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Affidavit of Jordin Alexander Barclay

WAD 37 of 2022

Federal Court of Australia

District Registry: Western Australia

Division: General

YINDJIBARNDI NGURRA ABORIGINAL CORPORATION RNTBC

Applicant

STATE OF WESTERN AUSTRALIA & ORS

Respondents

Affidavit of:

Jordin Alexander Barclay

Address:

c/ Fortescue Metals Group, Level 2, 87 Adelaide Terrace, East Perth WA

6004

Occupation:

Hydrogeologist

Date:

22 February 2024

FMG Pilbara Pty Ltd, Pilbara Energy (Generation) Pty Ltd, Pilbara Energy Company Pty Ltd, Pilbara Gas Pipeline Pty Ltd and The Pilbara Infrastructure

Filed on behalf of (name & role of party)
Prepared by (name of person/lawyer)

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Contents

Document number	Details	Paragraph	Page
1	Affidavit of Jordin Alexander Barclay sworn on 22 February 2024	1 – 32	2-13
2	Annexure "JAB-1" – Excel spreadsheet entitled "Rainfall Data and Analysis_V1" (Rainfall Spreadsheet)	10	14 – 37
3	Annexure "JAB-2" – PDF document entitled "Rainfall Map_V1" (Rainfall Map)	17	38 – 39
4	Annexure "JAB-3" – Excel spreadsheet entitled "Regional Groundwater Levels_rev1" (Groundwater Spreadsheet)	18	40 – 43
5	Annexure "JAB-4" – PDF document entitled "Regional Groundwater Level Monitoring" (Groundwater Map)	25	44 – 45
6	Annexure "JAB-5" – Excel spreadsheet entitled "Abstraction Volume Check" (Abstraction Spreadsheet)	28	46 – 47

I, Jordin Alexander Barclay, c/- Fortescue Metals Group, Level 2, 87 Adelaide Terrace, East Perth WA 6004, hydrogeologist, make oath and say as follows:

1. I am currently employed by FMG Personnel Services Pty Ltd, a subsidiary of Fortescue Metals Group Ltd (FMGL), as Senior Manager – Water Planning. I have been in this role since January 2023. Prior to being employed in this role, I have been employed by FMG Personnel Services Pty Ltd in various roles since December 2011.

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- 2. I am authorised to make this affidavit on behalf of the 2nd to 6th respondents (FMG Respondents). In this statement, I refer to FMGL, the FMG Respondents, and other entities related to them collectively as "FMG".
- 3. Unless otherwise stated, the facts contained in this affidavit are within my own knowledge and are true.

BACKGROUND

My Qualifications and role within FMG

- 4. I have the following qualifications:
 - (a) a Bachelor of Science (major in Geology/Earth Science) awarded by the University of Victoria; and
 - (b) a Master of Science (majoring in Hydrogeology) awarded by the University of British Columbia.
- Superintendent. In April 2013, I was promoted to the role of Specialist Hydrogeologist at FMG. In August 2017, I was promoted to the role of Principal Hydrogeologist at FMG. In these roles, I worked for FMG in relation to both the Solomon Hub Mine and other mines operated by FMG. In relation to the Solomon mine, my duties involved supervision of a team of hydrogeologists and engineers with the primary function of providing water planning support for the Solomon operations. I have acted in that role for Solomon and other FMG mining operations since April 2018. My role has been Perth based, however, I have made several trips to Solomon for the purpose of stakeholder interactions.
- 6. In July 2019, I was promoted to the role of Manager Water Planning at FMG. In January 2023, I was promoted to my current role as Senior Manager Water Planning. My current role involves managing a team of hydrogeologists, water engineers and hydrologists to provide water planning support for FMG's metals portfolio.

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Purpose of this statement

- 7. I have been provided with, and have read, the Applicant's Expert Hydrologist's Report dated 19 December 2023 and prepared by Dr Huade Guan (the **Guan Report**). I have been informed, and believe, that FMG has engaged an expert hydrogeologist to write a responsive report to the Guan Report.
- 8. To assist FMG's expert hydrogeologist in the preparation of his responsive report, I caused documents to be prepared which compiled data that (1) FMG had already collected during its mining operations for various purposes, including complying with its reporting obligations, or (2) was available from publicly-available sources, as outlined below.
- 9. In this statement, where I state that I caused a document to be prepared (or similar), I provided instructions to a member of my team who then prepared the document, and I then reviewed that document before it was finalised.

