

# Inspection Frequency, Have you got it right?

Willy Silcock

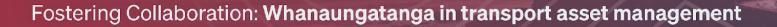




## Introduction

- Background
- Catchpit inspections
- What the data tells us
- Where to next?

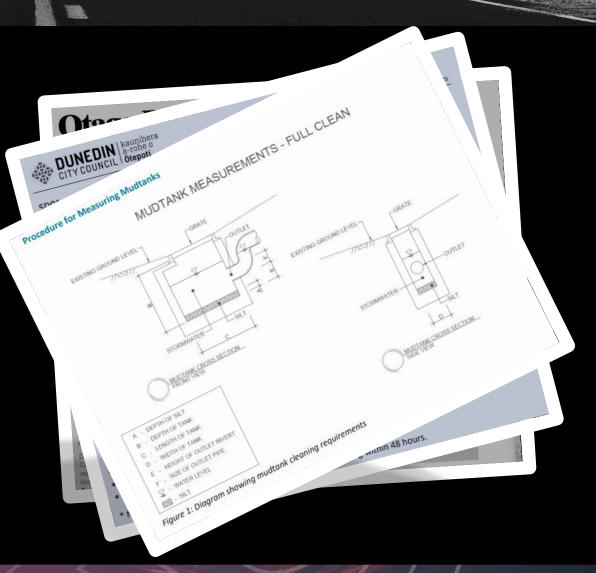






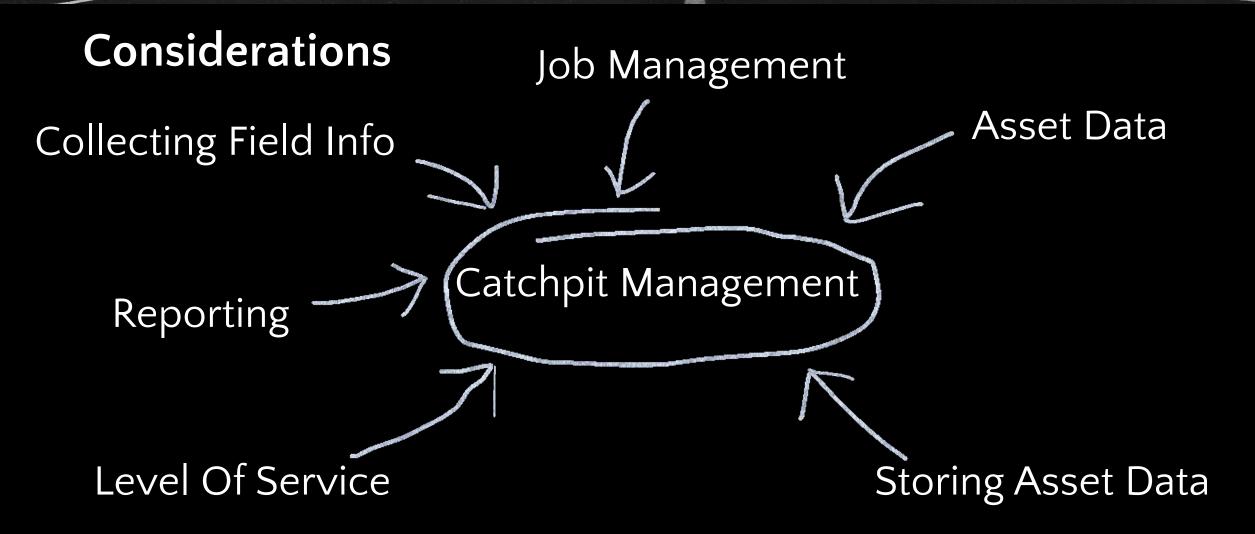
## Background

- Failings of the past
- Level of service
- Inspection methodology
- How to manage this?











