

**Accurate,
Affordable
Farm Connectivity,
Anywhere**

**David Ward
Goanna Ag**



WHAT IF YOUR FARM COULD TALK TO YOU & YOU COULD UNDERSTAND WHAT IT IS SAYING ?





Simpler, smarter, cheaper.



Low-Cost Connectivity

Affordable in-field sensors using Low
Power Wide Area Networks



Less Manual Management

Remote monitoring and control of
water infrastructure across your farm



Higher Productivity

Improve crop outcomes by optimising
water scheduling and irrigation needs



Improve Water Efficiencies

Data analysis and forecasting to better
manage your water resources



How your farm talks to you



SENSORS

Sensors are placed across your farm to monitor rainfall, soil moisture, weather and inventory.



NETWORK

Goanna Ag's rural low-power LoRaWAN network provides the connectivity to send data from multiple sensors.



ANALYSIS

Data is transferred to a central platform where it is analysed to understand water use, loss and requirements across the farm.



ACTION

Armed with powerful insights, precise irrigation scheduling and optimised WUE are now at your fingertips.



Network







MULLALEY WEATHER STATION

Discovery AG

ordered by Location Name

17 °

HIGH
14:30

13 °












LOW
06:30

71 %

HUMIDITY

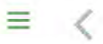
17 °

14:30 MAY 21 2020

<p>Wind</p>  <p>15 km/h - W</p>	<p>Main Wind Direction</p>  <p>WNW - 53 %</p>	<p>Delta T</p>  <p>3.5 °</p>	<p>Solar Radiation</p>  <p>232 W m-2</p>	<p>Barometric Pressure</p>  <p>1011 hPa</p>	<p>FDI</p>  <p>3</p>
<p>Wind Speed</p>  <p>16 ↑ 8 ↓ 12 ~ km/h</p>	<p>Secondary Wind Direction</p>  <p>W - 47 %</p>	<p>Dew Point</p>  <p>12 °</p>	<p>ETo (tall)</p>  <p>1 mm</p>	<p>Battery Volts</p>  <p>12.8 v</p>	<p>HLI</p> <p>59</p>

RAIN (MM)

Since 9 AM	1.4
1 Hour	1.2
6 Hours	2.4
24 Hours	10.2
48 Hours	10.2
7 Days	10.2
30 Days	34.8
365 Days	479.2
YTD	390.2



Weather Station Report

TODAY	7 DAYS	30 DAYS	60 DAYS	180 DAYS	365 DAYS	YTD	SINCE START	CUSTOM RANGE
AIR TEMP	WIND SPEED	RAIN MM	DEW POINT	BAROMETRIC PRESSURE	FDI	BATTERY VOLTS		
HUMIDITY	WIND DIRECTION	DELTA T	SOLAR RADIATION	ETO (TALL)	HLI	FROST		

Graphing Selections

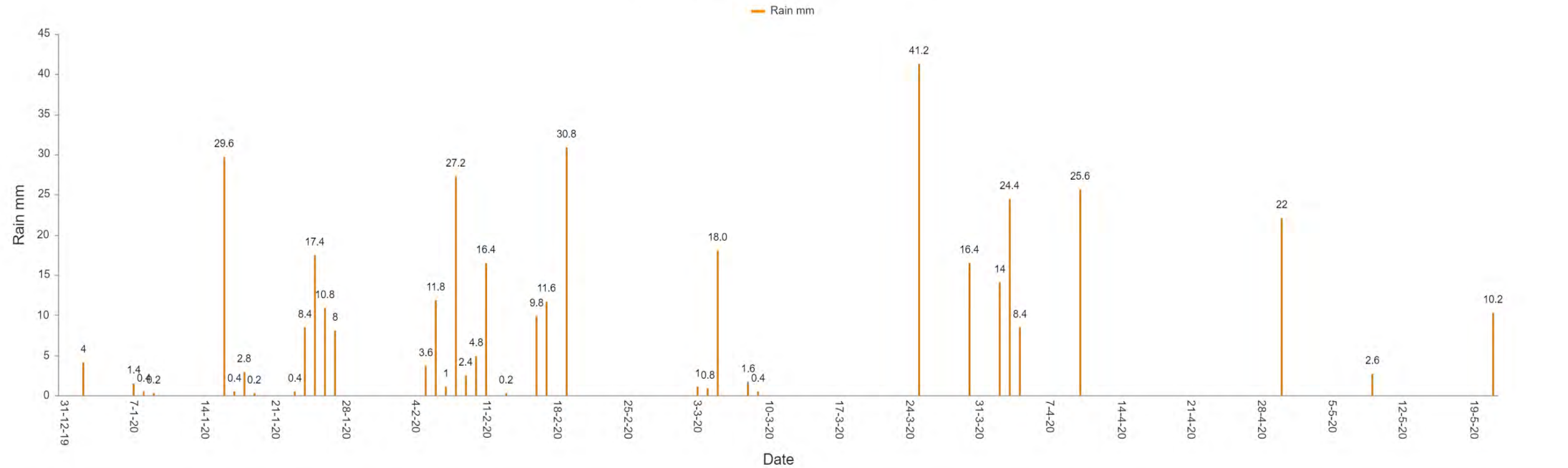
Sensor : Rain mm
 Date Range : YTD
 Last Reading : 21-05-20 14:30:24

