

Technology to Improve Logistics Decisions

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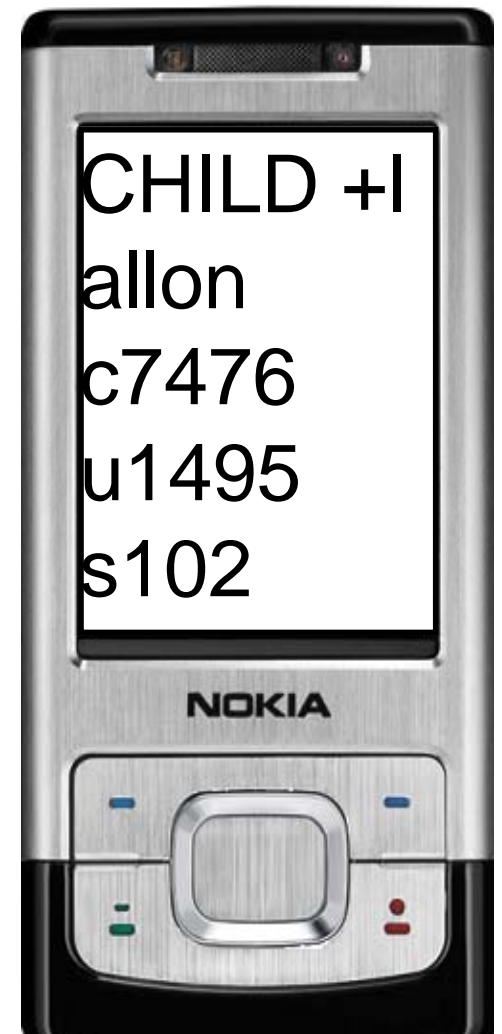
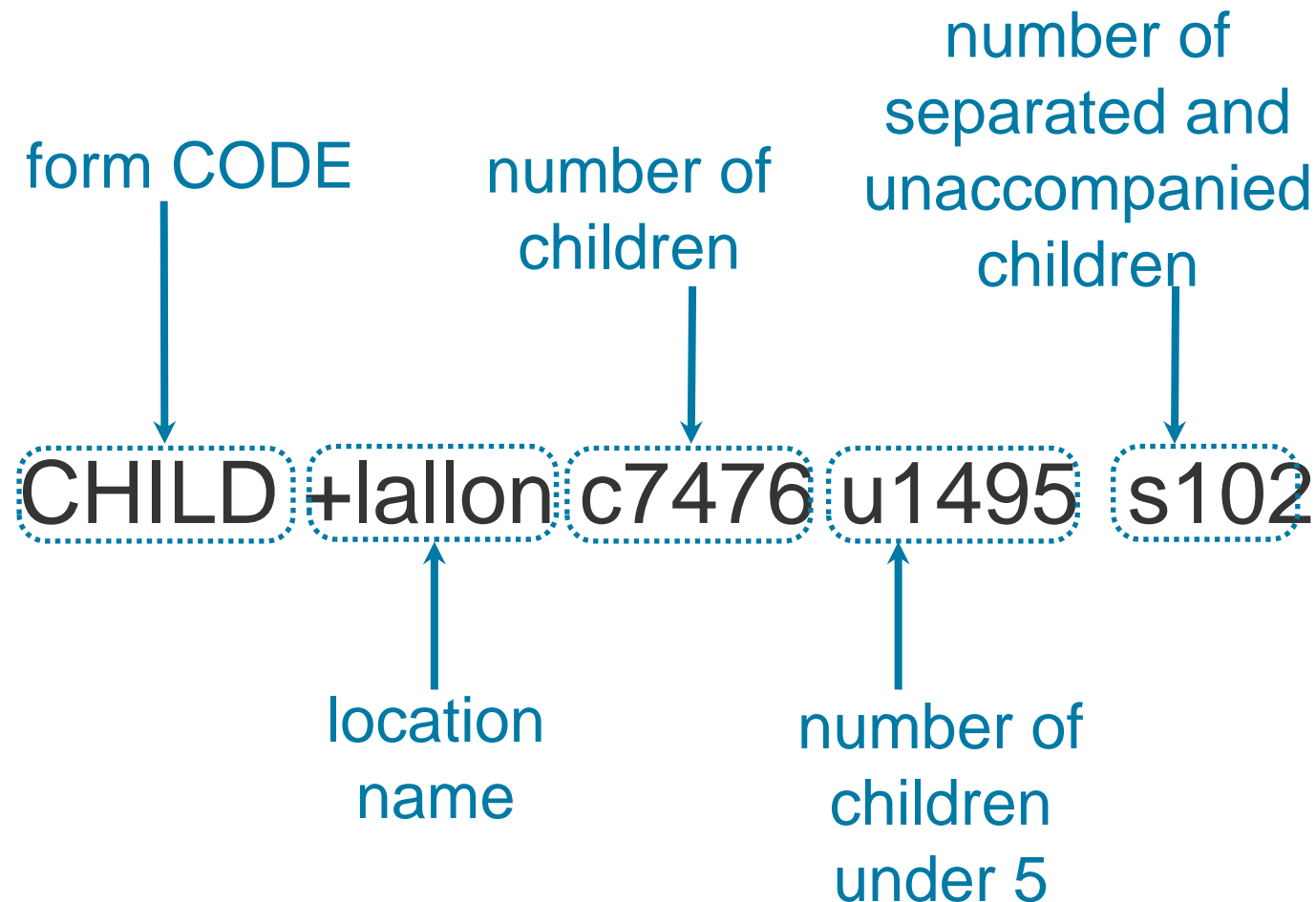
Georgia Tech **ISyE**
H. Milton Stewart School of
Industrial and Systems Engineering

