

Sewer Lines Tracking Tool

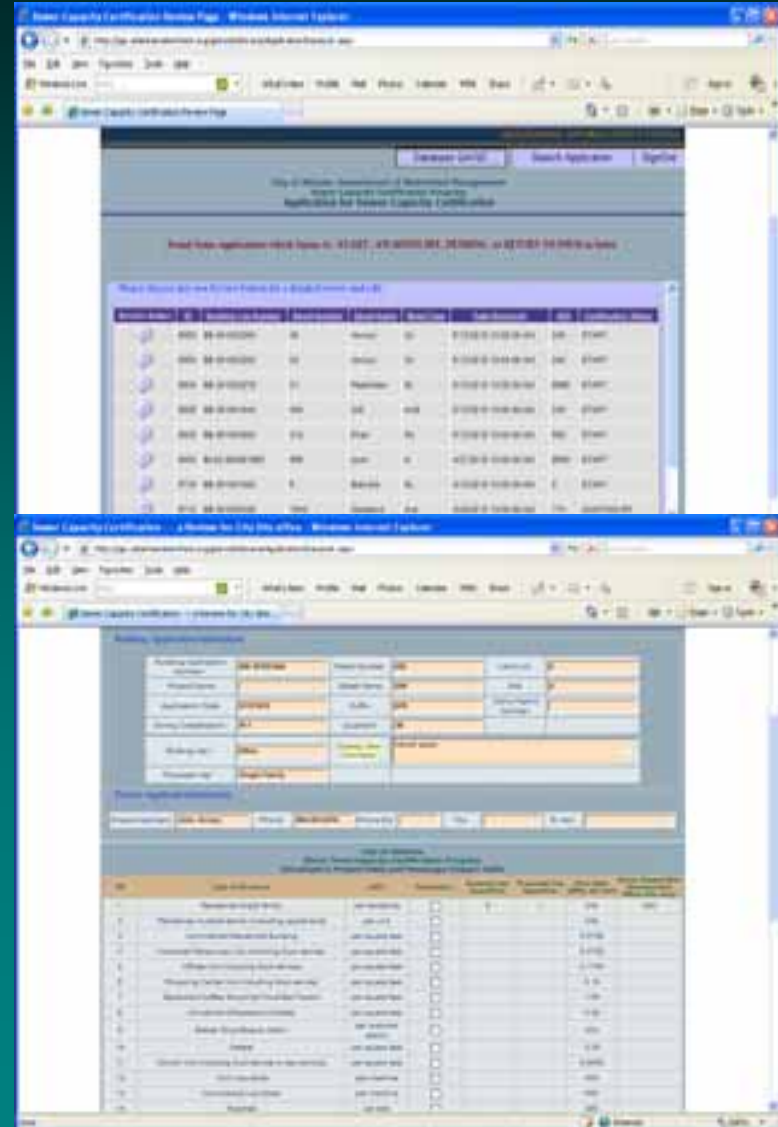
- This tool was designed to help Sewer capacity certification analysts to determine whether or not there is adequate wastewater treatment and sewer capacity before authorizing new flow and sewer service connections requested by the building permit application.


Trace Algorithm

- We created the map to link upstream and downstream objects through object-to-object network connectivity and indicate normal flow direction through the pipe network.
 - DSPipe (i) is an array element that stores the Down Stream pipe of pipe i.
 - DSPipe (i) = j if ToManhole (i) = FromManhole (j)
 - DSPipe (i) = 0 if Water Reclamation Center (WRC)

Geocoding

- Select and Display Project Application Information from Oracle Database
- Automate geocoding of street address
 - ArcIMS geocode service
 - Google geocode service




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 DEPARTMENT OF WATERSHED MANAGEMENT


GEOGRAPHIC INFORMATION SYSTEMS

Database QA/QC









Search Application

SignOut

 City of Atlanta - Department of Watershed Management
 Sewer Capacity Certification Program
 Application for Sewer Capacity Certification

Found Some Applications which Status is : START , AWAITING RFI , PENDING , or RETURN TO DWM as below

Please choose any one Review button for a detailed review and edit:

Review Button	ID	Building Log Number	Street Number	Street Name	Street Type	Date Received	ADF	Certification Status
	0903	BB 201002294	35	Honour	Cir	5/13/2010 12:00:00 AM	240	START
	0904	BB 201002292	33	Honour	Cir	5/13/2010 12:00:00 AM	240	START
	0934	BB 201002279	21	Peachtree	St.	5/12/2010 12:00:00 AM	6600	START
	0935	BB 201001844	454	Gift	AVE	5/12/2010 12:00:00 AM	240	START
	0933	BB 201002200	312	Pharr	Rd	5/12/2010 12:00:00 AM	608	START
	0853	BLA2 200901985	656	pryor	st	4/27/2010 12:00:00 AM	6600	START
	0716	BB 201001092	6	Blanche	St.	4/12/2010 12:00:00 AM	0	START
	0713	BB 201000326	1843	Moreland	Ave.	3/22/2010 12:00:00 AM	774	AWAITING RFI

