2007	1:50 AM	828067.6074	410670.5625	W Bicycle	
11	74276786		GRAND AVE	PLAZA ST	E	10	Clear		12/23/2007	3:45 AM	902651.125	507433.2499	W Bicycle	
12	74578774		NE 153 ST	N MIAMI AVE		0	Rain	No	10/4/2007	4:45 AM	902651.125	507433.2499	W Bicycle	
13	74586562	10515	NW 12 AVE	PRIVATE PROPERTY		0	Clear	No	11/16/2007	5:45 AM	902651.125	507433.2499	W Bicycle	
14	74493688	11	ST	COLLINS AVE SRA1A	E	20	Clear	No	1/1/2007	12:39 AM	941994.7538	527315.8127	E Pedestrian	
15	74530457		W FLAGLER ST	SW 29 AVE	W	200	Clear	No	1/1/2007	6:03 PM	905644.3387	523628.0381	E Pedestrian	
16	74397740		SW 8 ST	SW 16 AV	W	50	Cloudy	No	1/2/2007	2:45 PM	912446.1927	521274.9602	E Pedestrian	
17	72017543		NW 15 ST	NW 87 AV	E	15	Clear	No	1/4/2007	10:00 AM	874355.0005	529006.1444	E Pedestrian	
19	76931522		STATE ROAD 112 I95	STATE ROAD 5 US 1	E	0	Cloudy	No	1/6/2007	5:30 AM	933641.0461	537695.1708	E Pedestrian	
23	73298009		SW 74 ST	SW 67 AVE	E	50	Cloudy	No	1/11/2007	8:15 AM	886268.6763	497992.6784	E Pedestrian	
25	74254366		SR 907 ALTON RD	10 ST		0	Cloudy	No	1/14/2007	4:20 PM	938868.4999	526842.9999	E Pedestrian	
26	76942290		EB SR 994	SW 112 AVE	W	100	Cloudy		1/14/2007	6:40 PM	860963.9083	458094.7192	E Pedestrian	
28	74533927		SW 8 ST SR 90	SW 4 AVE	E	200	Clear	No	1/18/2007	10:45 PM	919443.2306	521512.4757	E Pedestrian	
29	76937399		SR 860	NE 18 AVE		0	Clear	No	1/19/2007	6:18 PM	930585.3125	586276.0623	E Pedestrian	
30	71606715		OLD CUTLER RD	MATHESON HAMMOCK RD		0	Cloudy	No	1/20/2007	4:04 PM	895127.2643	489831.0902	E Pedestrian	
31	73839620		NW 103 ST	NW 77 AVE	W	100	Clear	No	1/21/2007	12:15 PM	878538.5482	557806.2683	E Pedestrian	
32	73942554	71	ST SR 934	RUE VERSAILLES	W	30	Clear	No	1/22/2007	10:02 AM	942369.9306	553881.6138	E Pedestrian	
33	74295706		SW 22 ST	SW 14 AVE	E	12	Clear	No	1/24/2007	10:50 AM	913439.308	515940.301	E Pedestrian	
34	75544769	5851	NW 177 ST WALMART	UK		0	Clear	No	1/24/2007	4:00 PM	913439.308	515940.301	E Pedestrian	
35	74561579		NW 47TH AVE	NW 183RD ST	S	20	Cloudy	No	1/25/2007	10:16 AM	893615.7363	584404.984	E Pedestrian	
36	71943543	20335	BISCAYNE BV	PRIVATE PROPERTY		0	Clear	No	1/28/2007	4:35 PM	893615.7363	584404.984	E Pedestrian	
37	74558827		NW 79 ST	NW 3 AVE	W	50	Clear	No	1/28/2007	7:50 PM	918332.8254	550972.8589	E Pedestrian	
38	76442708	1005	W 29 ST	ALLEYWAY		0	Clear		1/30/2007	2:55 PM	918332.8254	550972.8589	E Pedestrian	
39	76943605		SR 860 NE 183RD ST	NE 19TH ST		0	Clear	Yes	1/30/2007	9:58 PM	931691.1043	586989.8185	E Pedestrian	
40	73861193		NW 107 ST	NW 22 AVE	E	1320	Clear	No	1/31/2007	5:28 PM	909301.9231	560021.1496	E Pedestrian	
41	70547869		NW 78 ST	2 AVE		0	Clear	No	2/7/2007	7:57 AM	918961.3125	550694.4375	E Pedestrian	
42	74464486		COLLINS AV SR A1A	178 ST		0	Clear	No	2/7/2007	10:28 AM	944927	585374.9375	E Pedestrian	
43	76442287		W 4 AV	W 68 ST		0	Clear		2/7/2007	6:58 PM	889072.5	564272.8125	E Pedestrian	
44	72430445	831	NW 8TH ST	831 NW 8TH ST		0	Clear		2/8/2007	7:25 PM			E Pedestrian	
45	73452146		SR 934	SR 934	W	80	Clear	No	2/10/2007	12:05 AM	936874.343	551503.9734	E Pedestrian	
46	75494537		MIAMI AIRPORT TAXI STORAGE	E PERIMETER RD BUS LOOP W	W	156	Cloudy	No	2/11/2007	4:05 PM			E Pedestrian	
47	75598942		NW 183 ST	NW 37 AVE		0	Rain	No	2/12/2007	12:25 AM	898893.9376	584689.375	E Pedestrian	
48	74435195		W 41 ST	W 16 AVE		0	Clear	No	2/13/2007	3:55 PM	881539.3126	554990.8126	E Pedestrian	
49	74590818		NW 46 ST	NW 22 AVE	E	15	Clear	No	2/14/2007	10:25 AM	908704.8621	539840.7489	E Pedestrian	

