

Annexure A

Names have been removed under Section 36 of the RTI Act 2009

[REDACTED]

From: [REDACTED]
Sent: Thursday, 2 June 2016 8:56 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: tonights Drip forecast for Trevallyn

Hi [REDACTED]
50% POE Trevallyn inflow Forecast for Wednesday is 600 m³/s.
Is there any chance of getting the fourth Trevallyn machine back sooner?
Above average rainfall is also forecast for the Mersey Forth and Great Lake Catchments.
Regards, [REDACTED]

NATURAL INFLOW Forecasts Trevallyn Pond

Trevallyn inflow excludes Postina Power Station flow

Nat Inflow - 7 Day F'cast

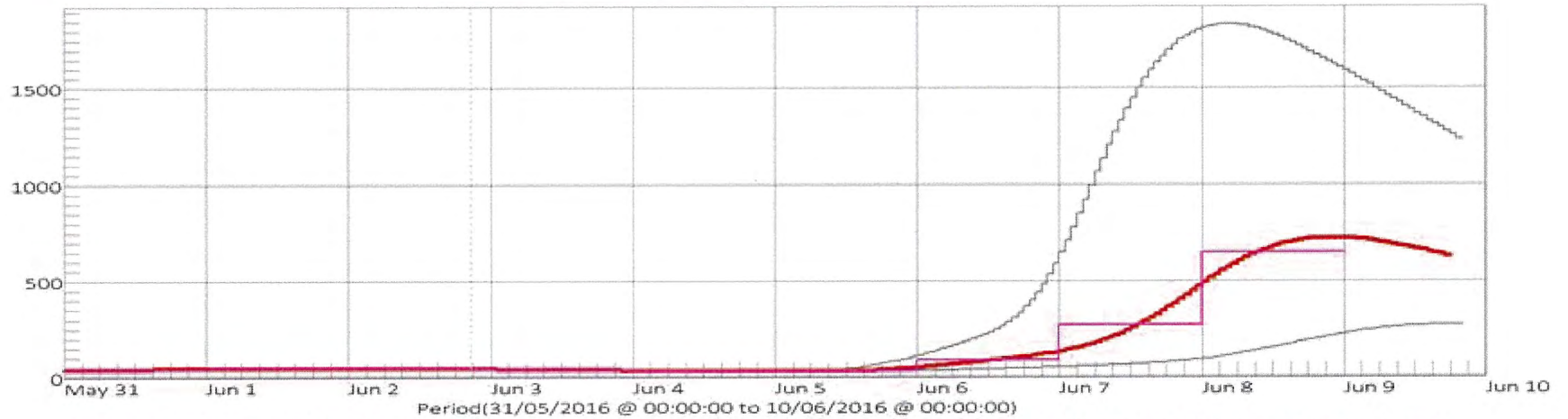
Trevallyn Pond High Rainfall
 Trevallyn Pond Med Rainfall (best est)
 Trevallyn Pond Lake Low Rainfall

Finish Time and Ave Value

09/06/2016 @ 00:00:00	505.451
09/06/2016 @ 00:00:00	165.554
09/06/2016 @ 00:00:00	57.498

158.1/157.05/1: TREVALLYN POND [AT DAM] - F/c Inflow Hi (m³/s)
 158.1/157.04/1: TREVALLYN POND [AT DAM] - F/c Inflow Lo (m³/s)
 158.1/157.03/1: TREVALLYN POND [AT DAM] - F'cast Inflow Med (m³/s)
 158.1/157.02/1: TREVALLYN LAKE [AT DAM] - F'cast Inflow Med (m³/s) - Agg(Daily)

Trevallyn PStn max flow = 106.6 m³/s



1000103.10/110.58/1: MACQUARIE CATCHMENT Med F'cast
 1000103.20/110.58/1: MEANDER CATCHMENT Med F'cast
 1000103.30/110.58/1: SOUTH ESK CATCHMENT Med F'cast
 19987.1/110.00/1: MEANDER RIVER [AT MEANDER BRIDGE (@ BOM)] - Rain (mm)
 162.1/110.00/1: MEANDER RIVER [AT DELORAINIE BRIDGE] - Rain (mm)
 852.1/110.00/1: MEANDER RIVER [AT STRATHBRIDGE (@ DPI/PWE)] - Ra
 1746.1/110.00/1: Gray [BoM Meteorological (@ BoM)] - Rain (mm)
 150.1/110.00/1: SOUTH ESK [AT ILEWELLYN] - Rain (mm)
 490.1/110.00/1: POSTINA TAILRACE CNL [AT No.1 DROP] - Rain (mm)
 259.1/110.00/1: MACQUARIE RIVER (@ Mt MORRISTON (@ BOM)) - Rain



[REDACTED]

From: [REDACTED]
Sent: Friday, 3 June 2016 1:57 PM
To: Forth Notifications
Subject: Lake Gairdner Level Notification

To whom it may concern,

Please be advised that Lake Gairdner will be drawn down to approximately 11.7m below full supply level (to 460.71m) over the next two days in preparation for a period of high forecast inflows.

Regards,

Hydro Tasmania

[REDACTED]

From: [REDACTED]
Sent: Saturday, 4 June 2016 10:21 AM
To: [REDACTED]
Subject: RE: Inflow forecast

[REDACTED]

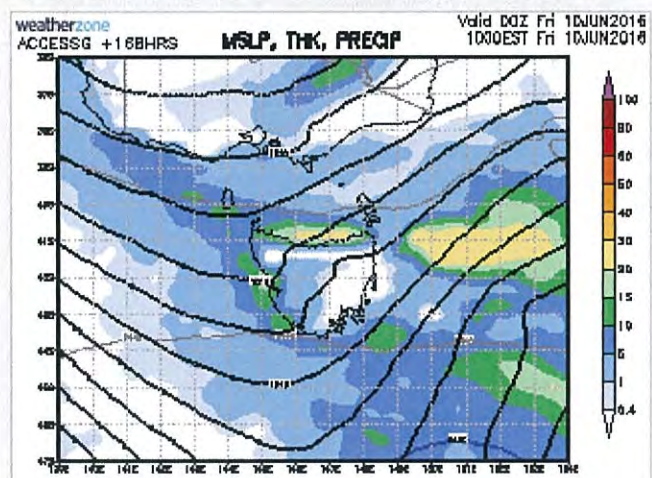
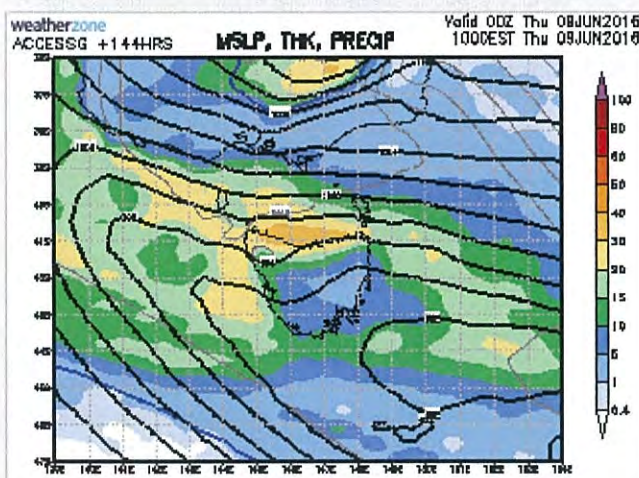
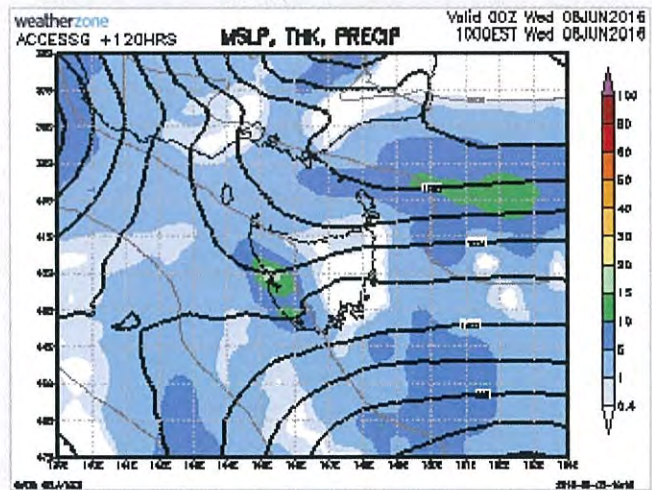
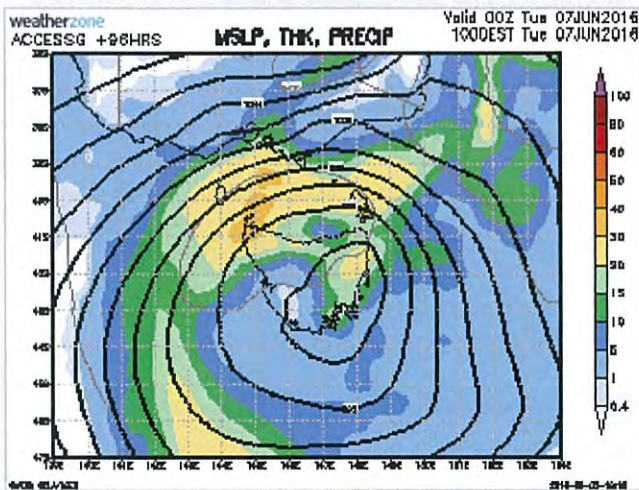
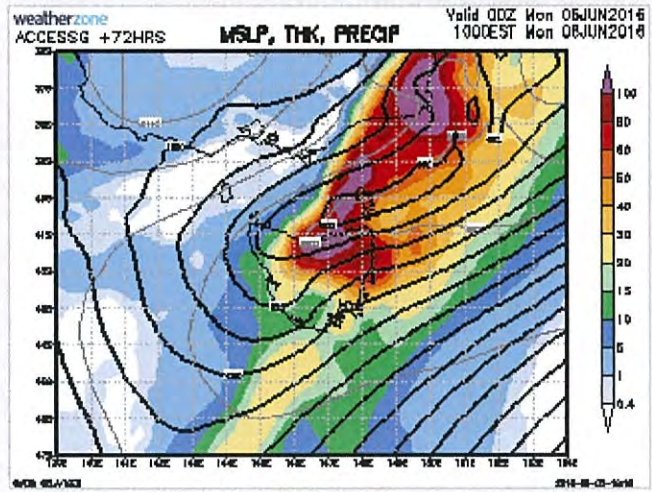
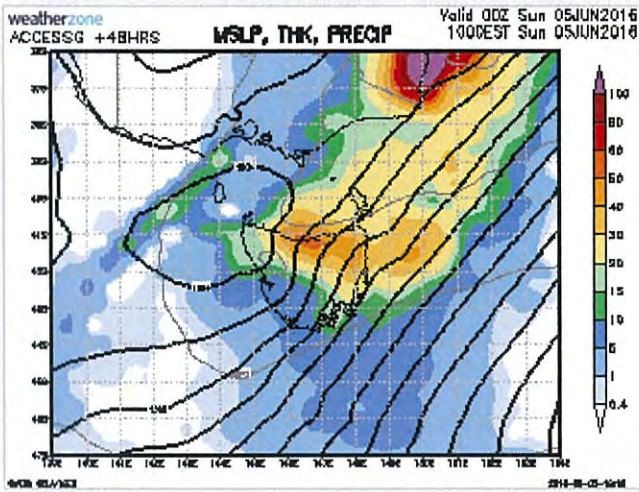
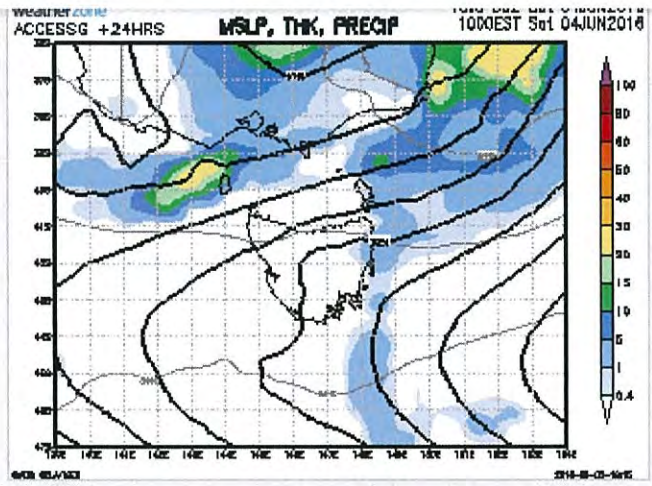
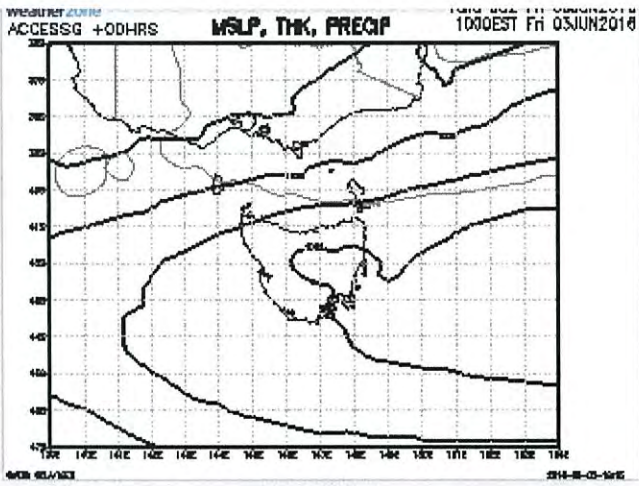
Not relevant to request

Sent from my Windows Phone

From: [REDACTED]
Sent: 3/06/2016 11:49 PM
To: [REDACTED]
Subject: Inflow forecast

[REDACTED]

Not relevant to request



[REDACTED]
BComp



m [REDACTED]
e [REDACTED]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

Please consider the environment before printing my email

This e-mail and any attachments may contain confidential, proprietary or legally privileged information. If you are not the intended recipient, you must not keep, forward, disclose, adapt or copy the material and any such action is unauthorised and prohibited. If you have received this e-mail in error, please immediately advise *the sender* by return email and delete this e-mail and any attachments from your system.

[REDACTED]

From: [REDACTED]
Sent: Saturday, 4 June 2016 7:03 PM
To: [REDACTED]
Subject: RE: Poatina reg pond

Hi [REDACTED], if you can justify going lower you can but we have no desire to run Poat and only saving the water so we didn't have to run it when Cressy pumps got low. Unless you think Poat will get forced on and you think we will be restricted due to floods a mid level should be fine, but I am open to any other views.

Sent from my Windows Phone

From: [REDACTED]
Sent: 4/06/2016 6:49 PM
To: [REDACTED]
Subject: Poatina reg pond

[REDACTED], should we be targeting lower than 156.4m if we are expecting the Macquarie @ Cressy to enter flood levels with the expected inflows?

Sent from my Windows Phone

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Sunday, 5 June 2016 3:46 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-05 16:45:50 DSEP FLOOD ALERT Lake Mackenzie is approaching the historic high water level.
Attachments: oaa_629_1_204.x_plot.tso.pdf

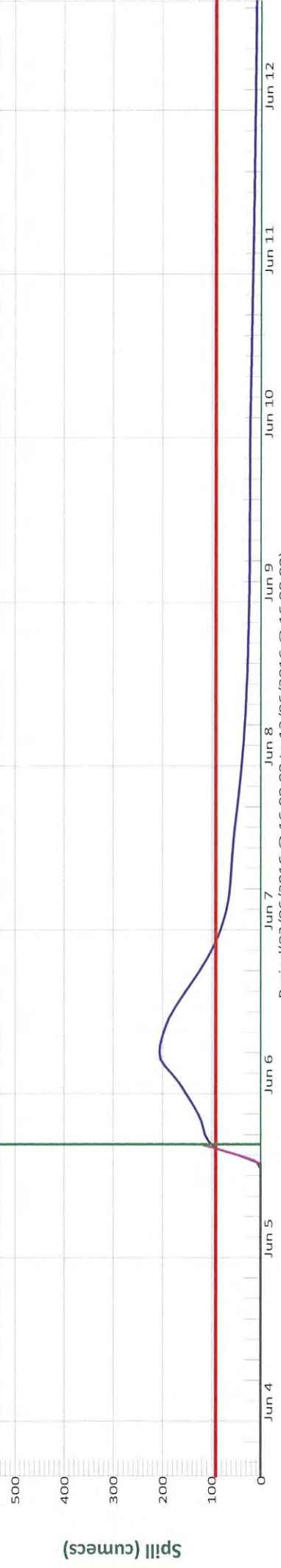
DSEP FLOOD ALERT: Lake Mackenzie is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 629.1/204.30/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Mackenzie Flood Forecast

Forecast Spill
 Recorded Spill
 Alert Spill

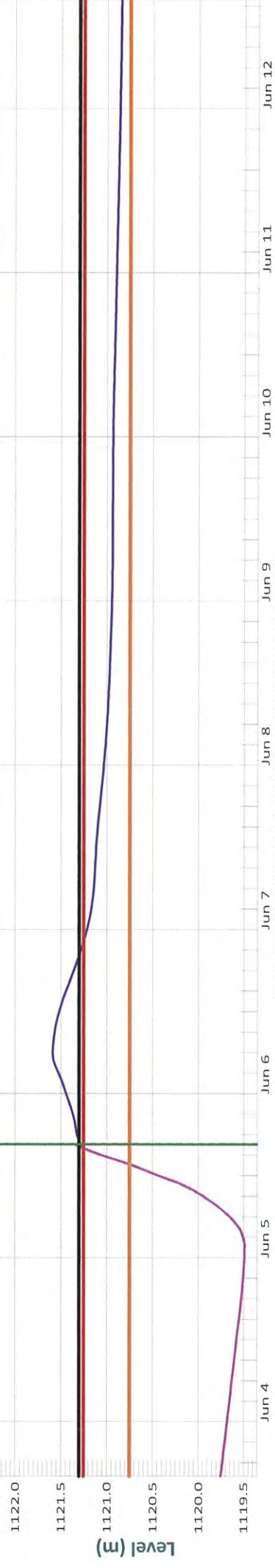
Design Spill Capacity
 Model Last Run Time (EST)
 Present Time (EST)



Period(03/06/2016 @ 16:00:00 to 12/06/2016 @ 16:00:00)
 FSL
 Design Flood Level
 Historic High

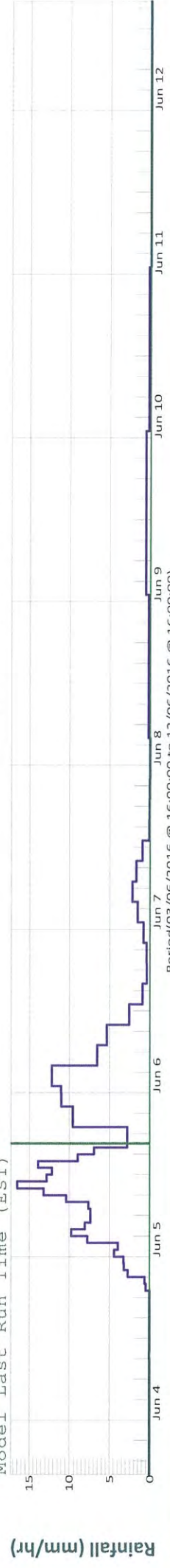
Forecast Lake Level
 Recorded Lake Level
 Alert Level - 1:20 AEP

Model Last Run Time (EST)
 Present Time (EST)



Period(03/06/2016 @ 16:00:00 to 12/06/2016 @ 16:00:00)
 Present Time (EST)

Mersey Catchment Precipitation
 Model Last Run Time (EST)



Rainfall Gauge Availability (-6hrs)
 100 % Mersey

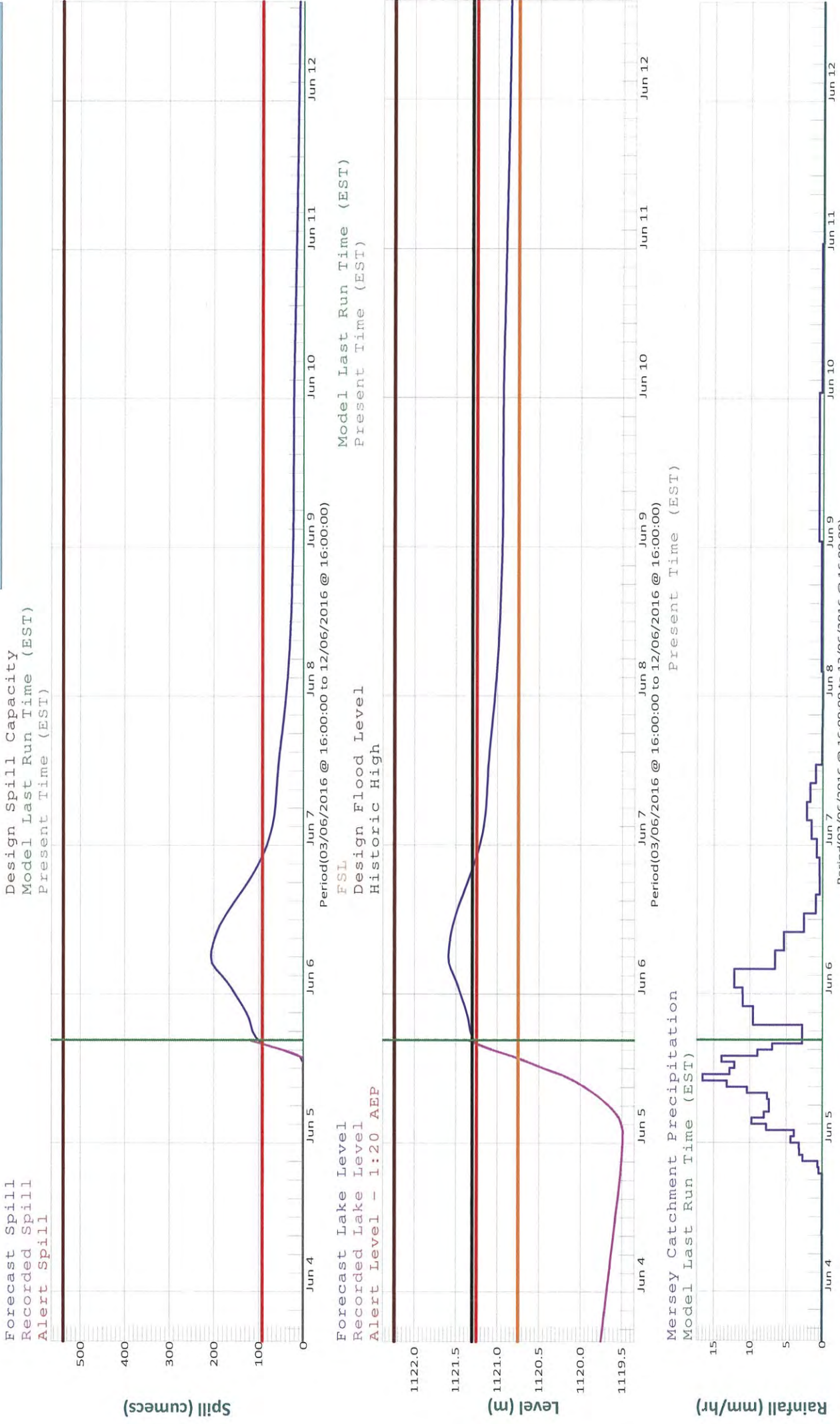
Threshold Level (m)	DFL	HH	Alert Level	FSL
1122.24	1122.24	1121.30	1121.25	1120.75
Spill (m ³ /s)	537.99	105.95	91.42	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Sunday, 5 June 2016 3:47 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-05 16:46:16 DSEP FLOOD ALERT Lake Mackenzie has exceeded the historic high water level.
Attachments: oaa_629_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Mackenzie has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 629.1/204.30/2'

Lake Mackenzie Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



Rainfall Gauge Availability (-6hrs)			
Threshold Level (m)	DFL	HH	FSL
100% Mersey	1122.24	1121.30	1120.75
	Spill (m ³ /s)	Alert Level	FSL
	537.99	91.42	0.00

[REDACTED]

From: [REDACTED]
Sent: Sunday, 5 June 2016 5:02 PM
To: [REDACTED]
Subject: Augusta operation

All, in light of the recent spillway mods on Liawenee canal, please be aware that the canal capacity is 23.3CM before spill occurs at the weir. Flows greater than this will also spill the canal over the newly installed hungry boards. It is desirable to limit metered flow below 24CM. If you expect higher uncontrolled flows, please advise the DO so the canal intake gate can be trimmed to limit excessive flows.

Regards

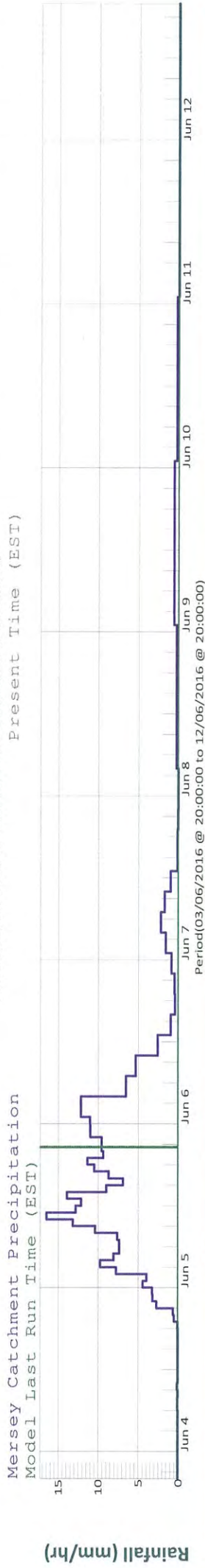
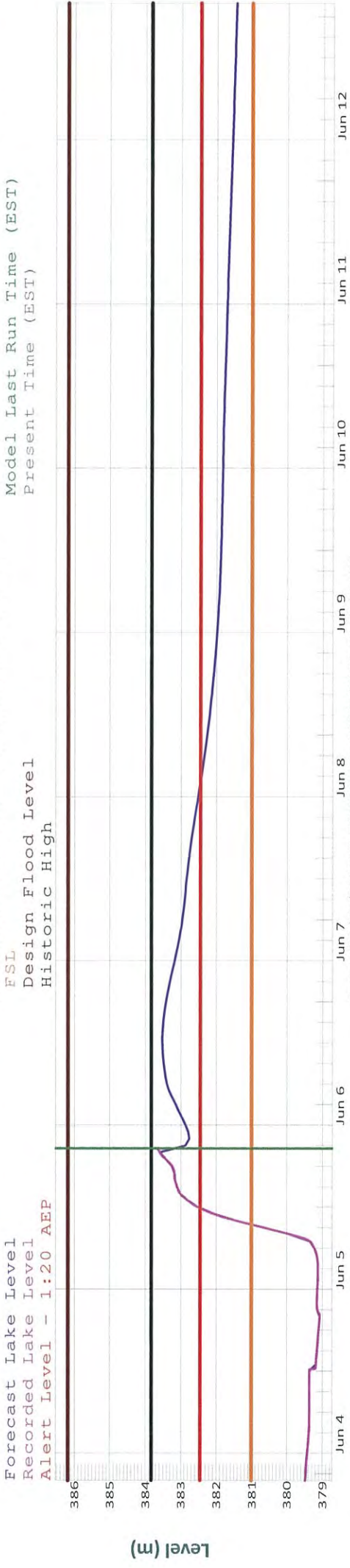
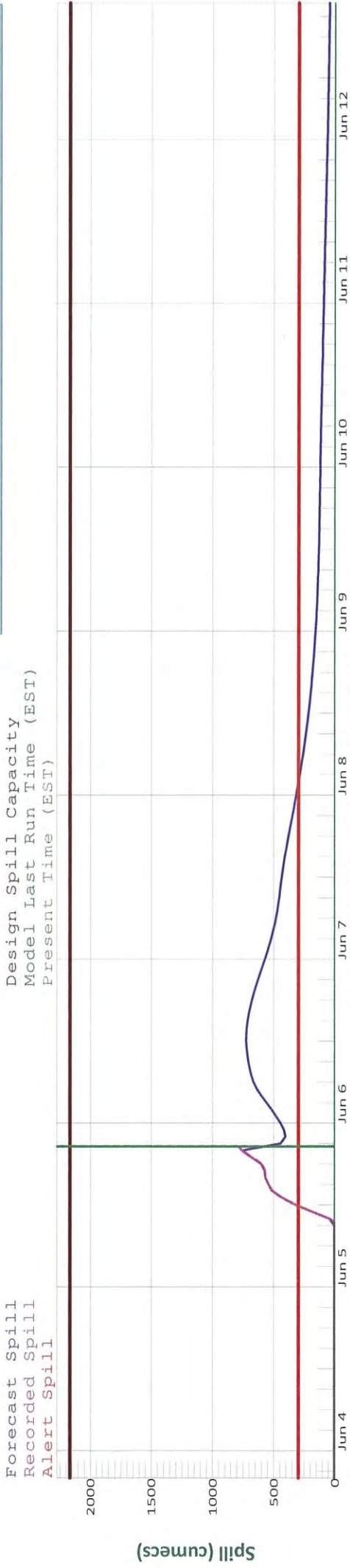
Sent from my Windows Phone

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Sunday, 5 June 2016 7:46 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-05 20:46:03 DSEP FLOOD ALERT Lake Parangana is approaching the historic high water level.
Attachments: oaa_594_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Parangana is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through Time5studio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 594.1/204.30/1'