Rapid**SMS** 

Information for Action



RapidSMS example form about children

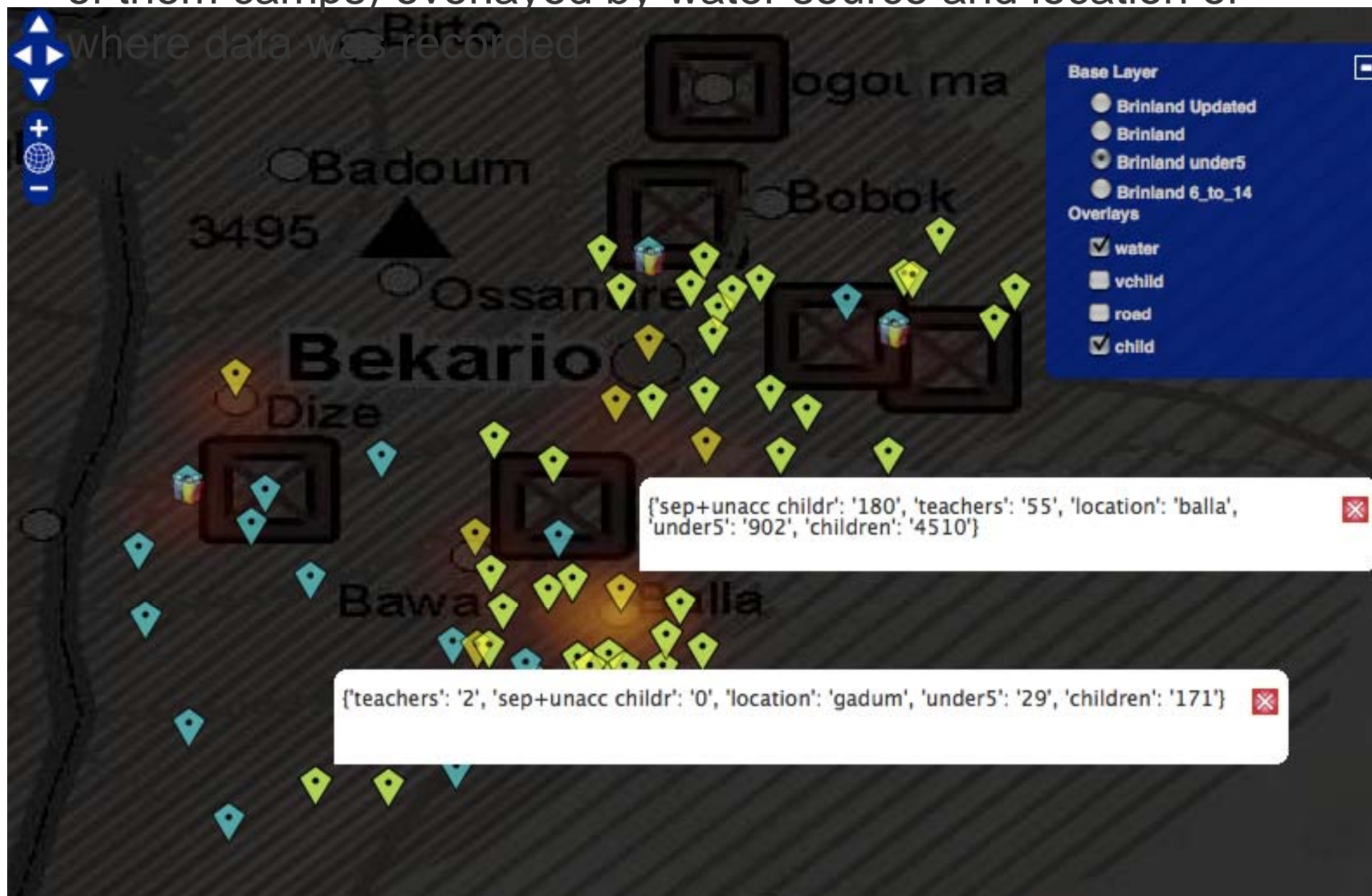


SMS monitor gets back:

CHILD: Allon, 7476 children,
1495 children under 5, 102
separated or unaccompanied.
