



IT Use with Snails

Giant African Land Snails (GALS)

Wayne Dixon
Florida Department of Agriculture and Consumer Services



Florida Department of Agriculture and Consumer Services • Adam H. Putnam, Commissioner

On 9/11/2011, a confirmed GALS snail was found in Miami-Dade county. We quickly mobilized our Emergency Response teams and began field surveying in the immediate area.

Needed a database to manage our data to win the fight.



Now have a central GALS database, which allows all data to be stored and reported.

Daily maps are updated based on the status of the properties in the GALS database.

GALS database is an Oracle database, with a web front-end for User screens.


We have all of Miami-Dade county properties (900,000) and GIS shapes loaded for use.

As new positive properties are confirmed by the labs, we can quickly generated new maps and update survey sheets (pre-pops)



GALS Database Dashboard





DASHBOARD

WELCOME, WASHINGTON (USER/ID), APPLICATION OF GRANT APPROX. LEAD TIME & EMERGENCY PROGRAM.
 YEAR: 1/27/2024 10:58:22AM - 10:57:55AM

WELCOME TO MATTHEW AND GALS, MANAGER.

YOUR PREFERRED BILLING BY TYPE IS: **MONTHLY BILLING**

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LEAD TIME PROGRAM					LEAD TIME EMERGENCY PROGRAM	
LEAD TIME	START DATE	END DATE	STATUS	APPROVAL	START DATE	END DATE
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024
1.21	01/27/2024	02/02/2024	APPROVED	APPROVED	01/27/2024	02/02/2024

GALS Property List



GALS
Gulfstream Agricultural Land System
1.08.2019

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WMT INFO

10 Tract(s) Search Results for user: GALS (GALS) Properties (Page: 10)

WMT STATUS: TRACK PROLONGATION PERIOD

Tract Name	Tract No. #	Acres	Block	Lot	Sub	Tract	Location of Tract(s) #	Lot Area of Tract #	Area #
WATERBURY TRACT	350	64.2733	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATERBURY TRACT	351	64.2734	99-11-0000001				99-11-0000001-10	99-11-0000001	699
WATSON L. HARRIS SR.	354	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	359	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON L. & DORIS DUBAK	371	64.3037	99-11-0000001				99-11-0000001-10	99-11-0000001	699
WATSON L. & DORIS DUBAK	375	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	386	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT COMPANY	345	64.3037	99-11-0000001				99-11-0000001-10	99-11-0000001	699
WATSON TRACT	346	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	347	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	348	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	349	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	352	64.3037	99-11-0000001				99-11-0000001-10	99-11-0000001	699
WATSON TRACT	353	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	355	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	356	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	357	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	358	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	359	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	360	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	361	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	362	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	363	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	364	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	365	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	366	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	367	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	368	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	369	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	370	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	371	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	372	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	373	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	374	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	375	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	376	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	377	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	378	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	379	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	380	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	381	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	382	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	383	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	384	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	385	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	386	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	387	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	388	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	389	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	390	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	391	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	392	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	393	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	394	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	395	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	396	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	397	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	398	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	399	64.3017	99-11-0000001				99-11-0000001-10	99-11-0000001	700
WATSON TRACT	400	64.3041	99-11-0000001				99-11-0000001-10	99-11-0000001	700

GALS Property History



GALS
FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

PROPERTY HISTORY

SITE: 201 08 21 01 (Map) 2014 (View) 1/1 (Details)

201 08 21 01 (Map) 2014 (View) 1/1 (Details)

Parcel Number	Owner	Acquired	Assessed	County	APN	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
201 08 21 01 00001	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00001	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00002	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00002	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00003	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00003	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00004	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00004	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00005	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00005	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00006	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00006	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00007	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00007	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00008	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00008	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00009	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00009	1	1	1	1	1	1	1	1	1	1
201 08 21 01 00010	FLORIDA STATE UNIVERSITY	2014	2014	FLORIDA	201 08 21 01 00010	1	1	1	1	1	1	1	1	1	1