Building Application Information:

Building Application Number:	DD 201001844	Street Number:	454	Land Lot:	0
Project Name:		Street Name:	Gift	Dist:	0
Application Date:	5/13/2010	Suffix:	AVE	Dem Permit Number:	
Zoning Classification:	R-1	Quadrant:	SE		
Existing Use:	Other	Existing Other Comments:	Vacant space		
Proposed Use:	Single Family				

Project Applicant Information:

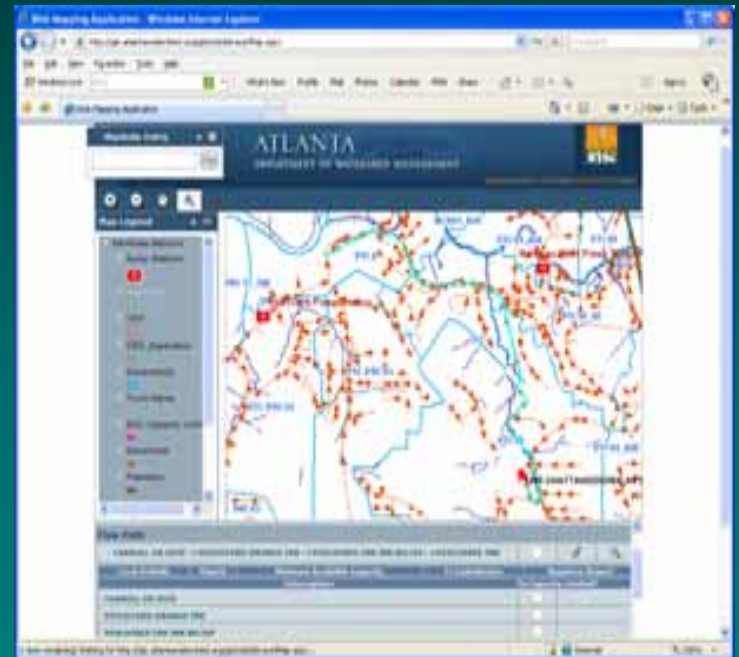
Project Applicant:	John Swiney	Phone:	404-502-8574	Phone Ext.:		Fax:		E-mail:	
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City of Atlanta
Short-Term Capacity Certification Program
Developer's Project Data and Sewerage Impact Table

ID	Type of Structure	UNIT	Demolition	Existing Use Quantities	Proposed Use Quantities	Flow Rate (GPD) per Unit	Sewer Impact (Site Development Office Use only)
1	Residence, single family	per residence	<input type="checkbox"/>	0	1	240	240
2	Residence, multiple family (including apartments)	per unit	<input type="checkbox"/>			240	
3	Commercial/Mercantile Building	per square feet	<input type="checkbox"/>			0.0750	
4	Industrial/Warehouse (not including food service)	per square feet	<input type="checkbox"/>			0.0750	
5	Offices (not including food service)	per square feet	<input type="checkbox"/>			0.1750	
6	Shopping Center (not including food service)	per square feet	<input type="checkbox"/>			0.10	
7	Restaurants/Coffee Shop/Fast Food/Bar/Tavern	per square feet	<input type="checkbox"/>			1.65	
8	Amusement/Recreation/Arcade	per square feet	<input type="checkbox"/>			0.20	
9	Barber Shop/Beauty Salon	per customer station	<input type="checkbox"/>			333	
10	Caterer	per square feet	<input type="checkbox"/>			3.30	
11	Church (not including food service or day schools)	per square feet	<input type="checkbox"/>			0.0650	
12	Coin Laundries	per machine	<input type="checkbox"/>			400	
13	Commercial Laundries	per machine	<input type="checkbox"/>			640	
14	Hospitals	per bed	<input type="checkbox"/>			200	

Downstream Trace Report

- Based on a user selected start point
- Runs a downstream trace
- Highlight capacity limited pipe segments on the map
- Reports the information of downstream trace path in a scrollable gridview
- Ability to zoom in to a specific location at a specific scale



Web Mapping Application - Windows Internet Explorer

http://gis.atlantawatershed.org/gistool/dstrace/Map.aspx

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Windows Live Bing What's New Profile Mail Photos Calendar MGN Share Sign in