Advanced Analysis in ArcGIS



Number of Crashes = Radius of Pie

Severity of Crash = Color of Slice

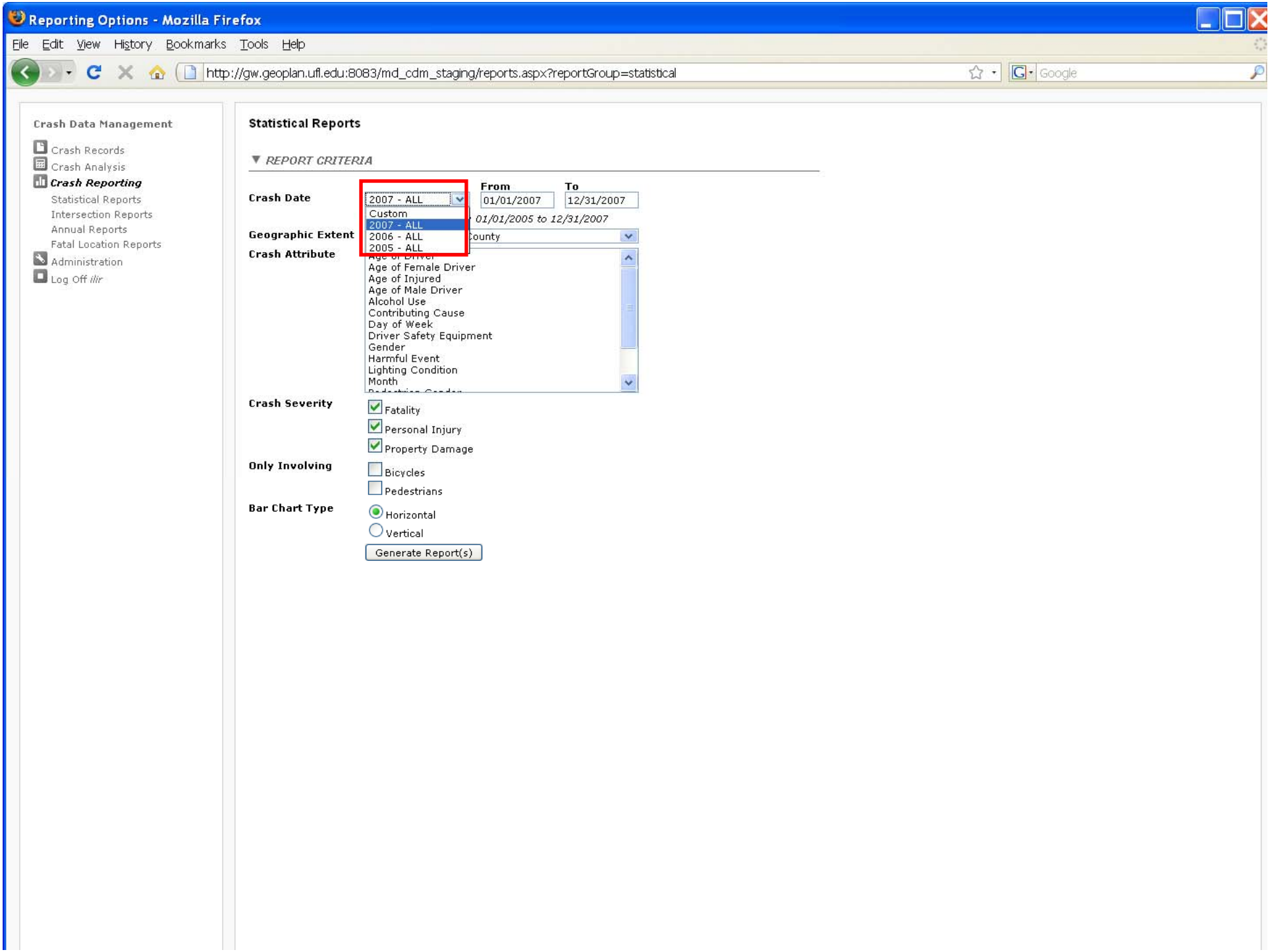


Statistical Reporting

- General Statistics
  - Time of the day
  - Day of the week
  - Alcohol use
  - Contributing cause
  - Harmful event
  - Lighting condition
  - Vehicle type
  - and more...