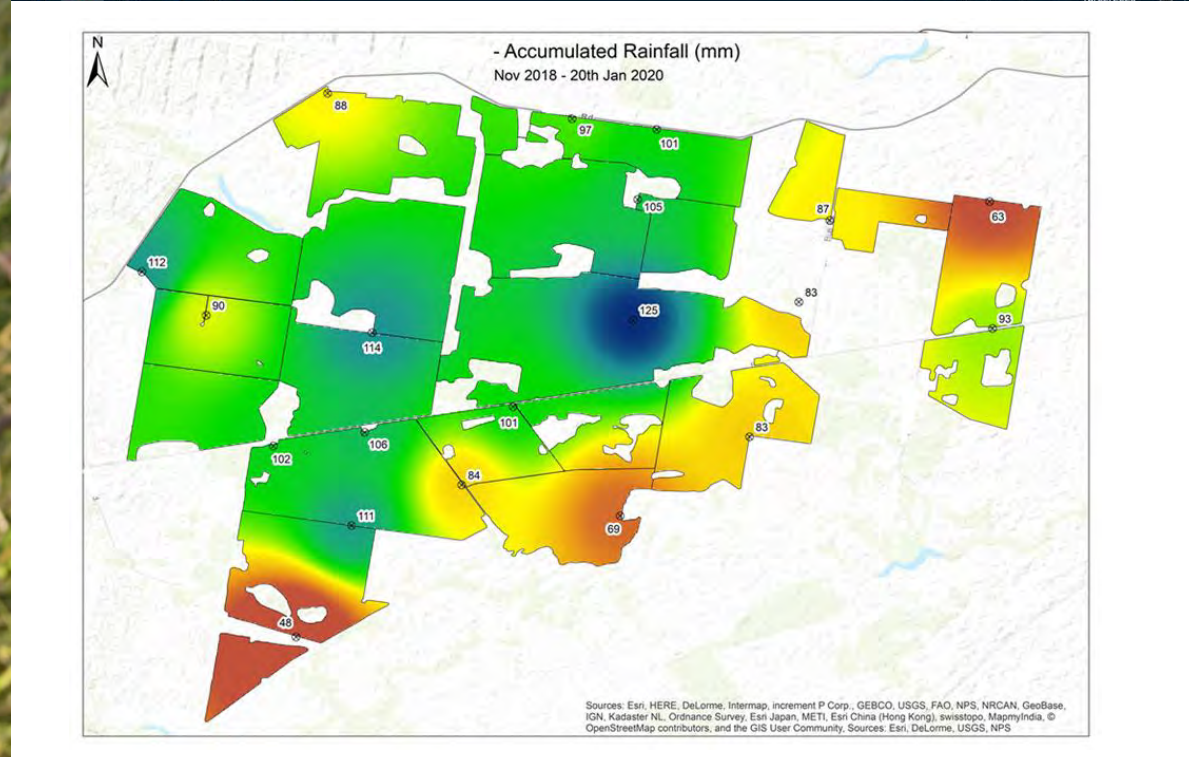
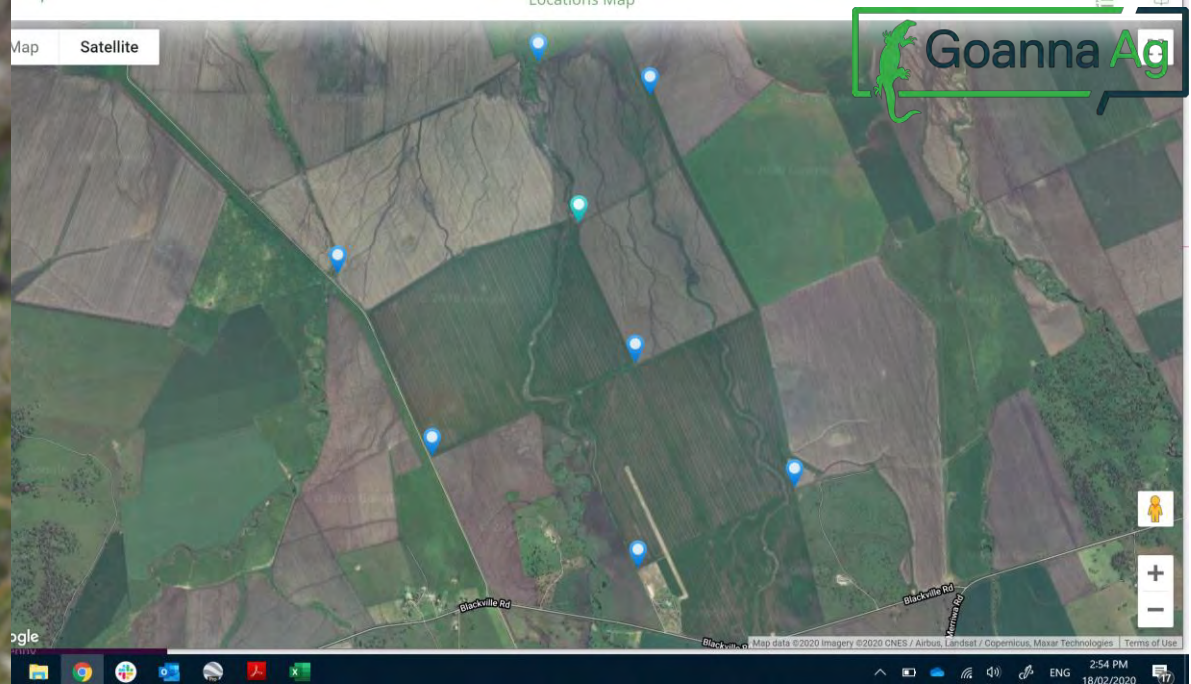
Location Details