PREPARATION OF HYDROGEOLOGICAL DATA

Rainfall Monitoring Data

- 10. On 15 January 2024, I caused to be prepared a spreadsheet entitled "Rainfall Data and Analysis_V1" (the Rainfall Spreadsheet). A copy of the Rainfall Spreadsheet is attached and marked "JAB-1".
- 11. The Rainfall Spreadsheet has compiled data available to FMG from internal and public sources which record rainfall levels within and surrounding the area of the Solomon Hub Mine, and from further afield in the Pilbara Region. The Rainfall Spreadsheet is broken up into several worksheets, which I further explain below. Specifically:
 - (a) The worksheet titled "Raw Data_Flat" records the data available to FMG from 11 rainfall gauges located within and in the vicinity of the Solomon Hub Mine (together, the Solomon Area Stations). 10 of the Solomon Area Stations are operated by FMG, whereas one (Solomon Airport AWS) is an automated weather station which delivers data to the Bureau of Meteorology ("BOM") and that data is publicly available from the BOM website. The data from the FMG-owned rainfall gauges is recorded on at least a daily frequency. Some of the

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instruments transmit data via telemetry on at least a daily basis whilst other are manually downloaded on an ad-hoc basis. Once collected or transmitted, data is stored on FMG's systems.

- (b) The worksheets titled "Yalleen", "Mt Newman Aero", "Hamersley", "Mt Florance", "Wittenoom" and "Coolawanya" each record publicly available data accessible at the BOM website. Each worksheet records the data available from the station identified in the worksheet title. The Hamersley, Mt Florance, Wittenoom and Coolawanyah stations were chosen because they are the closest stations to the Solomon Hub area, whilst the Yalleen and Mt Newman Aero stations were included because they are relied upon in the Guan Report.
- (c) The worksheet titled "CDFM Analysis_Solomon Area" contains a Cumulative Deviation from Mean ("CDFM") table and graph prepared by FMG, which compares the year-by-year data from the Solomon Area Stations against the mean rainfall recorded at each of the BOM automated stations identified in the other worksheets.
- (d) The worksheet titled "CDFM Analysis_Regional Comparison" contains a CDFM table and graph comparing the annual rainfall from each of the BOM weather stations, and a compiled Solomon Area rainfall dataset (as explained below at paragraph 12(a) against the long-term and short term (i.e. between 2011-2023) mean recorded at the relevant station. In some cases, available data did not extend to 2023.
- 12. To prepare the worksheet titled "Raw Data_Flat", I caused a member of my team to adopt the following process:
 - (a) First, the team member downloaded monthly aggregated (total monthly rainfall in mm) data from each of the Solomon Area Stations identified in the spreadsheet from FMG's systems and extracted that data into the spreadsheet in columns A C. The data from each rainfall gauge for each month was transposed, via pivot table, into columns I to S of the worksheet. Where a rainfall gauge was not online for a month (and so no data was available for that month), the cell in the worksheet for the relevant month was deliberately left as blank (as

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- distinct from a "0" entry, which means that there was no rainfall during that month).
- (b) Next, that team member calculated the average rainfall for each month, determined by the results drawn from those gauges that were online during the relevant month, and inserted that data into column T of the worksheet.
- (c) Next, that team member calculated the average annual rainfall as the product of the average monthly rainfall for all available months in column T and the 12 months of the year. This value was entered into cell T164.
- (d) Next, that team member summated, using a pivot table, the monthly data into annual totals, displayed the table in the columns X Y of this worksheet. The numbers for the years 2010 and 2024 are much lower than the other averages because data is only available for a portion of each of those years. The years 2010 and 2024 were therefore omitted from further analysis.
- (e) Next, that team member cross-checked the average rainfall for each month against the data recorded by the Mt Florance BOM automated station for the relevant month. The result of that cross-checking is set out in column V of the worksheet. The Mt Florance station was chosen because it is relatively close to the Solomon Hub Mine geographically, and has been consistently active during the period 2011 to 2023 (as compared to, for example, the Hamersley station, which is closer but was only active until 2015). The total deviation between monthly average rainfall recorded at the Solomon Area Stations and at the Mt Florance station during the period was recorded at cell V165.
- 13. To prepare the worksheets titled "Yalleen", "Mt Newman Aero", "Hamersley", "Mt Florance", "Wittenoom" and "Coolawanya", I caused a member of my team to take the following steps. On 15 January 2024 the team member accessed and downloaded a full set of data (as daily rainfall totals in mm) recorded by BOM in relation to the relevant station from the website identified in cell A1 of each worksheet. The total rainfall recorded between 2011 and 2023 (or, where the data was limited during that period, all years within that period for which data was available) was summated, using a pivot table, and inserted into the table inset in each spreadsheet. The mean annual rainfall

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statistic for all years of available data for each station was also extracted from the same BOM website referenced in cell A1 of each worksheet and entered above the table.