Statistical Reporting

- Intersections Reports
  - Crash County
  - Crash Rate
  - Crash Severity
- Annual Comparative Reports
  - Crashes by Year
  - Fatalities by Year
- Fatal Locations Report
  - Signalized Intersections
  - Non-signalized Intersections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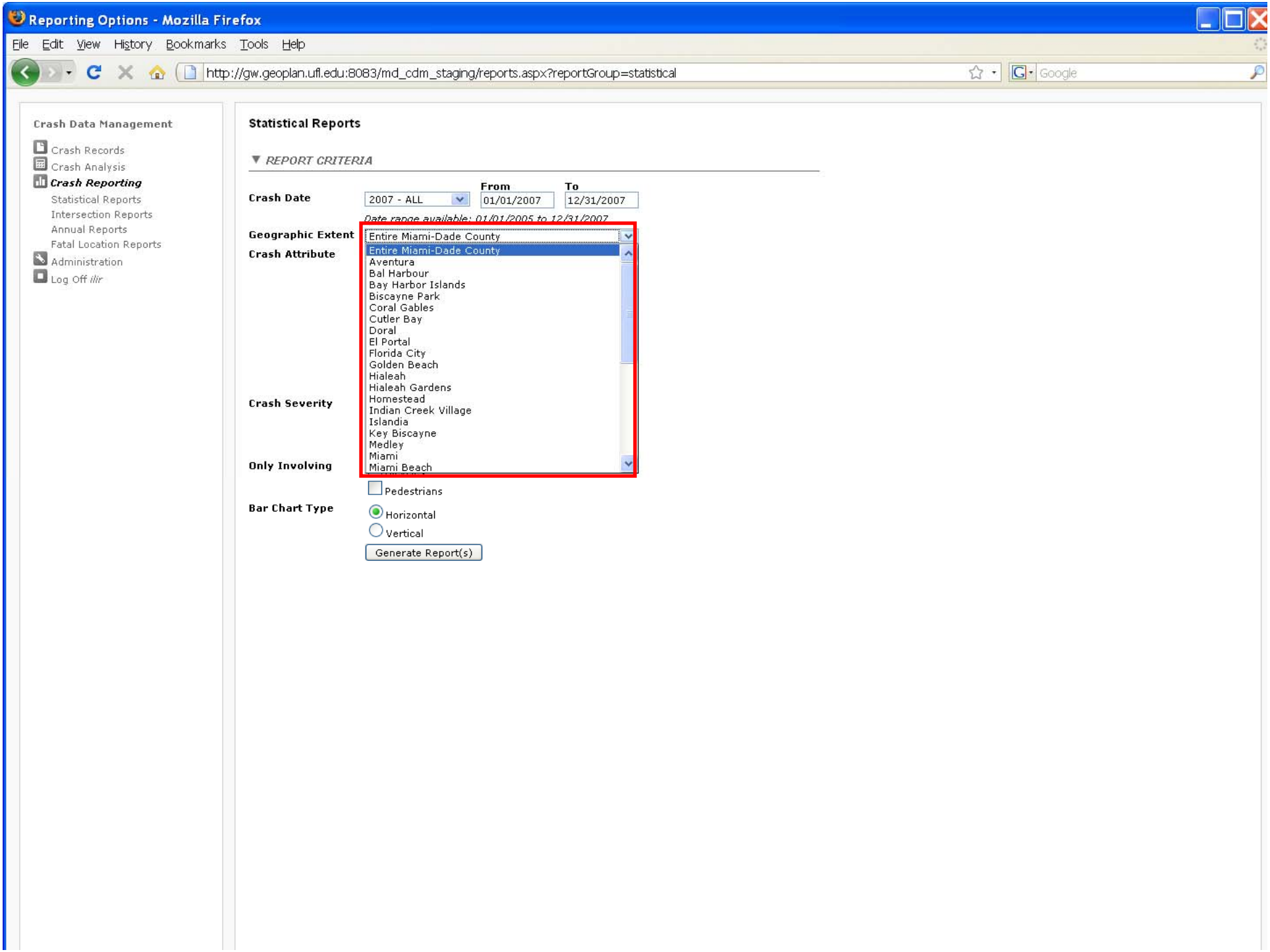
Crash Data Management
Crash Records
Crash Analysis
Crash Reporting
Statistical Reports
Intersection Reports
Annual Reports
Fatal Location Reports
Administration
Log Off ilir
Statistical Reports
REPORT CRITERIA
Crash Date
2007 - ALL
From
01/01/2007
To
12/31/2007
Custom
2007 - ALL
2006 - ALL
2005 - ALL
01/01/2005 to 12/31/2007
Geographic Extent
County
Crash Attribute
Age of Female Driver
Age of Injured
Age of Male Driver
Alcohol Use
Contributing Cause
Day of Week
Driver Safety Equipment
Gender
Harmful Event