GALS Prepop



GALS		GALS		GALS		GALS		GALS		GALS		GALS		GALS	
DATE	TIME	LOCATION	STATUS	DATE	TIME	LOCATION	STATUS	DATE	TIME	LOCATION	STATUS	DATE	TIME	LOCATION	STATUS
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P
01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P	01/15/2014	08:00 AM	14-0000000000	P

Add Samples | My Account | System provided by FQAS

ADDELETE SNAIL COUNT

Snail Count Add Location: 181 NW 48 ST Cas-2, G-421

Science Screen

Adding Snail Count for Year: 181 NW 48 ST for the date: 06/04/2014

WAT No.: 18124 VWDNK: 06/04/2014

ADULT

LIVE: Dead With Tissue:

JEWELLS

LIVE: Dead: Dead With Tissue:

BEHINDS

LIVE: Dead:

Total Snails: 0

Snail Count for: 181 NW 48 ST Delete

WAT No.	WAT No.	AC	AD	ADWT	J	JT	JWT	ML	MD	IL	TD	TOT
003AC24	18124											



GALS DAILY TALLY SHEET

6/4/2014

SCIENTIFIC OFFICER :
Dr. Mary Yong

Daily Report generated from GALS database

COGR-GRID	ADDRESS	CURRENT COLOR ALERT LEVEL	ADULTS		JUVENILE		HEBONATE		TOTALS		
			> 40 MM		21-39 MM		0-30 MM		TOTAL	TOTAL	TOTAL
			ADULT LIVE	ADULT DEAD	JUVENILE LIVE	JUVENILE DEAD	HEBONATE LIVE	HEBONATE DEAD	LIVE	DEAD	TOTAL
1(26)	3338 SW 25 TER	YELLOW	0	1	0	1	0	0	0	2	2
2(21)	120 SW 49 ST	RED	0	0	0	8	0	0	0	8	8
2(21)	148 SW 48 ST	RED	0	0	0	1	0	0	0	1	1
2(21)	157 SW 48 ST	RED	0	0	0	1	0	0	0	1	1
2(21)	170 SW 49 ST	RED	0	1	0	0	0	0	0	1	1
2(21)	180 SW 49 ST	RED	0	1	0	0	0	0	0	1	1
2(22)	242 SW 45 ST	RED	0	0	0	1	0	0	0	1	1
2(22)	166 SW 48 ST	RED	0	0	0	1	0	0	0	1	1
2(22)	174 SW 48 ST	RED	0	1	0	2	0	0	0	3	3
2(22)	4796 SW 2 AVE	RED	0	0	0	1	0	0	0	1	1
2(23)	108 SW 47 TER	RED	1	2	0	0	0	0	0	1	3
2(23)	254 SW 47 TER	RED	0	0	0	1	0	0	0	1	1
2(23)	144 SW 47 TER	RED	0	1	0	3	0	0	0	4	4
12(27)	13010 SW 256 ST	RED	0	1	0	0	0	0	0	1	1
12(22)	11840 SW 46 ST	RED	0	0	0	2	0	0	0	2	2
TOTAL:			1	6	0	19	0	0	1	27	29

Printed JUN-05-14
06:14:37:39



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Mobile Evaluation – Application Approach

DPI – FL Department of Agriculture & Consumer Services
Division of Plant Industry (DPI)

Mission – to protect Florida’s native and commercially grown plants and the state’s apiary industry from harmful pests and diseases

Workforce – 350+ field inspectors
Nursery, Stock Dealers, Fruit Fly Detection, Detector Dog, Protocol, Citrus Health, Giant African Land Snail, Apiary, Cooperative Agricultural Pest Survey, Methods



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History



PDA history – 2003 implemented 350+ PDA's for Citrus Canker residential inspections