Thank you for your data!



Density Map of Children under 5 on data from 56 locations (3 of them camps) overlaid by water source and location of



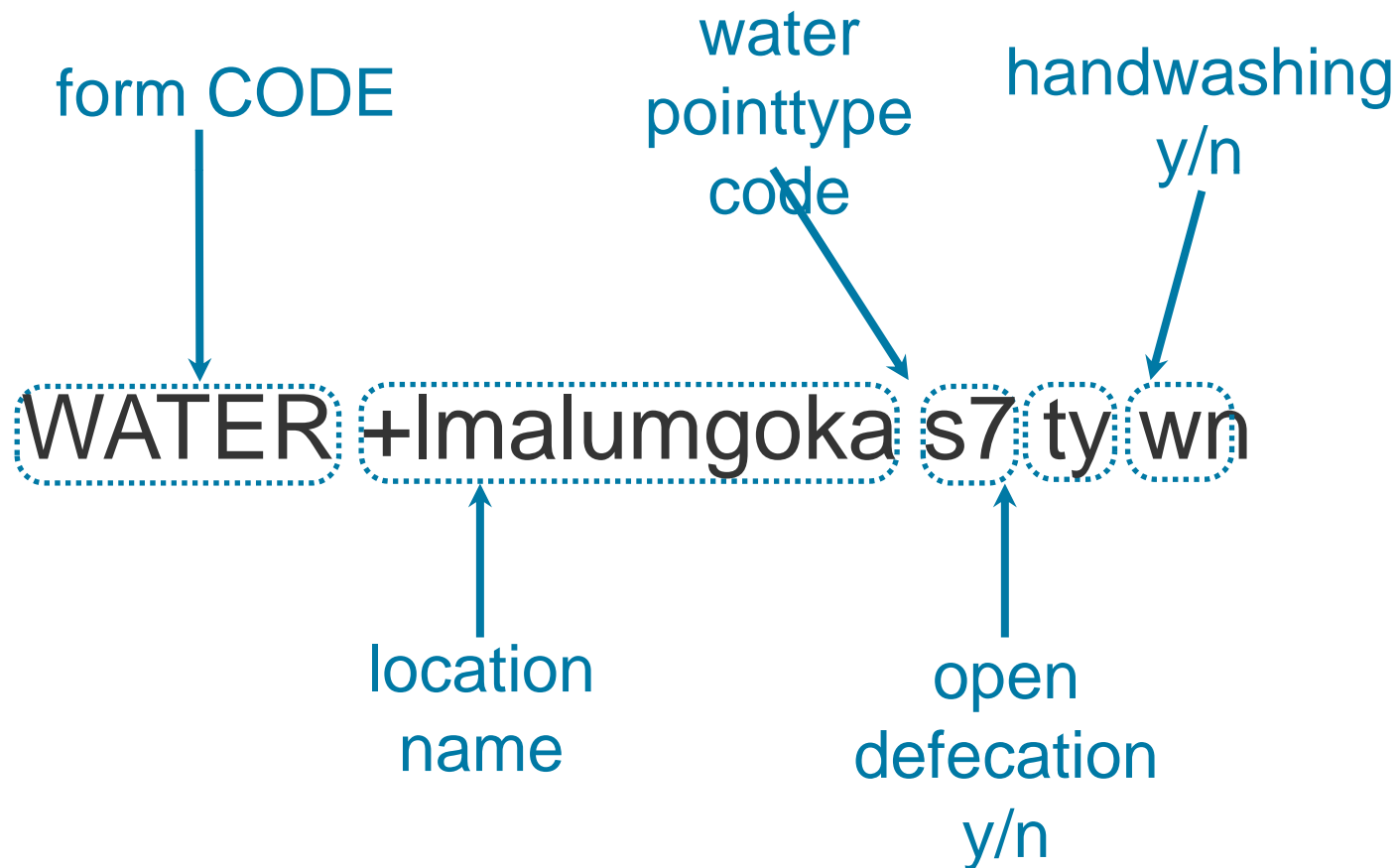
Designing a WASH rapid assessment form for RapidSMS