Lake Parangana Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



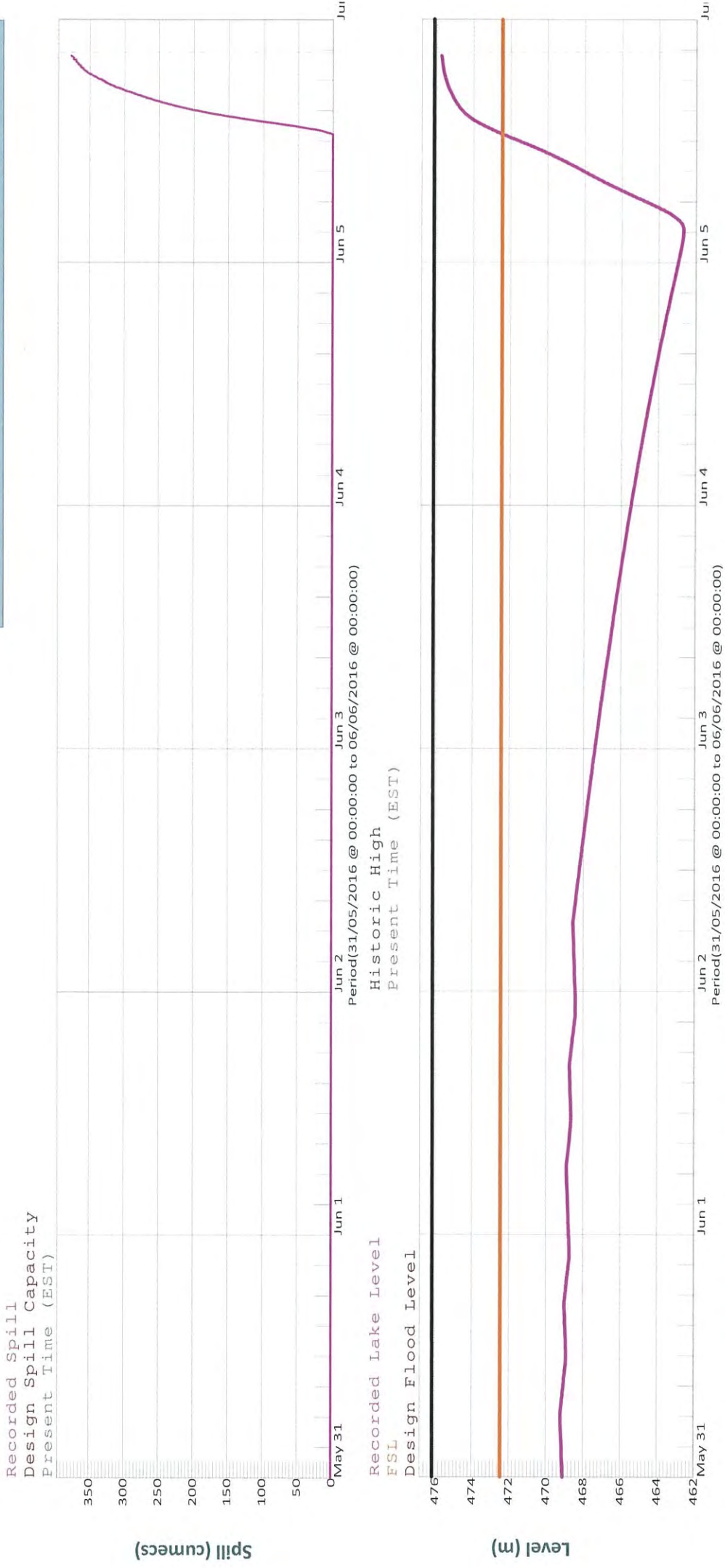
Rainfall Gauge Availability (-6hrs)			
Threshold Level (m)	DFL	HH	FSL
100 % Mersey	386.18	383.83	381.00
	Spill (m ³ /s)	Alert Level	FSL
	2166.90	382.45	381.00
		293.19	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Sunday, 5 June 2016 7:47 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-05 20:46:28 DSEP FLOOD ALERT Lake Gairdner is approaching the historic high water level.
Attachments: oaa_613_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Gairdner is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 613.1/204.30/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Gairdner Historic High



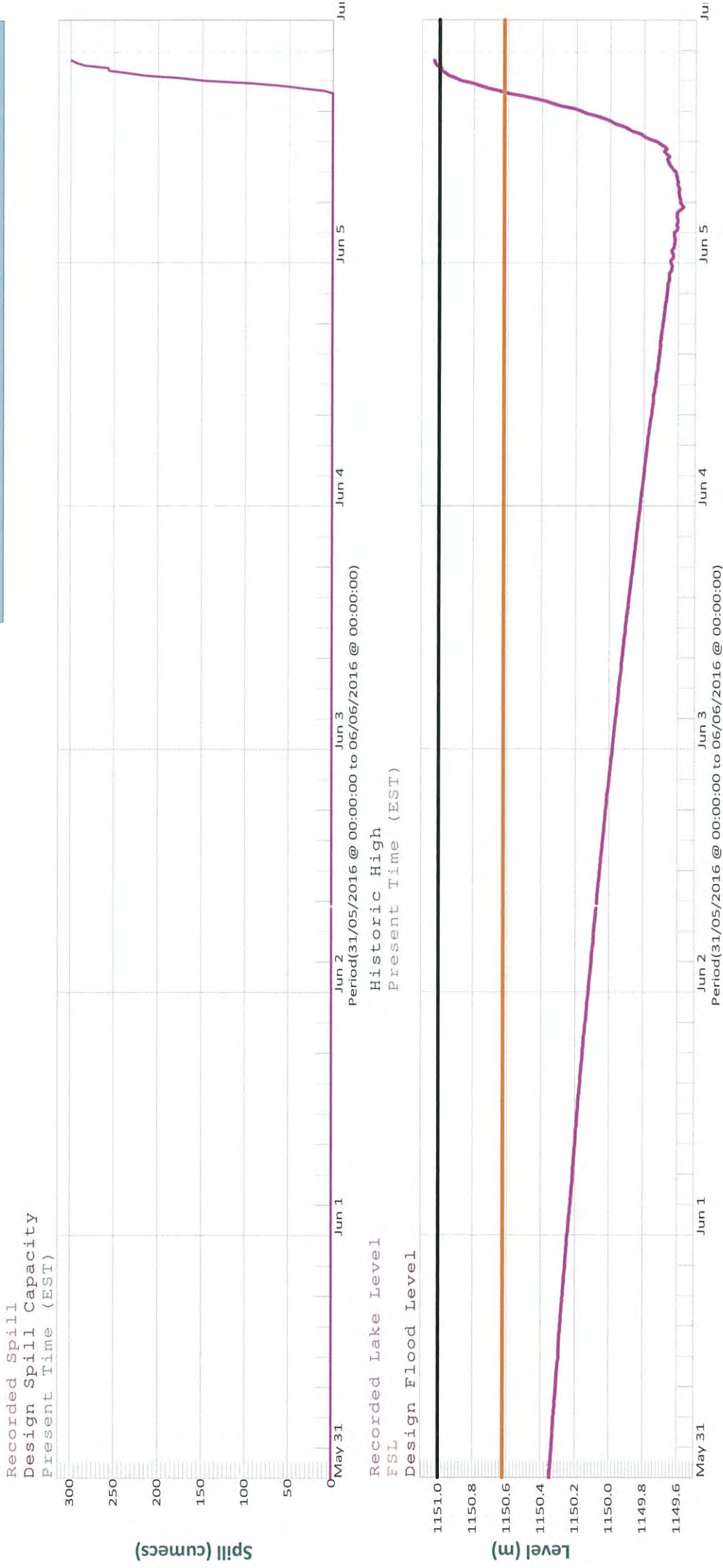
Threshold	DFL	HH	FSL
Level (m)	479.15	476.12	472.44
Spill (m ³ /s)	1184.00	449.37	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Sunday, 5 June 2016 7:47 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-05 20:47:02 DSEP FLOOD ALERT Lake Augusta is approaching the historic high water level.
Attachments: oaa_155_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Augusta is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 155.1/204.30/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Augusta Historic High



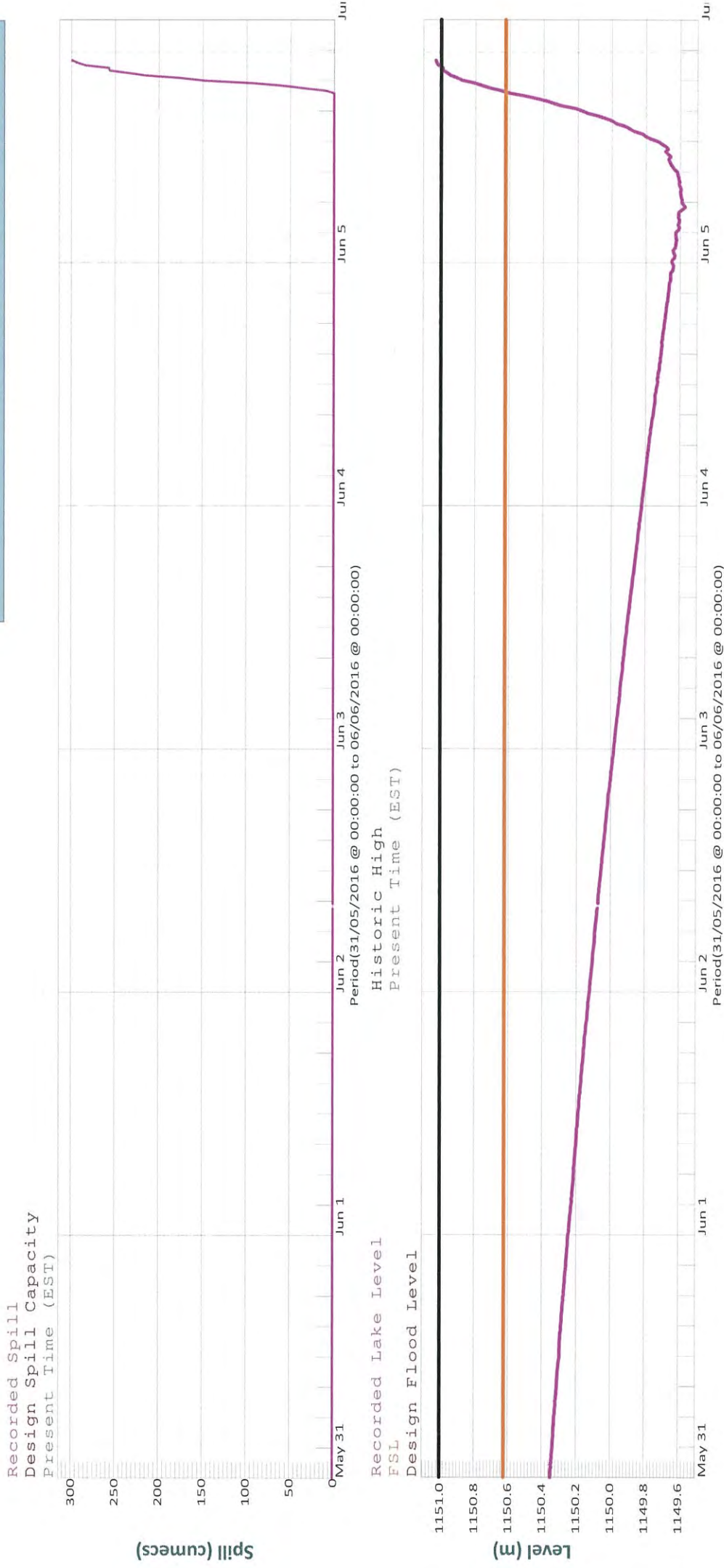
Threshold Level (m)	DFL	HH	FSL
1151.50	1151.50	1151.00	1150.62
929.80	929.80	266.35	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Sunday, 5 June 2016 7:47 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-05 20:47:16 DSEP FLOOD ALERT Lake Augusta has exceeded the historic high water level.
Attachments: oaa_155_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Augusta has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 155.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Augusta Historic High



Threshold Level (m)	DFL	HH	FSL
1151.50	1151.50	1151.00	1150.62
Spill (m ³ /s)	929.80	266.35	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 1:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 02:45:55 DSEP FLOOD ALERT Lake Cethana is approaching the historic high water level.
Attachments: oaa_625_1_204.x_plot.tso.pdf

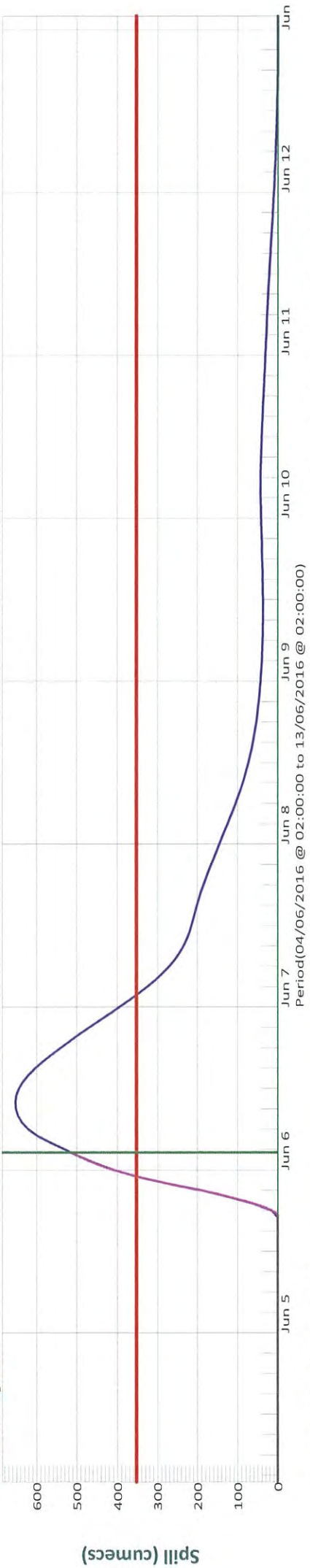
DSEP FLOOD ALERT: Lake Cethana is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 625.1/204.30/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Cethana Flood Forecast

Forecast Spill
Recorded Spill
Alert Spill

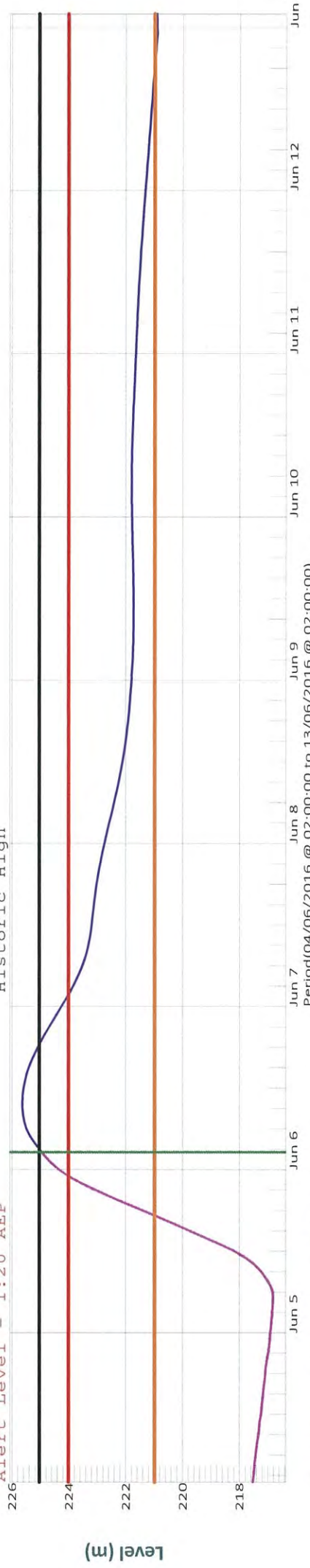
Design Spill Capacity
Model Last Run Time (EST)
Present Time (EST)



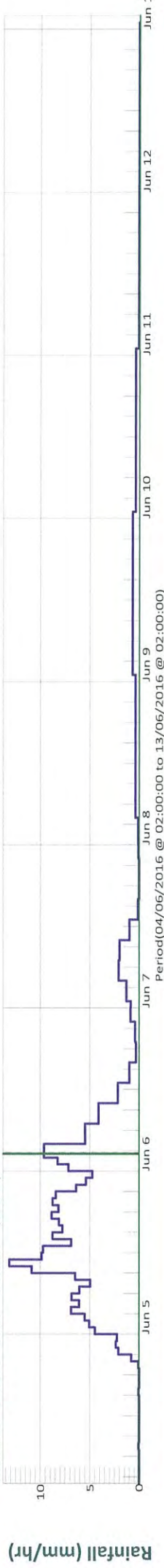
Forecast Lake Level
Recorded Lake Level
Alert Level - 1:20 AEP

FSL
Design Flood Level
Historic High

Model Last Run Time (EST)
Present Time (EST)



Cethana Catchment Precipitation
Model Last Run Time (EST)



Rainfall Gauge Availability
(-6hrs)

% Cethana

Threshold Level (m)	DFL	HH	Alert Level	FSL
229.82	229.82	225.04	224.00	220.98
1846.03	1846.03	530.39	351.60	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 3:47 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 04:46:18 DSEP FLOOD ALERT Lake Cethana has exceeded the historic high water level.
Attachments: oaa_625_1_204.x_plot.tso.pdf

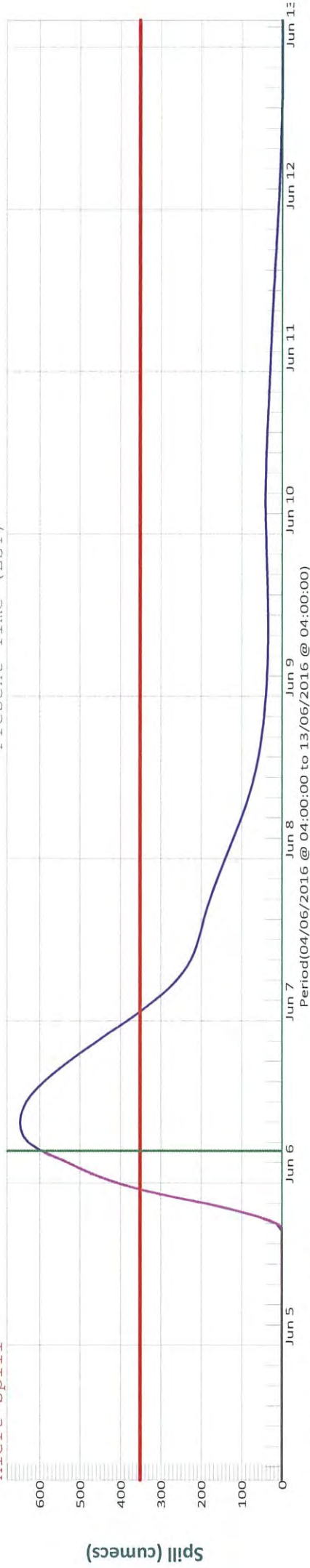
DSEP FLOOD ALERT: Lake Cethana has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 625.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Cethana Flood Forecast

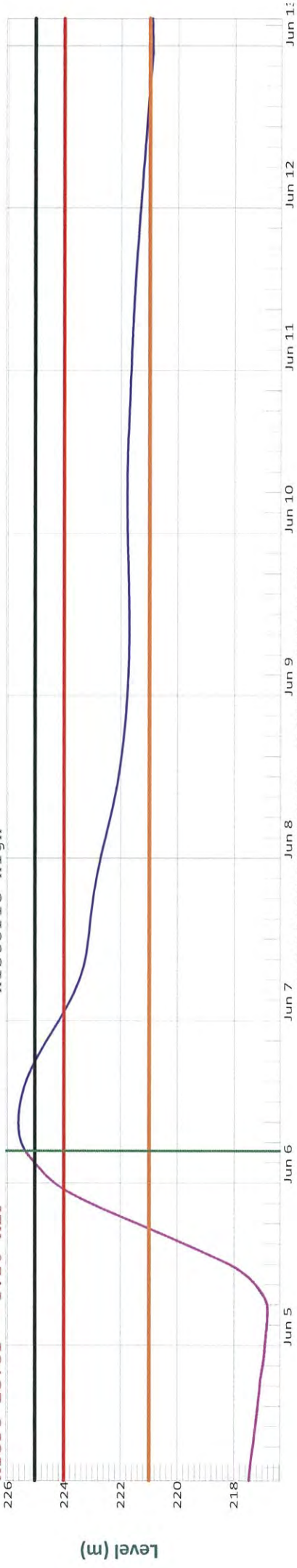
Design Spill Capacity
 Model Last Run Time (EST)
 Present Time (EST)

Forecast Spill
 Recorded Spill
 Alert Spill



Forecast Lake Level
 Recorded Lake Level
 Alert Level - 1:20 AEP

Model Last Run Time (EST)
 Present Time (EST)



Cethana Catchment Precipitation
 Model Last Run Time (EST)



Rainfall Gauge Availability
 (-6hrs)

% Cethana

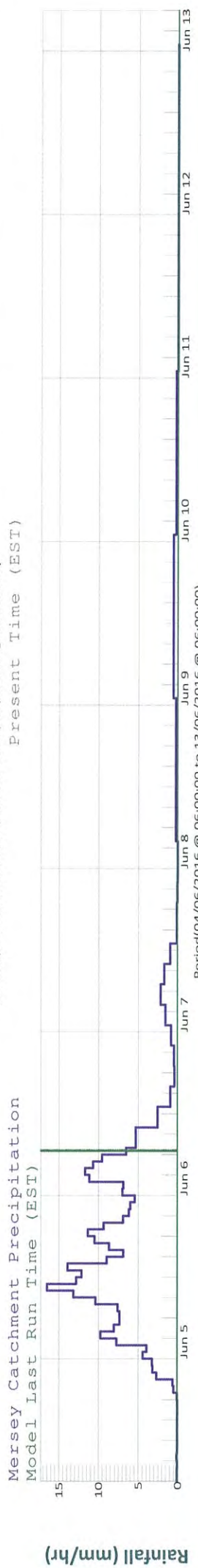
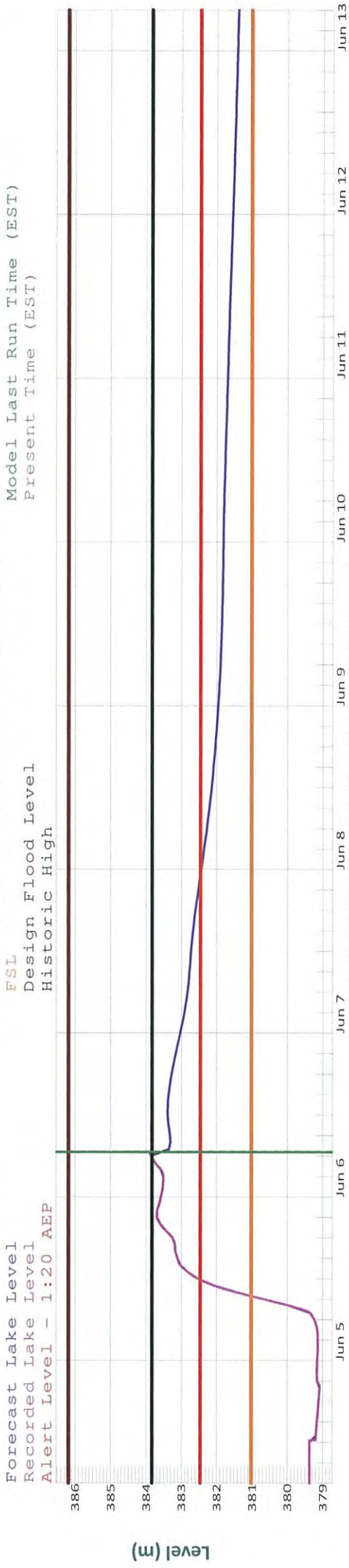
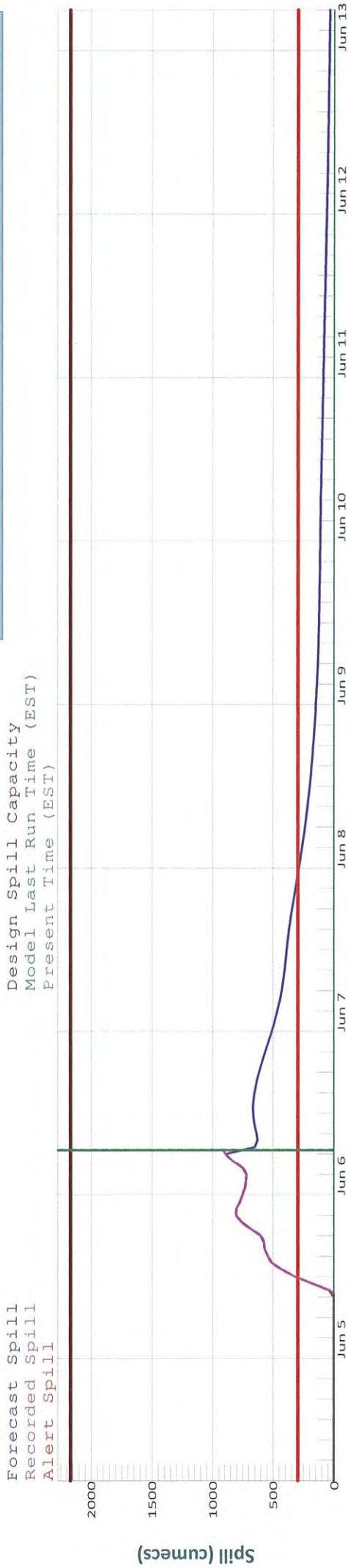
Threshold Level (m)	225.04	HH	224.00	Alert Level	220.98	FSL	220.98
Spill (m ³ /s)	1846.03	DFL	229.82	Alert Level	351.60	FSL	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 5:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 06:45:38 DSEP FLOOD ALERT Lake Parangana has exceeded the historic high water level.
Attachments: oaa_594_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Parangana has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 594.1/204.30/2'

Lake Parangana Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



Rainfall Gauge Availability (-6hrs)		Threshold		HH		Alert Level		FSL	
100 % Mersey		Level (m)	386.18	383.83	382.45	381.00			
		Spill (m ³ /s)	2166.90	874.95	293.19	0.00			

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:02 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:01:52 DSEP FLOOD ALERT Lake Rowallan is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_562_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Rowallan is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 562.1/204.20/1'

Lake Rowallan Flood Forecast

Some graph traces will only appear when the lake level approaches that value.

Alert Level 488.88
FSL 487.68

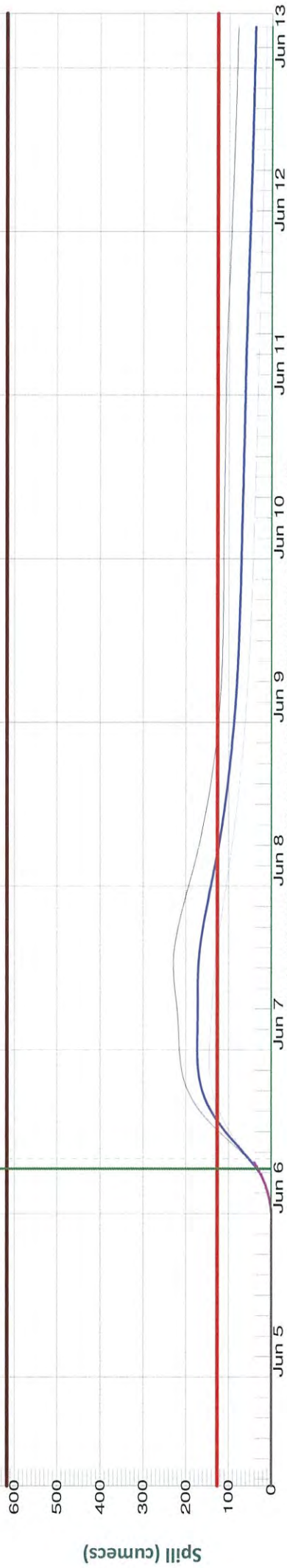
HH 488.92
132.90

Threshold Level (m) 490.88
Spill (m³/s) 616.78

Forecast Spill High
Forecast Spill Mean
Forecast Spill Low

Recorded Spill
Alert Spill (1:20 AEP)
Design Spill Capacity

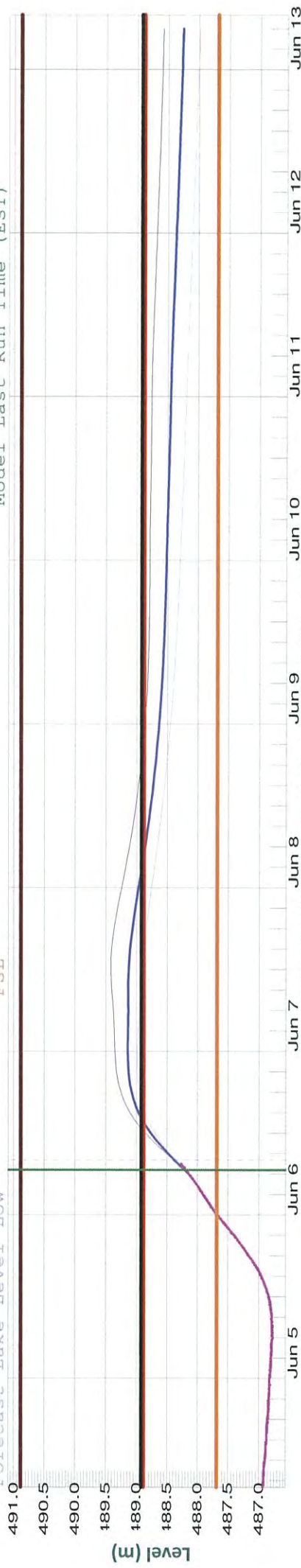
Model Last Run Time (EST)
Present Time (EST)



Forecast Lake Level High
Forecast Lake Level Mean
Forecast Lake Level Low

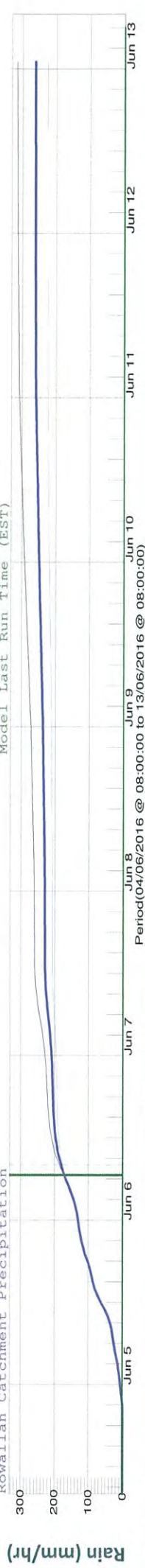
Recorded Lake Level
Alert Level - 1:20 AEP
FSL

Design Flood Level
Historic High
Model Last Run Time (EST)



Catchment Precipitation High # #
Rowallan Catchment Precipitation

Catchment Precipitation Low # #
Model Last Run Time (EST)



The High and Low level forecast is calculated by combining the rainfall forecast uncertainty and the DRIP-DSEP model uncertainty.

Rainfall forecast uncertainty: High and Low are based on the 25% and 75% probability of exceedance of tomorrow's forecast, applied to full forecast.

DRIP-DSEP model uncertainty: Based on 25% and 75% probability of exceedance over 7 days, which equates to a range of -0.03m to 0.03m (lake level) at day 7.

