#### Reunite our Story of the lonely cones

# Simple survey to the complete solution



### **Story of the Lonely Cones**

Humble traffic cones are sometimes forgotten, left behind, or separated from their herd.



Auckland 🖑

l ranspo An Auckland Council Organisa Traffic cone on top of Sky Tower







It's unclear how the cone got there or who is responsible but it appears to be a marketing

f 🔽 🕑 🔳

An orange traffic cone appeared on top of the Auckland Sky Tower early today.

NZ Herald

4 Sep. 2009 12:28pr

The cone on top of the Sky Tower today. Photo / James Rattray

## **Lonely Cones : Drivers**

- 1. Single cones are a nuisance
- 2. In the Auckland region its estimated there is a cone every 1.5km
- 3. It is perceived cones are the responsibility of AT resulting in 60 + calls a month for abandoned cones to be picked up even though they have their owners branding.
- 4. Lonely cones lessen the impact of their working counterparts.
- 5. Older cones can be recycled in NZ





## **Lonely Cones : Key Questions**

Can lonely cones be reunited with their friends?

# Will the community help us locate lonely cones?

# How can we (AT) engage with the community to report the lonely cones?





### The Reunite Our Cones Campaign

AT initiated a "proof of concept" project to locate the missing cones.

**Based on** 

#### **Community participation**

Where

Members of the public will report the misplaced / left behind cones to AT using "some kind of interface"





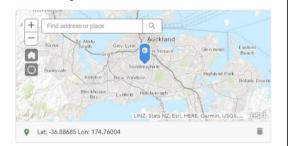
## The Reunite Our Cones Campaign

AT-GIS was tasked to provide "some kind of interface" where members of the community can mark lonely cone location(s).

#### **Accepted Solution:**

Survey 123





#### Other location details

Any other information that will help us reunite this cone e.g. address, landmarks, it's up a tree!

How many cones found



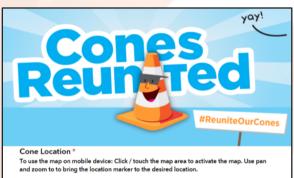


### **The Survey**

#### ESRI Survey 123: Web Template based survey

- A simple 4 point survey to capture;
- location
- count
- Image(s)
- additional notes

The surveywasembedded intheATcampaign page.





#### Other location details Any other information that will help us reunite this cone e.g. address, landmarks, it's uptree!

How many cones found





#### Use of the survey data

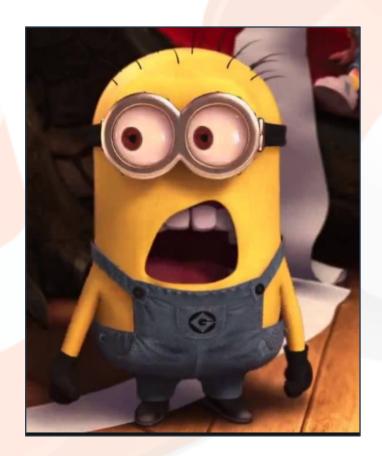
#### **AT GIS**

"How are you going to use the data collected through the survey?" **Client (AT Internal)** 

"Ummm! We will download them to CSV and send it to the owners of the cones to collect them."









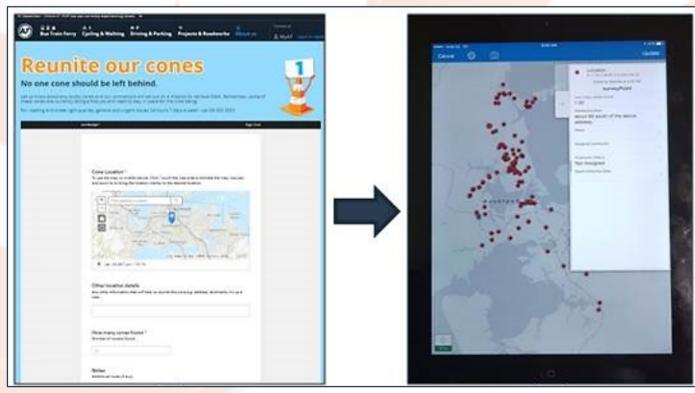
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AY Gis