Must know info: location, type of water source
and risky behavior (**open defecation** and **lack
of handwashing**)

Type of Water Source

- 1 **Open Well**
- 2 Closed Well
- 3 **River**
- 4 Piped Spring
- 7 **Open Spring**
- 8 Other

RapidSMS example form about WASH



WASH Risk Factors

total number of children
score

X

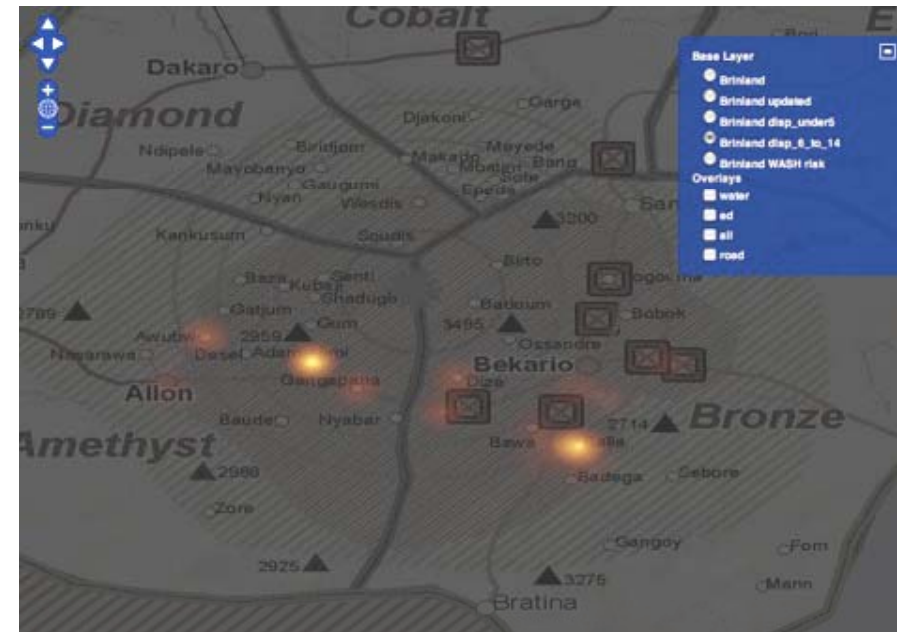
WASH risk



- + 1 for open water sources
- + 1 for open defecation
- +1 for lack of handwashing