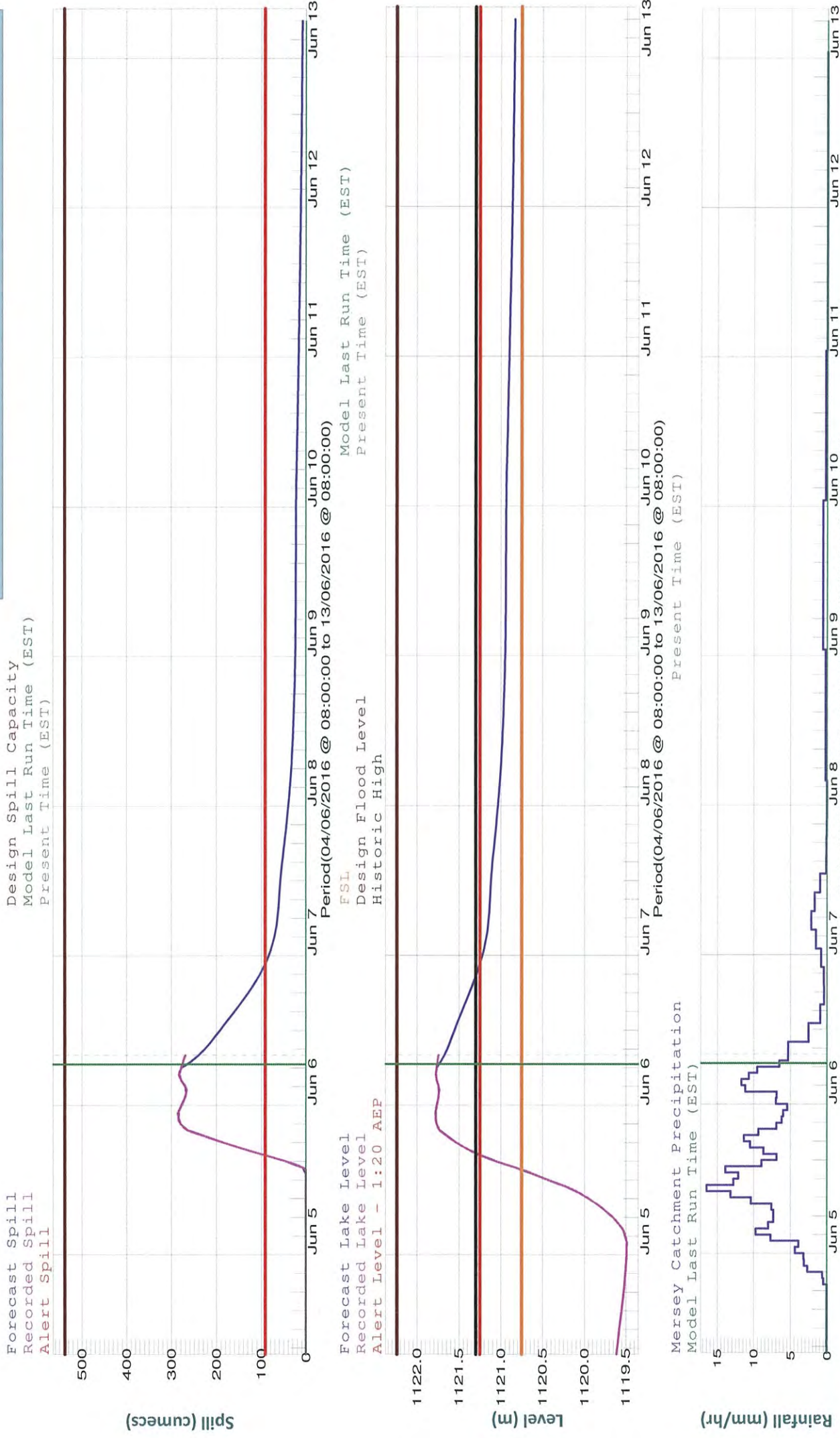
Rainfall Gauge Availability (-6hrs)
100 % Rowallan

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:03 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:02:15 DSEP FLOOD ALERT Lake Mackenzie is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_629_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Mackenzie is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 629.1/204.20/1'

Lake Mackenzie Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



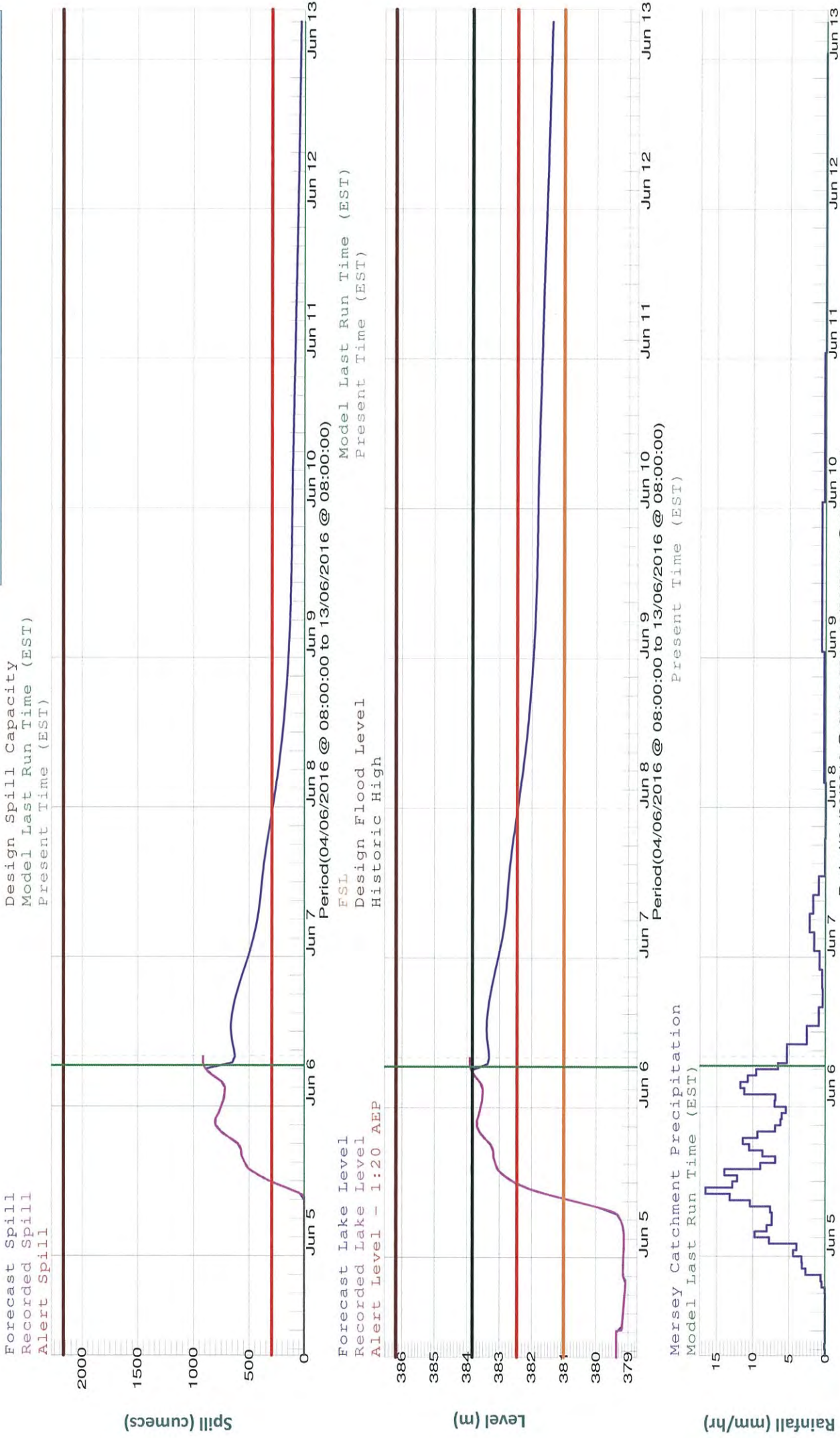
Rainfall Gauge Availability (-6hrs)			
Threshold	DFL	HH	FSL
100 % Mersey	1122.24	1121.30	1120.75
Level (m)	Spill (m ³ /s)	Alert Level	FSL
537.99	91.42	1120.75	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:03 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:02:37 DSEP FLOOD ALERT Lake Parangana is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_594_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Parangana is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 594.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Parangana Flood Forecast



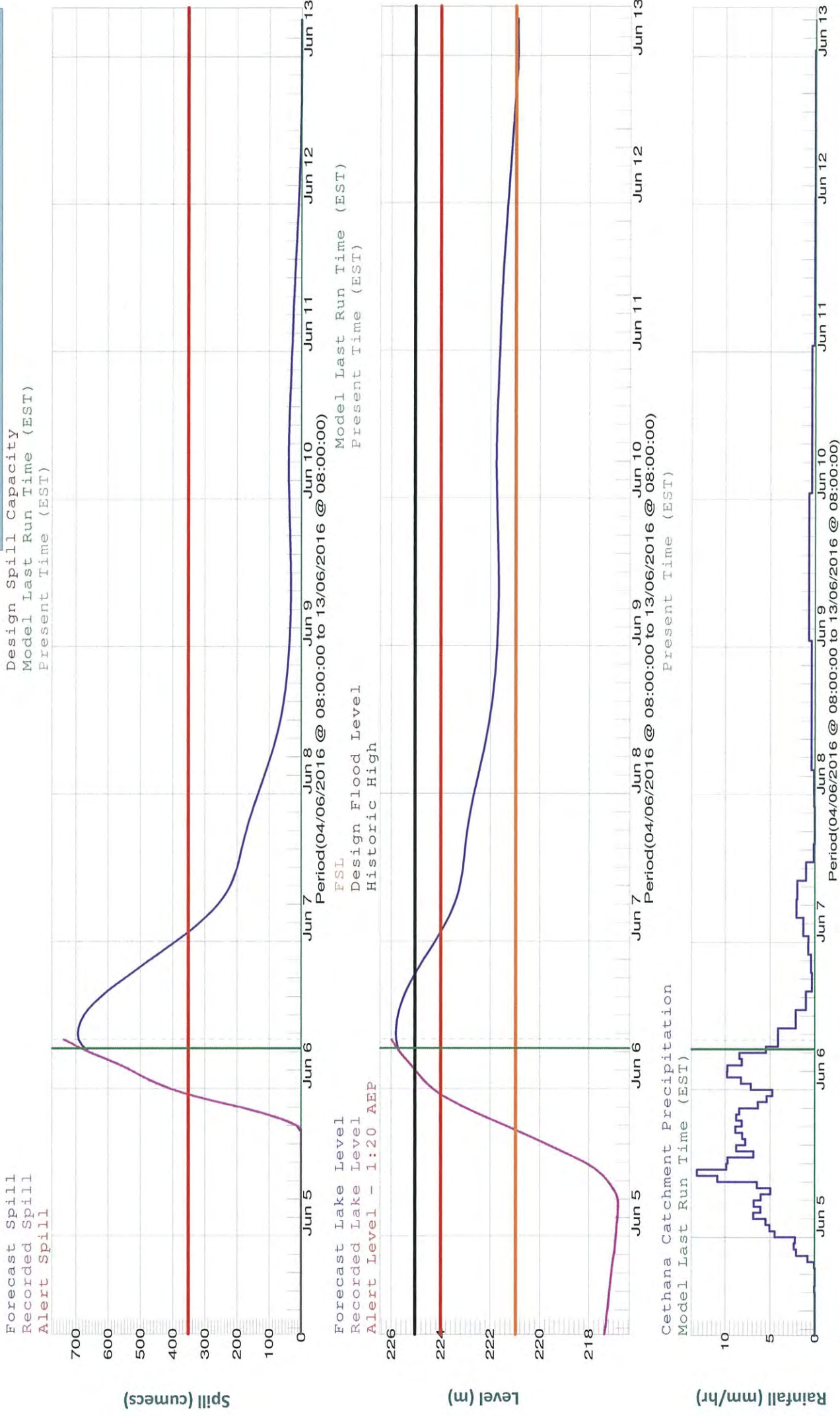
Rainfall Gauge Availability (-6hrs)		Threshold Level (m)		Spill (m³/s)		100 % Mersey		DFL		HH		Alert Level		FSL	
100 %	Mersey	386.18	386.18	874.95	2166.90	383.83	382.45	381.00	381.00	874.95	293.19	382.45	293.19	381.00	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:03 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:03:00 DSEP FLOOD ALERT Lake Cethana is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_625_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Cethana is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 625.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Cethana Flood Forecast



Rainfall Gauge Availability (-6hrs)		% Cethana		Threshold Level (m)		DFL		Alert Level		FSL	
Level (m)	225.04	HH	225.04	Level (m)	229.82	DFL	229.82	Alert Level	224.00	FSL	220.98
Spill (m ³ /s)	530.39	Spill (m ³ /s)	1846.03	Spill (m ³ /s)	1846.03			Alert Level	351.60	FSL	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:04 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:03:17 DSEP FLOOD ALERT Lake Paloona is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_627_1_204.x_plot.tso.pdf

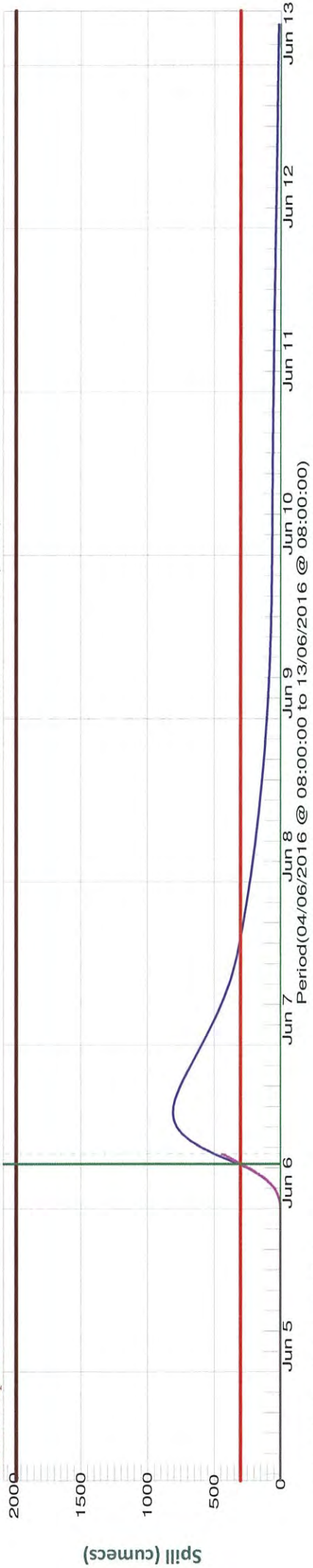
DSEP FLOOD ALERT: Lake Paloona is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 627.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

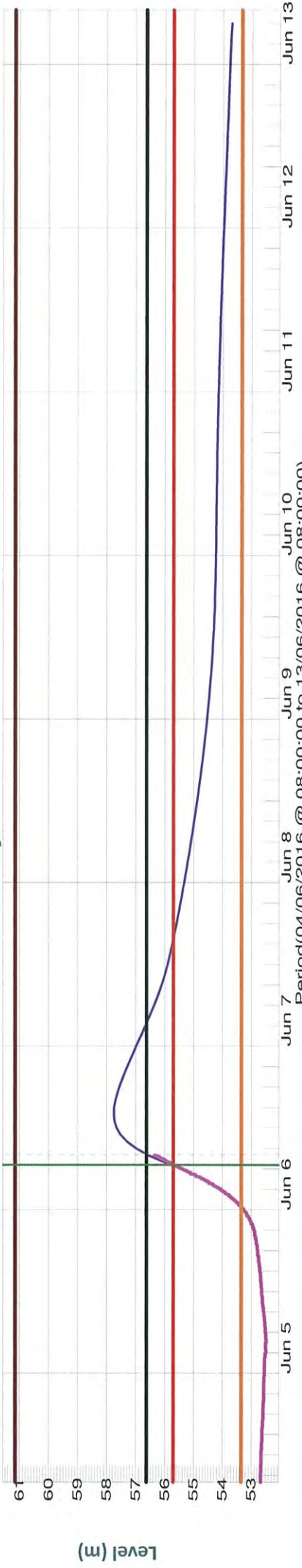
Lake Paloona Flood Forecast

Design Spill Capacity
 Model Last Run Time (EST)
 Present Time (EST)

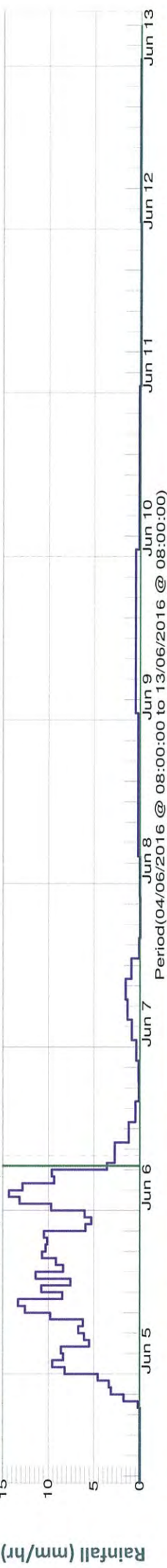
Forecast Spill
 Recorded Spill
 Alert Spill



Forecast Lake Level
 Recorded Lake Level
 Alert Level - 1:20 AEP



Paloona Catchment Precipitation
 Model Last Run Time (EST)



Rainfall Gauge Availability
 (-6hrs)

100 % Lower Forth

Threshold Level (m)	DFL	HH	Alert Level	FSL
61.14	61.14	56.63	55.69	53.34
Spill (m ³ /s)	1980.79	509.96	300.26	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:04 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:03:38 DSEP FLOOD ALERT Lake Barrington is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_604_1_204.x_plot.tso.pdf

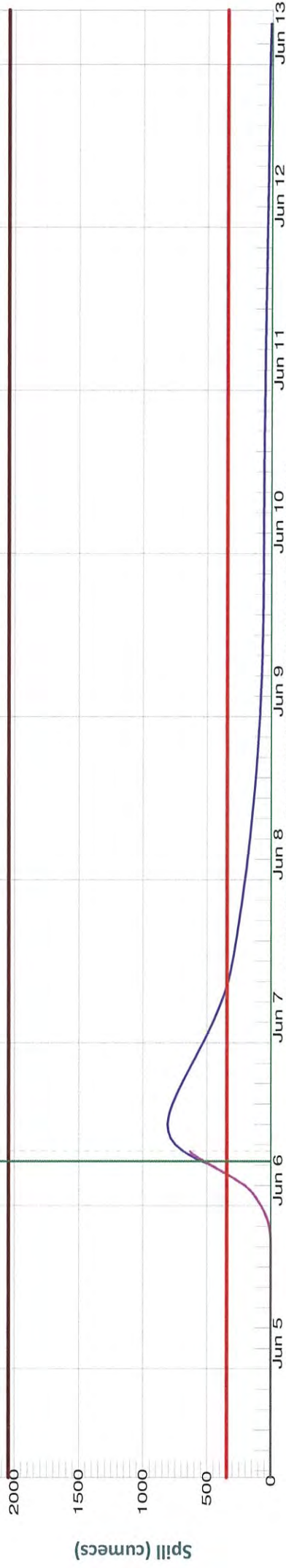
DSEP FLOOD ALERT: Lake Barrington is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 604.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Barrington Flood Forecast

Design Spill Capacity
 Model Last Run Time (EST)
 Present Time (EST)

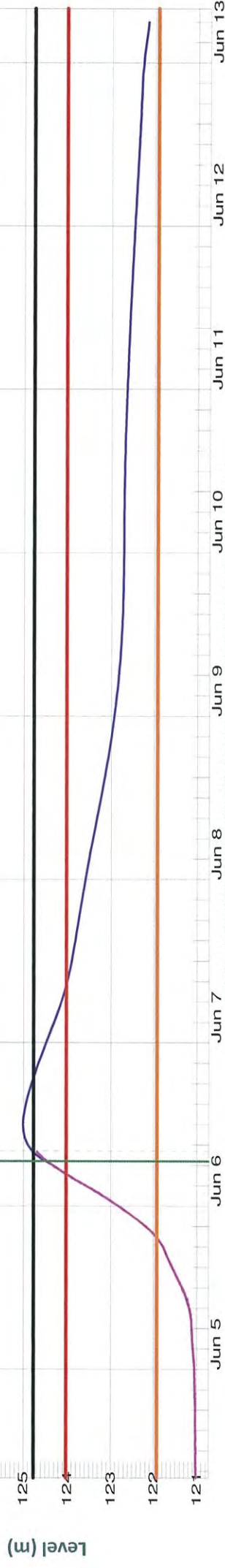
Forecast Spill
 Recorded Spill
 Alert Spill



Forecast Lake Level
 Recorded Lake Level
 Alert Level - 1:20 AEP

FSL
 Design Flood Level
 Historic High

Model Last Run Time (EST)
 Present Time (EST)



Lower Forth Catchment Precipitation
 Model Last Run Time (EST)



Rainfall Gauge Availability
 (-6hrs)

100 % Lower Forth

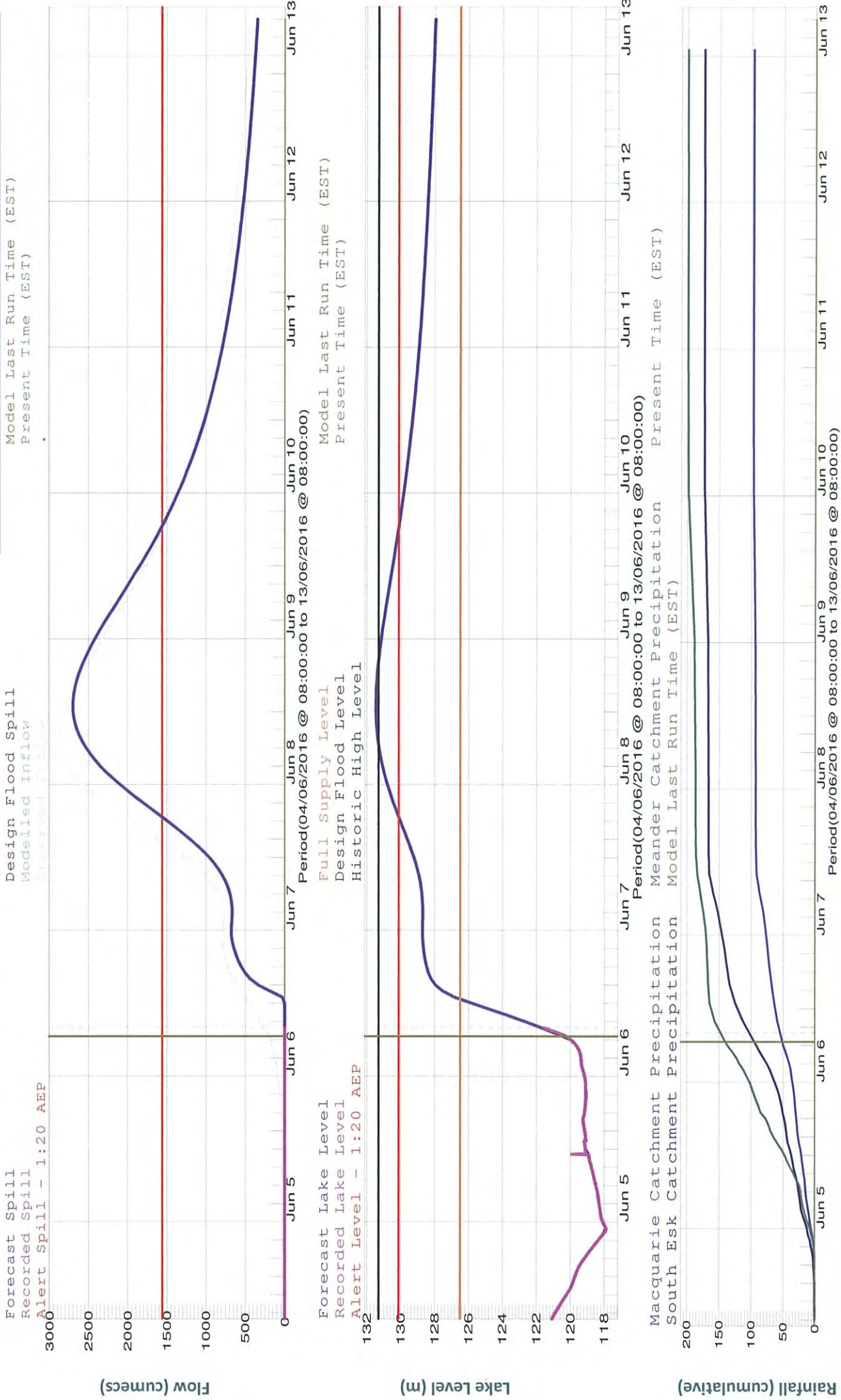
Threshold Level (m)	126.80	HH	124.77	Alert Level	124.02	FSL	121.92
Spill (m ³ /s)	2044.35	Spill (m ³ /s)	672.97	Alert Level	343.46	FSL	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:05 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:04:02 DSEP FLOOD ALERT Trevallyn Pond is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_158_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Trevallyn Pond is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 158.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Trevallyn Flood Forecast



Rainfall Gauge Availability (-6hrs, will be a low number during periods of no rainfall)

89 % Meander	71 % Macquarie
--------------	----------------

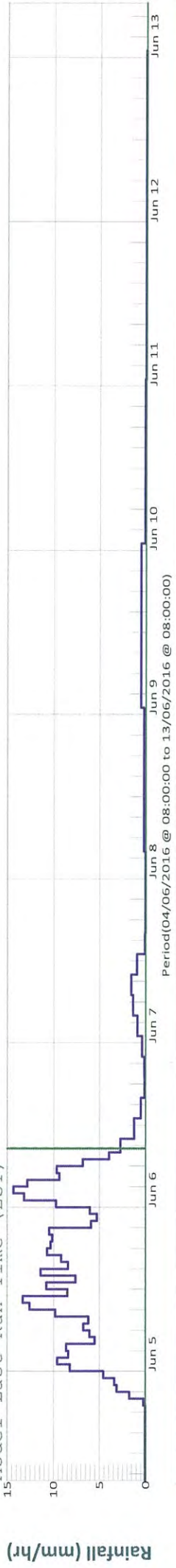
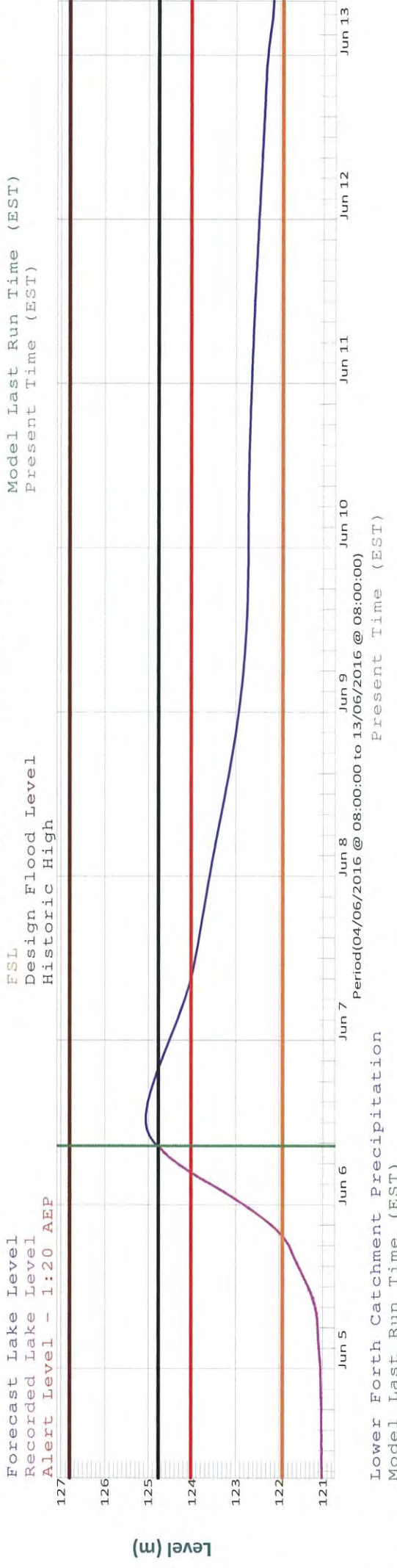
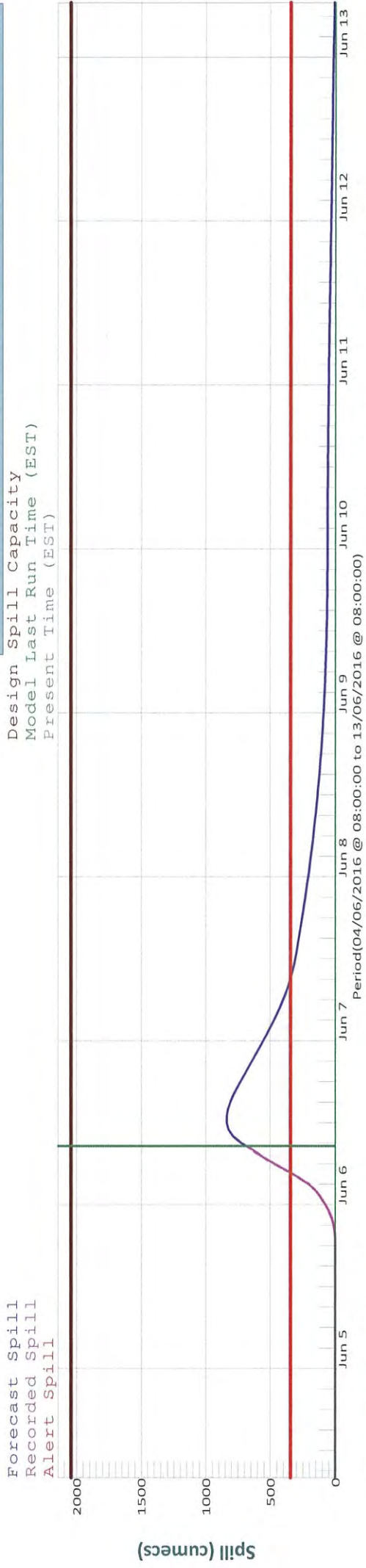
Threshold Level (m)	DFL	HH	Alert Level	FSL
131.30	136.05	2556.63	130.10	126.49
Spill (m ³ /s)	8365.93		1558.59	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:45:33 DSEP FLOOD ALERT Lake Barrington is approaching the historic high water level.
Attachments: oaa_604_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Barrington is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 604.1/204.30/1'