- 14. To prepare the worksheet titled CDFM Analysis_Solomon Area, I caused a member of my team to conduct the following process.
 - (a) First, the team member adopted a figure as the long term mean for each of the BOM automated stations, based on cell L4 in each of the other worksheets in paragraph 13. A mean for Solomon Area Stations was adopted from cell T164 of the Raw Data_Flat worksheet. The annual mean figures are outlined at cells B2 to B8 of the worksheet.
 - (b) Second, the annual rainfall data for the Solomon Area Stations, as calculated in the table referred to at paragraph 12(d) above, was reproduced at cells C12 to C26 of the worksheet.
 - (c) Third, the team member compared that annual rainfall data against the annual mean for each of the BOM automated stations and from the Solomon Area Stations, in order to perform a CDFM analysis against each of the annual mean figures. The team member then used Excel's chart function to prepare a CDFM graph showing that analysis.
- 15. To prepare the worksheet titled CDFM Analysis_Regional Comparis, a similar process was adopted. Specifically:
 - (a) First, the team member adopted the same figure as identified at paragraph 14(a) as the long-term annual mean for each of the BOM stations and the compiled Solomon Area data, which is expressed in Row 1 of the spreadsheet.
 - (b) Second, the team member calculated a short-term annual mean for each of the BOM stations by calculating the mean rainfall data between 2011 and 2023, which is expressed in Row 2 of the spreadsheet. For the compiled Solomon Area data, allowance was made to investigate CDFM compared to shorter term means from the data. As submitted, the shorter term mean was for annual total rainfall between 2018 and 2023 (inclusive).

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- (c) Third, the team member reproduced the annual rainfall data for each of the BOM stations and the compiled Solomon Area data between 2011 and 2023, as set out in the tables referred to at paragraph 12 and 13 above, in the table in that worksheet.
- (d) Fourth, the team member compared the annual rainfall data for each BOM station and the compiled Solomon Area data against the short-term (i.e. since 2011) and long-term annual mean for that station, in order to perform a CDFM analysis against that station's short-term and long-term annual mean figures. The team member then used Excel's chart function to prepare a single CDFM graph showing that analysis, with options to dynamically change which station(s) are presented at any time.
- 16. The chart which is located in that workbook can be manually adjusted using Excel's chart filter function, in order to display (for example) the results from selected stations only, or to display short-term or long-term data only.
- 17. To accompany the Rainfall Spreadsheet, on 15 January 2024 I caused to be prepared a PDF document titled "Rainfall Map_V1" (the Rainfall Map). A copy of the Rainfall Map is attached and marked "JAB-2". That document identifies:
 - (a) with blue dots, the stations with data published to the BOM website referred to in the Rainfall Spreadsheet;
 - (b) with purple dots, automated stations with data published to the BOM website and also ingested into FMG's systems, located in the Pilbara region. Of these, the Solomon Airport AWS is referenced in the compiled Solomon Area data;
 - (c) with green dots, other rainfall monitoring stations maintained by FMG or third parties; and
 - (d) within the black box labelled "Solomon Area", the area in the vicinity of the Solomon Hub Mine from which the rainfall gauges identified in the Rainfall Spreadsheet, worksheet Raw Data Flat, were drawn.

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Groundwater Level Data

- 18. On 9 February 2024, I prepared a spreadsheet entitled "Regional Groundwater Levels_rev1" (the Groundwater Spreadsheet). A copy of the Groundwater Spreadsheet is attached and marked "JAB-3". The Groundwater Spreadsheet was a corrected version of a previous document, prepared on 12 January 2024, which contained minor errors (in that it omitted the results from one groundwater bore, and contained errors in some of the document headings).
- 19. The Groundwater Spreadsheet records data available to FMG in relation to groundwater levels within and surrounding the area of the Solomon Hub Mine. That data is obtained by FMG from groundwater monitoring bores in the area surrounding the Solomon Hub Mine. Some of the bores are owned and operated by FMG, whilst others are owned by third parties. As I explain below, the Groundwater Spreadsheet was accompanied by a map showing the locations of these bores.
- 20. FMG obtains data from these bores by a combination of manual inspection (using commercially available water level meters) or automated data collection (using commercially available pressure transducers), with data submitted to FMG's systems. The frequency of data collection varies from hours (for automated pressure transducers) to months or more for manual inspection.
- 21. As with the Rainfall Spreadsheet, the Groundwater Spreadsheet is split into worksheets.

 I explain the process by which the team member prepared each of the worksheets below.
- 22. In the worksheet titled "Averaged Water Levels_mbrp" in the Groundwater Spreadsheet:
 - (a) Column A records the name of the relevant groundwater monitoring bore, whereas Columns B and C record the geographic location of that bore.
 - (b) Column D records the average water level at the relevant bore, based on the mean of all daily water level readings (both manual and automated) from that bore. The measurements are recorded in metres below reference point (mbRP), with the "reference point" being an arbitrary point on the bore at surface, commonly the top of the bore casing.