۲	Catchp	it (Classic)				_ = × @	Catchpit (Classic) #17213	- 2856	_ >
C Refresh	⊕ Add	Columns Groups Filter	± ₩ ↔ ↓ Export Bulk Change Bulk Replace Settin			Q 🤨 🌐	C ⊟ ∽ ඕ ↔ Refresh Save Undo Delete Replac	명 🐼 Å ce Duplicate Add Inspection Schematics	Action
	0	Asset ID	Road	Location	Drainage ID		Identifier		
	•	17213	FARLEY ST (CEN)	67	2856	Hierarchy	Asset ID	17213	
	•	17214	FARLEY ST (CEN)	69	2858	0	Location		>
	•	17215	CHURCH ST (MSI)	309	227		Road	FARLEY ST (CEN)	v
	•	17216	CARGILL ST (MSI)	13	241		Location	67 m	
	•	17217	BOOMER ST (GI)	9	388		Offset	3.8 m	
	•	17218	GREEN ST (MSI)	190	1801		Side	Right	¥
	•	17219	WILLIS ST (CEN)	313	2121		Audit		>
	•	17220	WILLIS ST (CEN)	333	2122		General		
	•	17221	WILLIS ST (CEN)	360	2123		Drainage ID	2856	
	•	17222	WILLIS ST (CEN)	360	2124		Mudtank Priority	Priority 1 - High	v
	•	17223	TORR ST (EAST)	110	2727		Loc Sub Area		
	•	17224	TORR ST (EAST)	119	2729		Close Out Time		
	•	17225	PENNANT ST (CEN)	13	2860		Dimensions		
	0	17226	PENNANT ST (CEN)	14	2861		Tank Width	350 mm	
	0	17227	GILMORE ST (CEN)	14	2866		Tank Length Tank Depth	1100 mm	
	•	17228	CROMWELL ST (CEN)	19	2869	_	Grate Depth	50 mm	
	•	17229	CROMWELL ST (CEN)	21	2870		Outlet Information		
	0	17230	BERWICK ST (CEN)	14	2872		Outlet Invert	350 mm	
	•	17231	BERWICK ST (CEN)	28	2874		Outlet Diameter	250 mm	
	•	17232	TAIERI RD (CEN)	276	2903		Outlet Direction	East	
H	•	17233	TAIERI RD (CEN)	432	2905		Cleaning Information		
	•	17234	TAIERI RD (CEN)	567	2907		Silt Depth	120 mm	
	-	17235	TAIERI RD (CEN)	660	2911		Freeboard	230 mm	
50	100	200 8803 items				1 2 3 177 > >	Last Cleaned Cleaning Required	12/10/2022	