Web Mapping Application

Manhole Entry

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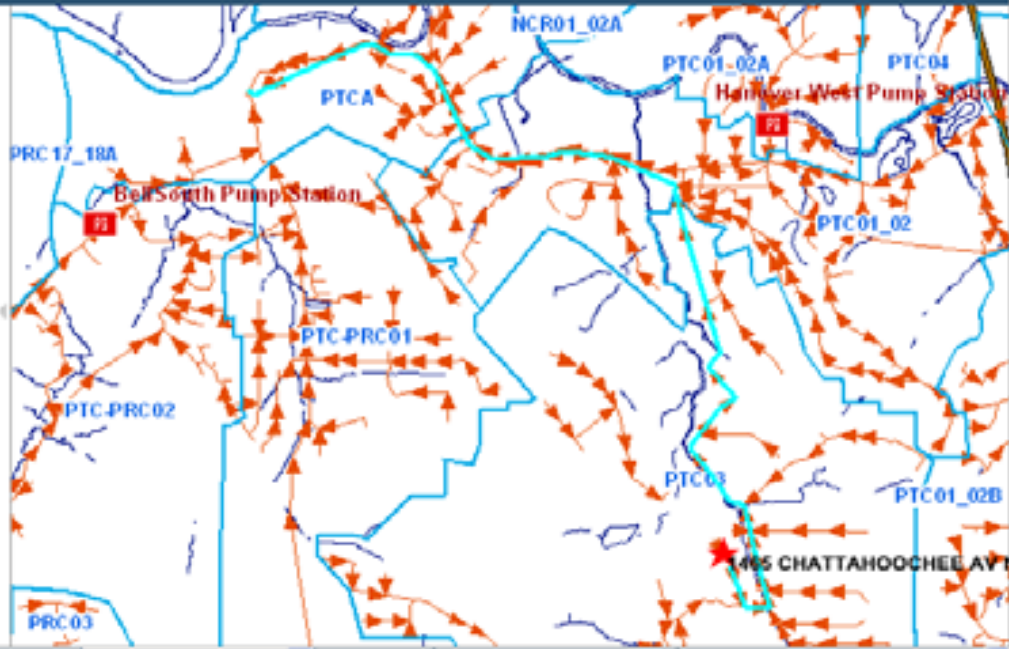
DEPARTMENT OF WATERSHED MANAGEMENT

GEOGRAPHIC INFORMATION SYSTEMS



Map Legend

- Manholes Network
- Pump Stations
- Manholes
- CSO
- CSO_Seperation
- Sewersheds
- Trunk Name
- SGC Capacity Limit
- Sewerlines
- Freeways



Flow Path:

CARROLL DR OUTF-->STOCKYARD BRANCH TRK-->PEACHTREE CRK TRK RELIEF-->PEACHTREE TRK

Local Outfalls	PipeId	Minimum Available Capacity	EJ Contribution	Negative Slopes?
Interceptors				Is Capacity Limited?
CARROLL DR OUTF				<input type="checkbox"/>
STOCKYARD BRANCH TRK				<input type="checkbox"/>
PEACHTREE CRK TRK RELIEF				<input type="checkbox"/>

(1 item remaining) Waiting for http://gis.atlantawatershed.org/gistool/dstrace/Map.aspx...

Internet 100%


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Web Mapping Application



Spill List(6):

spill1: 23180412301	more ...	<input type="checkbox"/>	
spill2: 23180410101	more ...	<input type="checkbox"/>	
spill3: 23180413201	more ...	<input type="checkbox"/>	
spill4: 23180208801	more ...	<input type="checkbox"/>	
spill5: 23180107001	more ...	<input type="checkbox"/>	
spill6: 23190322901	more ...	<input type="checkbox"/>	