Lake Barrington Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



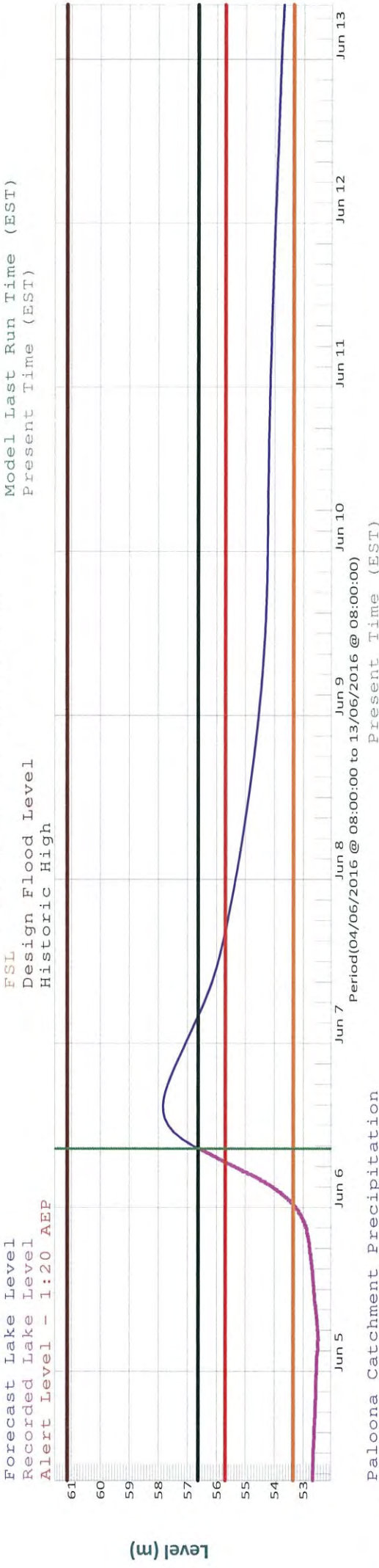
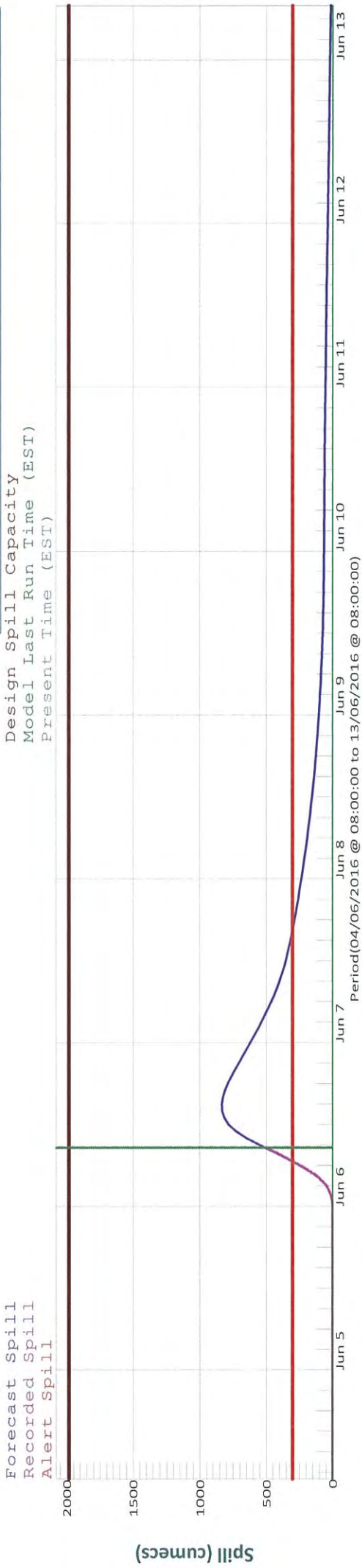
Rainfall Gauge Availability (-6hrs)		100 % Lower Forth		FSL	
Threshold Level (m)	126.80	HH	124.77	Alert Level	124.02
Spill (m ³ /s)	2044.35	DFL	672.97		343.46
					121.92
					0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 7:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 08:46:00 DSEP FLOOD ALERT Lake Paloona is approaching the historic high water level.
Attachments: oaa_627_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Paloona is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 627.1/204.30/1'

Lake Paloona Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



Rainfall Gauge Availability (-6hrs)		100 % Lower Forth		Threshold		Alert Level		FSL	
Level (m)	61.14	Level (m)	56.63	Level (m)	55.69	Level (m)	53.34	Level (m)	53.34
Spill (m ³ /s)	1980.79	Spill (m ³ /s)	509.96	Spill (m ³ /s)	300.26	Spill (m ³ /s)	0.00	Spill (m ³ /s)	0.00

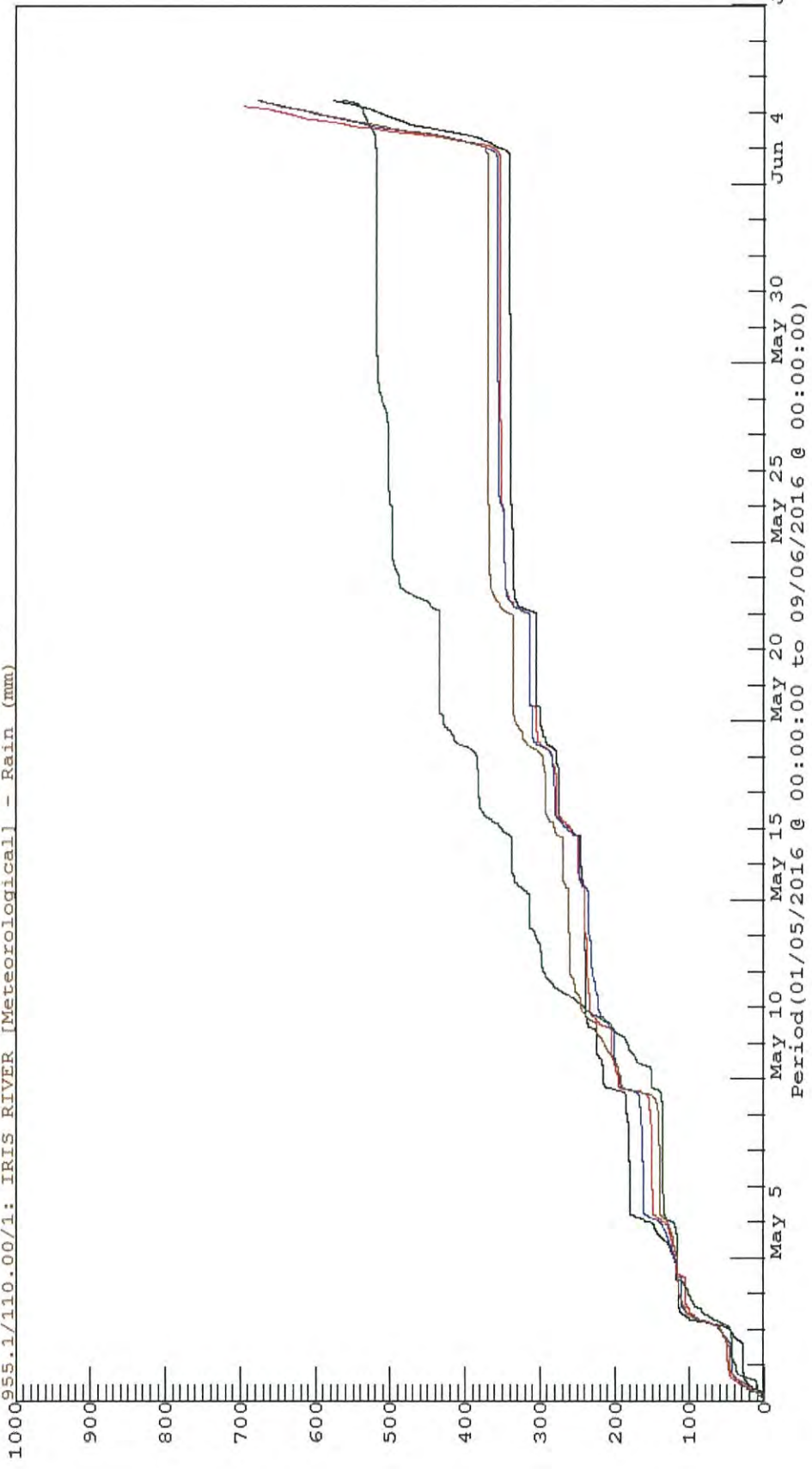
[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 8:50 AM
To: [REDACTED]
Subject: Rainfall since May
Attachments: UNTITLED.pptx

please add this slide to HSE presentation pack

Thank you

597.1/110.00/1: PINE TREE RIVULET [AT LAKE HIGHWAY] - Rain (mm)
 629.1/110.00/1: MACKENZIE LAKE [AT DAM] - Rain (mm)
 509.1/110.00/1: GWENDY LAKE [Meteorological] - Rain (mm)
 957.1/110.00/1: KING WILLIAM CREEK [No.1 SITE] - Rain (mm)
 955.1/110.00/1: IRIS RIVER [Meteorological] - Rain (mm)



[Redacted]

From: [Redacted]
Sent: Monday, 6 June 2016 9:26 AM
To: [Redacted]
Subject: [Redacted]

Not relevant to request

Good Morning,

The Daily Spot Market Report for Sunday 5th May, 2016:

- Rainfall in Tas has been higher than forecast over the past 24 hours.
- Historic high levels have been reached in the Mersey Forth and at Lake Augusta.
- Mersey Forth is on Spill, much of the West Coast and Lower Derwent is expected to be on spill over the next 24 hours.
- Despite this, forced outage of John Butters resulted in Gas peaker Generation over this morning's demand peak.
- Plant issues and access difficulties are reducing Mersey Forth Generation.

[Redacted]
Information exempt under Section 35 (1)(a) of the RTI Act 2009

[Redacted]
Information exempt under Section 35 (1)(a) of the RTI Act 2009

Regards,



[Redacted]
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 9:43 AM
To: [REDACTED] (dpipwe)
Cc: [REDACTED] (DPIPWE); [REDACTED] @dpipwe.tas.gov.au; [REDACTED] (DPIPWE);
Subject: South Esk - whole of catchment

Hi [REDACTED]
Can you and [REDACTED] please coordinate a S8/Floodtake for the South Esk, Macquarie and Meander catchments until midday Tuesday 14 June, unless advised otherwise.

[REDACTED]

Information exempt under Section 35 (1)(a) of the RTI Act 2009

Key issues:

- Access to due to significant rainfall and stream flows, as well expected large spill event at Trevallyn dam.
- Keep meter reading as appropriate.
- For the Macquarie only – people need to wait to see increases in stream flow before they commence pumping.

Cheers,
[REDACTED]

[REDACTED]

Water and Marine Resources Division
Department of Primary Industries, Parks, Water and Environment

Prospect Government Offices, 171 Westbury Road, Prospect 7250
PO Box 46, Kings Meadows TAS 7249 AUSTRALIA

[REDACTED]

Email: [REDACTED] @dpipwe.tas.gov.au
Web: www.dpipwe.tas.gov.au

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If the transmission contains advice, the advice is based on instructions in relation to, and is provided to the addressee in connection with, the matter mentioned above. Responsibility is not accepted for reliance upon it by any other person or for any other purpose.

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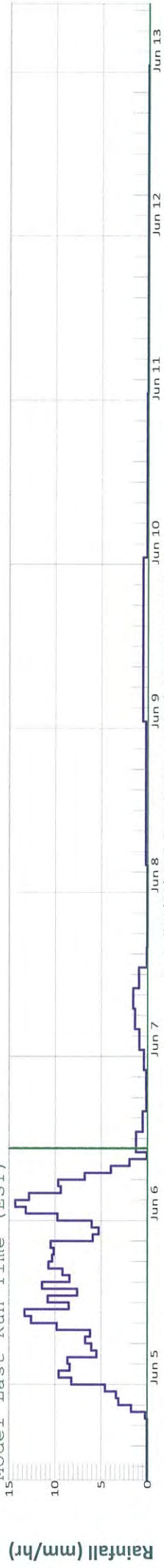
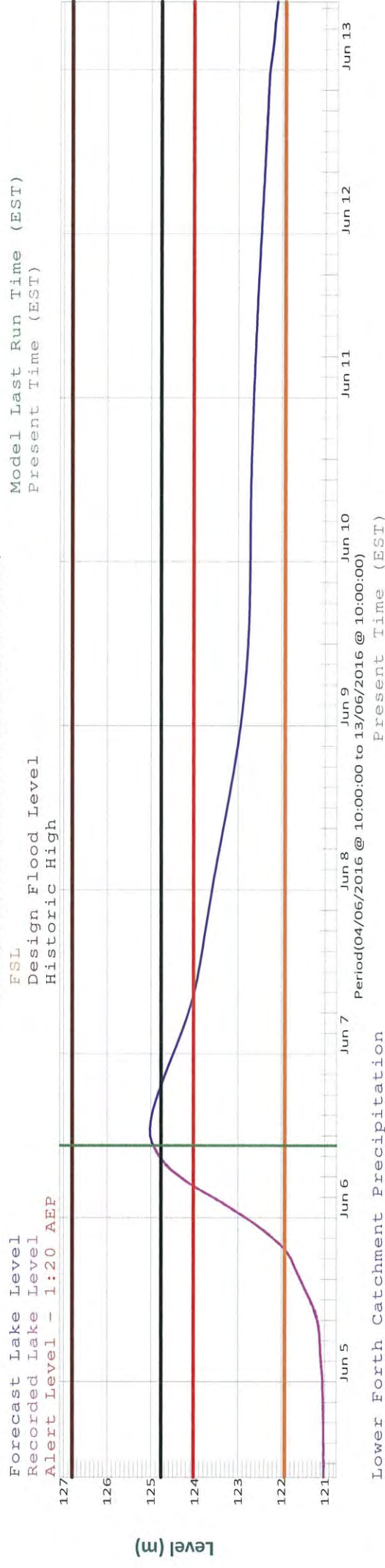
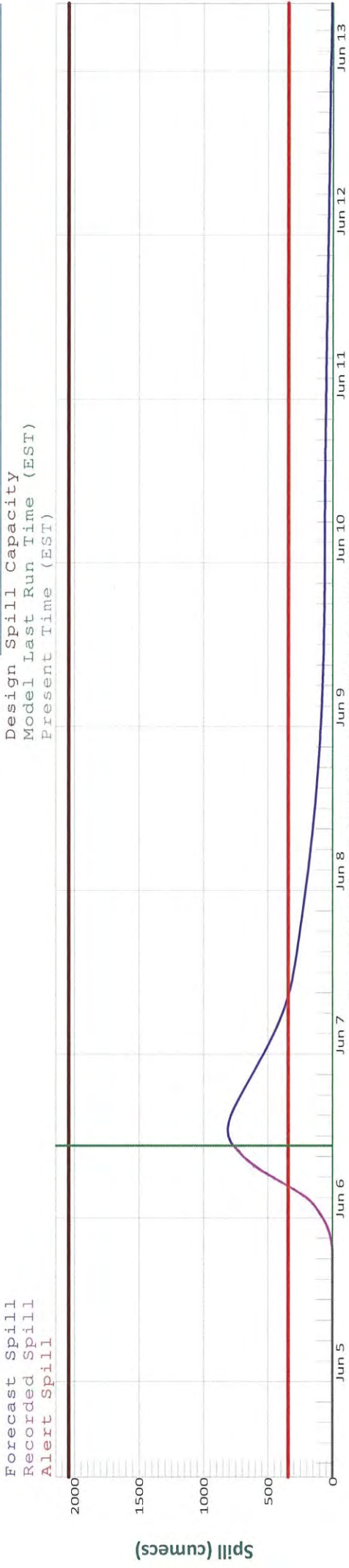
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From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 9:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 10:45:33 DSEP FLOOD ALERT Lake Barrington has exceeded the historic high water level.
Attachments: oaa_604_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Barrington has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 604.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Barrington Flood Forecast



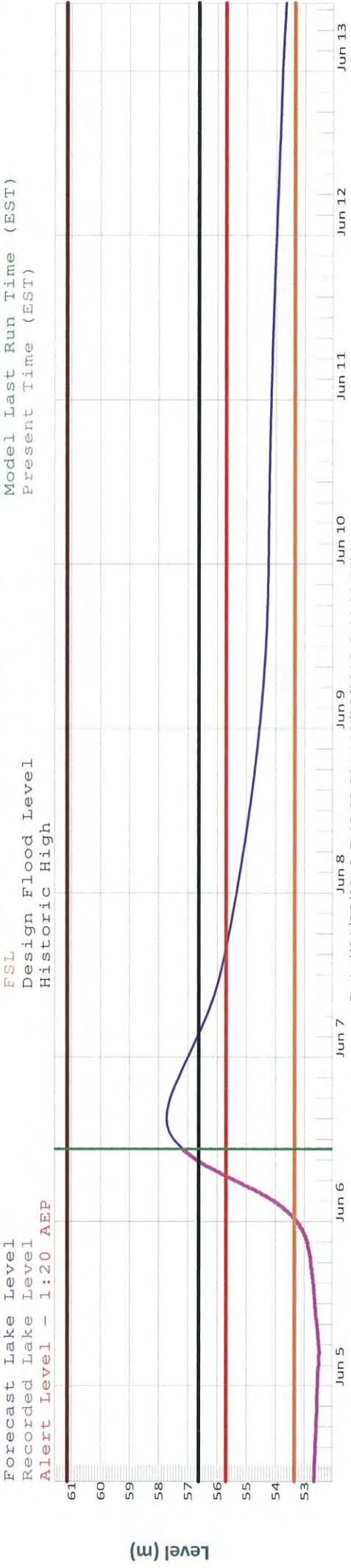
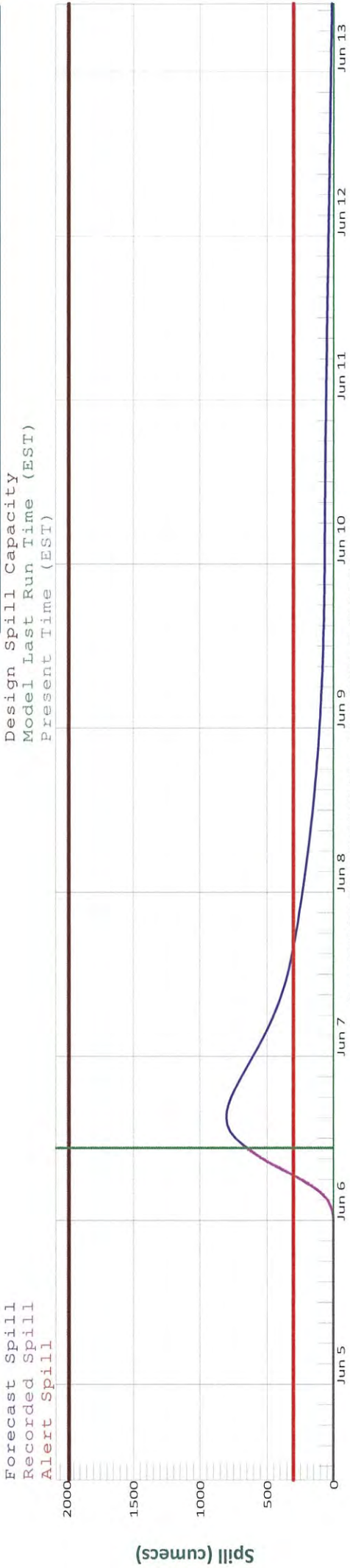
Rainfall Gauge Availability (-6hrs)		100 % Lower Forth		Threshold		Alert Level		FSL	
Level (m)	126.80	Level (m)	124.77	Level (m)	124.02	Alert Level	124.02	Level (m)	121.92
Spill (m ³ /s)	2044.35	Spill (m ³ /s)	672.97	Spill (m ³ /s)	343.46	Alert Level	343.46	Level (m)	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 9:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 10:45:58 DSEP FLOOD ALERT Lake Paloona has exceeded the historic high water level.
Attachments: oaa_627_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Paloona has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 627.1/204.30/2'

Lake Paloona Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



Rainfall Gauge Availability (-6hrs)		100 % Lower Forth		Alert Level		FSL
Threshold Level (m)	61.14	DFL	61.14	Alert Level	55.69	FSL
Spill (m ³ /s)	1980.79	HH	56.63	Alert Level	300.26	FSL
			509.96			53.34
						0.00

[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 9:54 AM
To: [REDACTED] (dpiowe); [REDACTED] (DPIPWE)
Cc: [REDACTED] 3 Hydro Tasmania staff
Subject: South Esk Flood Take

Hi

Hydro Tasmania approves DPIPWE to determine if temporary water allocations under section 90 of the Water Management Act 1999, and S8 flood takes can be issued to irrigators in the South Esk, Meander and Macquarie River catchments upstream of Trevallyn power station.

This approval expires at midday on Tuesday 14 June 2016.

Thank you

[REDACTED]

[REDACTED]

From: [REDACTED]
Sent: Friday, 3 June 2016 2:44 PM
To: [REDACTED] (dpiowe); [REDACTED] (DPIPWE)
Cc: [REDACTED]
Subject: RE: DMP Surety 8 South Esk

Hi

The Bureau of Meteorology is forecasting heavy rain across the north during the weekend and we anticipate that Trevallyn will go on spill during the weekend.

Rather than stop the current flood take and then potentially restart it when Trevallyn comes on spill, the current flood take period for S8 is extended until midday on 6 June 2016 (Monday) when it will be reviewed.

Thank you

[REDACTED]

[REDACTED]

View the latest water levels and flows at: <http://www.hydro.com.au/water/water-levels-and-flows-map>

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From: [REDACTED] (DPIPWE)
Sent: Monday, 30 May 2016 3:27 PM
To: [REDACTED] (DPIPWE); [REDACTED] (DPIPWE); [REDACTED] (DPIPWE)
Subject: DMP Surety 8 South Esk

Hello [REDACTED]

As discussed I have prepared the DMP and Access Notice for Surety 8 take on the St Pauls and South Esk Rivers. Reported flow is still above the S8 triggers for both rivers hence the 5 day Surety 8 period begins 6pm today and until 6pm Saturday 4 June.

Please note the DPIPWE flow plots has not reported the South Esk Llewellyn flow for several days and flow data has been obtained directly from Hydro wesite.

[REDACTED]
[REDACTED]

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[REDACTED]

From: [REDACTED]@bom.gov.au
Sent: Monday, 6 June 2016 10:30 AM
To: [REDACTED]
Subject: Data from Meander River at Deloraine [SEC=UNCLASSIFIED]

Hi [REDACTED]

Any chance to get recent WL data from your station at Deloraine?

Thanks

[REDACTED]

[REDACTED]

Flood Forecasting and Warning Section

[REDACTED]

"Important: This message may contain confidential or legally privileged information. If you think it was sent to you by mistake, please delete all copies and advise the sender."

[REDACTED]

From:

Sent:

[REDACTED]
Monday, 6 June 2016 11:47 AM

To:

Subject:

[REDACTED]
Any current photos of Devils gate or Parangana spill to share ?

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[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 11:48 AM
To: [REDACTED]
Subject: FW: Meander at Deloraine - [REDACTED]

Not relevant to request

[REDACTED] not sure if we will be able to get to site to fix !!



[REDACTED]
[REDACTED]@hydro.com.au
www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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From: [REDACTED]
Sent: Monday, 6 June 2016 11:42 AM
To: [REDACTED]
Subject: Meander at Deloraine - Still got its head above water.

Floodwaters in Deloraine, Tasmania

Back in Tasmania, floodwaters are still rising, and have made some roads impassable.



[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 11:50 AM
To: [REDACTED]
Subject: Flood Warnings

Comms Operational U... Weatherwatch	BOM: Flood Warning - Mersey River (TAS) [SEC=UNCLASSIFIED]
Comms Operational U... Weatherwatch	BOM: Flood Warning - Meander River (TAS) [SEC=UNCLASSIFIED]
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[Redacted]
[Redacted]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

View the latest water levels and flows at: <http://www.hydro.com.au/water/water-levels-and-flows-map>

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No trees were killed in the sending of this message, but a large number of electrons were terribly inconvenienced.

[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 11:52 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: [REDACTED] flood situation

Hi [REDACTED]

As discussed, would like to understand flood warning situation yesterday as it pertains [REDACTED] in north of state. Not relevant to request

[REDACTED]

<http://www.abc.net.au/news/2016-06-06/northern-tasmania-faces-worst-flood-crisis-in-decades/7479738>

[REDACTED] (http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDT20600.html).

Not relevant to request

Cheers,
[REDACTED]

**Hydro
Tasmania**
The power of natural thinking

[REDACTED]
[REDACTED] [@hydro.com.au](mailto:[REDACTED]@hydro.com.au)
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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[REDACTED]

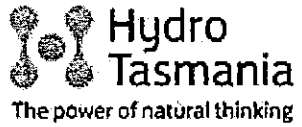
From: [REDACTED]
Sent: Monday, 6 June 2016 11:53 AM
To: [REDACTED]
Subject: RE: Flood Warnings

So you can't tell at a glance whether they're moderate or above...?

[REDACTED]

Not relevant to request

From: [REDACTED]
Sent: Monday, 6 June 2016 11:50 AM
To: [REDACTED]
Subject: Flood Warnings



[Redacted]
[Redacted]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 12:06 PM
To: [REDACTED]
Subject: FW: Meander at Deloraine - Still got its head above water.

Some photos seeing the Meander @ Deloraine gauging site not available.



[REDACTED]
w www.hydro.com.au

[REDACTED]
4 Elizabeth Street, Hobart TAS 7000

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From: [REDACTED]
Sent: Monday, 6 June 2016 11:48 AM
To: [REDACTED]
Subject: FW: Meander at Deloraine - Still got its head above water.

[REDACTED] not sure if we will be able to get to site to fix !!

Information exempt under Section 35 (1) (a) of the RTI Act 2009



[REDACTED]
@[hydro.com.au](mailto:[REDACTED]@hydro.com.au)

w www.hydro.com.au

4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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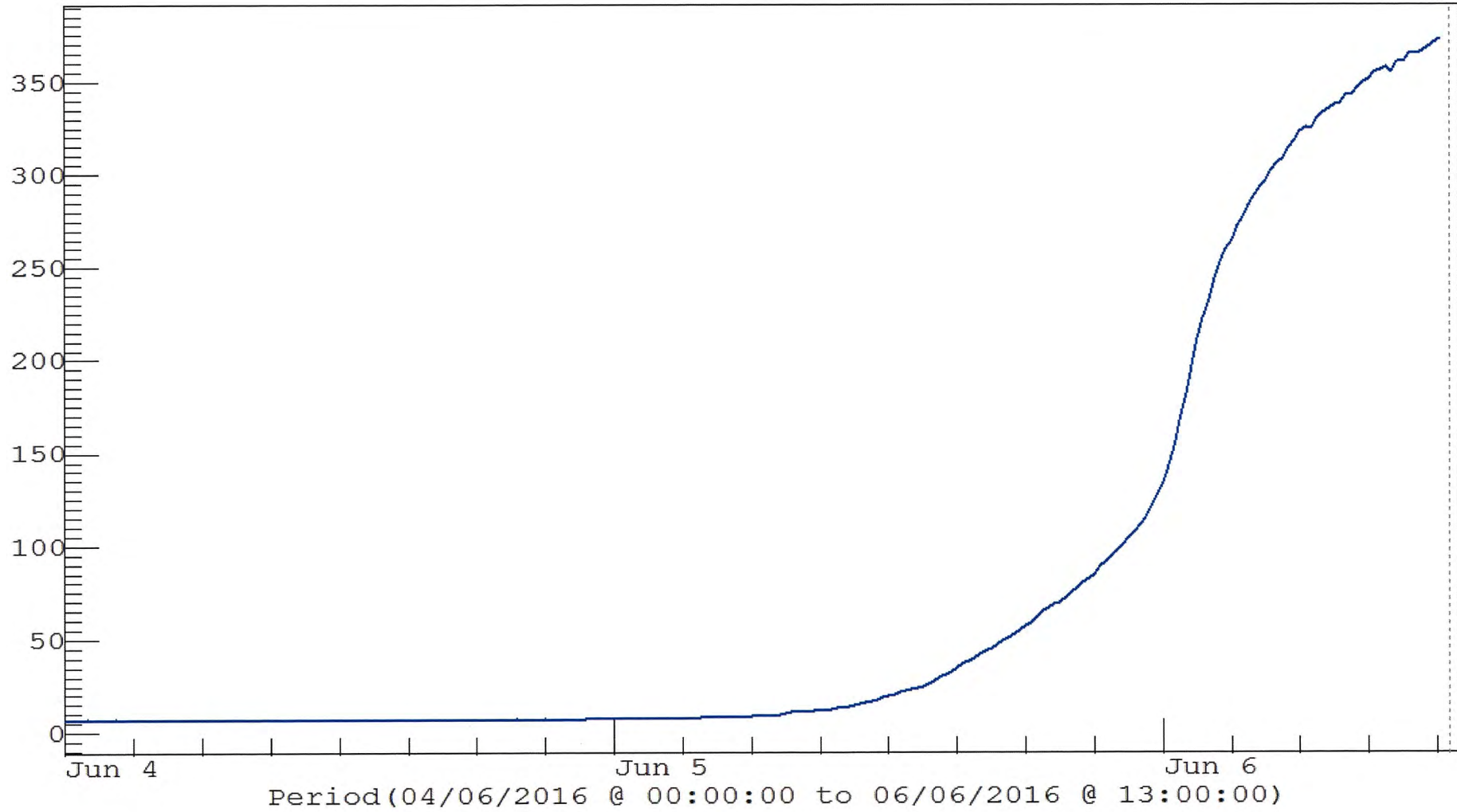
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To: [REDACTED]
Subject: Meander at Deloraine - Still got its head above water.

Floodwaters in Deloraine, Tasmania

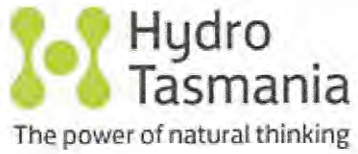
Back in Tasmania, floodwaters are still rising, and have made some roads impassable.



162.1/140.00/1: MEANDER RIVER [AT DELORAINA BRIDGE] - Flow (Cumecs)



Mark Willis | Hydrographic Data Co-ordinator



[Redacted]
[Redacted]@hydro.com.au

www.hydro.com.au

4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 1:12 PM
To: [REDACTED]
Subject: FW: 6th June Dam Safety Status Update - 1
Attachments: Heavy Rainfall - June Status.docx

[REDACTED] Not relevant to request

Note, Parangana was left off, however will be included on next update.



[REDACTED]
[REDACTED]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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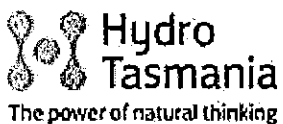
From: [REDACTED]
Sent: Monday, 6 June 2016 12:06 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: 6th June Dam Safety Status Update - 1

[REDACTED]

Please refer to dam safety status attached.

Please call me if you have any questions.