DPI & USDA folks collectively did multi-million surveys over 5 years on PDA's

Training done statewide in 2.5 hr training sessions, hands-on and with work samples

200 records -> transferred in 10 seconds

4,000 transactions/day uploaded to Oracle PICS database

Looking to use same approach where off-line needed, export from back-end database, export file, use on mobile devices



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Mobile Evaluation within DPI

- Smart Phones – display screen too small, poor visibility in sunlight
- iPads – rigid development environment, doesn't work well in sunlight, pricey
- Netbooks – heavy, needs work surface for keyboarding, old technology
- Tablets – 10", 7" – preferred for easy interaction



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Current Status

- Purchased 30 devices for development
- Verizon LTE access to GALS database
- Able to display maps with no issues





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Back
TEAM ASSIGNMENT

EXISTING BUS TEAMS :

X Delete

Team Name	Employee Name	check all updates
BRAVO-1	ACOSTA, ALEXIS	⌵
BRAVO-1	MAREDOY, NAVEEN	⌵
BRAVO-1	ACOSTA, DENISE	⌵





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NEW TEAM ACCESS

Core-Grid Access for BRAVO-1 Choose ZGrids

Core-Grid Access for BRAVO-2 Choose ZGrids

Core-Grid Access for BRAVO-3 Choose ZGrids

Save

EXISTING CORE-GRID ACCESS TO TEAMS: Delete

Team Name	Core-Grid	Action
BRAVO-1	Z-Z00	[icon]
BRAVO-1	Z-Z01	[icon]
BRAVO-1	Z-Z02	[icon]

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YOU ARE NOW ACCESSING : 3-28 | VISIT DATE 06 JUN 14

ID	DWR NAME	IMO	ST NAME	PIR	WAVES	STATUS
	JOHN H JOHNSON JR & W OWENDOULT	843	NW 4 AVE		(M4-1)	
	DYN SOLOMON	843	NW 4 AVE		(M4-1)	
	CONCRETE INC BUILDERS INC	848	NW 5 AVE		(M4-1)	
	BANK OF NEW YORK TRU	841	NW 5 AVE	PIR	(M4-1)	
	LOUIS R PEREZ, OUIS AW MARIE	843	NW 5 AVE			TI-RO
	CARLOS ALBERTO RODRIGUEZ	841	NW 5 AVE	P	(M4-1)	YELLOW
	NACHOVA NINA FEB	844	NW 5 AVE		(M4-1)	
	JUNTA LUGER	848	NW 5 AVE		(M4-1)	
	JUDITH WARTCOVICH	847	NW 5 AVE		(M4-1)	
	SANTAGO LOZANO	426	NW 34 ST		(M4-1)	
	SANTAGO LOZANO & W BLANCA	426	NW 34 ST		(M4-1)	
	FRANKLIN PEREZ	446	NW 34 ST		(1), (M4-1)	
	HENRI L & EVA R BACA (TRU)	886	NW 34 ST		(M4-1)	
	GEORGE'S LIGHT &	891	NW 34 ST		(M4-1)	

M4-1-METALDEHYDE, S-SLUGGO, P-POSITIVE, R-REFUSED, S-SURVEYED, FYO-FRONT YARD ONLY; TREATMENT TYPES: S-SLUGGO, N-NBAH, B-BUG GETA, F-BLUG FEET, D-DURHAM, DL-DEADLINE; SURVEY AND TREATMENT CYCLE: RED-14 DAYS, GRAY-14 DAYS, YELLOW-30 DAYS; SURVEY ONLY CYCLE: GREEN-08 DAYS, BLUE-180 DAYS, ERADICATED, NO SURVEY PURPLE



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YOU ARE NOW ACCESSING : 3:28 | VISIT DATE: 06-JUN-14