Accept

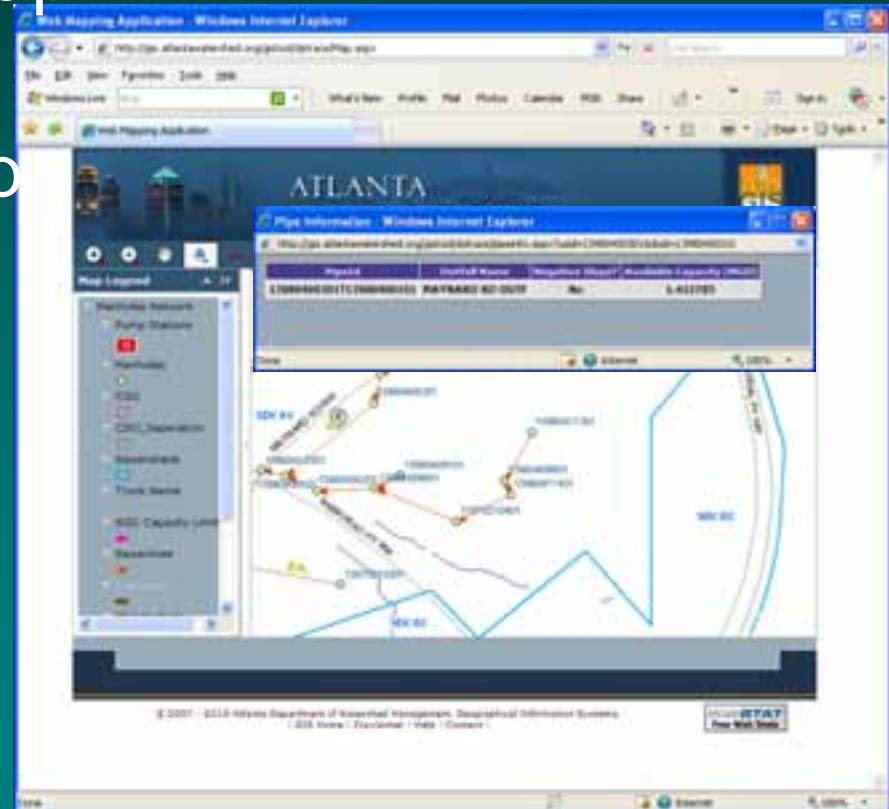
Internet 100%



DS Manhole	PROBTYPE	CSO Area	Spill To	Volume	Spill Date	Address	SERVNO	Rain Induced	Weather Conditions	Source WSPI	Grease	Roots
23180410101	CITY	Peachtree	LAND	1035	8/26/2004 4:15:00 AM	1452 CHATTAHOOCHEE AV	255218		DRY	MAIN		
23180410101	CITY	Peachtree	CREEK	750	8/22/2004 8:30:00 AM	1442 CHATTAHOOCHEE AV	254468		DRY	MAIN		
23180410101	CITY	Peachtree	LAND	75	8/10/2004 4:00:00 AM	1452 CHATTAHOOCHEE AV	252889		DRY	MAIN		
23180410101	CITY	Peachtree	CREEK	183	8/5/2004 3:59:00 PM	1452 CHATTAHOOCHEE AV	252556		DRY	MAIN		
23180410101	CITY	Peachtree	CREEK	1425	7/30/2004 3:00:00 PM	1452 CHATTAHOOCHEE AV	251909		DRY	MAIN		
23180410101	CITY	Peachtree	CREEK	1500	7/29/2004 3:48:00 PM	1452 CHATTAHOOCHEE AV	251716		DRY	MAIN		

Capacity limited pipe Report

- Highlight capacity limited pipe segments on the map
- Reports the information of selected pipe in popup window

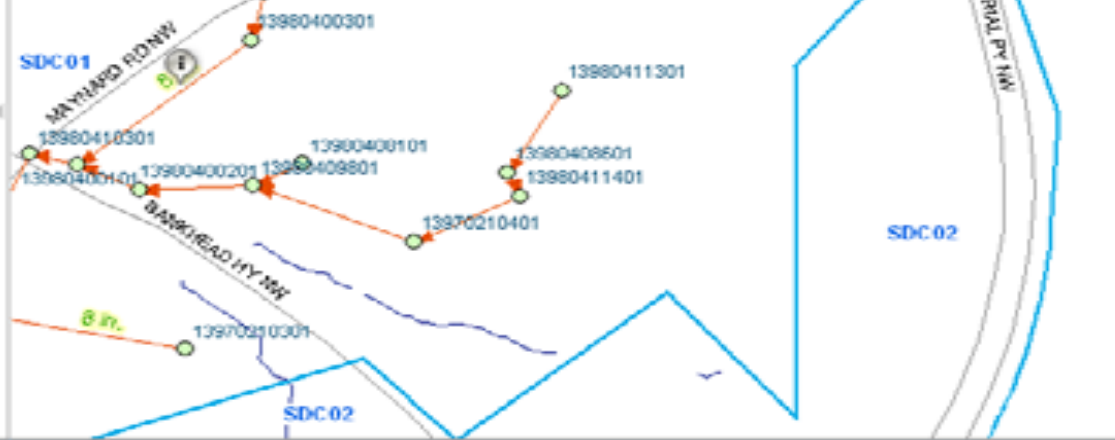


Pipe Information - Windows Internet Explorer

PipeId	Outfall Name	Negative Slope?	Available Capacity (MGD)
1398040030113980400101	MAYNARD RD OUTF	No	1.422785

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spill1: 23180412301	more...	<input type="checkbox"/>	
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spill3: 23180413201	more...	<input type="checkbox"/>	
spill4: 23180208801	more...	<input type="checkbox"/>	
spill5: 23180107001	more...	<input type="checkbox"/>	
spill6: 23180322901	more...	<input type="checkbox"/>	

Accept

Presented by

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gis.atlantawatershed.org