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- (c) Columns E and G record the first date on which a water level reading was taken from the relevant bore (as shown by the available data), and the daily average result of all readings on that day, measured in mbRP. Similarly, Columns F and H record the final date on which a water level reading was taken from that bore, and the daily average result of all the readings on that day.
- (d) In column I, the average daily rate of change for each bore was determined by calculating the difference between the first water level reading (Column G) and the final water level reading (Column H), and then dividing the difference between the number of days between those readings (determined by reference to Columns E and F).
- 23. The worksheet "Regional GWL Hydrograph" contains a pivot table which is designed to display groundwater levels recorded at each of the groundwater monitoring bores. The pivot table can be manually adjusted to show the data from any of the bores by selecting the relevant bore from the table overlaid onto columns L through Q.
- 24. I caused a member of my team to create the pivot table through the following process.
 - (a) First, the team member extracted the daily average water levels recorded at groundwater monitoring bores from FMG's records. As above, the data was recorded as daily average water levels mbRP, and is recorded in column G of the spreadsheet.
 - (b) Then, that same team member calculated the difference between each daily average water level and the initial water level reading and the overall average for the bore. The results of these calculations are in columns H and I respectively.
 - (c) Then, I conducted a CDFM analysis and displayed it in column J of the spreadsheet.
 - (d) Then, I used the Excel Graph function to create a graph to display that information. The graph enables an analyst to select one bore at a time and display one of columns G-J.

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- 25. To accompany the Groundwater Spreadsheet, on 1 February 2024 I caused to be prepared a map titled "Regional Groundwater Level Monitoring" (Groundwater Map).
 A copy of the Groundwater Map is attached and marked "JAB-4".
- I have confirmed with Mr Sean Costello, an employee of FMG, that he prepared the Groundwater Map based on instructions from a member of my team (which I had given to that team member). The instructions which I gave to that team member were to have a map prepared that identified the information I explain at paragraph 27 below, based on information derived from FMG's systems.

27. The Groundwater Map identifies:

- (a) in circles, the locations of groundwater monitoring bores identified in the Groundwater Spreadsheet. The circles are colour-coded based on the average rate of groundwater decline at the relevant bore, measured in metres per year. The average rate of decline was calculated by multiplying the average daily rate of change referred to at paragraph 22(d) above by 365.
- (b) in triangles, the locations of flora sampling species referred to in the Guan Report as being either groundwater dependent or of potential groundwater dependence. The triangles are colour-coded to reflect the particular species identified.
- in background colours, the geological context surrounding the Solomon Hub. I am aware from my employment at FMG that the data underlying this geological context is publicly available from the Geological Survey of Western Australia, and that FMG uploads this data into its internal systems. The colours show the topmost geological unit at the relevant location. Based on my experience as a hydrogeologist and my work at FMG, I understand that the geological units are most commonly layered on top of each other, so that (for example) the paleochannels underlying the Solomon Hub Mine (coloured beige) sit on top of Brockman Iron Formation (coloured blue), which in turn may sit on top of other geological formations.

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Groundwater Abstraction Data

- 28. On 15 January 2024, I caused to be prepared a spreadsheet entitled "Abstraction Volume Check" (the Abstraction Spreadsheet). A copy of the Abstraction Spreadsheet is attached and marked "JAB-5".
- 29. The purpose of the Abstraction Spreadsheet was to check the statement at paragraph [11] of the Guan Report that "it is estimated that about 160 GL groundwater has been extracted from 2011 to 2022, based on the data provided in FMG's triennial review reports".
- 30. The Abstraction Spreadsheet was prepared by reviewing the data contained in FMG's Solomon Triennial Aquifer Reviews for the years 2014-2017 and 2017-2019, and FMG's Solomon Triennial Groundwater Monitoring Review for the years 2020-2022, and identifying the volumes of water reported to be extracted pursuant to FMG's groundwater licences during that period. The volumes of water are recorded, in kilolitres, at column D of the spreadsheet.
- 31. Based on the data outlined in the Abstraction Spreadsheet, FMG reported in the triennial reports that it abstracted 148.9 GL of groundwater across all of its Solomon groundwater licences between August 2011 and December 2022 inclusive. Of this amount, 28.9 GL of groundwater was abstracted from the Stockyard Supply, Southern Fortescue Supply, and Airstrip Supply, each of which is located entirely outside the areas of Solomon that are or will be dewatered and mined.
- 32. The Abstraction Spreadsheet does not document the amount of groundwater that FMG has reinjected into Kangeenarina Creek, Weelumurra Creek, or elsewhere pursuant to its supplementation programmes. I have not been requested to address that issue.

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Sworn by Jordin Alexander Barclay At East Perth in the State of Western Australia on 22 February 2024

Signature of deponen

Before me:

Signature of witness

KARL WELKER

a legal practitioner who has held a practice certificate for at least 2 years and who holds a current practice certificate.