Lighting Condition
Month
Crash Severity
Fatality
Personal Injury
Property Damage
Only Involving
Bicycles
Pedestrians
Bar Chart Type
Horizontal
Vertical
Generate Report(s)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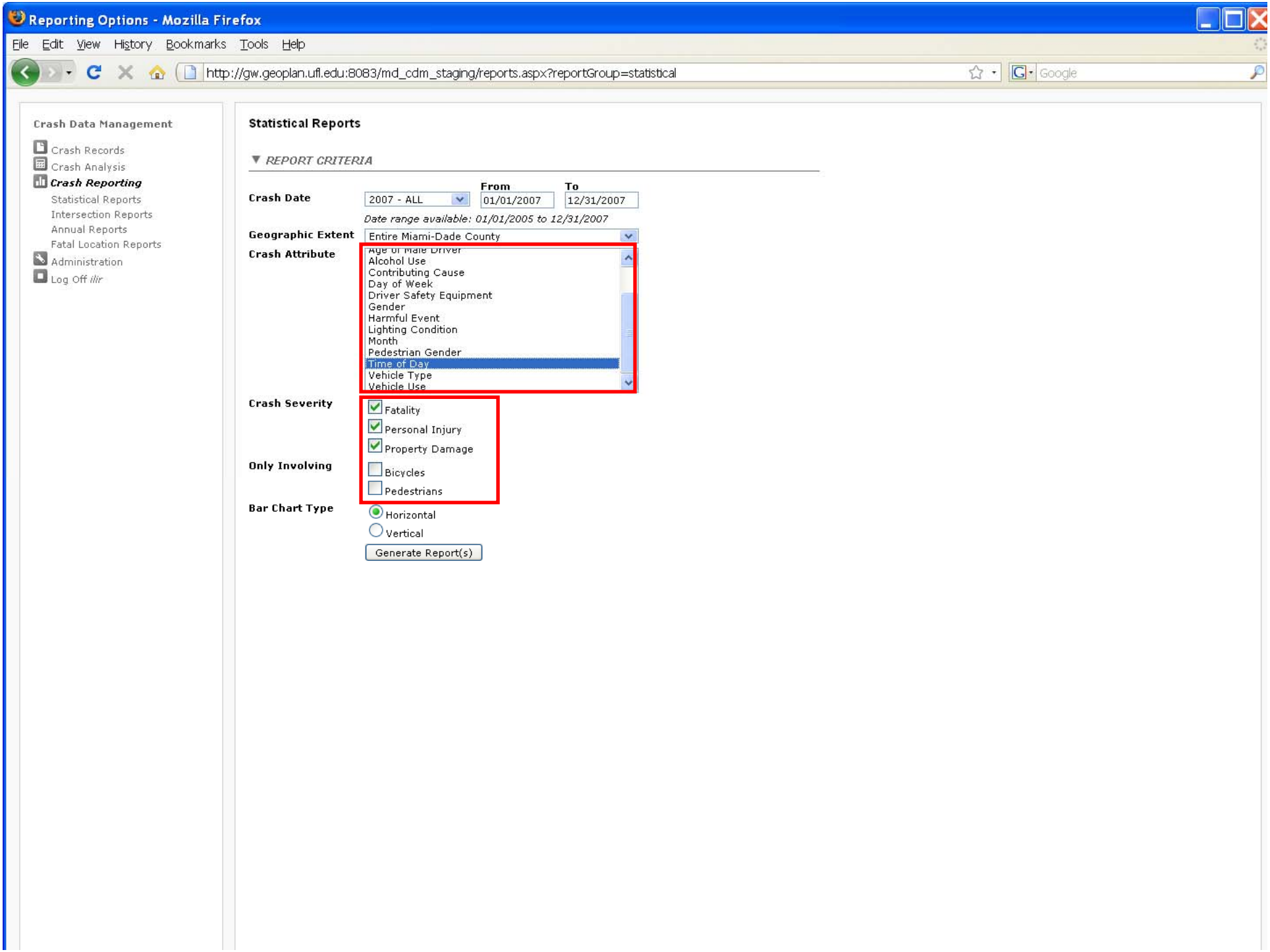
Google
Crash Data Management
Crash Records
Crash Analysis
Crash Reporting
Statistical Reports
Intersection Reports
Annual Reports
Fatal Location Reports
Administration
Log Off ilir
Statistical Reports
REPORT CRITERIA
Crash Date
2007 - ALL
From
01/01/2007
To
12/31/2007
Date range available: 01/01/2005 to 12/31/2007
Geographic Extent
Entire Miami-Dade County
Crash Attribute
Crash Severity
Only Involving
Entire Miami-Dade County
Aventura
Bal Harbour
Bay Harbor Islands
Biscayne Park
Coral Gables
Cutler Bay
Doral
El Portal
Florida City
Golden Beach
Hialeah
Hialeah Gardens
Homestead
Indian Creek Village
Islandia
Key Biscayne
Medley
Miami
Miami Beach
Pedestrians
Bar Chart Type
Horizontal
Vertical
Generate Report(s)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Crash Data Management
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Intersection Reports
Annual Reports
Fatal Location Reports
Administration
Log Off ilir
Statistical Reports
REPORT CRITERIA
Crash Date
2007 - ALL
From
01/01/2007
To
12/31/2007
Date range available: 01/01/2005 to 12/31/2007
Geographic Extent
Entire Miami-Dade County
Crash Attribute
Age of Male Driver
Alcohol Use
Contributing Cause
Day of Week
Driver Safety Equipment
Gender
Harmful Event
Lighting Condition
Month
Pedestrian Gender
Time of Day
Vehicle Type
Vehicle Use
Crash Severity
Fatality
Personal Injury
Property Damage
Only Involving
Bicycles
Pedestrians
Bar Chart Type
Horizontal
Vertical
Generate Report(s)

