

USE OF AN IRIS COMPATIBLE MOBILE DEVICE FOR FARM DAIRY INSPECTIONS



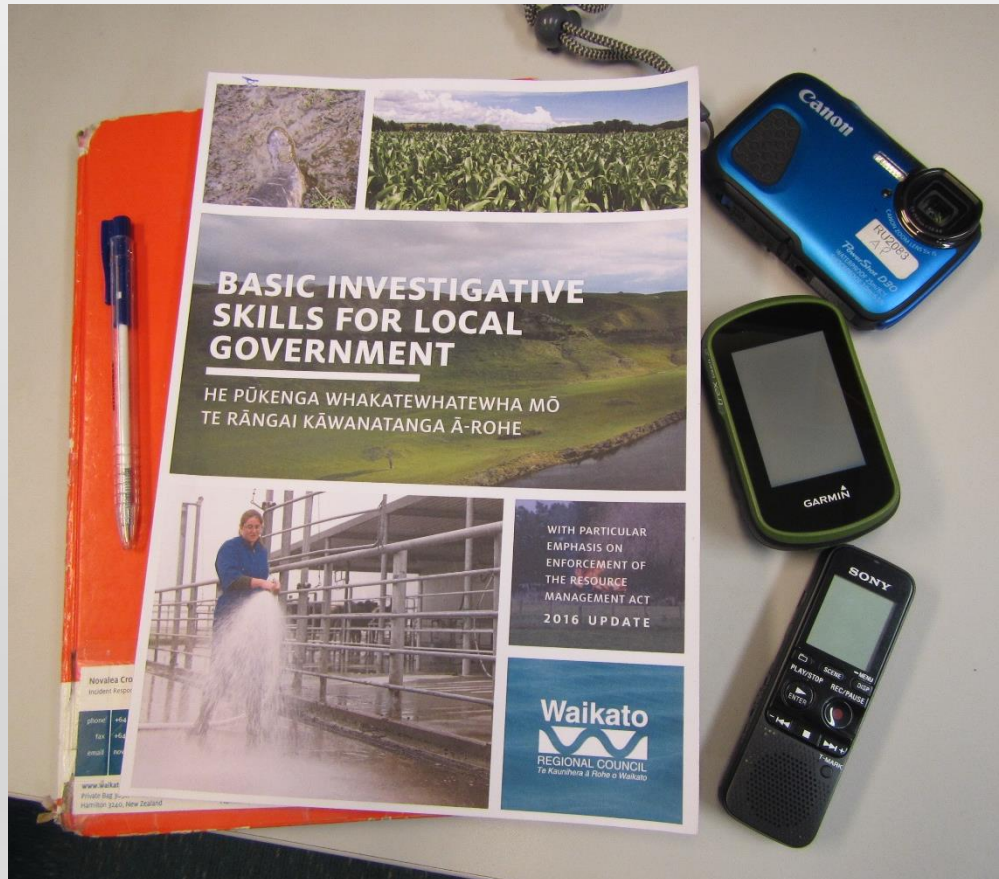
Compliance Conference 2016
Jonno Gauntlett and Ryan Morrison

INTRODUCTION

A photograph of a large herd of black and white cows, likely Friesians, gathered in a grassy field. Some cows are standing near a body of water on the right, while others are in the foreground. The background shows a line of trees and a clear sky.

- Farm dairy effluent monitoring
- What we were doing
- Aim of the project
- How the project was developed
- What this now means for field staff
- What were the challenges and successes

WHAT WE WERE DOING...



- Paper checklists for information collection on property
- Double handling
- Phone, Camera, GPS
- Reporting on compliance by creating letters
- Copy-paste from a knowledge base document

AIM OF THE PROJECT...