Asset Data

Field Collection

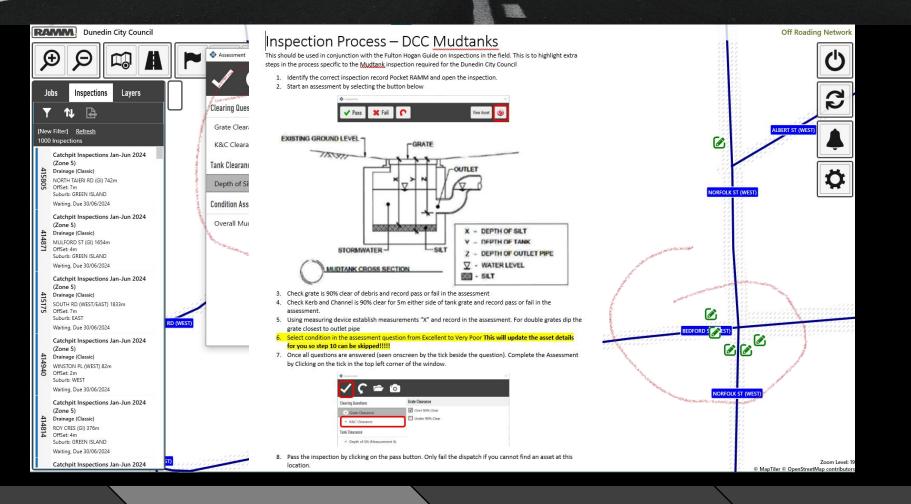
Data Queries

Reporting

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ton Hogan





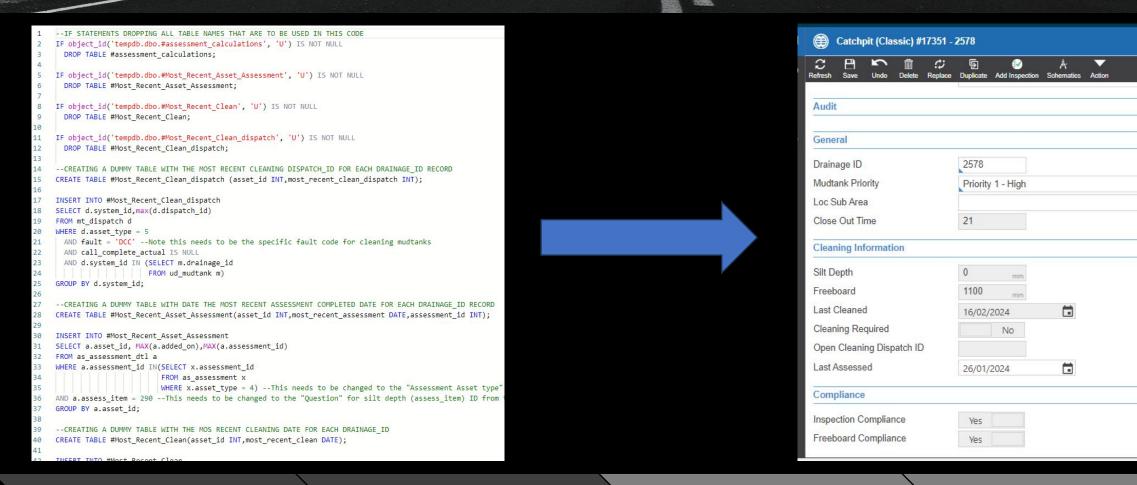
Asset Data

Field Collection

Data Queries

### Reporting





Asset Data



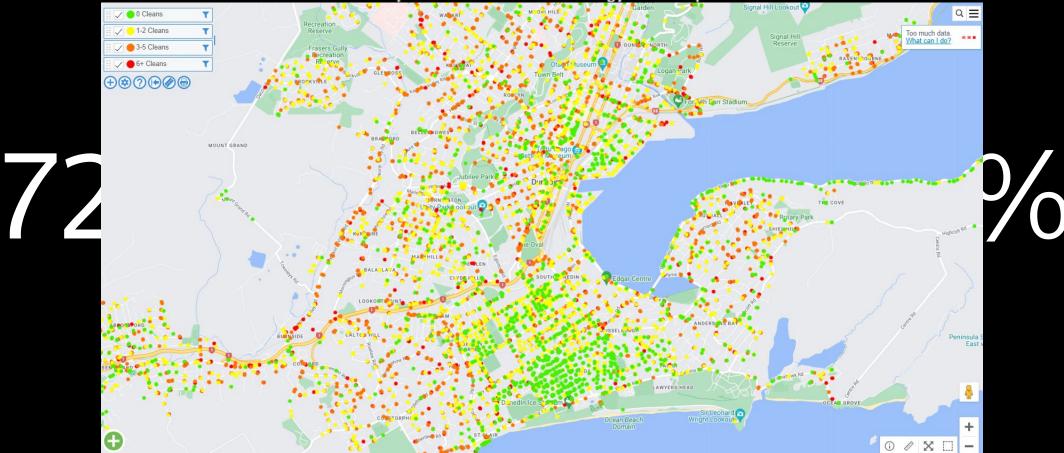
### Data Queries

### Reporting

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# What we learned from the data?

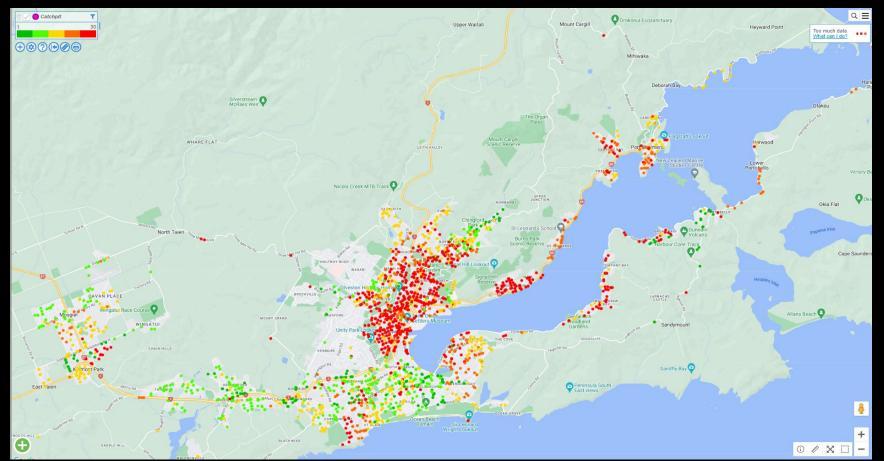


Fostering Collaboration: Whanaungatanga in transport asset management



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# What we learned from the data?





## How could we further optimise?

- Inspections vs. Work
- Risk based assessment frequency
- Combination of Cycles/Inspections
- AMDS  $\rightarrow$  Data Structure
- I.O.T.





## Thank you





Roading Infrastructure Management Support