"JAB-1"

WAD 37 of 2022

Federal Court of Australia

District Registry: Western Australia

Division: General

YINDJIBARNDI NGURRA ABORIGINAL CORPORATION RNTBC

Applicant

STATE OF WESTERN AUSTRALIA & ORS

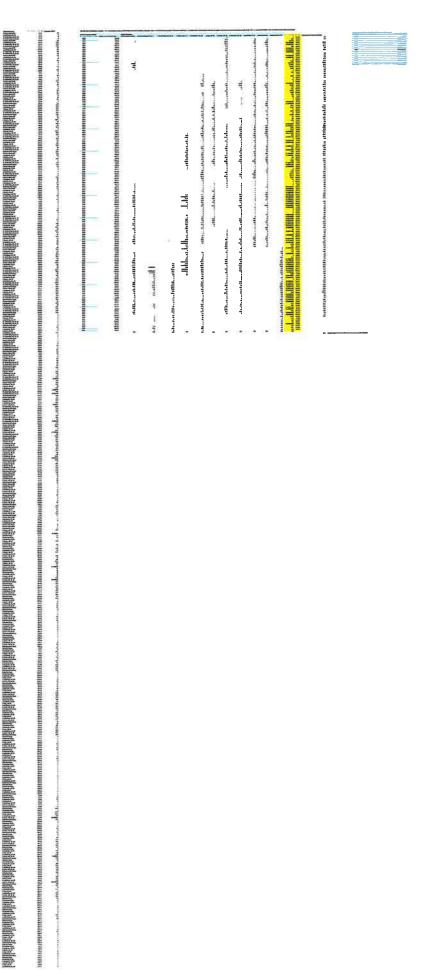
Respondents

This is the annexure marked **JAB-1** referred to in the affidavit of Jordin Alexander Barclay sworn on 22 February 2024.

signature of witness

KARL WELNEL

a legal practitioner who has held a practice certificate for at least 2 years and who holds a current practice certificate.



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IDCJAC000:005029 1930 2 10 0 Y 10/01/1930 IDCJAC000:005029 1930 2 11 0 Y 11/01/1930 IDCJAC000:005029 1930 2 12 0 Y 12/01/1930 IDCJAC000:005029 1930 2 13 0 Y 13/01/1930 IDCJAC000:005029 1930 2 14 0 Y 14/01/1930 IDCJAC000:005029 1930 2 15 0 Y 15/01/1930 IDCJAC000:005029 1930 2 16 0 Y 16/01/1930				9	0	Υ	9/01/1930
IDCJAC000: 005029 1930 2 11 0 Y 11/01/1930 IDCJAC000: 005029 1930 2 12 0 Y 12/01/1930 IDCJAC000: 005029 1930 2 13 0 Y 13/01/1930 IDCJAC000: 005029 1930 2 14 0 Y 14/01/1930 IDCJAC000: 005029 1930 2 15 0 Y 15/01/1930 IDCJAC000: 005029 1930 2 16 0 Y 16/01/1930				10	0	Υ	10/01/1930
IDCJAC000: 005029 1930 2 12 0 Y 12/01/1930 IDCJAC000: 005029 1930 2 13 0 Y 13/01/1930 IDCJAC000: 005029 1930 2 14 0 Y 14/01/1930 IDCJAC000: 005029 1930 2 15 0 Y 15/01/1930 IDCJAC000: 005029 1930 2 16 0 Y 16/01/1930				11	0	Υ	11/01/1930
IDCJAC000:005029 1930 2 13 0 Y 13/01/1930 IDCJAC000:005029 1930 2 14 0 Y 14/01/1930 IDCJAC000:005029 1930 2 15 0 Y 15/01/1930 IDCJAC000:005029 1930 2 16 0 Y 16/01/1930						Υ	
IDCJAC000: 005029 1930 2 14 0 Y 14/01/1930 IDCJAC000: 005029 1930 2 15 0 Y 15/01/1930 IDCJAC000: 005029 1930 2 16 0 Y 16/01/1930						Υ	13/01/1930
IDCJAC000:005029 1930 2 15 0 Y 15/01/1930 IDCJAC000:005029 1930 2 16 0 Y 16/01/1930						Υ	14/01/1930
IDCJAC000: 005029 1930 2 16 0 Y 16/01/1930						Υ	15/01/1930
						Υ	
						Υ	17/01/1930