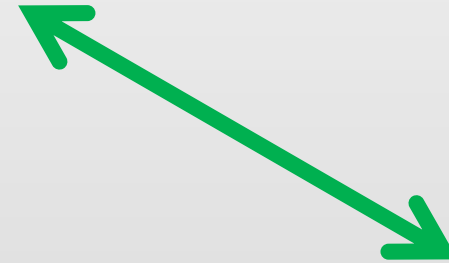
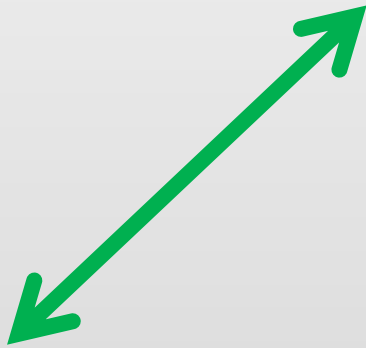
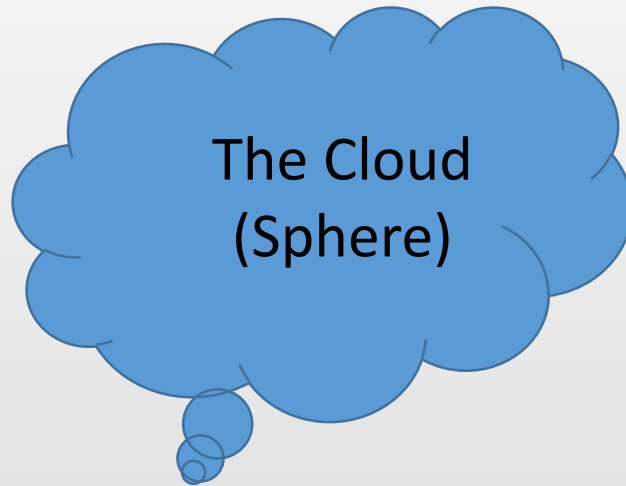
- Customer centric initiative
- Improve consistency and timeliness in compliance letters
- Improve the recording of information in IRIS
- Reduce the double handling of information
- Broadly capture the 75% of compliance situations



HOW WAS THE PROJECT DEVELOPED

- Datacom - developers of IRIS and Sphere
- Synchronise to IRIS
- Appropriate device
- Electronic survey form to link to IRIS observation
- A set of rules to generate compliance letters
- Survey responses and observations generate the letter content





WHAT THIS NOW MEANS...



- Focus on mobile devices
- iPhones, use of camera
- Reduces the amount of paperwork
- Connect better with customers
- Consistent message
- Effective and efficient

IRIS interface – mobile inspector

- Within the regime activity
- Schedule monitoring activity
- Setup mobile inspection
- Add mobile inspector