Regards,



[REDACTED]
[REDACTED]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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Emergency Event Message Form

Phone
 Verbal
 Electronic
 Inwards
 Outwards
 Internal

GENERAL MESSAGE:																																						
To: [REDACTED]	Position: [REDACTED]																																					
To: [REDACTED]	Position: [REDACTED]																																					
From: [REDACTED]	Position: [REDACTED]																																					
Subject: June Heavy Rainfall Event – Update Status 1	Date: 6/6/2016	Time: 10:00am																																				
MESSAGE:																																						
<p>Unprecedented rainfall has fallen across several of our catchments Mersey Forth, Trevallyn and South Esk in the last 24 hrs. Forecast shows rainfall easing with inflows further increasing storages and a wet week ahead.</p> <p>Several sites are approaching or exceeded historic high storage levels, refer to table below. Attempts to inspect dams have been hindered by road closures. Dam Safety personnel ([REDACTED]) made attempts to travel to Mersey Forth Area, however road closures have prevented them. They have been redirected to inspect Augusta, Woods Lake and Liawenee Canal. Daily dam safety checks have shown no dam safety concerns.</p> <p>River monitoring sites near cradle mountain and Fisher (upstream of Mackenzie) may have been lost, Surveillance Engineer currently investigating. Potential impact on flood forecasting models.</p> <p>Two small earthquakes received early this morning which are not of dam safety concern.</p>																																						
<table border="1"> <thead> <tr> <th>Dam (Lake)</th> <th>Over FSL</th> <th>Historic High</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Devils Gate (Lake Barrington)</td> <td>2.98m</td> <td>Exceeded historic high (+0.12m)</td> <td>Area staff attempting visual inspection.</td> </tr> <tr> <td>Rowallan</td> <td>0.85m</td> <td>Approaching historic high</td> <td>Forecasted to exceed historic high, Area staff to attempt inspection of dam. Road closure preventing access.</td> </tr> <tr> <td>Trevallyn</td> <td>-7.96m</td> <td>Approaching spill and historic high</td> <td>Area staff to inspect today, inspection 3 times per day while on spill</td> </tr> <tr> <td>Cethana</td> <td>5.14m</td> <td>Exceeded historic high (+1.08m)</td> <td>Area staff attempting visual inspection.</td> </tr> <tr> <td>Augusta</td> <td>0.58m</td> <td>Exceeded historic high (+0.25m) and 0.3m off design Flood Level</td> <td>Dam Safety team to inspect Dam and Liawenee Canal on route. Woods Lake also being inspected.</td> </tr> <tr> <td>Wilmot (Gardiner)</td> <td>2.87m</td> <td></td> <td>Area staff attempting visual inspection.</td> </tr> <tr> <td>Mackenzie</td> <td>0.9m</td> <td>Exceeded historic high (+0.37m)</td> <td>Area staff attempting visual inspection.</td> </tr> <tr> <td>Paloona</td> <td>3.79m</td> <td>Exceeded historic high (+0.51m)</td> <td>Area staff attempting visual inspection.</td> </tr> </tbody> </table>			Dam (Lake)	Over FSL	Historic High	Response	Devils Gate (Lake Barrington)	2.98m	Exceeded historic high (+0.12m)	Area staff attempting visual inspection.	Rowallan	0.85m	Approaching historic high	Forecasted to exceed historic high, Area staff to attempt inspection of dam. Road closure preventing access.	Trevallyn	-7.96m	Approaching spill and historic high	Area staff to inspect today, inspection 3 times per day while on spill	Cethana	5.14m	Exceeded historic high (+1.08m)	Area staff attempting visual inspection.	Augusta	0.58m	Exceeded historic high (+0.25m) and 0.3m off design Flood Level	Dam Safety team to inspect Dam and Liawenee Canal on route. Woods Lake also being inspected.	Wilmot (Gardiner)	2.87m		Area staff attempting visual inspection.	Mackenzie	0.9m	Exceeded historic high (+0.37m)	Area staff attempting visual inspection.	Paloona	3.79m	Exceeded historic high (+0.51m)	Area staff attempting visual inspection.
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Next update to be issued at 3.30pm 6th June 2016.

Signature:

Position:

REPLY:

Date:

Time:

Signature/Position:

Action to be taken

To be Actioned Information Only File

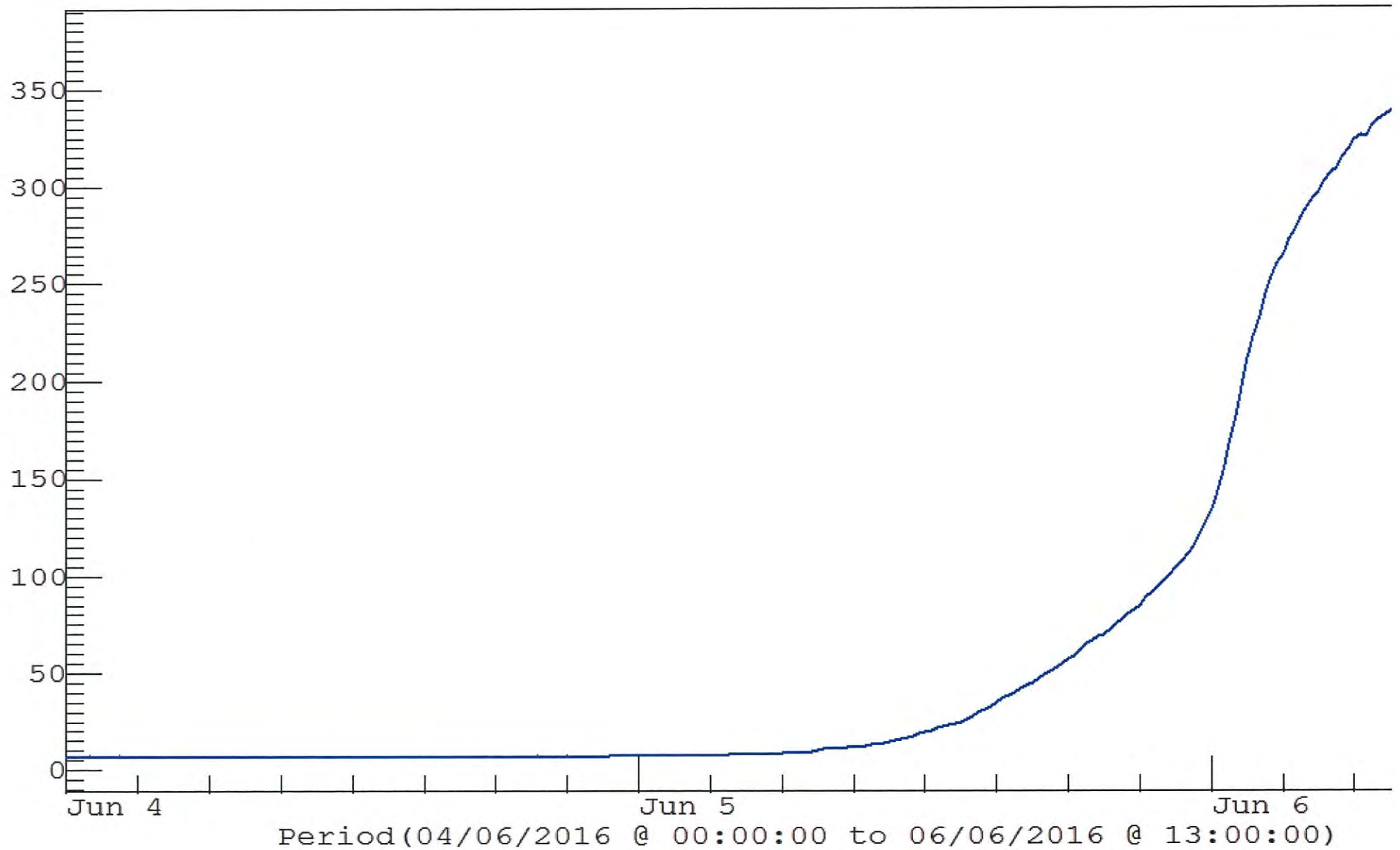
[REDACTED]

From: [REDACTED]@bom.gov.au
Sent: Monday, 6 June 2016 1:28 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Deloraine going again [SEC=UNCLASSIFIED]

Thanks!!!!

From: [REDACTED] [mailto:[REDACTED]@hydro.com.au]
Sent: Monday, 6 June 2016 12:32 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Deloraine going again

162.1/140.00/1: MEANDER RIVER [AT DELORAINA BRIDGE] - Flow (Cumecs)





[Redacted]
[Redacted]@hydro.com.au









www.hydro.com.au

4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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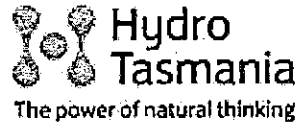
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From: [Redacted]
Sent: Monday, 6 June 2016 11:50 AM
To: [Redacted]
Subject: Flood Warnings

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w www.hydro.com.au
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View the latest water levels and flows at: <http://www.hydro.com.au/water/water-levels-and-flows-map>

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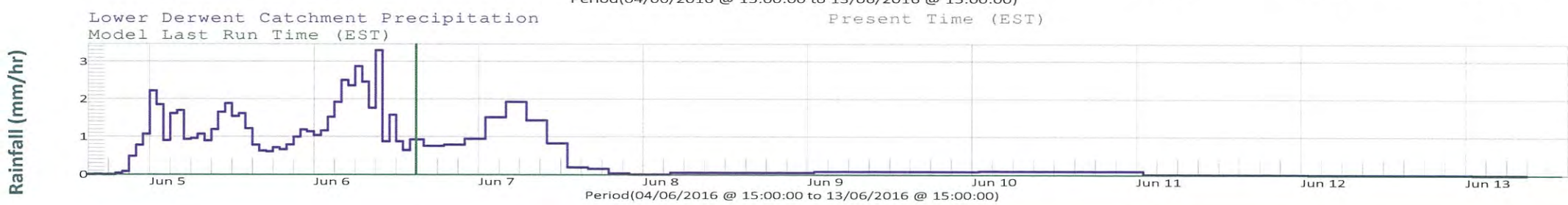
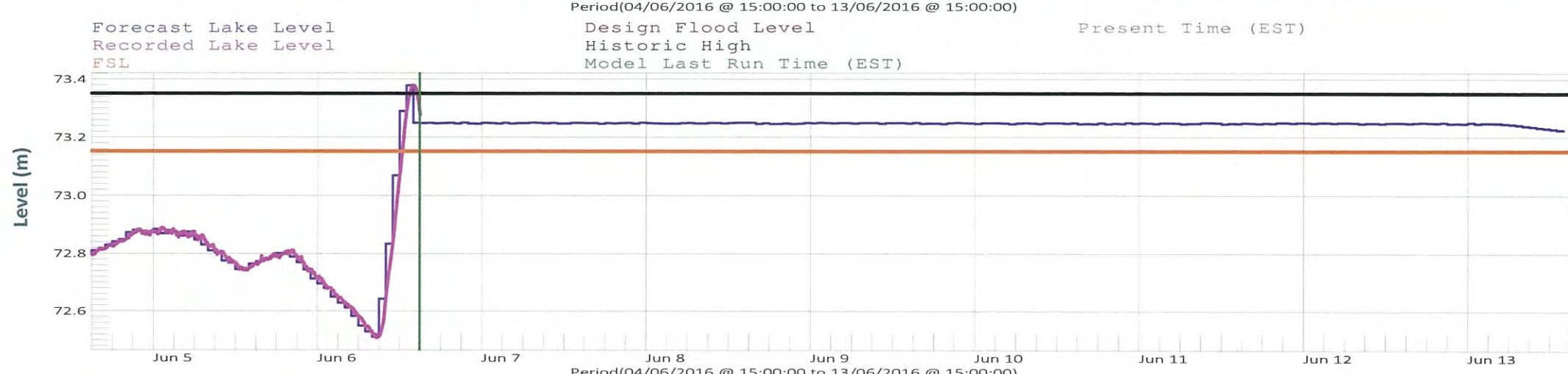
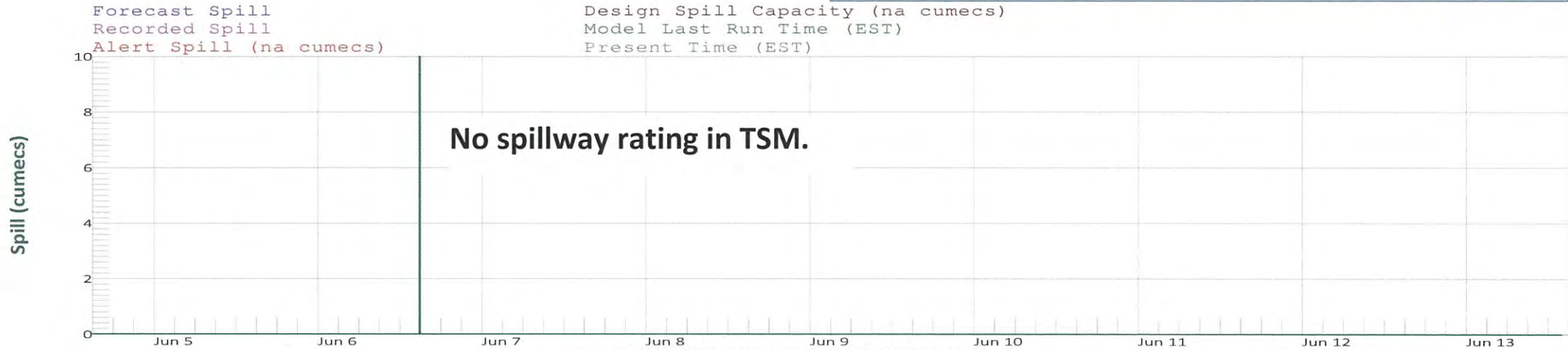
No trees were killed in the sending of this message, but a large number of electrons were terribly inconvenienced.

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 2:03 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 15:03:17 DSEP FLOOD ALERT Lake Meadowbank is approaching the historic high water level.
Attachments: oaa_565_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Meadowbank is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 565.1/204.30/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Meadowbank Historic High



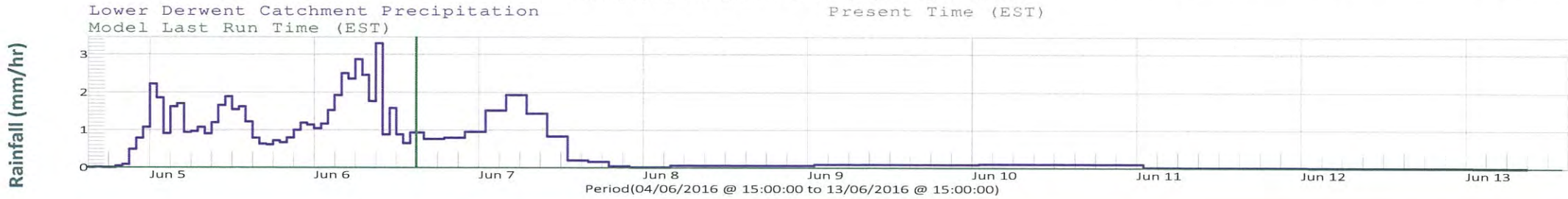
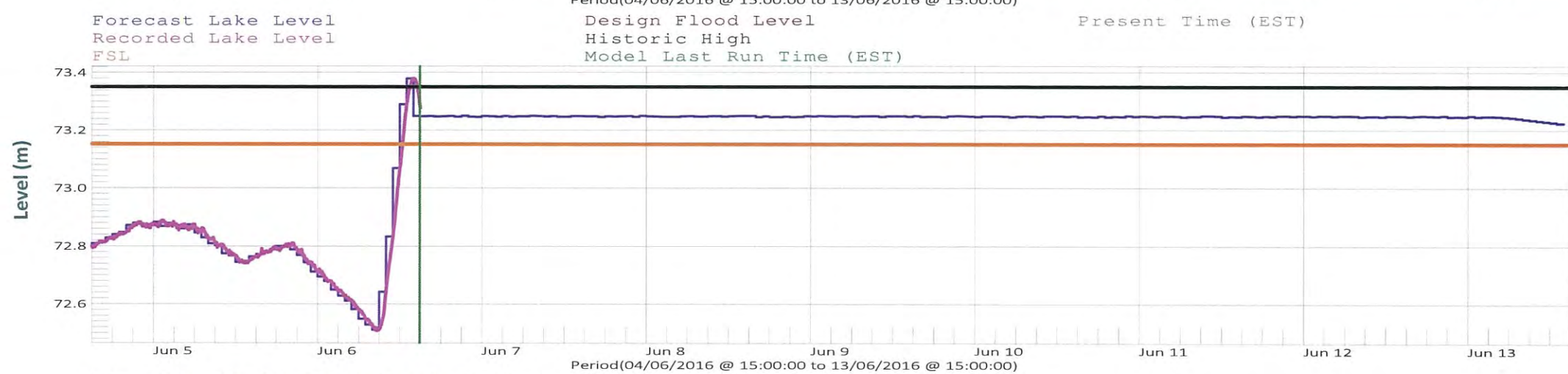
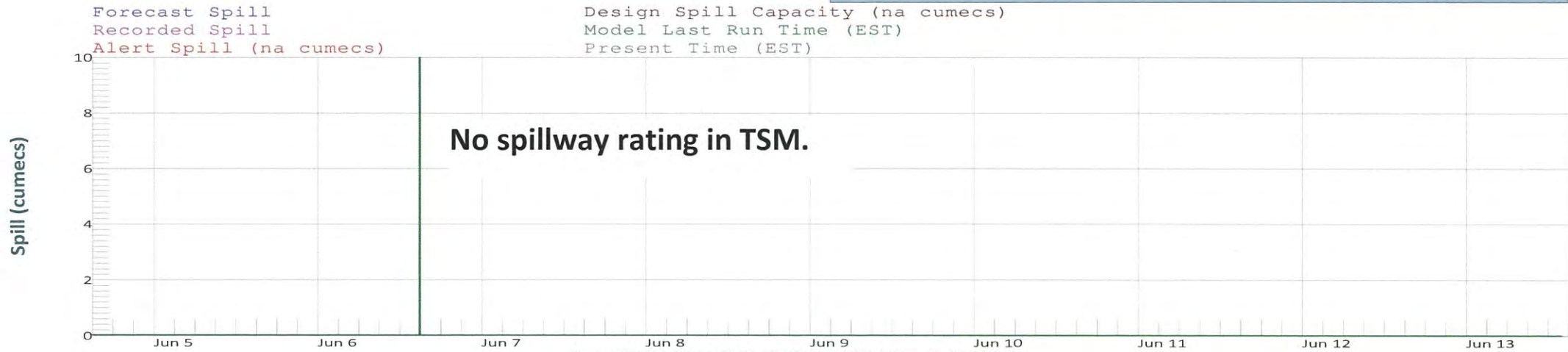
Rainfall Gauge Availability (-6hrs)	100 % Lower Derwent	Threshold	DFL	HH	FSL
		Level (m)	79.00	73.35	73.15
		Spill (m ³ /s)	NO CONV	NO CONV	NO CONV

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 2:04 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 15:03:33 DSEP FLOOD ALERT Lake Meadowbank has exceeded the historic high water level.
Attachments: oaa_565_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Meadowbank has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 565.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Meadowbank Historic High



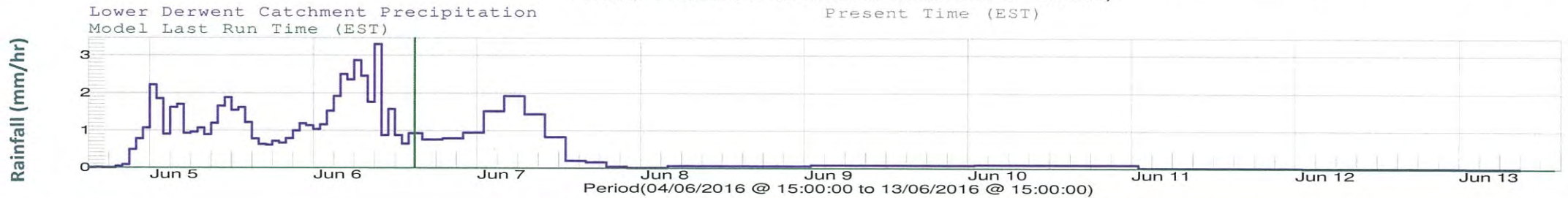
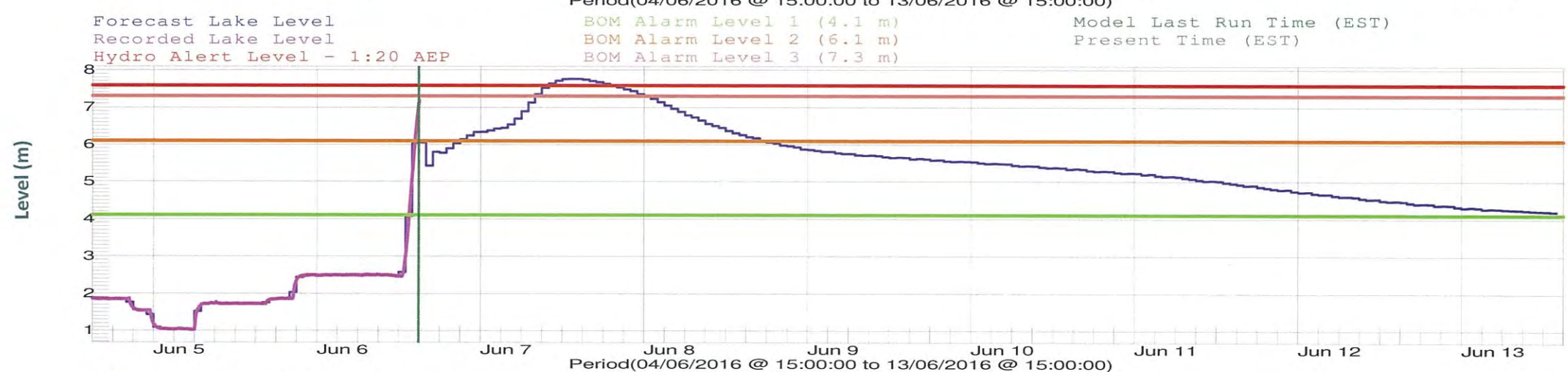
Rainfall Gauge Availability (-6hrs)	100 % Lower Derwent	Threshold	DFL	HH	FSL
		Level (m)	79.00	73.35	73.15
		Spill (m ³ /s)	NO CONV	NO CONV	NO CONV

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 2:05 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 15:04:19 DSEP FLOOD ALERT Derwent Below Meadowbank is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_715_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Derwent Below Meadowbank is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 715.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Derwent River below Meadowbank Flood Forecast



Rainfall Gauge Availability (-6hrs)	100 % Lower Derwent	Threshold	DFL	HH	Alert Level	FSL
		Level (m)			7.58	
		Spill (m ³ /s)			1084.91X	

From: [REDACTED]
Sent: Monday, 6 June 2016 2:09 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: [REDACTED] flood situation

Not relevant to request

Hi

There was an "INITIAL FLOOD WATCH FOR ALL NORTHERN AND EASTERN RIVER BASINS Issued at 11:57 am EST on Friday 3 June 2016" [REDACTED] that there is rain on the way and that if necessary flood warnings will be issued as required.

Not relevant to request

[REDACTED], flood watches and warnings (FW) were issued as follows:

Date	Time	Catchment	Warning / Watch
3/6/16	11:58am	Tasmania	Flood watch
4/6/16	3:17pm	Mersey	Flood warning
4/6/16	3:27pm	North Esk	Flood warning
4/6/16	3:50pm	South Esk	Flood warning
4/6/16	3:52pm	Meander	Flood warning
4/6/16	4:03pm	Tasmania	Flood watch
4/6/16	4:19pm	Macquarie	Flood warning
4/6/16	4:20pm	Forth	Flood warning
5/6/16	6:45am	Mersey	Flood warning
5/6/16	6:54am	South Esk	Flood warning
5/6/16	9:38am	Meander	Flood warning
5/6/16	9:40am	Forth	Flood warning
5/6/16	9:46am	North Esk	Flood warning
5/6/16	9:54am	South Esk	Flood warning
5/6/16	9:55am	Tasmania	Flood watch
5/6/16	10:03am	Mersey	Flood warning
5/6/16	10:11am	Macquarie	Flood warning
5/6/16	12:44pm	North Esk	Flood warning
5/6/16	12:55pm	South Esk	Flood warning
5/6/16	1:04pm	Mersey River	Flood warning

[Redacted]

Not relevant to request

[Redacted]

The Not relevant to request

first flood warning for the Derwent was:

"Initial Minor Flood Warning for the River Derwent - Issued at 10:36 pm EST on Sunday 5 June 2016"

[Redacted]

Not relevant to request

[Large redacted area]

[REDACTED]

Not relevant to request

Thank you

[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 11:52 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: [REDACTED] flood situation

Hi [REDACTED] Not relevant to request

As discussed, would like to understand flood warning [REDACTED]

[REDACTED]

[REDACTED]

<http://www.abc.net.au/news/2016-06-06/northern-tasmania-faces-worst-flood-crisis-in-decades/7479738>

[REDACTED] (http://www.bom.gov.au/cgi-bin/wrap_fwo.pl?IDT20600.html).

Cheers, Not relevant to request

[REDACTED]

[REDACTED]



[REDACTED]
[REDACTED]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 2:10 PM
To: [REDACTED]@bom.gov.au
Cc: [REDACTED]
Subject: Ouse at 3b Weir - errors ?

Importance: High

Hi [REDACTED],

FYI

Ouse at 3B weir looks wrong compared to upstream. We may take this one offline soon.



[REDACTED]
[REDACTED]@hydro.com.au
www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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From: [REDACTED]@bom.gov.au
Sent: Monday, 6 June 2016 1:28 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Deloraine going again [SEC=UNCLASSIFIED]

Thanks!!!!

From: [REDACTED] [[mailto:\[REDACTED\]@hydro.com.au](mailto:[REDACTED]@hydro.com.au)]

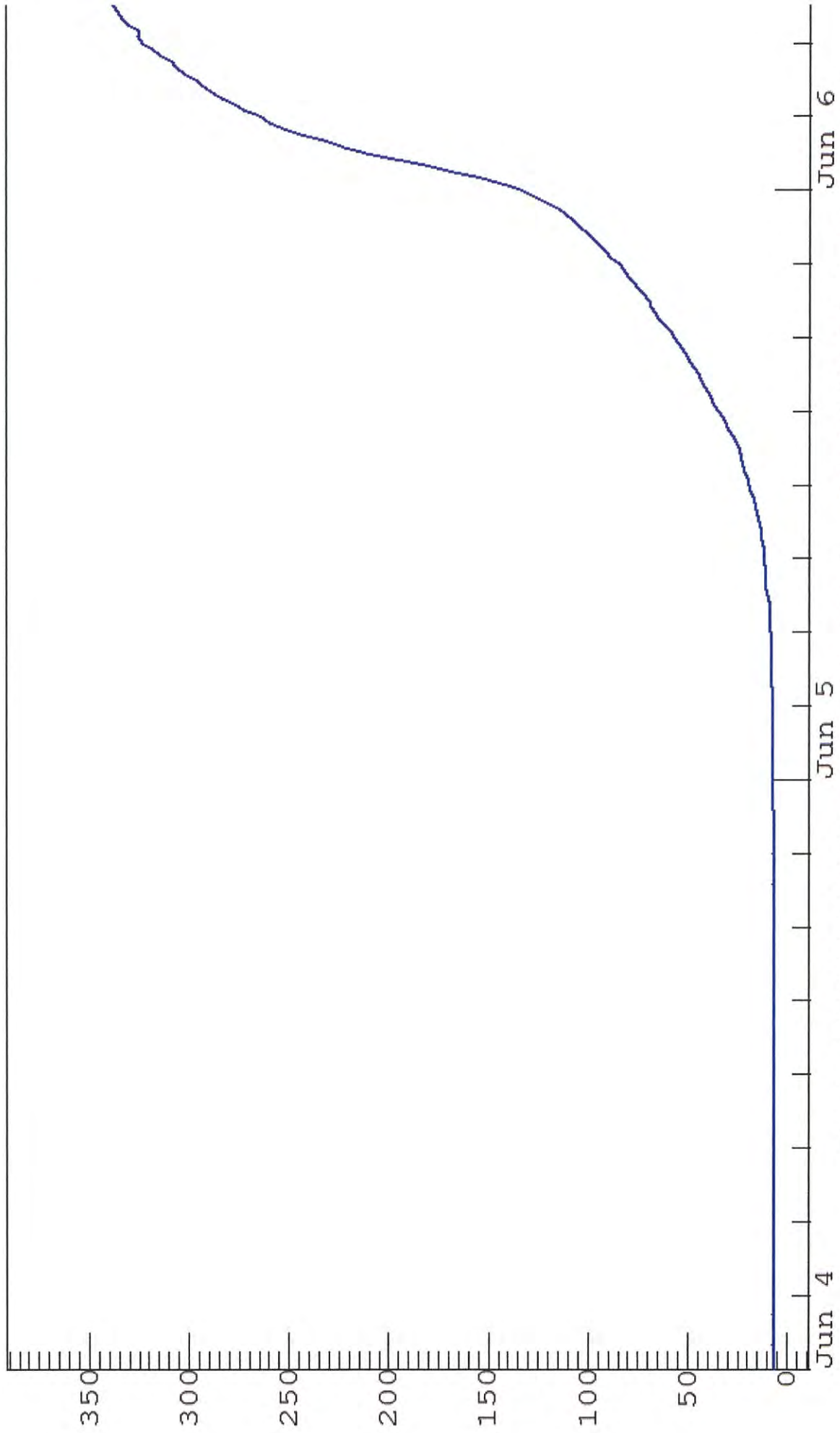
Sent: Monday, 6 June 2016 12:32 PM

To: [REDACTED]

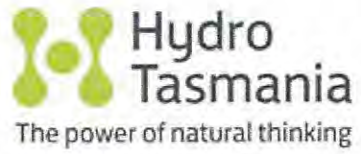
Cc: [REDACTED]

Subject: Deloraine going again

162.1/140.00/1: MEANDER RIVER [AT DELORAIN BRIDGE] - Flow (Cumecs)



Period(04/06/2016 @ 00:00:00 to 06/06/2016 @ 13:00:00)



[Redacted]
[Redacted]@hydro.com.au

www.hydro.com.au

4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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[REDACTED]

From:

Sent:

[REDACTED]
Monday, 6 June 2016 2:42 PM

To:

Subject:

[REDACTED]
Accepted: Further catchup re inflow event (incl prep/messages for nightshifts)

[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 2:59 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: flood situation Not relevant to request

thanks [REDACTED].

From: [REDACTED]
Sent: Monday, 6 June 2016 2:09 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: [REDACTED] flood situation Not relevant to request

Hi

[REDACTED]

[REDACTED]

There was an "INITIAL FLOOD WATCH FOR ALL NORTHERN AND EASTERN RIVER BASINS Issued at 11:57 am EST on Friday 3 June 2016" [REDACTED] that there is rain on the way and that if necessary flood warnings will be issued as required.

[REDACTED], flood watches and warnings (FW) were issued as follows: Not relevant to request

Date	Time	Catchment	Warning / Watch
3/6/16	11:58am	Tasmania	Flood watch
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4/6/16	4:03pm	Tasmania	Flood watch
4/6/16	4:19pm	Macquarie	Flood warning
4/6/16	4:20pm	Forth	Flood warning
5/6/16	6:45am	Mersey	Flood warning
5/6/16	6:54am	South Esk	Flood warning
5/6/16	9:38am	Meander	Flood warning
5/6/16	9:40am	Forth	Flood warning
5/6/16	9:46am	North Esk	Flood warning
5/6/16	9:54am	South Esk	Flood warning

5/6/16	9:55am	Tasmania	Flood watch
5/6/16	10:03am	Mersey	Flood warning
5/6/16	10:11am	Macquarie	Flood warning
5/6/16	12:44pm	North Esk	Flood warning
5/6/16	12:55pm	South Esk	Flood warning
5/6/16	1:04pm	Mersey River	Flood warning

[Redacted]

Not relevant to request

[Redacted] The

first flood warning for the Derwent was:

Not relevant to request

"Initial Minor Flood Warning for the River Derwent - Issued at 10:36 pm EST on Sunday 5 June 2016"

[Large Redacted Area]

[Redacted]

[Redacted]

Not relevant to request

Thank you

[Redacted]

From: [Redacted]
Sent: Monday, 6 June 2016 11:52 AM
To: [Redacted]
Cc: [Redacted]
Subject: [Redacted] flood situation

Hi [Redacted]

Not relevant to request

As discussed, would like to understand flood warning : [Redacted]

[Redacted]

Cheers.