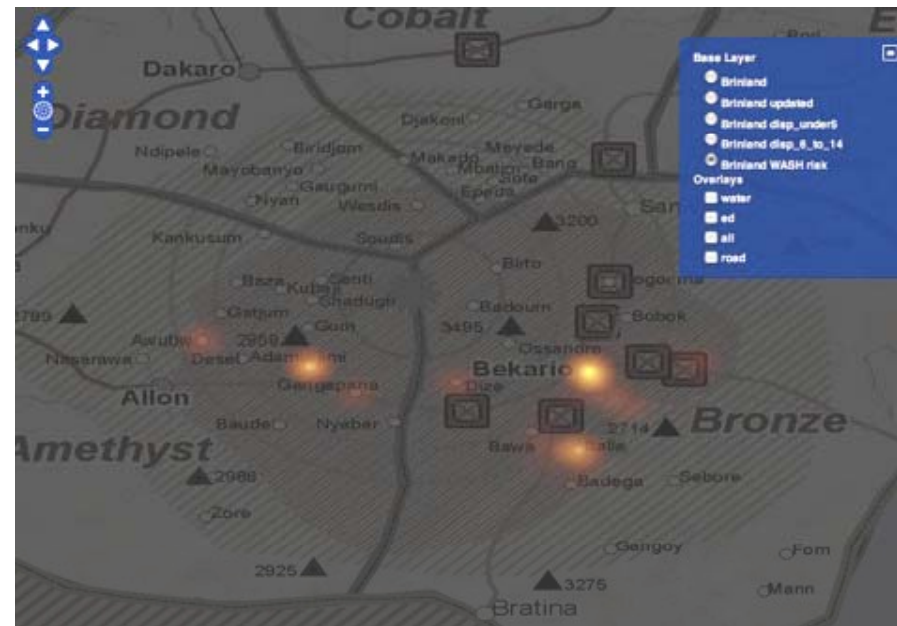
total number of
children

(under 5 map
overlaid on 6-14 yr
map)

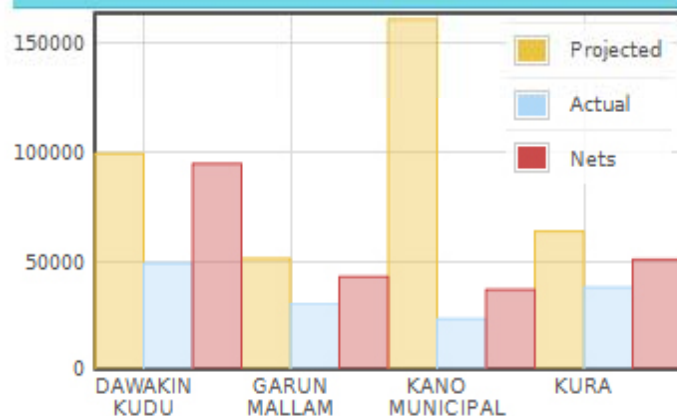


total number of
children

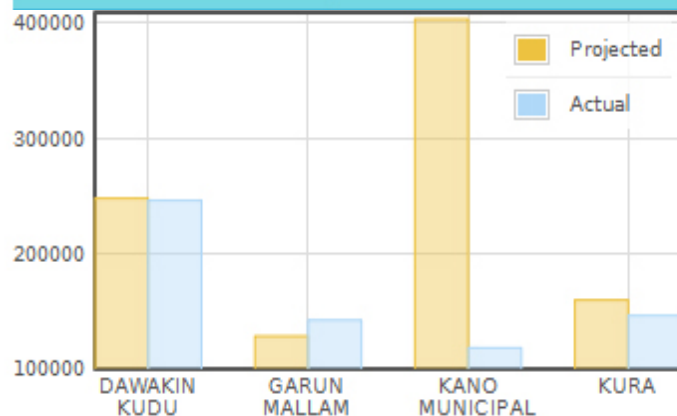
(weighted for
WASH risk factor
score)



Mobilization and Net Distribution Summaries



Beneficiaries Summary



Daily Distribution Progress

Date	Day	Reports	Net Cards	Beneficiaries
04/05	1	61 31%	6828 1%	34659 3%
05/05	2	133 69%	34258 9%	137562 14%
06/05	3	91 47%	24557 6%	107781 11%
07/05	4	43 22%	16804 4%	86083 9%
08/05	5	76 39%	22231 5%	100605 10%
09/05	6	39 20%	12123 3%	71061 7%
10/05	7	16 8%	2810 0%	11187 1%
11/05	8	6 3%	1970 0%	9851 1%
12/05	9	19 9%	10671 2%	56352 6%
13/05	10	15 7%	6649 1%	35428 3%
14/05	11	2 1%	236 0%	1548 0%
15/05	12	2 1%	1400 0%	0 0%
16/05	13	1 0%	0 0%	800 0%
17/05	14	0 0%	0 0%	0 0%
Total			141773	652919
% of projected demand			37%	69%

Quick Totals

346
Reporters

226
Active Locations

232
Stock Transfers

506
Net Card Reports

141773
Net Cards Distributed