Name : Mullaley Weather Station
 Owner : Discovery AG
 Start Date : 25-02-16

[Print Report](#)

31-12-2019 - 21-05-2020 - Total Rain: 390.2mm







Go Rain Gauges

[EXPORT TO EXCEL](#)
 [EXPORT TO PDF](#)
 [SHOW ACTIVE AND INACTIVE](#) (Active Only)

Locations	Graph	Last	1 Hour	9 AM	6 Hours	24 Hours	48 Hours	7 Days	30 Days	365 Days	YTD ↓	Repor...
Mendos Shed		21-05-2020 10:30	5.6	5.6	10.8	10.8	10.8	10.8	51	415	408.4	
Mendos Cattle Lane		21-05-2020 10:27	5.6	5.6	10.6	10.6	10.6	10.6	51.2	396.4	389	
Mendos Back Fence		21-05-2020 10:33	3.8	3.8	9	9	9	9	59.8	389.6	378	
Mendos Double Gates		21-05-2020 10:40	5	5	10.4	10.4	10.4	10.4	50.6	385.6	377.2	
Mendos SE		21-05-2020 10:46	7	7	12.6	12.6	12.6	12.6	58.2	377.6	372.8	
Mendos NE		21-05-2020 10:51	5	5	11.6	11.6	11.6	11.6	62.2	373.6	368.2	
Mendos JD Boundary		21-05-2020 10:30	6.2	6.2	11.2	11.2	11.2	11.2	46	353.8	348.6	



Goanna Ag
www.goannaag.com.au

Pioneer
Water Tanks

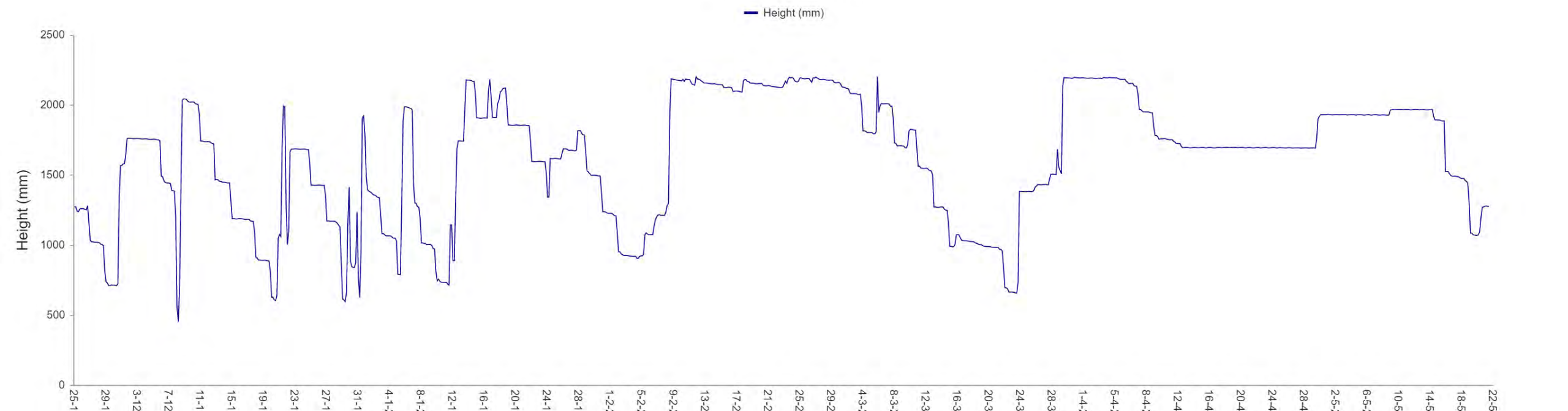
Go Tank Monitor Report

TODAY	7 DAYS	30 DAYS	60 DAYS	180 DAYS	365 DAYS	YTD	SINCE START	CUSTOM RANGE
RAIN	BATTERY VOLTS	CURRENT VOLUME	PERCENT CHANGE (DAY)	HEIGHT				

Graphing Selections Sensor : Height Date Range : 180 Days Last Reading : 22-05-20 08:44:29	Location Details Name : 0000 Tank Owner : Goanna Ag Start Date : 23-11-18
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[Print Report](#)

25-11-2019 - 22-05-2020



Partnerships & Collaborations





THANK YOU

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