ID	OWN NAME	APNO	ST NAME	P/R	WAVER	STATUS
	JOHN H JOHNSON JR & W GRENDOLYN	5422	NW 4 AVE		(M)-1	
	DEK SOLORSON	5430	NW 4 AVE		(M)-1	
	CONSTRUCTIVE BUILDERS INC	5440	NW 4 AVE		(M)-1	
	BANK OF NEW YORK TRS	5421	NW 3 AVE	P,R	(M)-1	
	LOUIS M PIERRE-LOUIS & W MARIE	5422	NW 3 AVE			TR-2
	CARLOS ALBERTO RODRIGUEZ	5431	NW 3 AVE	P	(M)-1	YELLOW
	WACHOVA MTG FIB				(M)-1	
	ANITA LUCSEN				(M)-1	
	JUDITH WARTCOVICH				(M)-1	
	SANTIAGO LOZANO				(M)-1	
	SANTIAGO LOZANO & W BLANCA	435	NW 54 ST		(M)-1	
	FRANKLIN PERRE	445	NW 54 ST		(T),(M)-1	
	HENRY L & EVA B BACKI (TRS)	435	NW 54 ST		(M)-1	
	GEORGE'S LESERT &	537	NW 54 ST		(M)-1	



VISIT HISTORY				
VISIT DATE	TEAM NAME	REASON	TREATMENTS	SNAILS
01/18/2013	NOT AVAILABLE	SURVEY,CONTROL	(SG)-0.200000003	
03/21/2013	NOT AVAILABLE	SURVEY,CONTROL	(SG)-3	
04/27/2012	NOT AVAILABLE	SURVEY	-	
06/19/2012	NOT AVAILABLE	SURVEY	-	
07/12/2012	NOT AVAILABLE	SURVEY	-	
08/11/2012	NOT AVAILABLE	SURVEY	-	
10/10/2012	NOT AVAILABLE	SURVEY	-	
10/16/2011	NOT AVAILABLE	SURVEY	-	
12/20/2012	NOT AVAILABLE	SURVEY,CONTROL	-	



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Last Date of Treatment
 02/26/2013(S)
 03/21/2013(N)
 Last Date of Survey
 Special Instructions

More detail about a Property available to the crews.

Last Date of Treatment
 Last Date of Survey
 03/21/2013
 Special Instructions

Last Date of Treatment
 Last Date of Survey
 Special Instructions
 SI-PER PROGRAM
 DIRECTOR. ABANDONED.--
 PER PROGRAM DIRECTOR.
 ABANDONED.



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VISIT ADD
Home

VISIT REASONS :

VISIT OUTCOMES

SMALLS FOUND ?

FID ? (PREVIOUS FID # ?)

SPECIAL NEEDS

BAD DOG
CALL BEFORE
CREOLE TRANSLATOR
DEBRIS/KOWING NEEDED
EVENING ONLY
HOSTILE SITUATION
LOCKED GATE
MORNING ONLY

PID REQUIRED
SATURDAY ONLY
SPANISH TRANSLATOR
SUNDAY ONLY
TREAT ANYTIME
VACANT/ABANDONED PROPERTY

TREATMENTS

DEBRIS DONE ?