Reporting Options - Mozilla Firefox

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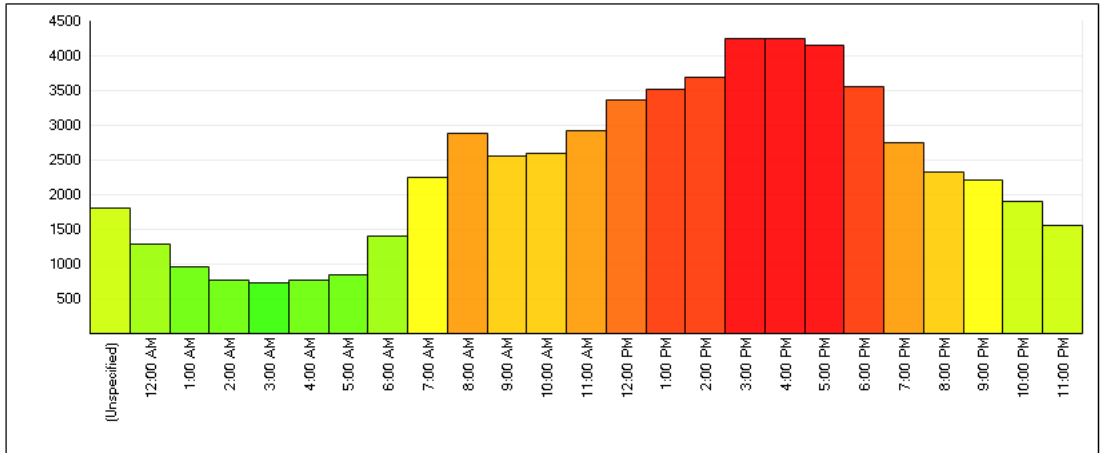
Crash Data Management

- Crash Records
- Crash Analysis
- ***Crash Reporting***
  - Statistical Reports
  - Intersection Reports
  - Annual Reports
  - Fatal Location Reports
- Administration
- Log Off *ilir*