Not relevant to request

[Redacted]

[Redacted]



[Redacted]
@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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[REDACTED]

[REDACTED]

Not relevant to request

-----Original Message-----

From: [REDACTED]

Sent: Monday, 6 June 2016 3:16 PM

To: [REDACTED]

Subject: Emailing: IMG_1729.jpg, IMG_1734.jpg, IMG_1742.jpg, IMG_1747.jpg, IMG_1750.jpg, IMG_1753.jpg, IMG_1754.jpg, IMG_1757.jpg, IMG_1759.jpg, IMG_1760.jpg, IMG_1764.jpg, IMG_1766.jpg, IMG_1767.jpg, IMG_1772.jpg

[REDACTED] Information exempt under Section 35 (a)(i) of the RTI Act 2009

Devils Gate and Paloona pics, [REDACTED]

Also the pic of the road being damaged is the access road to Paloona, basically the spill cutting across there.

Assuming the same at Cethana with the record spill, [REDACTED]

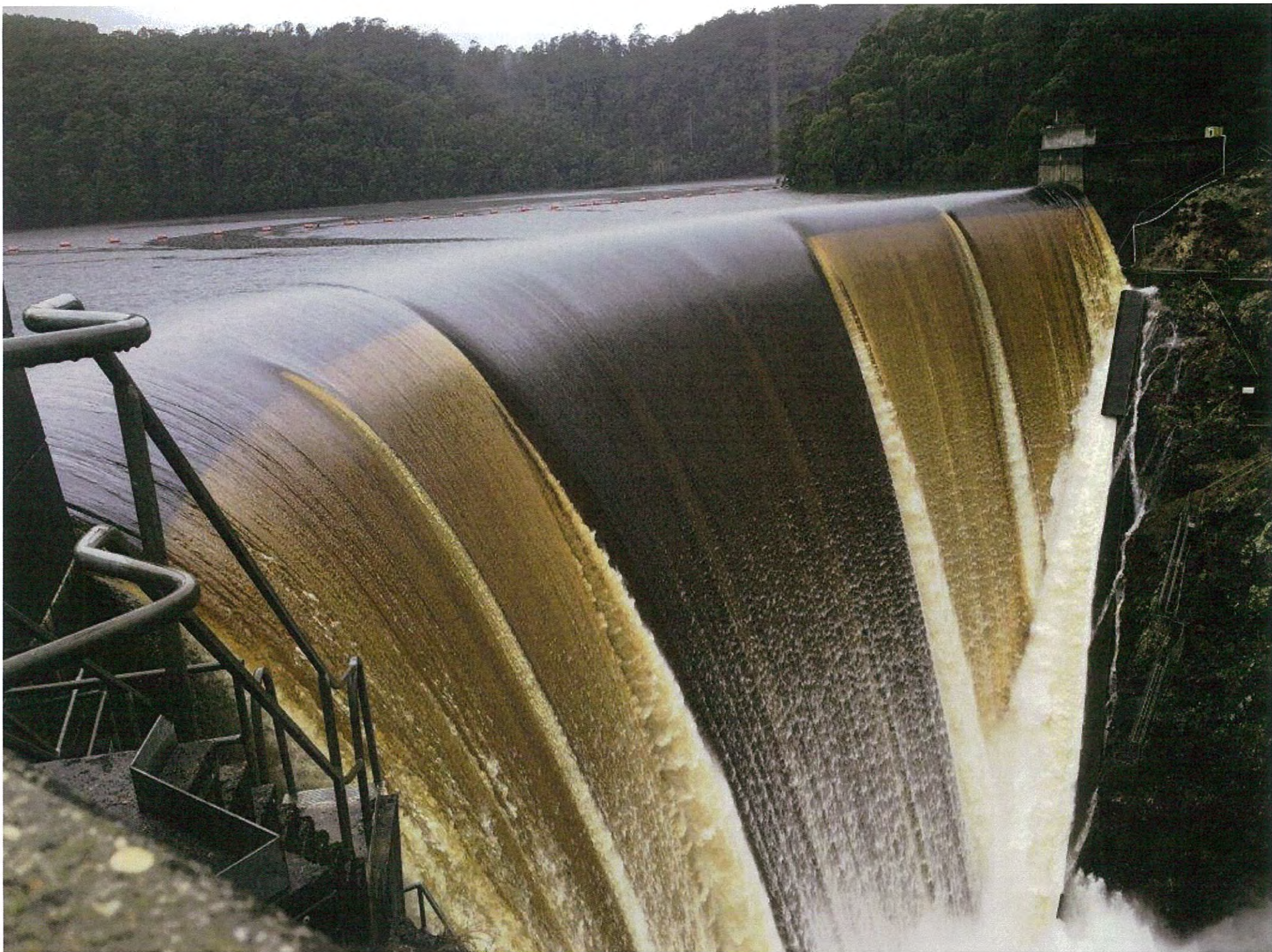
[REDACTED] Information exempt under Section 35 (a)(i) of the RTI Act 2009

Cheers,
[REDACTED]



























[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 3:25 PM
To: [REDACTED]
Subject: FW: Weather and plant situation

[REDACTED],

Answers the switch to local/remote question!

From: [REDACTED]
Sent: Monday, 6 June 2016 12:47 PM
To: [REDACTED]
Subject: RE: Weather and plant situation

Hello [REDACTED], all good for GO2, will need local operator to start though.
Regards,
[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 9:28 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: Weather and plant situation

Hi All,

Things are moving quickly but here is the situation this morning. The extreme North East rainfall event first forecast last Thursday has arrived and is wide spread. Last Friday we recalled the TR2 MIV outage which had just started (return by lunch time today), reduced the DG bathymetric survey outage and worded a few people up on what could be coming.

Cancelled today:

- LM1 maint outage for today
- DG bathymetric works for Mon-Wed, completely cancelled
- WY3 maint outage for today

Continuing:

- TU2 uprating of machine today
- GO machine's elec prot **but may need to recall at short notice** due to other plant failures

Asset Events:

- JB Failed to stop Sunday morning. CB trip coil fault, opened off the transline to get the machine off.
- Yeates Creek pump – flooded.
- FS 4B trip on high tailrace level (creek blocked?)
- WL blocked trash racks, running at low load
- CE transformer high temperature, running on low load
- TR station trash racks blocked, running on low load

We are unable to run Poatina station due to flooding in the Macquarie River downstream so with the reduced capacity from plant issues we are struggling to find enough. Option is to cancel the GO1 and TU2 works today but we will continue for now and see if we can recover some plant.

Launceston is experiencing flooding in the Riverside area. Trevallyn is not yet on spill but it will be big when it does go. Mersey Forth is all on spill, some at high levels (Cethana 5m, Parangana 3m) and August has 3m. The rainfall has also reached West Coast (Reece only spill at the moment). More expected today to keep things ticking along. Expect some records to be broken.

With the flooding it may not be possible to get to some stations.

DRIVE CAREFULLY.

Regards

[Redacted signature line]

[Redacted signature line]

[@hydro.com.au](mailto:hydro.com.au)

www.hydro.com.au

4 Elizabeth Street, Hobart TAS 7000

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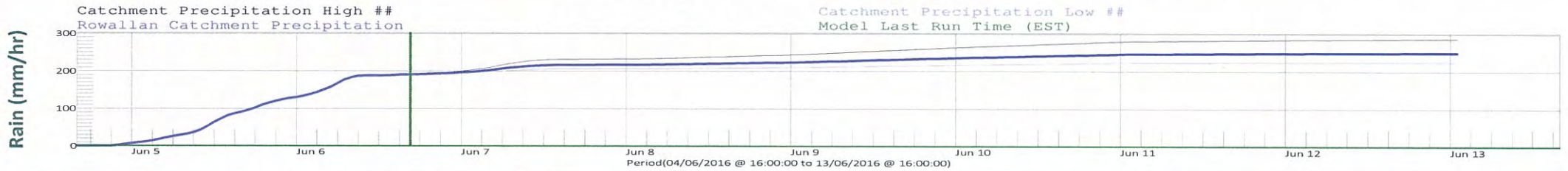
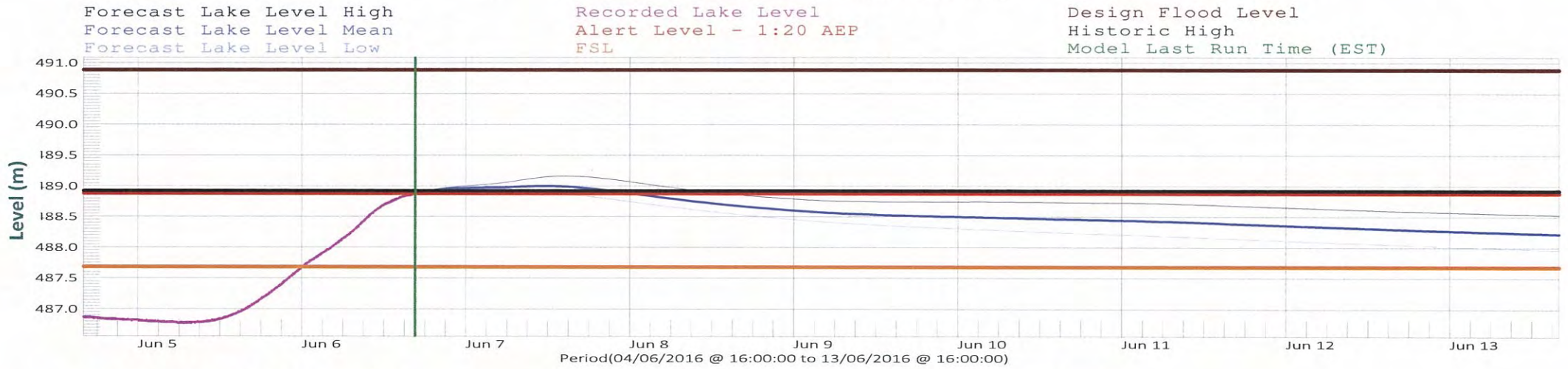
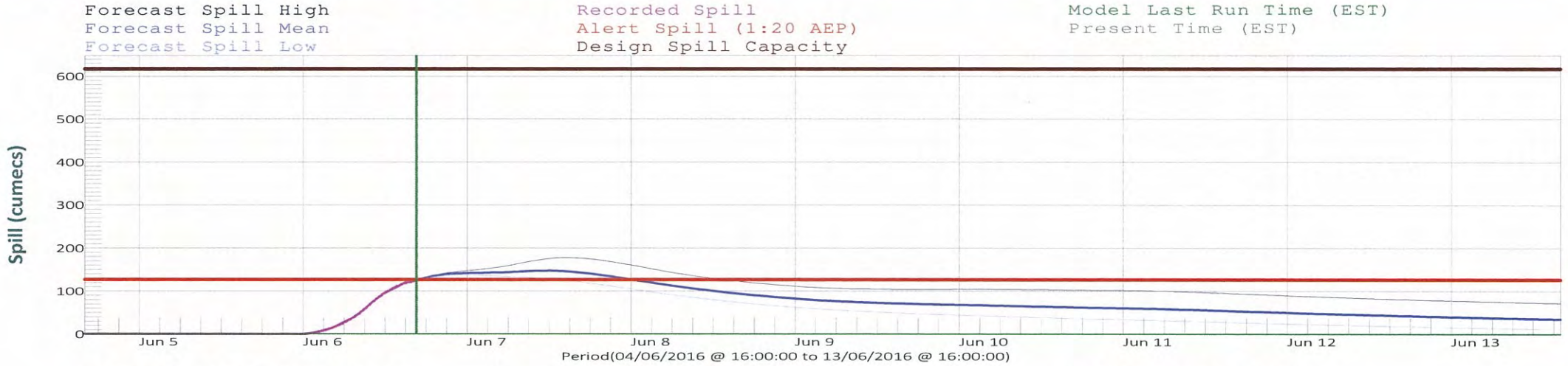
From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 3:46 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 16:45:47 DSEP FLOOD ALERT Lake Rowallan is approaching the historic high water level.
Attachments: oaa_562_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Rowallan is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 562.1/204.30/1'

Lake Rowallan Flood Forecast

Some graph traces will only appear when the lake level approaches that value.

Threshold	DFL	HH	Alert Level	FSL
Level (m)	490.88	488.92	488.88	487.68
Spill (m ³ /s)	616.78	132.90	125.98	0.00



The High and Low level forecast is calculated by combining the rainfall forecast uncertainty and the DRIP-DSEP model uncertainty.

Rainfall forecast uncertainty: High and Low are based on the 25% and 75% probability of exceedance of tomorrow's forecast, applied to full forecast.

DRIP-DSEP model uncertainty: Based on 25% and 75% probability of exceedance over 7 days, which equates to a range of -0.03m to 0.03m (lake level) at day 7.

Rainfall Gauge Availability (-6hrs)

100 % Rowallan

[Redacted]

From: [Redacted]
Sent: Monday, 6 June 2016 4:32 PM
To: [Redacted]
Cc: [Redacted]
Subject: System Capacity (Poatina and Gordon) during the current floods
Importance: High

Hi,

Due to severe downstream flooding risk, **Poatina is only to be used as an absolute last resort** [Redacted].

If you do have to use Poatina, please do so, and immediately following your action inform [Redacted] or [Redacted] if [Redacted] not available.

Also escalate if you lose more than 100MW through forced outages.

Also note that Gordon #2 is bid unavailable [Redacted].
If however machine is required [Redacted] it can be started, but must be then left online.

You would use Gordon #2 before Poatina (needs an operator to start).

Regards,

[Redacted]



[Redacted]
[Redacted]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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[Redacted]

From: [Redacted]
Sent: Monday, 6 June 2016 5:23 PM
To: [Redacted]
Cc: [Redacted] (DPIPWE) ([Redacted]@dpiwwe.tas.gov.au)
Subject: 6th June Dam Safety Status Update - 2
Attachments: Heavy Rainfall - June Status - 2.docx

All,

Please find attached our latest Dam Safety Status update.

This afternoon has been busy, apologies in the delayed update.

Please contact me if you have any questions regarding this update.

[Redacted] will resume the [Redacted] role this evening.

Information exempt under Section 35(1) (a) of the RTI Act 2009

Regards,

[Redacted]



[Redacted]
@hydro.com.au
www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

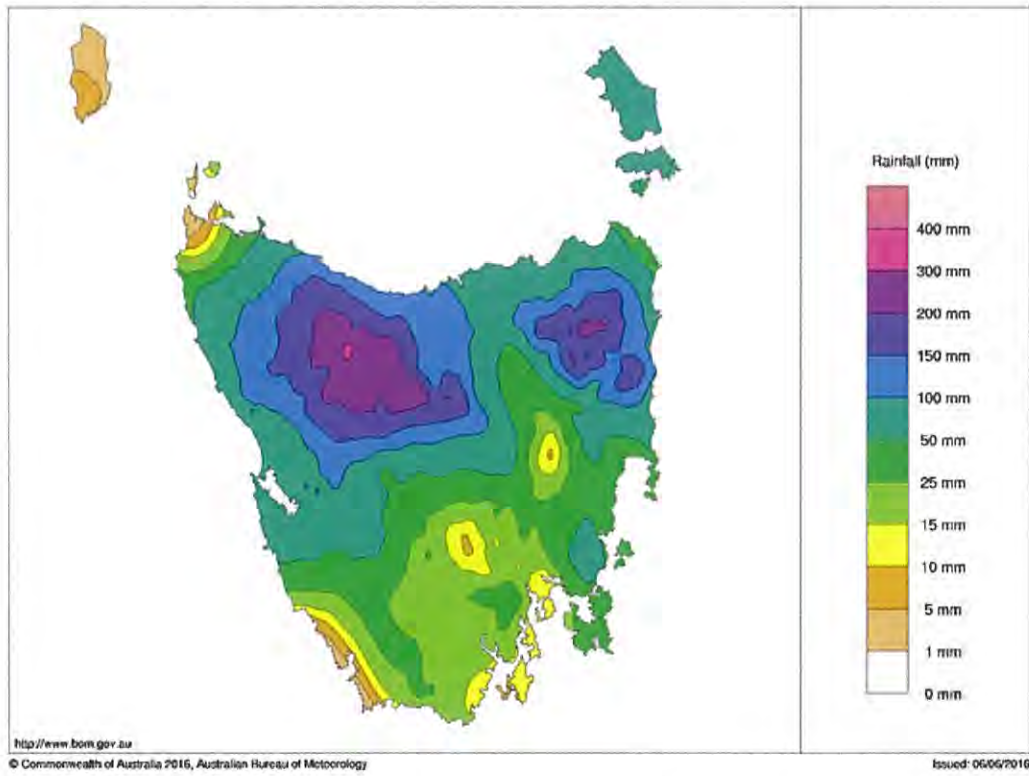
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Emergency Event Message Form

Phone
 Verbal
 Electronic
 Inwards
 Outwards
 Internal

GENERAL MESSAGE:		
To: [REDACTED]	Position: [REDACTED]	
To: [REDACTED]	Position: [REDACTED]	
From: [REDACTED]	Position: [REDACTED]	
Subject: June Heavy Rainfall Event – Update Status 2	Date: 6/6/2016	Time: 5:00pm
MESSAGE:		

Unprecedented rainfall has fallen across several of our catchments Mersey Forth, Trevallyn and South Esk . Several storages have seen historic highs and the majority of these are receding with reduced inflows. A selection of dams have been reported , next page, which are either of interest or have seen historic highs. Rainfall across catchments will continue over the week.



Local site and dam safety personnel have inspected several dam safety sites, despite various road closures around the state. These inspections have indicated **no current dam safety concerns**.

Several remote monitoring sites are offline (7 hydrometric – 4 potentially washed away/inundated – 2 Ouse river, Fisher and Cradle Mountain. These may affect flood forecasting models which run 2 hourly. **All lake level sensors are operational.**

A request has been made to undertake visual surveillance on Mersey Forth Dams again tomorrow 7/6/2016.

Two small earthquakes received early this morning which are not of dam safety concern.

Dam (Lake)	Approx. Current spill over FSL	24hr Forecast Storage Trend	Historic High Reached in Storage	Response
Devils Gate (Lake Barrington)	2.09m	↓	Exceeded historic high (+0.12m)	Area staff completed visual inspection with no dam safety concerns . Dam Safety monitoring offline.
Rowallan	1.2m	↑	Approaching historic high	Forecasted to exceed historic high in the next 24hrs. Area staff completed visual inspection with no dam safety concerns .
Trevallyn	1.5m	↑	-	Area staff to inspected today, inspection 3 times per day while on spill.
Cethana	4.4m	↓	Exceeded historic high (+1.08m)	Area staff completed visual inspection with no dam safety concerns .
Augusta	0.5m	↓	Exceeded historic high (+0.19m) and 0.3m off design Flood Level	Dam Safety team inspected, no dam safety concerns . Remote monitoring offline – v-notch only.
Wilmot (Gardiner)	1.6m	↓	-	Area staff completed visual inspection with no dam safety concerns .
Mackenzie	0.6m	↓	Exceeded historic high (+0.5m)	Area staff unable to visual inspect due to road access . Over 350mm rain fallen in the last 24hrs. Peak observed at 9pm 5/6/2016.
Paloona	4.3m	↓	Exceeded historic high (+1.096m)	Area staff completed visual inspection with no dam safety concerns . [REDACTED]
Parangana	1.9m	↓	Exceeded historic high (+0.07m)	Area staff have made attempts to inspect dam, no report back as yet. Flooded v-notch due to spill.
Woods Lake	-1.35m	↑	-	Dam Safety team inspected, no dam safety concerns .
Murchison	-0.7m	↑	-	Catchment has not been subjected to inflows seen in the Mersey Forth. Forecasting to go on 1m spill.
Meadowbank	Gate controlled	↑	-	Meadowbank now on spill. Spillway Gate maintenance performed on Friday. Some uncertainty in inflows due to Ouse River flow monitoring sites down.
Lake Margaret	-0.4m	↑	-	Not on spill.
Pine Tier	1.6m	↓	-	Forecasting model not performing well with rainfall event.
Catagunya	-0.5m	↑	-	Dam Safety monitoring offline.

Not relevant to request

Next update to be issued tomorrow morning, 7 th June 2016.		
Signature:		Position:
REPLY:		
Date:	Time:	Signature/Position:

Action to be taken

To be Actioned Information Only File

[REDACTED]

From: [REDACTED]
Sent: Monday, 6 June 2016 5:32 PM
To: [REDACTED]
Cc: [REDACTED]
Subject: Filenote: Flood management discussions and decisions on Monday 6 June 2016

Hi,

The following is a file note of our flood management decisions and discussion on Monday 6 June 2016

Friday 3rd June

- Trevallyn 2 outage recalled on Friday 3rd June in anticipation of high inflows in North of the state

Monday 6th June 2016

Dam safety

- 9am [REDACTED] meets with Dam Safety team to ensure they are aware of multitude of Dam safety alerts and that they don't require further updates from Spot Trading team, which was confirmed

Ouse

- Prior to 4am Spot Trading night shift informs BOM regarding flood risks around the state including Ouse (260 cumecs at the time)
- ~10am Several phone calls made starting by [REDACTED] to reiterate that major flood warning is more prudent than the minor warning they had in place (BOM updated to major flood warning at 12:10)
- ~10:45 [REDACTED] informed By [REDACTED] that a person was missing near Ouse river
- ~12pm Manager Production & Maintenance ([REDACTED]) contacts Spot Trading team to gather data about current operation that may be affecting Ouse in order to inform police.
- ~3pm Police Contact Dam Safety team ([REDACTED]) who defers the Ouse questions to [REDACTED] ([REDACTED]). Advice is that Hydro is unable to reduce flooding at Ouse or downstream.

Tarraleah

- 12pm: Decision made to cease discharge from King William, station to run on canal pick-ups only, given it has ~90% chance of spill but was backing off spilling station at times. Downstream flood risk is also discussed and considered in the decision. This is expected to reduce Tarraleah output by 65MW.

Tungatinah

- 11:30am Tungatinah pushed up higher in the merit order as not yet spilling, but maximum running targeted where demand allows it. Not running of the station would result in spill so not an option for downstream management. Daily outages to increase capacity to 30MW per machine can proceed due to a dip in demand mid-day.

Poatina

- 11:30: Formal decision made to only run Poatina as a last resort due to downstream flood risk (No running was occurring or planned even prior to decision)
- 4:32pm Email sent by Spot Trading Manager ([REDACTED]) to Spot Trader to ensure future shifts are aware of the decision and escalate any forced running to management

Gordon/Capacity

- 10:30 Daily outages cancelled to ensure maximum possible capacity is available (to avoid forcing Poatina running). Some work will continue but all units are available. Gordon #2 bid unavailable due to [REDACTED]

[redacted] and Spot Traders made aware that if it has to be used, it could, and to do so in preference to Poatina. A&I contacted to confirm that risk is manageable/appropriate for 1 start.

- To manage spill risk and capacity risks (if numerous contingencies/plant failures occur) Lemonthyme, Devils Gate and Wayatinah outages cancelled.

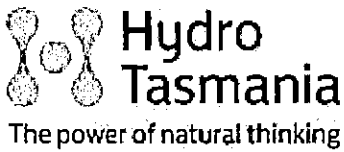
Rowallan

- 10:30 Station is spilling along with the downstream – kept online as running regime would not affect downstream outcomes, but would force more Gordon/gas running on the peaks if not generating.

Please let me know if you spot any errors or omissions.

Regards,

[redacted]



[redacted]
[redacted]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

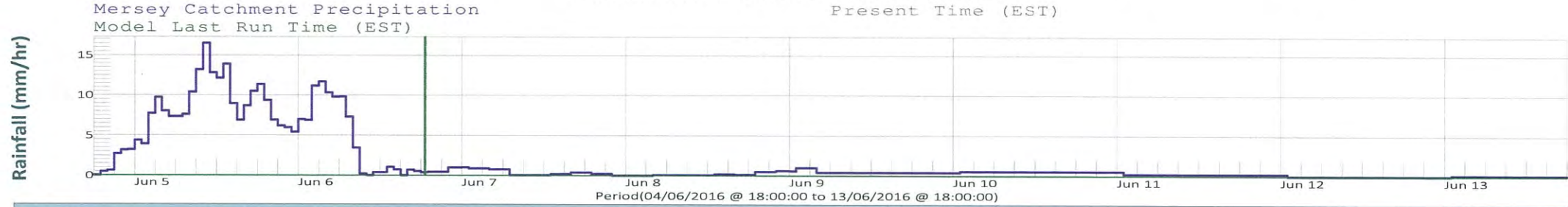
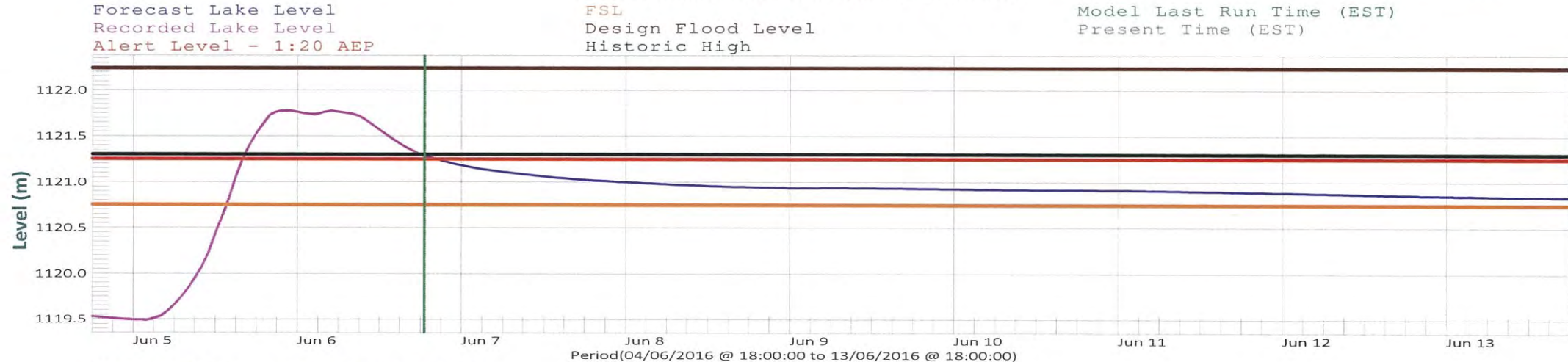
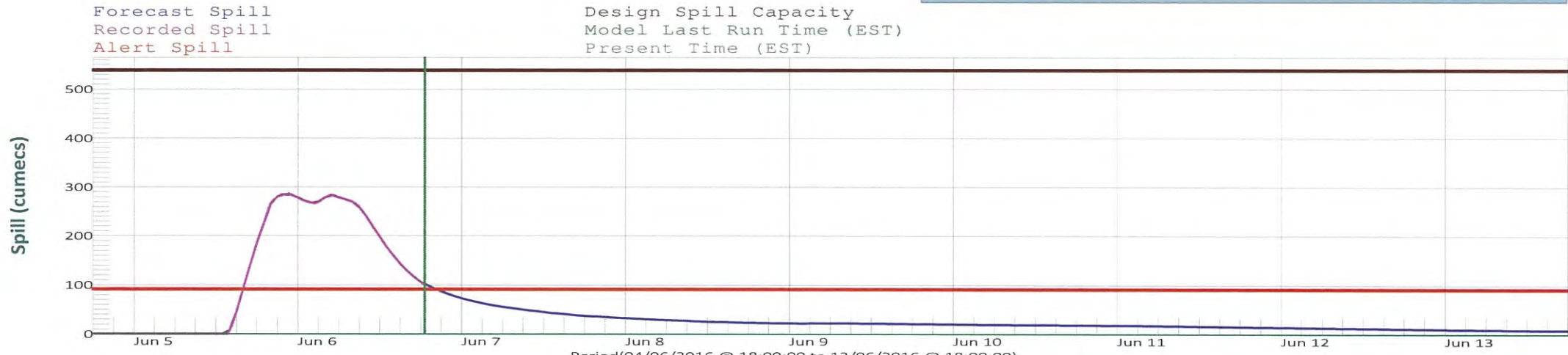
Please consider the environment before printing my email
This e-mail and any attachments may contain confidential, proprietary or legally privileged information. If you are not the intended recipient, you must not keep, forward, disclose, adapt or copy the material and any such action is unauthorised and prohibited. If you have received this e-mail in error, please immediately advise *the sender* by return email and delete this e-mail and any attachments from your system.