			65	_		10/01/1000
IDCJAC000: 005029	1930	2	18	0	Y	18/01/1930
IDCJAC000: 005029	1930	2	19	0	Y	19/01/1930
IDCJAC000: 005029	1930	2	20	0	Y	20/01/1930
IDCJAC000: 005029	1930	2	21	0	Y	21/01/1930
IDCJAC000: 005029	1930	2	22	0	Y	22/01/1930
IDCJAC000: 005029	1930	2	23	0	Y	23/01/1930
IDCJAC000: 005029	1930	2	24	0	Y	24/01/1930
IDCJAC000: 005029	1930	2	25	0	Υ	25/01/1930
IDCJAC000: 005029	1930	2	26	0	Υ	26/01/1930
IDCJAC000: 005029	1930	2	27	0	Υ	27/01/1930
IDCJAC000: 005029	1930	2	28	0	Υ	28/01/1930
IDCJAC000: 005029	1930	3	1			1/01/1930
IDCJAC000: 005029	1930	3	2			2/01/1930
IDCJAC000: 005029	1930	3	3			3/01/1930
IDCJAC000: 005029	1930	3	4			4/01/1930
IDCJAC000: 005029	1930	3	5			5/01/1930
IDCJAC000: 005029	1930	3	6			6/01/1930
IDCJAC000: 005029	1930	3	7			7/01/1930
IDCJAC000: 005029	1930	3	8			8/01/1930
IDCJAC000: 005029	1930	3	9			9/01/1930
IDCJAC000: 005029	1930	3	10			10/01/1930
IDCJAC000: 005029	1930	3	11			11/01/1930
IDCJAC000: 005029	1930	3	12			12/01/1930
IDCJAC000: 005029	1930	3	13			13/01/1930
IDCJAC000: 005029	1930	3	14			14/01/1930
IDCJAC000: 005029	1930	3	15			15/01/1930
IDCJAC000: 005029	1930	3	16			16/01/1930
IDCJAC000: 005029	1930	3	17			17/01/1930
IDCJAC000: 005029	1930	3	18			18/01/1930
IDCJAC000: 005029	1930	3	19			19/01/1930
IDCJAC000: 005029	1930	3	20			20/01/1930
IDCJAC000: 005029	1930	3	21			21/01/1930
IDCJAC000: 005029	1930	3	22			22/01/1930
IDCJAC000: 005029	1930	3	23			23/01/1930
IDCJAC000: 005029	1930	3	24			24/01/1930
IDCJAC000: 005029	1930	3	25			25/01/1930
IDCJAC000: 005029	1930	3	26			26/01/1930
IDCJAC000: 005029	1930	3	27			27/01/1930
IDCJAC000: 005029	1930	3	28			28/01/1930
IDCJAC000: 005029	1930	3	29			29/01/1930
IDCJAC000: 005029	1930	3	30			30/01/1930
IDCJAC000: 005029	1930	3	31			31/01/1930
IDCJAC000: 005029	1930	4	1			1/01/1930
IDCJAC000: 005029	1930	4	2			2/01/1930
IDCJAC000: 005029	1930	4	3			3/01/1930
IDCJAC000: 005029	1930	4	4			4/01/1930
IDCJAC000: 005029	1930	4	5			5/01/1930
IDCJAC000: 005029	1930	4	6			6/01/1930
IDCJAC000: 005029	1930	4	7			7/01/1930
IDCJAC000: 005029	1930	4	8			8/01/1930

ObsCode=139&p_display_type=dataFile&p_startYear=&p_c=&p_stn_num=005029

BOM Statistics

Mean (all years

372.8 mm

Row Labels	Sum of Rainfall amount (millimetres)
2011	506.9
2012	387.2
2013	421.5
2014	253.2
2015	378.5
2016	476.6
2017	524.4
2018	301.6
2019	243.9
2020	291.1
2021	484.7
2022	479.5
2023	383.5
Grand Total	5132.6

IDCJAC0001 007176 D	ata (accessed fr	om http://w	ww.bom.gov.au/jsp/ncc/cdio/weath	erData/av?p_ncc
Product co Bureau of I'			Rainfall am Period ove Quality	Date
IDCJAC000: 007176	1971	1	1	1/01/1971
IDCJAC000: 007176	1971	1	2	2/01/1971
IDCJAC000: 007176	1971	1	3	3/01/1971
IDCJAC000: 007176	1971	1	4	4/01/1971
IDCJAC000: 007176	1971	1	5	5/01/1971
IDCJAC000:007176	1971	1	6	6/01/1971
IDCJAC000: 007176	1971	1	7	7/01/1971
IDCJAC000: 007176	1971	1	8	8/01/1971
IDCJAC000: 007176	1971	1	9	9/01/1971
IDCJAC000: 007176	1971	1	10	10/01/1971
IDCJAC000: 007176	1971	1	11	11/01/1971
IDCJAC000: 007176	1971	1	12	12/01/1971
IDCJAC000: 007176	1971	1	13	13/01/1971
IDCJAC000: 007176	1971	1	14	14/01/1971
IDCJAC000:007176	1971	1	15	15/01/1971
IDCJAC000:007176	1971	1	16	16/01/1971
IDCJAC000: 007176	1971	1	17	17/01/1971
IDCJAC000: 007176	1971	1	18	18/01/1971
IDCJAC000: 007176	1971	1	19	19/01/1971
IDCJAC000: 007176	1971	1	20	20/01/1971
IDCJAC000:007176	1971	1	21	21/01/1971
IDCJAC000: 007176	1971	1	22	22/01/1971
IDCJAC000:007176	1971	1	23	23/01/1971
IDCJAC000: 007176	1971	1	24	24/01/1971
IDCJAC000: 007176	1971	1	25	25/01/1971
IDCJAC000: 007176	1971	1	26	26/01/1971
IDCJAC000:007176	1971	1	27	27/01/1971
IDCJAC000: 007176	1971	1	28	28/01/1971
IDCJAC000: 007176	1971	1	29	29/01/1971
IDCJAC000: 007176	1971	1	30	30/01/1971
IDCJAC000: 007176	1971	1	31	31/01/1971
IDCJAC000:007176	1971	2	1	1/01/1971
IDCJAC000:007176	1971	2	2	2/01/1971
IDCJAC000: 007176	1971	2	3	3/01/1971
IDCJAC000: 007176	1971	2	4	4/01/1971
IDCJAC000: 007176	1971	2	5	5/01/1971
IDCJAC000: 007176	1971	2	6	6/01/1971
IDCJAC000:007176	1971	2	7	7/01/1971
IDCJAC000:007176	1971	2	8	8/01/1971
IDCJAC000:007176	1971	2	9	9/01/1971
IDCJAC000: 007176	1971	2	10	10/01/1971
IDCJAC000:007176	1971	2	11	11/01/1971
IDCJAC000:007176	1971	2	12	12/01/1971
IDCJAC000:007176	1971	2	13	13/01/1971
IDCJAC000:007176	1971	2	14	14/01/1971
IDCJAC000:007176	1971	2	15	15/01/1971
IDCJAC000:007176	1971	2	16	16/01/1971
IDCJAC000: 007176	1971	2	17	17/01/1971