Mobile Inspection? ☒

* Mobile Inspector Jonno Gauntlett

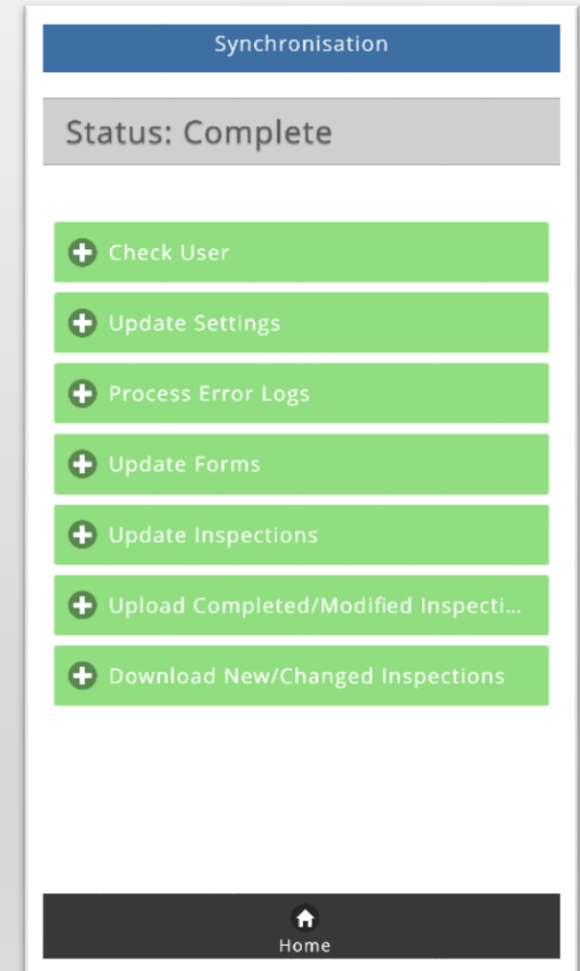
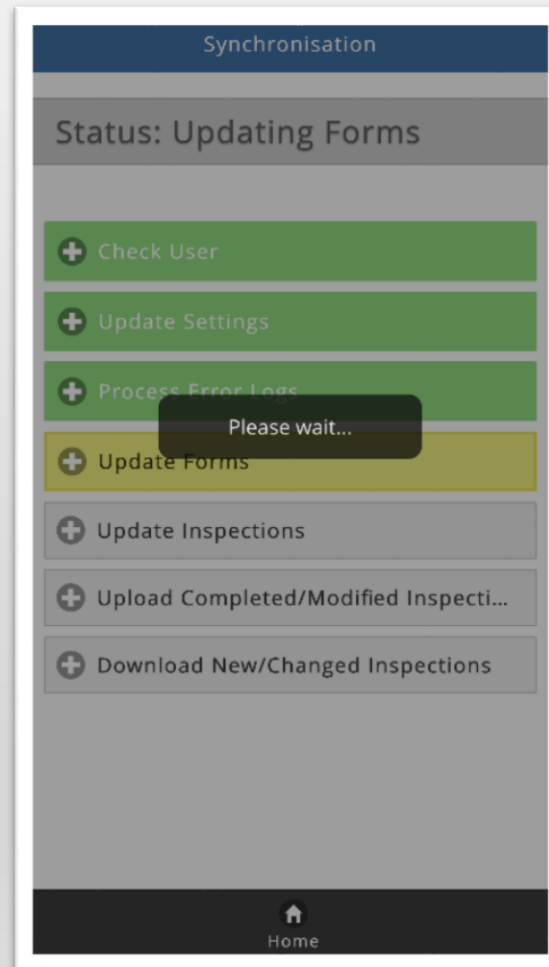
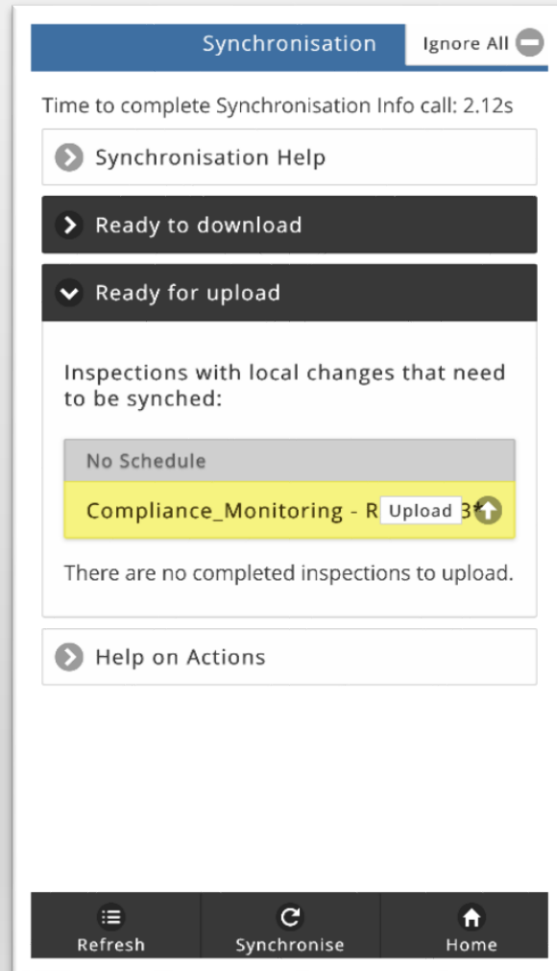
* From 01/07/2016

