

TRAFFIC FLOW TO AND FROM CENTRAL PARK

A StreetLight Analysis

Analysis of Traffic going to/from Central Park

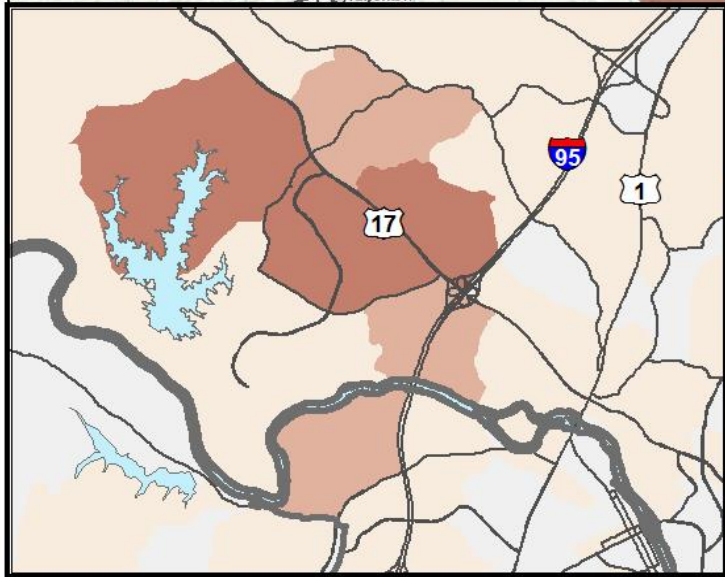
- Utilizes 2017 StreetLight Data (provided by State to FAMPO)
- StreetLight Data collected from GPS and bluetooth data
 - Collect a sample of traffic origin-destination
- StreetLight data is best available origin-destination data source
- Analysis calculated I-95 SB traffic to Central Park during PM Peak period (3-8 PM)
- Analysis calculated where traffic that stopped in Central Park went next

Inflow Vs. Outflow

- The inflow traffic uses GWRC/FAMPO Traffic Analysis Zones (TAZs) and NoVA counties as origin
 - Shading differences are based upon total number of trips
- Outflow sets Central Park parcels as the origin
 - Use of various directional gates to achieve directional flow
 - Arrows indicate total percentage of traffic flow

INFLOW

Regional View of Traffic Flow Into Central Park



Legend

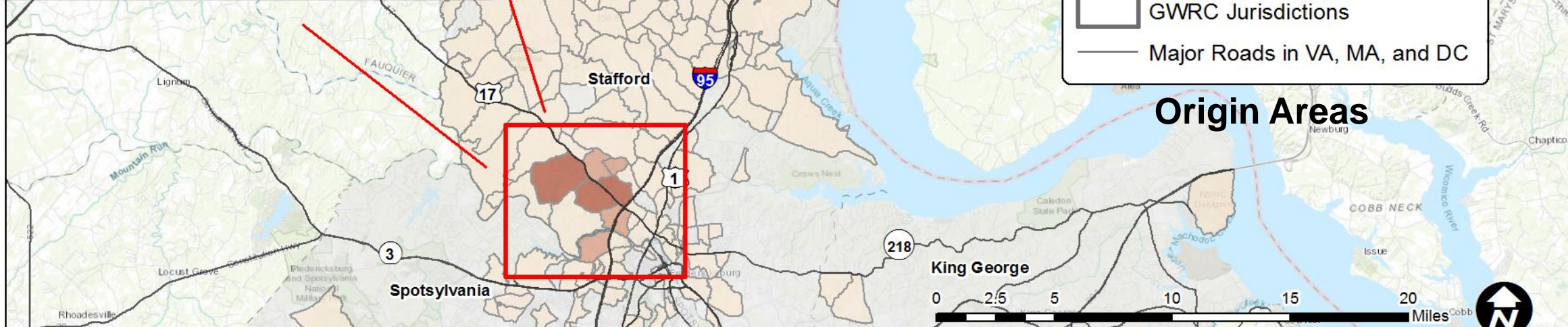
Origin - Destination Trip Counts

- 1 - 50 (Lightest brown)
- 51 - 150 (Medium brown)
- 151 - 345 (Darkest brown)

GWRC Jurisdictions (White outline)

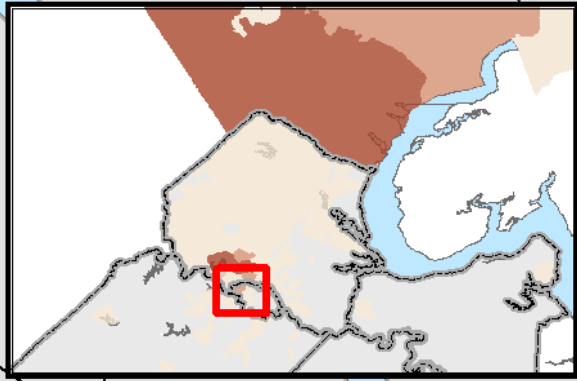
Major Roads in VA, MA, and DC (Black line)

Origin Areas




Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Central Park from I-95 SB: Destination Parcels