COMMENTS

ADHOC MEMBERS 0

SAVE

RESET



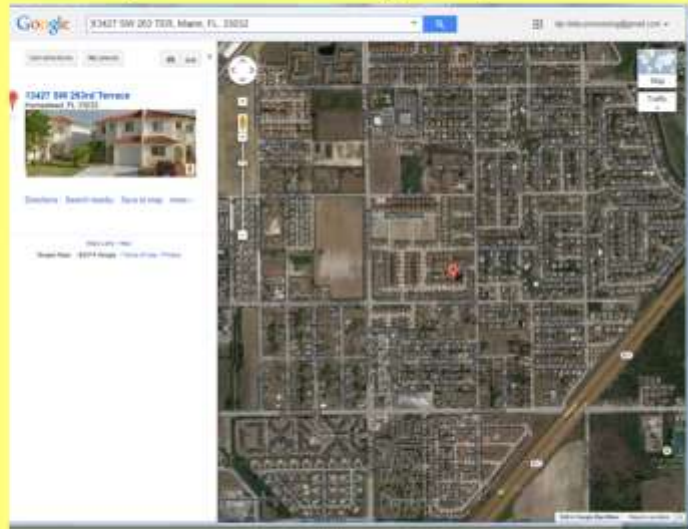

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Z Grid Map



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Map Location – Google map



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Interactive Map Project



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GALS Project

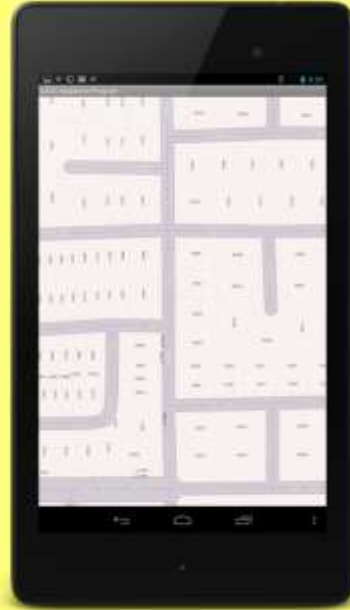
- Can zoom in to get streets visible
- Can 'pinch & zoom' to change display
- Can swipe to move around



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GALS Project

- Can zoom in further to get House numbers visible
- Can 'pinch & zoom' to change display
- Can swipe to move around



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Reports (screen shots)

Sample output of reports – 1 of over 21+ reports available in PDF or XLS formats

DAILY ACTIVITY REPORT 07/21/2014

CORS TRAM NAME	POSITIVE		ACTION TAKEN		DEBRIS			SNAIL COUNT							
	P	MP	SURVEY	CONTROL	BAGS	AL	AD	UL	UD	NL	ND	T L	T D	T L D	
1 CHARLIE	5	0	20	20	0	0	0	0	0	0	0	0	0	0	
2 DELTA	9	0	15	15	2	7	0	1	0	7	0	2	0	10	
3 INDIA	9	0	10	0	18	39	0	0	0	0	0	0	0	0	
5 BRAVO	12	0	22	22	0	0	0	0	0	0	0	0	0	0	
10 ALPHA	8	0	16	16	0	0	0	0	0	0	0	0	0	0	
12 GOLF	3	0	5	5	0	0	0	1	0	0	0	0	0	1	
13 KILO-9	1	0	1	0	0	0	0	0	0	0	0	0	0	0	
11 CHARLIE	3	0	10	9	0	0	0	0	0	0	0	0	0	0	
Total:	54	0	99	87	12	46	0	2	0	7	0	2	0	11	



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Maps — over 1,881+ maps updated daily,
other only upon request

Public Relations Map →

Z-Grid Map



Maps(screen shots) cont'd

Treatment Map →

Color Alert Map



Other items available via Tablets:

- Videos
- Photos/Email/GPS



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Why Nexus 7 LTE devices

- Size – ease of use outdoors
- Price point \$400 (device, case, carry accessories)
- Android – Jelly Bean 4.3+
- Quad processor – Snapdragon S4 Pro, 1.5GHz, 2GB RAM
- 32GB (w/ air card-\$349)
- On-board GPS
- 2 Camera (rear 5MP, front 1.2MP)
- Video – HD display 1080p
- HDMI output port, 2 speakers
- Wireless charging
- Google Earth
- Brighter display for outdoors use
- Bluetooth/Wi-Fi enabled, internal aircard (Verizon or AT&T)
- KingSoft – MS Office (create, edit) – Word, Excel, PowerPoint



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Continued efforts:

- Tablet deployment
- PIO screen
- Interactive Maps
- Regulatory screen – Solid Waste, Illegal Dump Sites, Lawn Maintenance, Nursery/Stock Dealers





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