* To 30/06/2017

* Target Dates

Authorisations						Add
Name	IRIS ID	Status	Conditions Monitored	Compliance Status		
To take groundwater	AUTH133802.01.01	Current	11/13		 	Edit
Effluent Discharge - Lake Rd - Taupiri (Fonterra 72137)	AUTH117128.01.01	Current	0/17		 	Edit

Synchronise to Sphere



Select and complete information

Inspections

Calendar

List 4

Map

Complete

Authorisation IRIS ID
AUTH200928.01.01

(no schedule) RA217043

Compliance_Monitoring

Regime Activity Name
2016/17: Dairy Farm : Rawhiti Rd, Te Aroha (

Authorisation Name
Effluent Discharge - Rawhiti Road - T1 of 1 a

Contact
Macken Farm Limited
Authorisation IRIS ID
AUTH200928.01.01

(no schedule) RA215275

Compliance_Monitoring

Regime Activity Name
2016/17: Dairy Farm : Bell Rd - Mangatawhiri

Authorisation Name
Effluent Discharge - Bell Rd - Mangat1 of 1

Contact
Marphona Farms Limited
Authorisation IRIS ID
AUTH101596.01.01

Synchronisation

New Inspection



(no time)

Inspection

Info

Attachments

Create Compliance Monitoring Inspection

Ryan Morrison

AUTH101596.01.01 | Effluent Discharge - Bell Rd - Mangatawhiri

Regime Activity Name
2016/17: Dairy Farm : Bell Rd - Mangatawhiri (Fon

Authorisation Name
Effluent Discharge - Bell Rd - Mangatawhiri

Contact
Marphona Farms Limited

Authorisation IRIS ID
AUTH101596.01.01

Inspection Date *



Dairy Farm Survey Details

Warrant Shown

Yes

No

Notice of inspection

Contact made before inspection?

More than 48hrs

24 - 48hrs

Less than 24hrs

No

Number of Cows

Effective Area (ha)

Milking Frequency

Once a day

Twice a day

Winter Milking

Yes

No

Complete and synchronise to IRIS

Evidence

Compliance Status Reasoning

Action Required

Risk of Future Non-compliance

High

Low

Medium

Risk Reasoning

+ Further Actions

✓ Complete

← Save and Exit



Dairy Farm Survey Details

Warrant Shown

Yes

Contact made before inspection?

24 - 48hrs

Number of Cows

200

Effective Area (ha)

118

Milking Frequency

Twice a day

Winter Milking

Yes

Winter Off Site

No

Supplementary Feed

Sourced from farm only

Nutrient Management Plan

Unknown

Effluent Irrigation Area (ha)

20

Primary Effluent Irrigation Type

Traveller

Secondary Effluent Irrigation Type

Effluent Irrigation Depth (mm)

Storm Water Diversion

Yes

Storage Type

Sump only

5.12.15.0.1

CHALLENGES

- Time spent by IT building the interaction
- Develop a rule set for the template
- Limitations of the software
- Working with IRIS as it is
- Keeping this relevant
- Addressing the 25%



SUCCESS

- IT resources contributed to the success
- Reduces the burden of the paperwork
- Timeliness
- Control on the messaging and consistent approach to communications
- Successfully tackles the 75%



Video

WHERE TO FROM HERE...

- GPS capture
- Sync photos
- Making this relevant for other monitoring tasks
- Continually improving the process



HE TAIAO MAURIORA

HEALTHY ENVIRONMENT

HE ŌHANGA PAKARI

STRONG ECONOMY

HE HAPORI HIHIRI

VIBRANT COMMUNITIES