Origin

Legend

 I-95 SB Middle Filter

Number of Trips

-  295
-  389
-  766
-  978

Percentages Represent total traffic from NOVA/Stafford

12.2%

16.1%

40.2%

31.5%



Inflow Percentages to Central Park

Parcel	Traffic Inflow	
	Trip Counts	Percentage of All Inflow
319 – Parcel North of Fall Hill	295	12.2%
302 – Farthest West Parcel	389	16.1%
290 – Farthest East Parcel with majority of retail density	766	31.5%
316 – parcel between Central Park Blvd and Carl D. Silver Pkwy	978	40.2%
Total traffic flow	2,428	100%

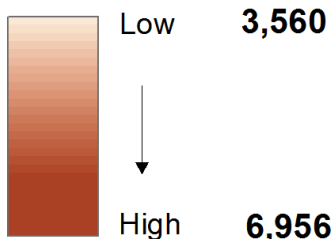
OUTFLOW

2017 PM Peak Period Central Park Traffic Flow

Inflow traffic from NOVA/Stafford represents 12.3% of all traffic from I-95 SB

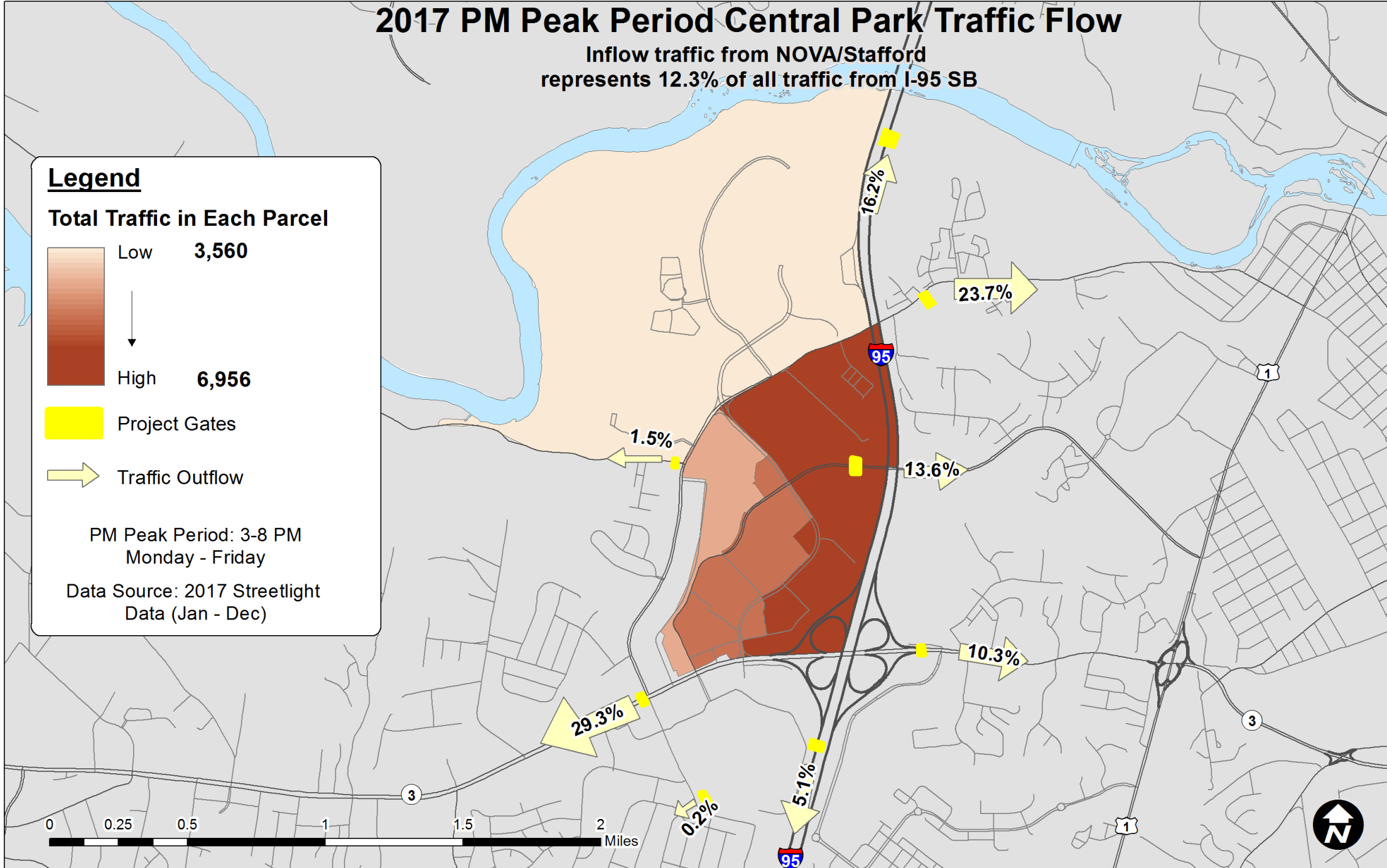
Legend

Total Traffic in Each Parcel



PM Peak Period: 3-8 PM
Monday - Friday

Data Source: 2017 Streetlight
Data (Jan - Dec)



Outflow Percentages from Central Park

Gate Name	Traffic Outflow	
	Trip Counts	Percentage of All Outflow
River Rd WB	296	1.5%
Route 3 WB	5,776	29.3%
Route 3 EB Exit 131	2,037	10.3%
Spotsylvania Towne Center SB	29	0.2%
I-95 SB South of Exit 131	1,004	5.1%
Cowan Blvd EB	2,676	13.6%
Fall Hill Ave EB	4,673	23.7%
NB I-95 to NoVA	3,198	16.2%
Total	19,689	100%

Questions?