IDCJAC000: 007176	1971	2	18	18/01/1971
IDCJAC000: 007176	1971	2	19	19/01/1971
IDCJAC000: 007176	1971	2	20	20/01/1971
IDCJAC000: 007176	1971	2	21	21/01/1971
IDCJAC000: 007176	1971	2	22	22/01/1971
IDCJAC000:007176	1971	2	23	23/01/1971
IDCJAC000: 007176	1971	2	24	24/01/1971
IDCJAC000: 007176	1971	2	25	25/01/1971
IDCJAC000: 007176	1971	2	26	26/01/1971
IDCJAC000:007176	1971	2	27	27/01/1971
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IDCJAC000: 007176	1971	3	1	1/01/1971
IDCJAC000: 007176	1971	3	2	2/01/1971
IDCJAC000: 007176	1971	3	3	3/01/1971
IDCJAC000: 007176	1971	3	4	4/01/1971
IDCJAC000: 007176	1971	3	5	5/01/1971
IDCJAC000: 007176	1971	3	6	6/01/1971
IDCJAC000: 007176	1971	3	7	7/01/1971
IDCJAC000: 007176	1971	3	8	8/01/1971
IDCJAC000: 007176	1971	3	9	9/01/1971
IDCJAC000: 007176	1971	3	10	10/01/1971
IDCJAC000: 007176	1971	3	11	11/01/1971
IDCJAC000: 007176	1971	3	12	12/01/1971
IDCJAC000: 007176	1971	3	13	13/01/1971
IDCJAC000: 007176	1971	3	14	14/01/1971
IDCJAC000: 007176	1971	3	15	15/01/1971
IDCJAC000: 007176	1971	3	16	16/01/1971
IDCJAC000: 007176	1971	3	17	17/01/1971
IDCJAC000: 007176	1971	3	18	18/01/1971
IDCJAC000: 007176	1971	3	19	19/01/1971
IDCJAC000: 007176	1971	3	20	20/01/1971
IDCJAC000: 007176	1971	3	21	21/01/1971
IDCJAC000: 007176	1971	3	22	22/01/1971
IDCJAC000: 007176	1971	3	23	23/01/1971
IDCJAC000: 007176	1971	3	24	24/01/1971
IDCJAC000: 007176	1971	3	25	25/01/1971
IDCJAC000: 007176	1971	3	26	26/01/1971
IDCJAC000: 007176	1971	3	27	27/01/1971
IDCJAC000: 007176	1971	3	28	28/01/1971
IDCJAC000: 007176	1971	3	29	29/01/1971
IDCJAC000: 007176	1971	3	30	30/01/1971
IDCJAC000: 007176	1971	3	31	31/01/1971
IDCJAC000: 007176	1971	4	1	1/01/1971
IDCJAC000: 007176	1971	4	2	2/01/1971
IDCJAC000: 007176	1971	4	3	3/01/1971
IDCJAC000: 007176	1971	4	4	4/01/1971
IDCJAC000: 007176	1971	4	5	5/01/1971
IDCJAC000: 007176	1971	4	6	6/01/1971
IDCJAC000: 007176	1971	4	7	7/01/1971
IDCJAC000: 007176	1971	4	8	8/01/1971

$ObsCode = 136\&p_display_type = dailyDataFile\&p_startYear = \&p_c = \&p_stn_num = 00\% and a property of the pro$

BOM Statistics Mean (all years

321.8 mm

Row Labels	Sum of Rainfall amount (millimetres)
2011	416.8
2012	453.2
2013	322.8
2014	363
2015	448.8
2016	238.8
2017	519
2018	206.4
2019	115.8
2020	359.2
2021	297
2022	296.4
2023	232.4
Grand Total	4269.6