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 5:46 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 18:45:42 DSEP FLOOD ALERT Lake Mackenzie has exceeded the historic high water level.
Attachments: oaa_629_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Mackenzie has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 629.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Mackenzie Flood Forecast



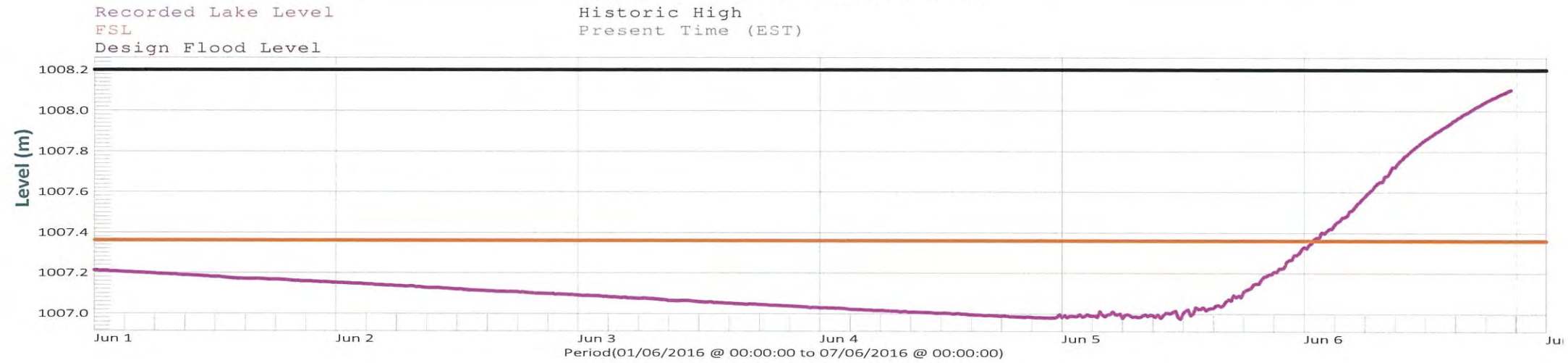
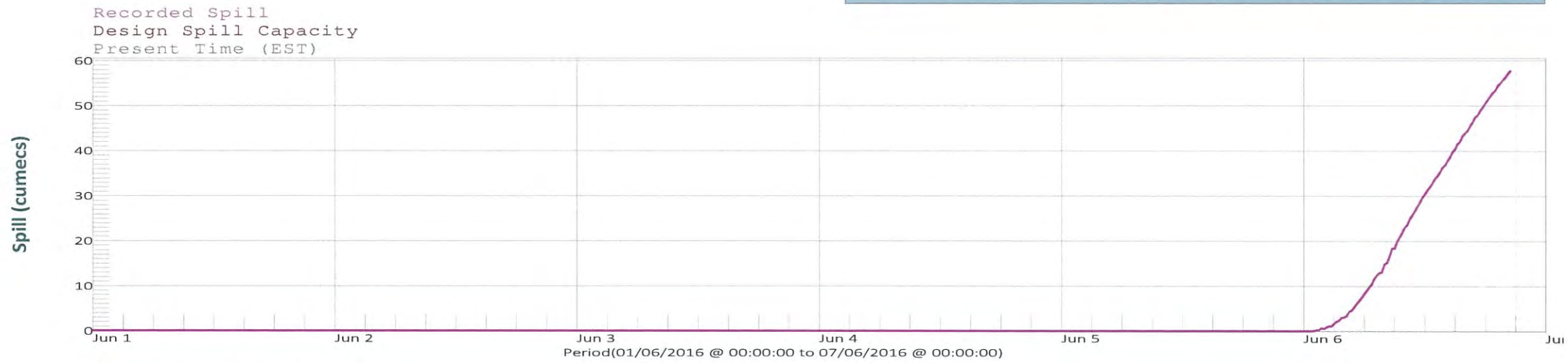
Rainfall Gauge Availability (-6hrs)	Threshold	DFL	HH	Alert Level	FSL
100 % Mersey	Level (m)	1122.24	1121.30	1121.25	1120.75
	Spill (m ³ /s)	537.99	105.95	91.42	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 8:03 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 21:02:54 DSEP FLOOD ALERT Little Pine Lagoon is approaching the historic high water level.
Attachments: oaa_236_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Little Pine Lagoon is approaching the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 3 days. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 3 days. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 236.1/204.30/1'

Some graph traces will only appear when the lake level approaches that value.

Little Pine Lagoon Historic High



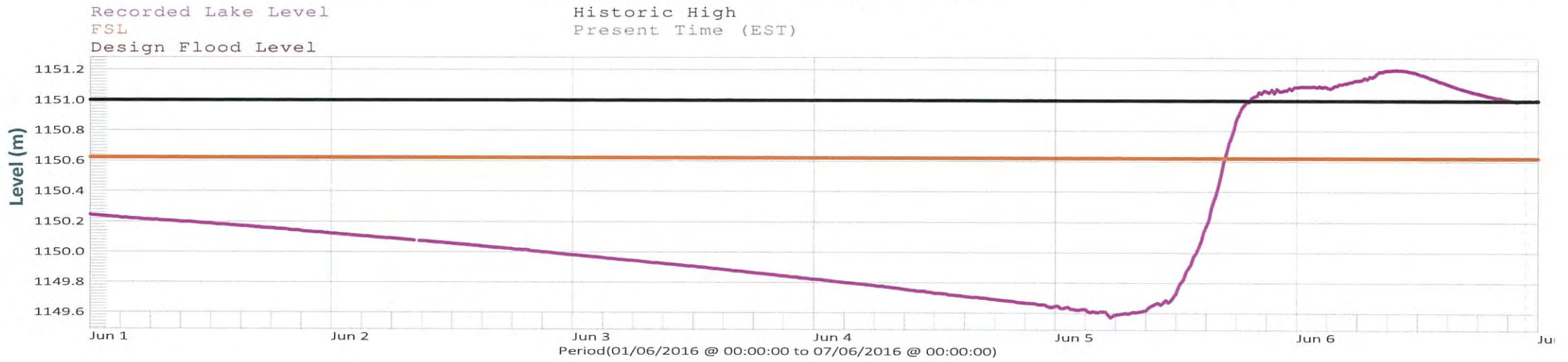
Threshold	DFL	HH	FSL
Level (m)	1008.98	1008.20	1007.36
Spill (m ³ /s)	265.26	70.50	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Monday, 6 June 2016 9:47 PM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-06 22:46:40 DSEP FLOOD ALERT Lake Augusta has exceeded the historic high water level.
Attachments: oaa_155_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Augusta has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 155.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Augusta Historic High



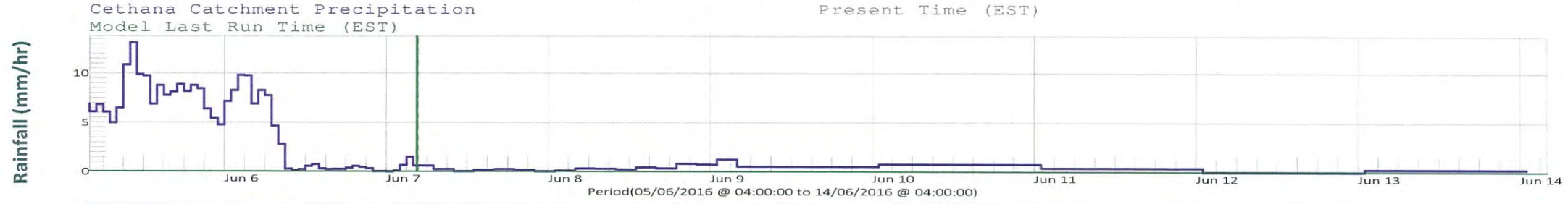
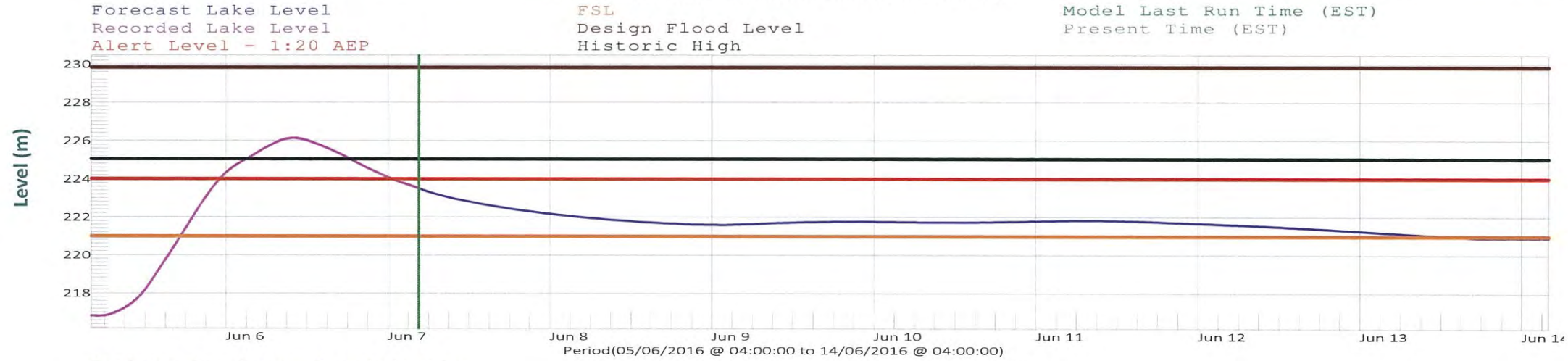
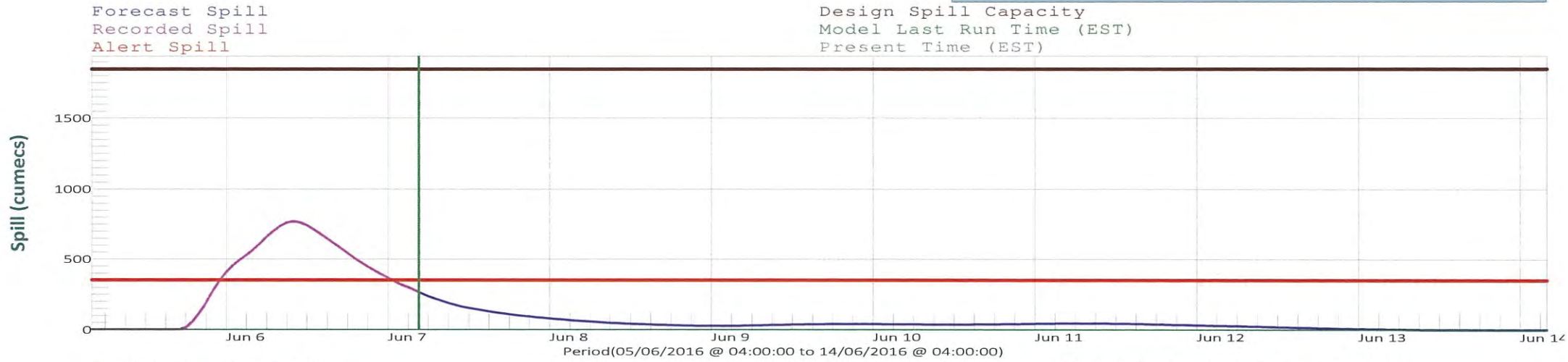
Threshold	DFL	HH	FSL
Level (m)	1151.50	1151.00	1150.62
Spill (m ³ /s)	929.80	266.35	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 3:47 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 04:46:40 DSEP FLOOD ALERT Lake Cethana has exceeded the historic high water level.
Attachments: oaa_625_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Cethana has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 625.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Cethana Flood Forecast



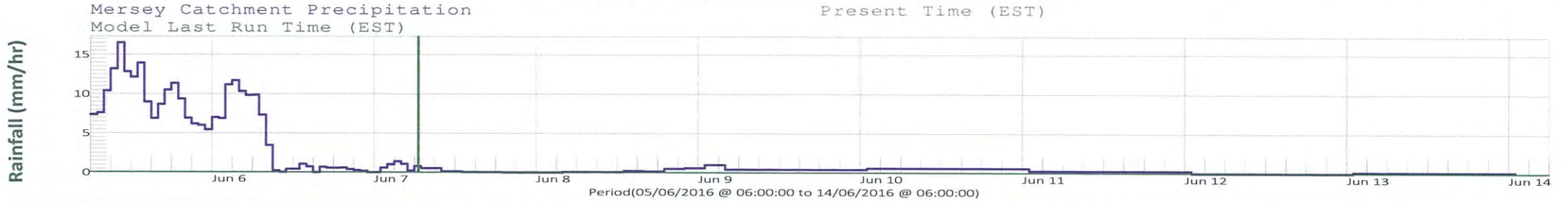
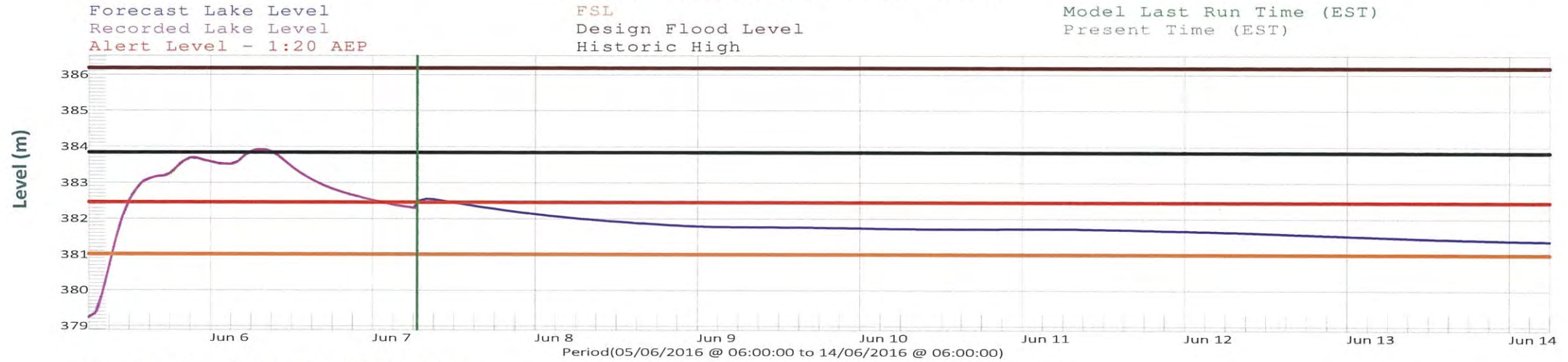
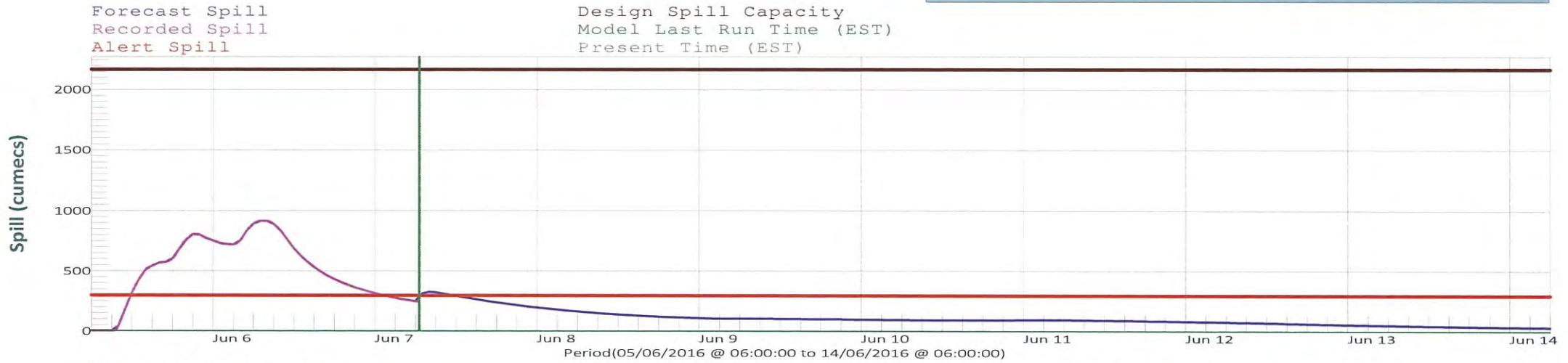
Rainfall Gauge Availability (-6hrs)	% Cethana	Threshold Level (m)	DFL	HH	Alert Level	FSL
			229.82	225.04	224.00	220.98
			1846.03	530.39	351.60	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 5:46 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 06:45:55 DSEP FLOOD ALERT Lake Parangana has exceeded the historic high water level.
Attachments: oaa_594_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Parangana has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 594.1/204.30/2'

Some graph traces will only appear when the lake level approaches that value.

Lake Parangana Flood Forecast



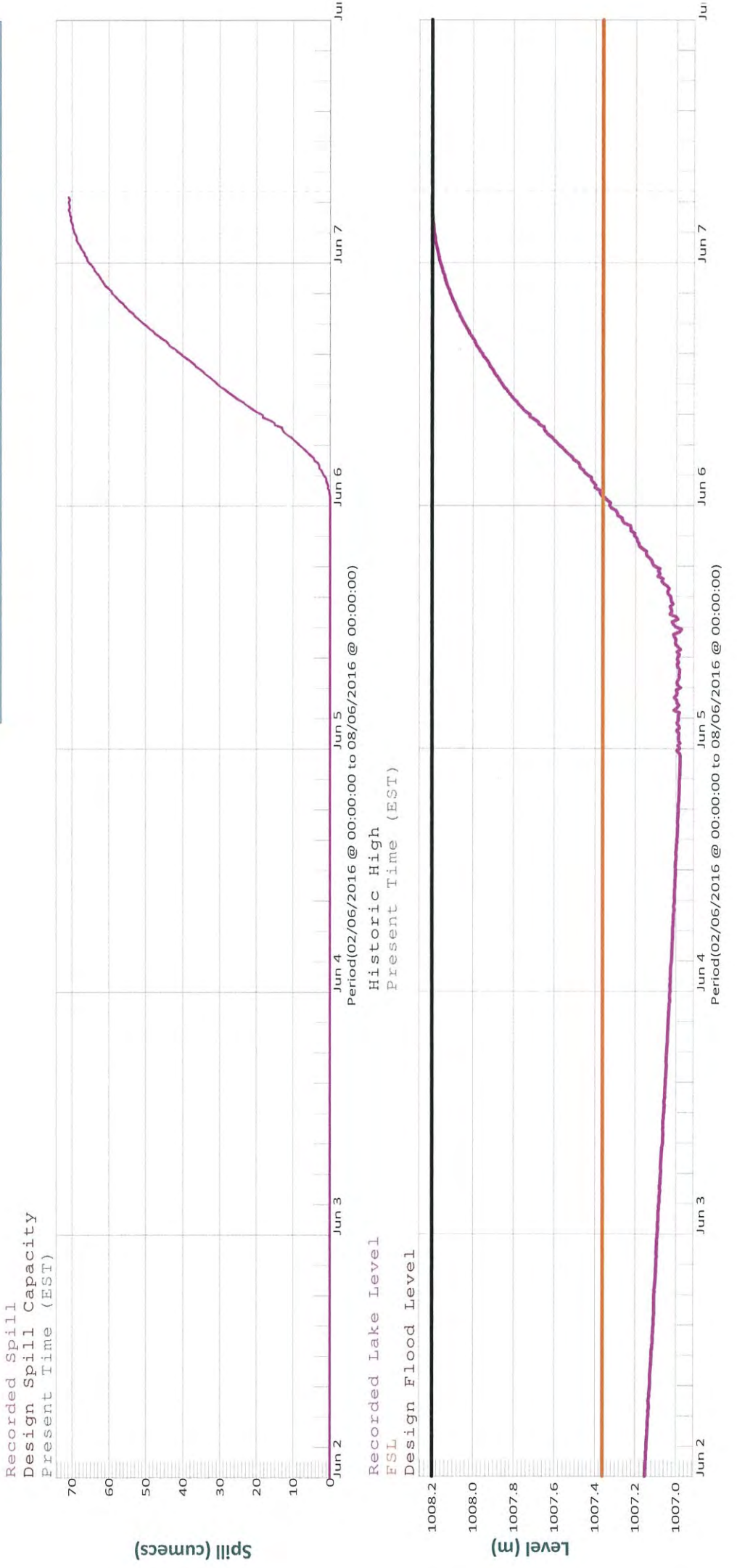
Rainfall Gauge Availability		Threshold	DFL	HH	Alert Level	FSL
(-6hrs)	100 % Mersey	Level (m)	386.18	383.83	382.45	381.00
		Spill (m ³ /s)	2166.90	874.95	293.19	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 6:04 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 07:03:42 DSEP FLOOD ALERT Little Pine Lagoon has exceeded the historic high water level.
Attachments: oaa_236_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Little Pine Lagoon has exceeded the historic high water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 236.1/204.30/2'

Little Pine Lagoon Historic High

Some graph traces will only appear when the lake level approaches that value.



Threshold	DFL	HH	FSL
Level (m)	1008.98	1008.20	1007.36
Spill (m ³ /s)	265.26	70.50	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:03 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:02:44 DSEP FLOOD ALERT Lake Rowallan is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_562_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Rowallan is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 562.1/204.20/1'

Lake Rowallan Flood Forecast

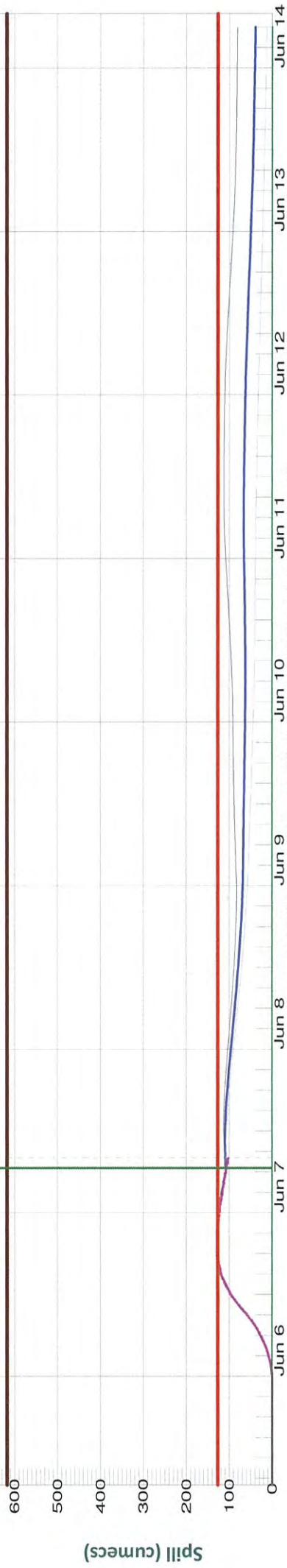
Some graph traces will only appear when the lake level approaches that value.

Threshold Level (m) 490.88
 Spill (m³/s) 616.78
 Alert Level 488.88
 FSL 487.68
 HH 488.92
 Model Last Run Time (EST) 125.98
 Present Time (EST) 0.00

Forecast Spill High
 Forecast Spill Mean
 Forecast Spill Low

Recorded Spill
 Alert Spill (1:20 AEP)
 Design Spill Capacity

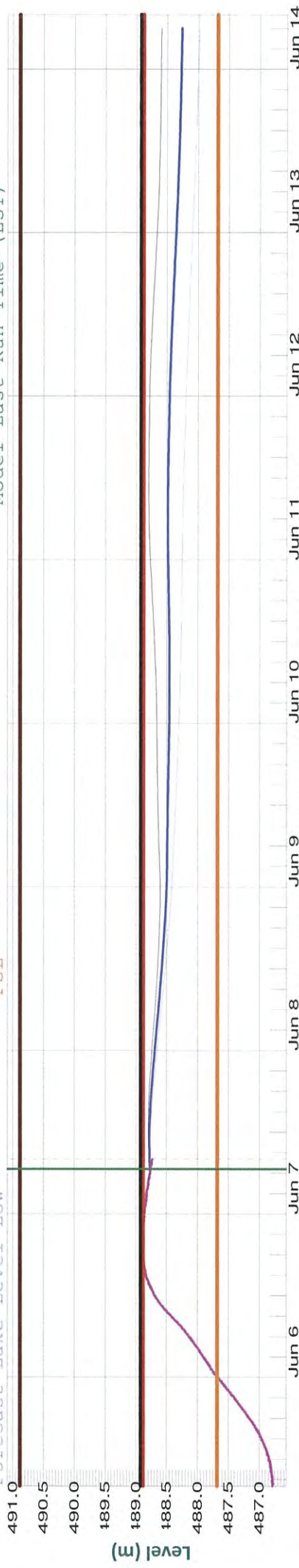
Model Last Run Time (EST)
 Present Time (EST)



Forecast Lake Level High
 Forecast Lake Level Mean
 Forecast Lake Level Low

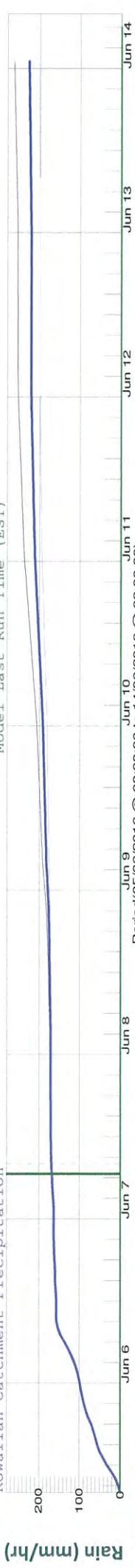
Recorded Lake Level
 Alert Level - 1:20 AEP
 FSL

Design Flood Level
 Historic High
 Model Last Run Time (EST)



Catchment Precipitation High ##
 Rowallan Catchment Precipitation

Catchment Precipitation Low ##
 Model Last Run Time (EST)



The High and Low level forecast is calculated by combining the rainfall forecast uncertainty and the DRIP-DSEP model uncertainty.

Rainfall forecast uncertainty: High and Low are based on the 25% and 75% probability of exceedance of tomorrow's forecast, applied to full forecast.

DRIP-DSEP model uncertainty: Based on 25% and 75% probability of exceedance over 7 days, which equates to a range of -0.03m to 0.03m (lake level) at day 7.

Rainfall Gauge Availability (-6hrs)
 100 % Rowallan

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:03 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:03:11 DSEP FLOOD ALERT Lake Mackenzie is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_629_1_204.x_plot.tso.pdf

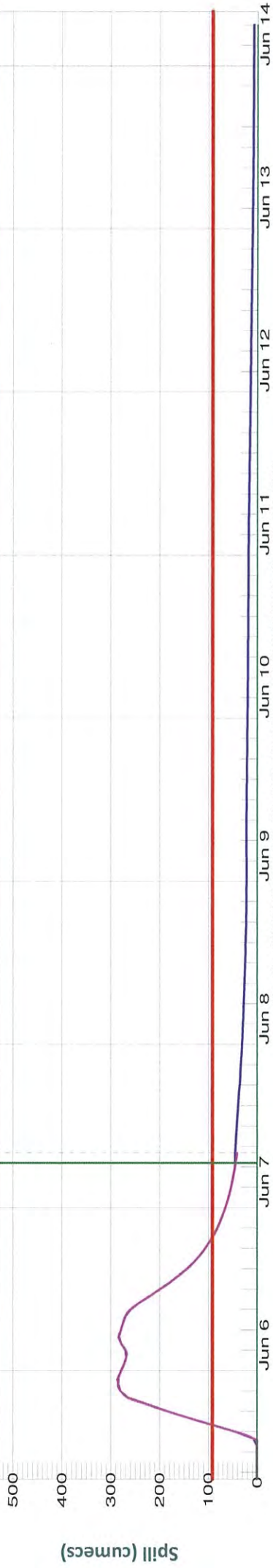
DSEP FLOOD ALERT: Lake Mackenzie is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 629.1/204.20/1'

Lake Mackenzie Flood Forecast

Some graph traces will only appear when the lake level approaches that value.

Forecast Spill
 Recorded Spill
 Alert Spill

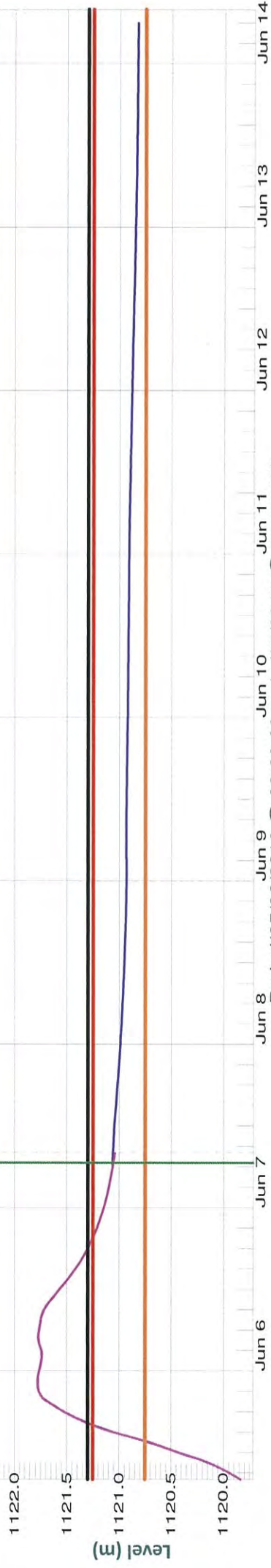
Design Spill Capacity
 Model Last Run Time (EST)
 Present Time (EST)



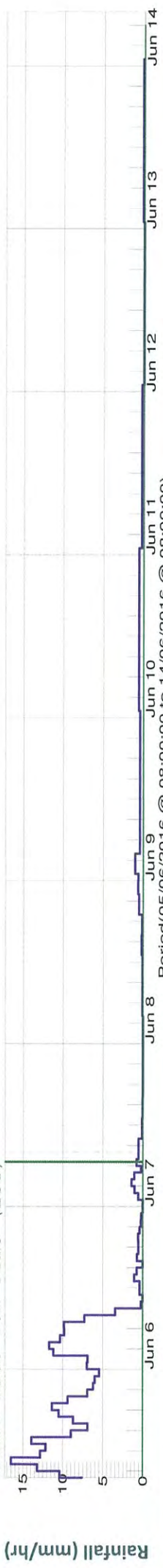
Forecast Lake Level
 Recorded Lake Level
 Alert Level - 1:20 AEP

FSL
 Design Flood Level
 Historic High

Model Last Run Time (EST)
 Present Time (EST)



Mersey Catchment Precipitation
 Model Last Run Time (EST)



Rainfall Gauge Availability (-6hrs)

100 % Mersey

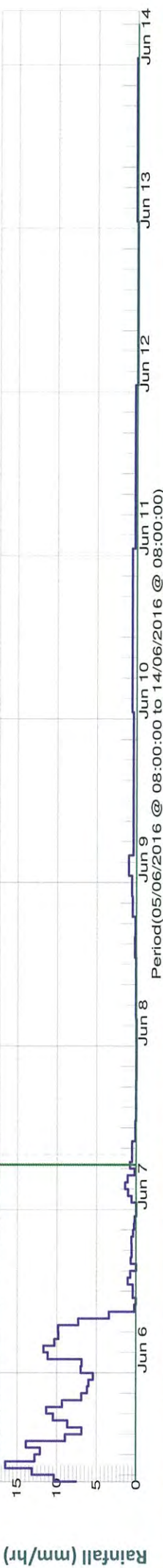
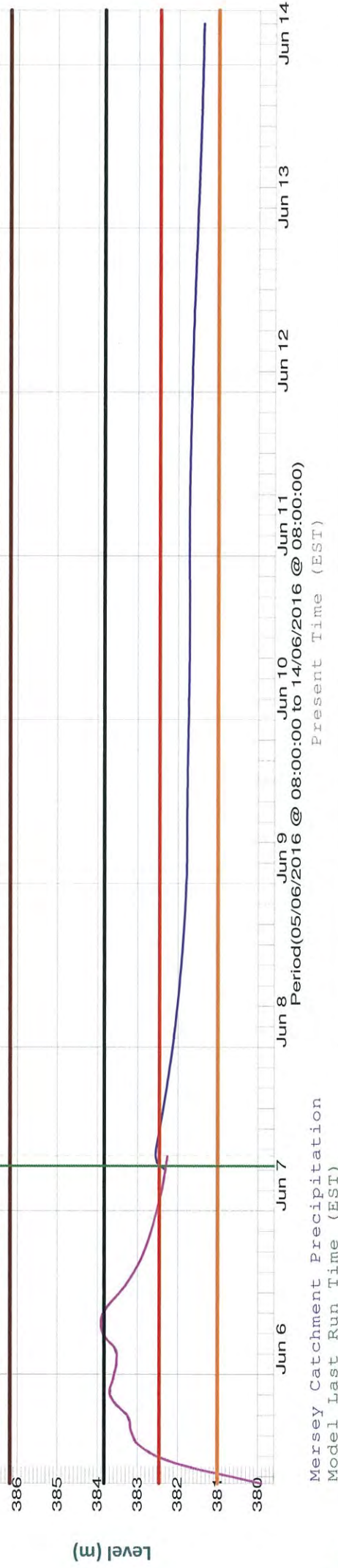
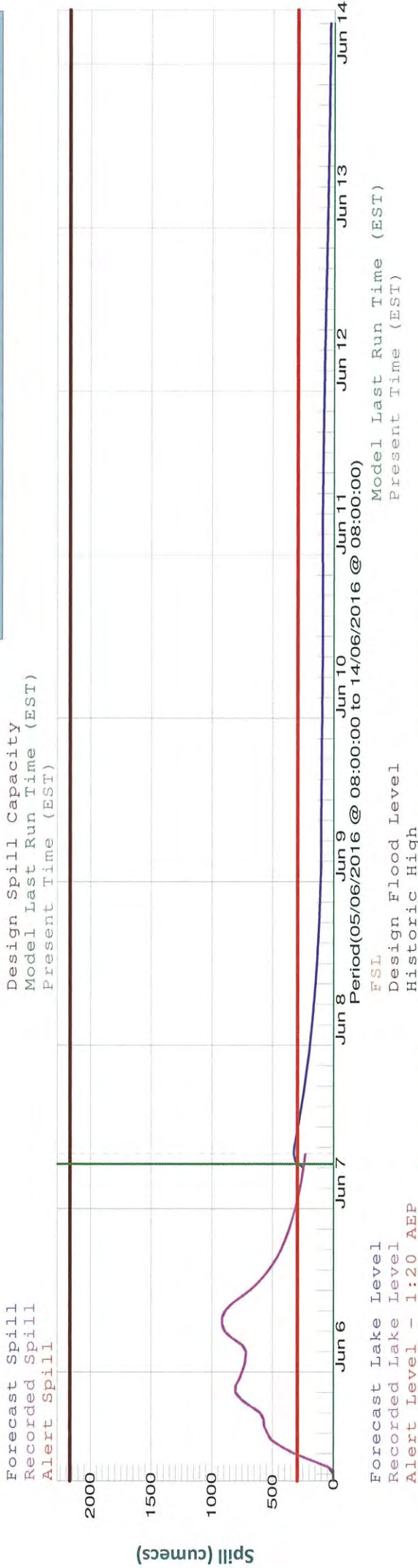
Threshold Level (m)	DFL	HH	Alert Level	FSL
1122.24	1122.24	1121.30	1121.25	1120.75
Spill (m ³ /s)	537.99	105.95	91.42	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:04 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:03:33 DSEP FLOOD ALERT Lake Parangana is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_594_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Parangana is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 594.1/204.20/1'

Lake Parangana Flood Forecast

Some graph traces will only appear when the lake level approaches that value.