▼ *REPORT - TIME OF DAY*

Time of Day	Crashes	Percentage
(Unspecified)	1809	3.1%
12:00 AM	1290	2.2%
1:00 AM	965	1.6%
2:00 AM	773	1.3%
3:00 AM	724	1.2%
4:00 AM	776	1.3%
5:00 AM	842	1.4%
6:00 AM	1396	2.4%
7:00 AM	2243	3.8%
8:00 AM	2888	4.9%
9:00 AM	2555	4.3%
10:00 AM	2592	4.4%
11:00 AM	2925	4.9%
12:00 PM	3375	5.7%
1:00 PM	3517	5.9%
2:00 PM	3694	6.2%
3:00 PM	4247	7.2%
4:00 PM	4242	7.2%
5:00 PM	4158	7.0%
6:00 PM	3560	6.0%
7:00 PM	2745	4.6%
8:00 PM	2323	3.9%
9:00 PM	2213	3.7%
10:00 PM	1905	3.2%
11:00 PM	1549	2.6%
Total	***59306***	***100.0%***



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Google

Crash Data Management

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- Administration
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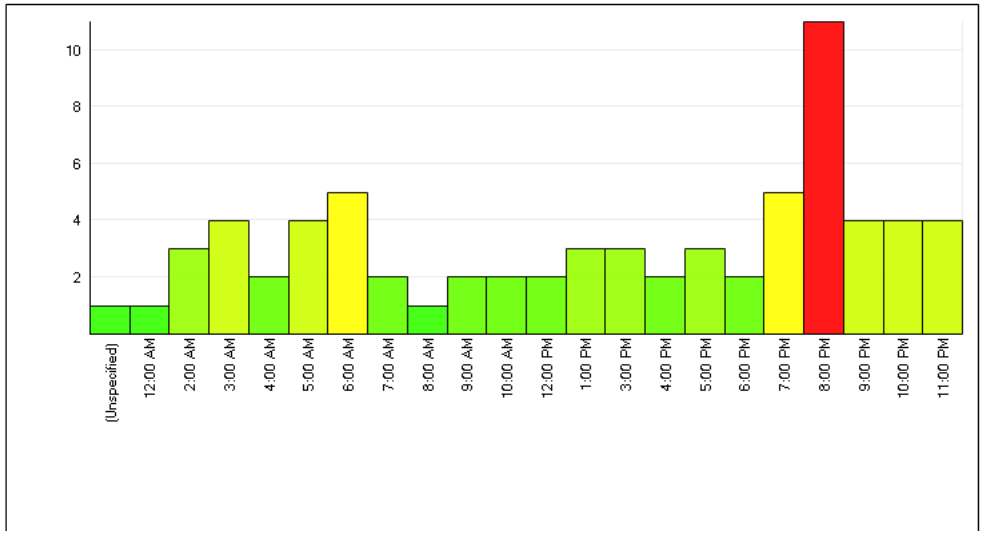
▼ *REPORT - TIME OF DAY*

Time of Day	Crashes	Percentage
(Unspecified)	1	1.4%
12:00 AM	1	1.4%
2:00 AM	3	4.3%
3:00 AM	4	5.7%
4:00 AM	2	2.9%
5:00 AM	4	5.7%
6:00 AM	5	7.1%
7:00 AM	2	2.9%
8:00 AM	1	1.4%
9:00 AM	2	2.9%
10:00 AM	2	2.9%
12:00 PM	2	2.9%
1:00 PM	3	4.3%
3:00 PM	3	4.3%
4:00 PM	2	2.9%
5:00 PM	3	4.3%
6:00 PM	2	2.9%
7:00 PM	5	7.1%
8:00 PM	11	15.7%
9:00 PM	4	5.7%
10:00 PM	4	5.7%
11:00 PM	4	5.7%
Total	***70***	***100.0%***



System Hosting and Access

- Will be hosted at Public Works
- Access through the intranet
  - Internet Explorer or other browsers
- Available to any agency that need access to this information
- Law enforcement should be encouraged to use it

Current Status

- Data in the system now: 2005-2007
- Currently processing 2008 – available in 4-6 weeks
- Finalizing GIS features
- System 95% complete
- Coming training

Next

- 2009 long form crash data are available on monthly basis
- Short forms may be available second half of 2009
- Support is needed to continuously upload and map the future crash data

Comments/Questions

- Ilir Bejleri, ilir@ufl.edu