### What if...

# AT GIS provides a mobile solution where cone owners could find their cones and mark them as 'found'?





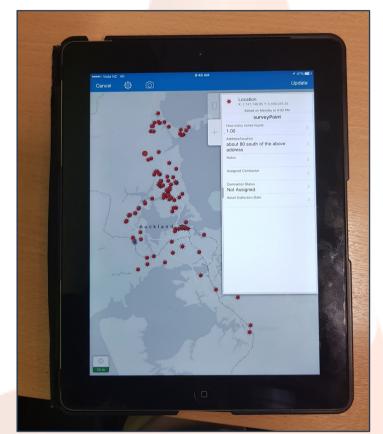
10



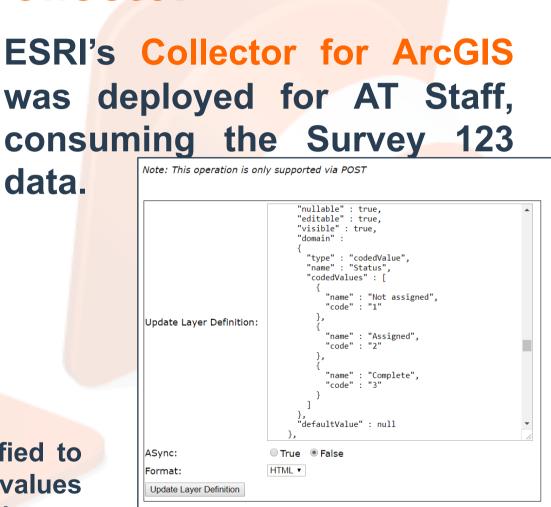








The feature service was modified to by adding fields and domain values for cone collection record keeping.



Collector











#### Absolutely Not – well not yet

#### **AT GIS**

"How will managers view the progress of cone reporting and cone collection progress?" **Client (AT Internal)** 

"Ummm!... well..

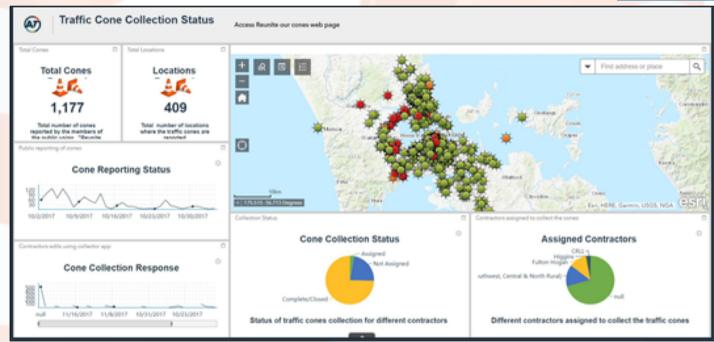
CSVs?"





### **The Dashboard Viewer**

#### AT GIS proposed a dashboard themed viewer



The ESRI WAB App was configured to access and display the reported cones and collected cones statistics.





## **The Dashboard Viewer**

# Additional edit and query widgets are configured in

the app.

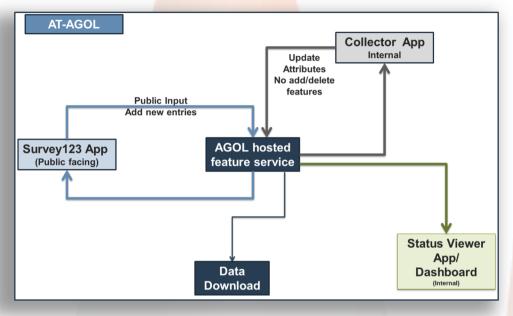
Traffic Cone	e Collection Status	Access Reuni	te our cones web page			
Total Cones 🛛	Total Locations					
Total Cones	Locations	+ @ -	Edit		×	Find address or place Q
1,177	409		AT Cone Reporting Application	69		Coromande
Total number of cones reported by the members of the public using "Reunite	Total number of locations where the traffic cones are reported		Address	In the water		
Public reporting of cones		Collecti	Notes Assigned Contractor Contractor Status Asset Collection Date	Assigned Not Assigned Assigned Complete/Closed		Orere Tatrice
Contractors edits using collector app				Complete/Closed		Contractors
Cone Collection Response		243 -3		4 \$	summers, seminar ceritorium naminy	N N
null 11/16/2017 11/8/20	017 10/31/2017 10/23/2017	Status	Complete/Closed	r different contractors	Different contractors assig	null

AT Managers can access the app, query the data and assign the cones to the associated contractor to pick up.





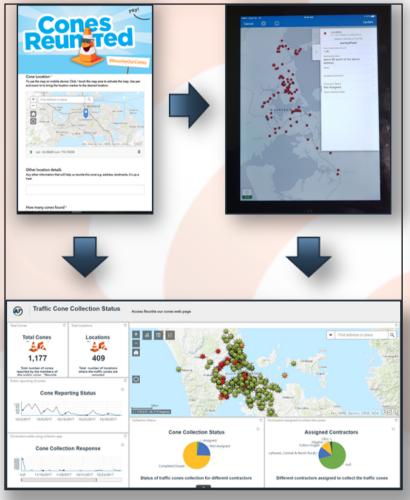
## **Implementation Model**



**Key Components** 

- ArcGIS online
- Survey123
- Collector for ArcGIS
- ESRI Web App Builder







#### **Road Ahead**

- The pilot project ended in December 2017
- The proof of concept raised great lessons, a new project to implement 'Lonely cones – the next generation' is awaiting business case approval... watch this space



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# Questions





# **Thank You**