Rainfall Gauge Availability (-6hrs)			
Threshold Level (m)	DFL	HH	FSL
100 % Mersey	386.18	383.83	381.00
	2166.90	874.95	293.19
			0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:04 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:03:54 DSEP FLOOD ALERT Lake Cethana is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_625_1_204.x_plot.tso.pdf

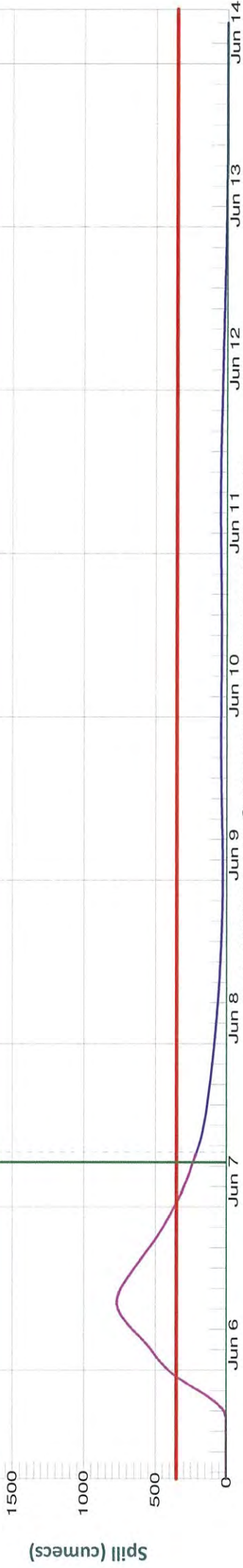
DSEP FLOOD ALERT: Lake Cethana is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 625.1/204.20/1'

Lake Cethana Flood Forecast

Some graph traces will only appear when the lake level approaches that value.

Forecast Spill
 Recorded Spill
 Alert Spill

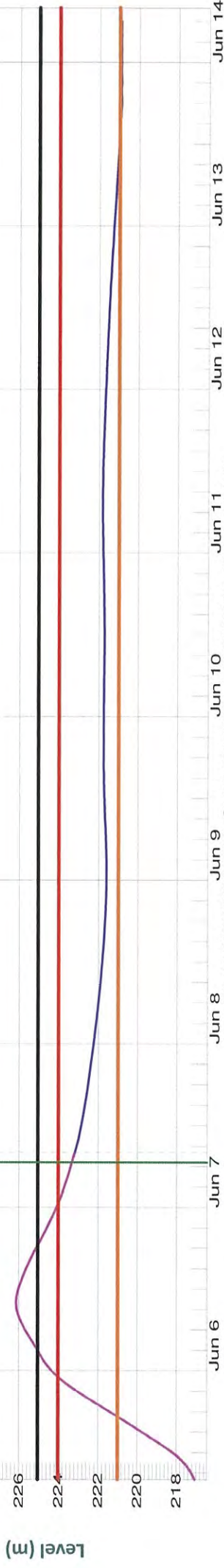
Design Spill Capacity
 Model Last Run Time (EST)
 Present Time (EST)



Forecast Lake Level
 Recorded Lake Level
 Alert Level - 1:20 AEP

FSL
 Design Flood Level
 Historic High

Period(05/06/2016 @ 08:00:00 to 14/06/2016 @ 08:00:00)
 Model Last Run Time (EST)
 Present Time (EST)



Cethana Catchment Precipitation
 Model Last Run Time (EST)

Period(05/06/2016 @ 08:00:00 to 14/06/2016 @ 08:00:00)
 Present Time (EST)



Rainfall Gauge Availability
 (-6hrs)

% Cethana

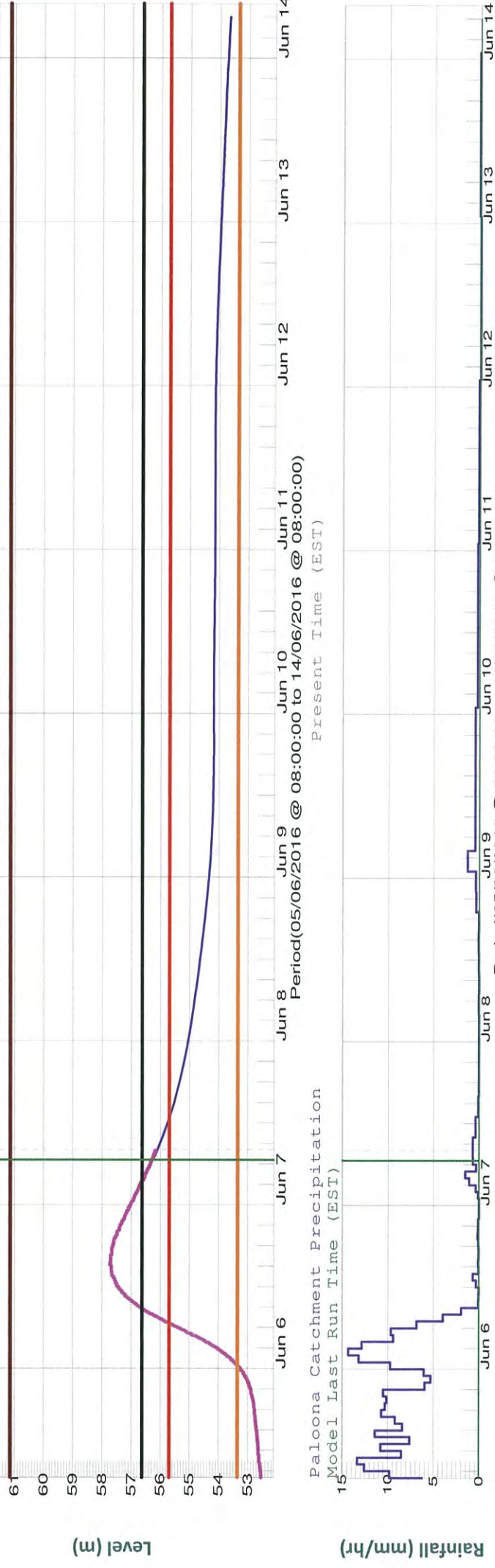
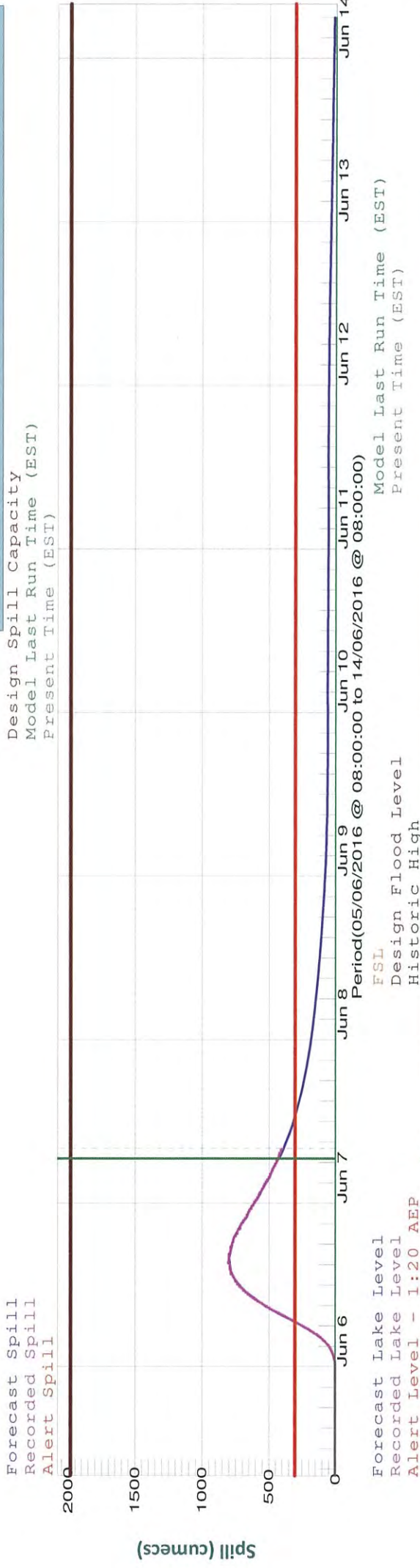
Threshold Level (m)	229.82	DFL	224.00	Alert Level	220.98	FSL
Spill (m ³ /s)	1846.03	HH	530.39		351.60	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:05 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:04:17 DSEP FLOOD ALERT Lake Paloona is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_627_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Lake Paloona is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 627.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Paloona Flood Forecast



50 % Lower Fourth		Alert Level		FSL	
Threshold Level (m)	61.14	55.69	53.34	HH	56.63
Spill (m ³ /s)	1980.79	300.26	0.00	DFL	509.96

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:05 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:04:39 DSEP FLOOD ALERT Lake Barrington is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_604_1_204.x_plot.tso.pdf

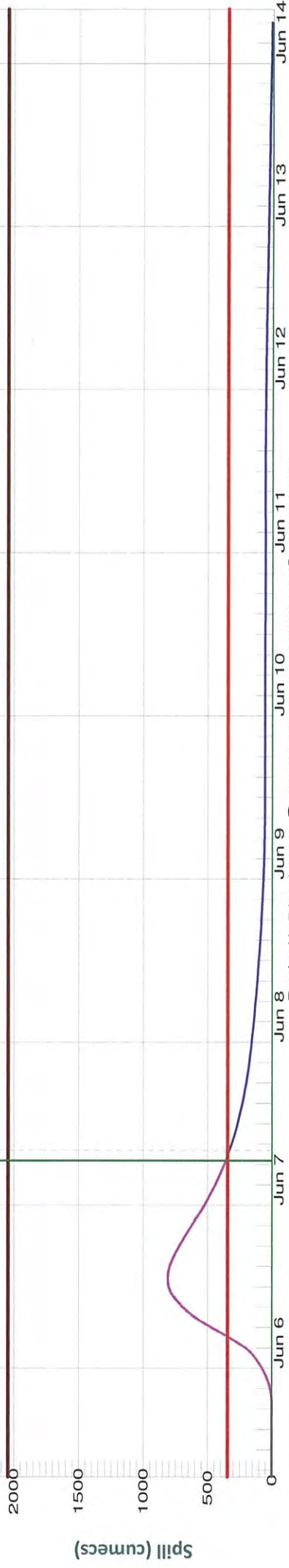
DSEP FLOOD ALERT: Lake Barrington is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 604.1/204.20/1'

Lake Barrington Flood Forecast

Some graph traces will only appear when the lake level approaches that value.

Forecast Spill
Recorded Spill
Alert Spill

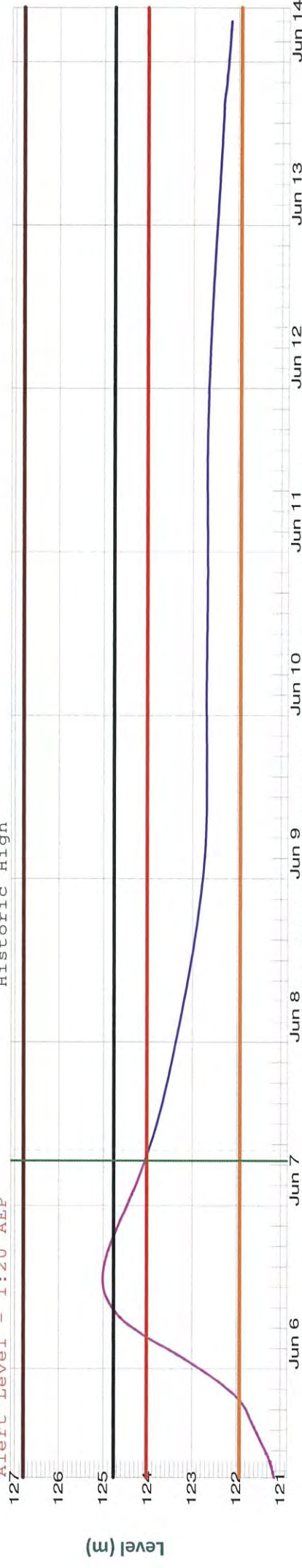
Design Spill Capacity
Model Last Run Time (EST)
Present Time (EST)



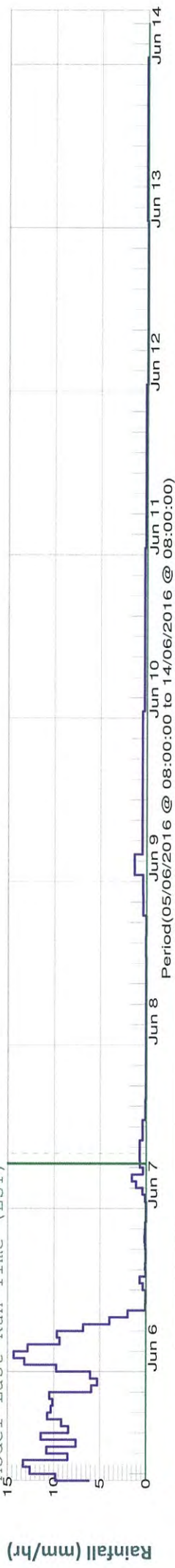
Forecast Lake Level
Recorded Lake Level
Alert Level - 1:20 AEP

FSL
Design Flood Level
Historic High

Model Last Run Time (EST)
Present Time (EST)



Lower Forth Catchment Precipitation
Model Last Run Time (EST)



Rainfall Gauge Availability
(-6hrs)

50 % Lower Forth

Threshold Level (m)	DFL	HH	Alert Level	FSL
126.80	2044.35	124.77	124.02	121.92
Spill (m ³ /s)		672.97	343.46	0.00

From: Time Series Notify on behalf of DamSafetyAlert@hydro.com.au
Sent: Tuesday, 7 June 2016 7:06 AM
To: List-DSEP@streetdata.com.au; Dam Safety Manager Opportunity Roster
Cc: TimeSeries Admin; RMI (Info Group); Spot Traders; Telemetry; Hydrology Support
Subject: ALERT 2016-06-07 08:05:02 DSEP FLOOD ALERT Trevallyn Pond is forecasted to exceed the 1 in 20 AEP water level.
Attachments: oaa_158_1_204.x_plot.tso.pdf

DSEP FLOOD ALERT: Trevallyn Pond is forecasted to exceed the 1 in 20 AEP water level. Please refer to the attached plot to see forecasted and observed data. Please note that this alarm will only be reissued every 24 hours. The observed and forecasted data should be monitored through TimeStudio or the Dam Safety website for the next 24 hours. This message was sent by an automated system. If you received this in error please contact timeseriesadmin@hydro.com.au and mention ID 'OAA 158.1/204.20/1'

Some graph traces will only appear when the lake level approaches that value.

Lake Trevallyn Flood Forecast



Parameter	Value	Parameter	Value
Rainfall Gauge Availability (-6hrs, will be a low number during periods of no rainfall)	89 % Meander	Alert Level	130.10
	100 % South Esk	Alert Level	1558.59
86 % Macquarie		FSL	126.49
		FSL	0.00
		HH	131.30
		HH	2556.63
		DFL	136.05
		DFL	8365.93
		Threshold Level (m)	
		Spill (m ³ /s)	

Scheduler3

07/06/2016 @ 08:05

[REDACTED]

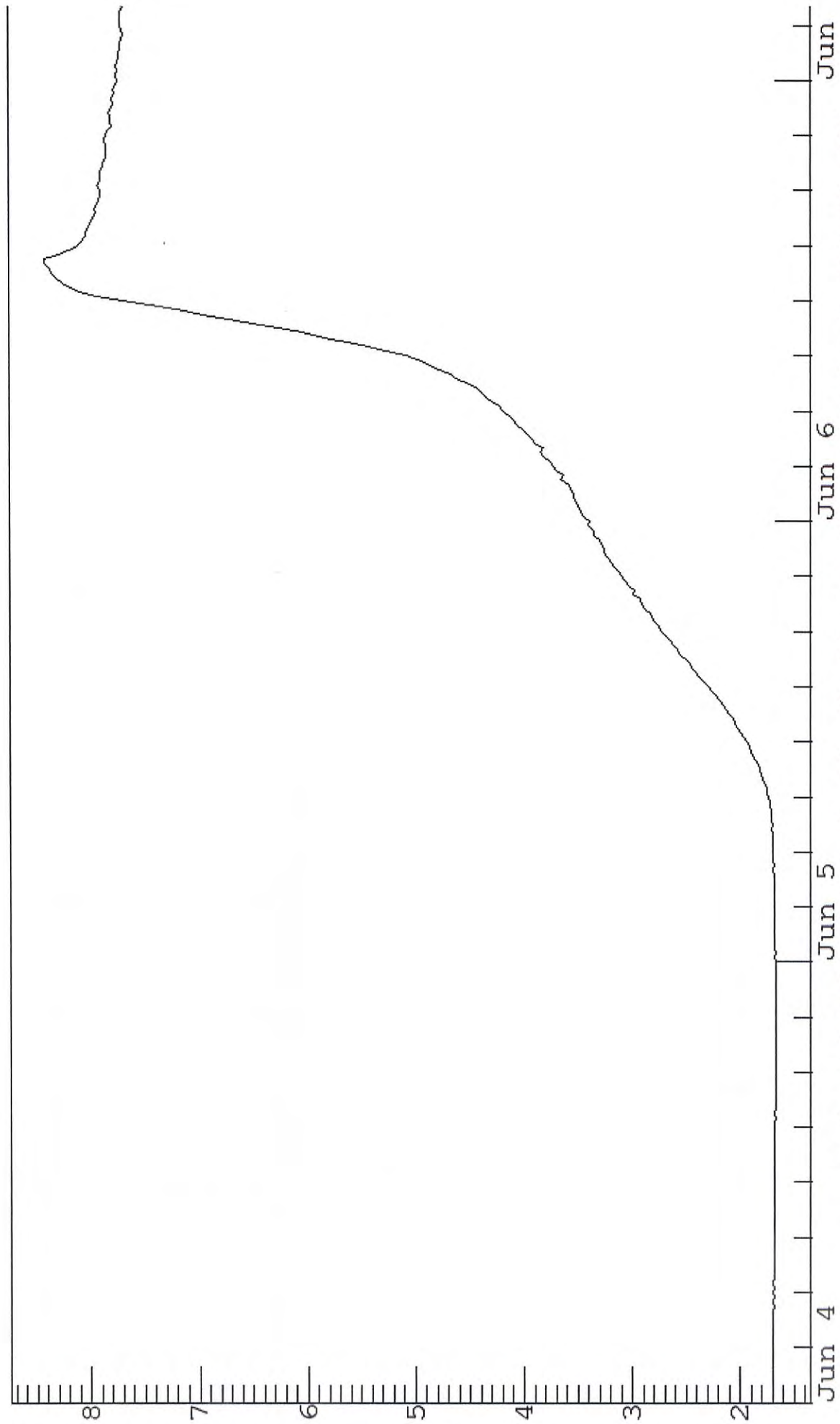
From: [REDACTED]
Sent: Tuesday, 7 June 2016 8:04 AM
To: [REDACTED]@bom.gov.au
Cc: [REDACTED]
Subject: RE: Llewellyn - outage? [SEC=UNCLASSIFIED]

Yep,

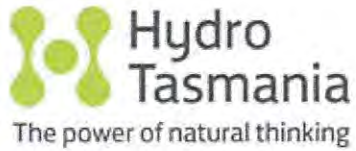
Looks like a high pressure leak on gas line.

Will try and get an urgent fix

150.1/100.00/1: SOUTH ESK [AT LLEWELLYN] - Level (m)



Period(04/06/2016 @ 00:00:00 to 07/06/2016 @ 09:00:00)



[Redacted]
[Redacted] [@hydro.com.au](mailto:[Redacted]@hydro.com.au)

www.hydro.com.au

4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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From: [Redacted] [@bom.gov.au](mailto:[Redacted]@bom.gov.au)

Sent: Tuesday, 7 June 2016 7:59 AM

To: [Redacted]

Subject: Llewellyn - outage? [SEC=UNCLASSIFIED]

[Redacted]
[Redacted]
WL at Llewellyn looks quite suspicious. [Redacted]

[Redacted]
[Redacted]
Bureau of Meteorology

GPO Box 727 Hobart TAS 7001

Level 5, 111 Macquarie Street, Hobart TAS 7001

[Redacted] [@bom.gov.au](mailto:[Redacted]@bom.gov.au) | www.bom.gov.au/tas/flood/

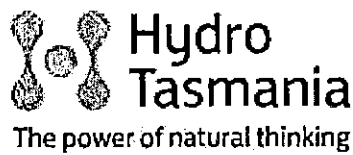
"Important: This message may contain confidential or legally privileged information. If you think it was sent to you by mistake, please delete all copies and advise the sender."

[REDACTED]

From: [REDACTED]
Sent: Tuesday, 7 June 2016 8:09 AM
To: [REDACTED]@bom.gov.au
Cc: [REDACTED]
Subject: RE: Llewellyn - outage? [SEC=UNCLASSIFIED]

Hope to have someone there mid afternoon

[REDACTED]



[REDACTED]
e [REDACTED]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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[REDACTED]

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[REDACTED]

[REDACTED]

Bureau of Meteorology
GPO Box 727 Hobart TAS 7001
Level 5, 111 Macquarie Street, Hobart TAS 7001
Tel: [REDACTED]
[REDACTED]@bom.gov.au | www.bom.gov.au/tas/flood/

"Important: This message may contain confidential or legally privileged information. If you think it was sent to you by mistake, please delete all copies and advise the sender."

[REDACTED]

From: [REDACTED]o@bom.gov.au
Sent: Tuesday, 7 June 2016 8:09 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Llewellyn - outage? [SEC=UNCLASSIFIED]

[REDACTED]

Appreciate your efforts but please try a repair only if it is an easy fix.
I do not want to put any of your people in danger trying to fix this.
It is OK for me to leave the station as it is until safe conditions be guaranteed for your hydrographers.

Thanks

[REDACTED]

Bureau of Meteorology
GPO Box 727 Hobart TAS 7001
Level 5, 111 Macquarie Street, Hobart TAS 7001
Tel: [REDACTED]
[REDACTED]@bom.gov.au | www.bom.gov.au/tas/flood/

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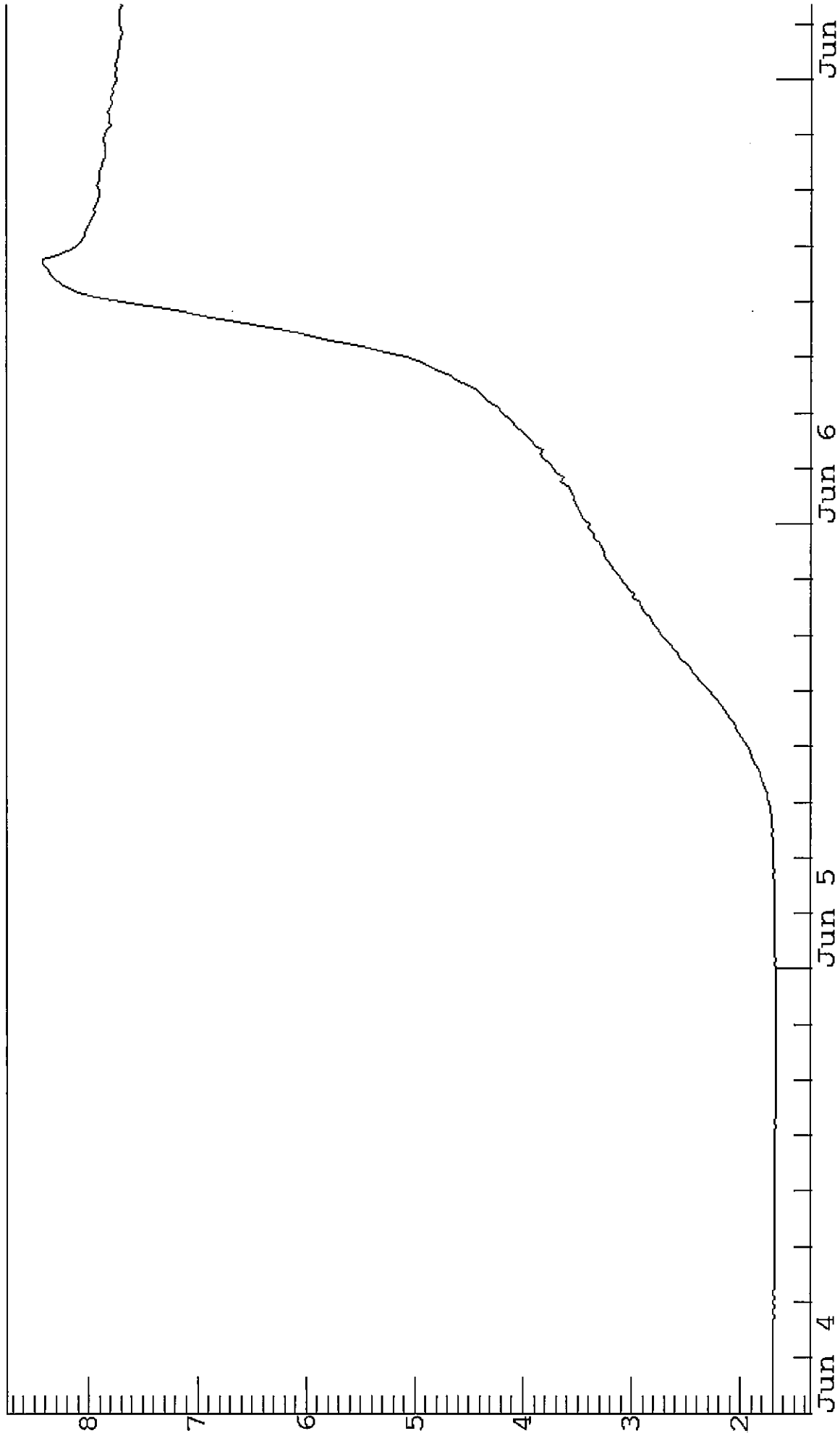
From: [REDACTED] [mailto:[REDACTED]@hydro.com.au]
Sent: Tuesday, 7 June 2016 8:04 AM
To: [REDACTED]
Cc: [REDACTED]
Subject: RE: Llewellyn - outage? [SEC=UNCLASSIFIED]

Yep,

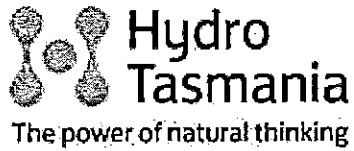
Looks like a high pressure leak on gas line.

Will try and get an urgent fix

150.1/100.00/1: SOUTH ESK [AT LLEWELLYN] - Level (m)



Period(04/06/2016 @ 00:00:00 to 07/06/2016 @ 09:00:00)



p [redacted]
e [redacted]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

View the latest water levels at <http://www.hydro.com.au/water/water-levels-and-flows-map>

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Sent: Tuesday, 7 June 2016 7:59 AM
To: [redacted]
Subject: Llewellyn - outage? [SEC=UNCLASSIFIED]

[redacted]
WL at Llewellyn looks quite suspicious. [redacted]

[redacted]
Bureau of Meteorology
GPO Box 727 Hobart TAS 7001
Level 5, 111 Macquarie Street, Hobart TAS 7001
Tel: [redacted]
[redacted]@bom.gov.au | www.bom.gov.au/tas/flood/

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[Redacted]

From: [Redacted]
Sent: Tuesday, 7 June 2016 8:46 AM
To: [Redacted]
Subject: [Redacted]
Attachments: DailyRpt_20160606.pdf

Good Morning,

The Daily Spot Market Report for Monday the 6th May, 2016:

- Two Trevallyn machines tripped and remained out of service overnight with Lake Trevallyn on spill.
- Fisher and John Butters remain out of service due to plant issues.
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- The week ahead rainfall forecast remains above average in Tassie.

Not relevant to request

[Redacted]

Not relevant to request

Regards,

[Redacted]



m [Redacted]
e [Redacted]@hydro.com.au
w www.hydro.com.au
4 Elizabeth Street, Hobart TAS 7000

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