IDCJAC0001_005005_D	ata (accessed fro	m http://w	ww.bon	n.gov.au/jsp/n	cc/cdio/weathe	rData/av?p_ncc
Product co Bureau of I				infall am Perio		Date
IDCJAC000: 005005	1912	1	1	0	Υ	1/01/1912
IDCJAC000: 005005	1912	1	2	0	Υ	2/01/1912
IDCJAC000! 005005	1912	1	3	0	Υ	3/01/1912
IDCJAC000! 005005	1912	1	4	0	Υ	4/01/1912
IDCJAC000! 005005	1912	1	5	0	Υ	5/01/1912
IDCJAC000: 005005	1912	1	6	0	Υ	6/01/1912
IDCIAC000: 005005	1912	1	7	0	Υ	7/01/1912
IDCJAC000! 005005	1912	1	8	0	Υ	8/01/1912
IDCJAC000! 005005	1912	1	9	0	Υ	9/01/1912
IDCJAC000! 005005	1912	1	10	0	Υ	10/01/1912
IDCJAC000! 005005	1912	1	11	0	Υ	11/01/1912
IDCJAC000! 005005	1912	1	12	0	Υ	12/01/1912
IDCJAC000! 005005	1912	1	13	0	Υ	13/01/1912
IDCJAC000! 005005	1912	1	14	0	Υ	14/01/1912
IDCJAC000! 005005	1912	1	15	0	Υ	15/01/1912
IDCJAC000! 005005	1912	1	16	4.1	1 Y	16/01/1912
IDCJAC000! 005005	1912	1	17	0	Υ	17/01/1912
IDCJAC000! 005005	1912	1	18	0	Υ	18/01/1912
IDCJAC000! 005005	1912	1	19	0	Υ	19/01/1912
IDCJAC000! 005005	1912	1	20	0	Υ	20/01/1912
IDCJAC000: 005005	1912	1	21	0	Υ	21/01/1912
IDCJAC000! 005005	1912	1	22	0	Υ	22/01/1912
IDCJAC000! 005005	1912	1	23	0	Υ	23/01/1912
IDCJAC000! 005005	1912	1	24	0	Υ	24/01/1912
IDCJAC000! 005005	1912	1	25	0	Υ	25/01/1912
IDCJAC000! 005005	1912	1	26	23.1	1 Y	26/01/1912
IDCJAC000! 005005	1912	1	27	0	Υ	27/01/1912
IDCJAC000! 005005	1912	1	28	0	Υ	28/01/1912
IDCJAC000! 005005	1912	1	29	0	Υ	29/01/1912
IDCJAC000! 005005	1912	1	30	0	Υ	30/01/1912
IDCJAC000! 005005	1912	1	31	0	Υ	31/01/1912
IDCJAC000! 005005	1912	2	1	0	Υ	1/01/1912
IDCJAC000! 005005	1912	2	2	0	Υ	2/01/1912
IDCJAC000! 005005	1912	2	3	0	Υ	3/01/1912
IDCJAC000! 005005	1912	2	4	0	Υ	4/01/1912
IDCJAC000! 005005	1912	2	5	0	Υ	5/01/1912
IDCJAC000! 005005	1912	2	6	0	Υ	6/01/1912
IDCJAC000! 005005	1912	2	7	11.4	1 Y	7/01/1912
IDCJAC000: 005005	1912	2	8	0	Υ	8/01/1912
IDCJAC000! 005005	1912	2	9	1.3	1 Y	9/01/1912
IDCJAC000! 005005	1912	2	10	0	Υ	10/01/1912
IDCJAC000! 005005	1912	2	11	0	Υ	11/01/1912
IDCJAC000! 005005	1912	2	12	28.4	1 Y	12/01/1912
IDCJAC000! 005005	1912	2	13	0	Υ	13/01/1912
IDCJAC000: 005005	1912	2	14	0	Y	14/01/1912
IDCJAC000: 005005	1912	2	15	0	Y	15/01/1912
IDCJAC000:005005	1912	2	16	0	Y	16/01/1912
IDCJAC000: 005005	1912	2	17	0	Υ	17/01/1912

IDCJAC000! 005005	1912	2	18	0	Y	18/01/1912
IDCJAC000! 005005	1912	2	19	0	Υ	19/01/1912
IDCJAC000: 005005	1912	2	20	0	Υ	20/01/1912
IDCJAC000: 005005	1912	2	21	0	Υ	21/01/1912
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IDCJAC000: 005005	1912	2	24	0	Y	24/01/1912
IDCJAC000: 005005	1912	2	25	0	Y	25/01/1912
IDCJAC000! 005005	1912	2	26	0	Y	26/01/1912
IDCJAC000: 005005	1912	2	27	0	Υ	27/01/1912
IDCJAC000: 005005	1912	2	28	0	Υ	28/01/1912
IDCJAC000: 005005	1912	2	29	0	Υ	29/01/1912
IDCJAC000: 005005	1912	3	1	0	Υ	1/01/1912
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IDCJAC000: 005005	1912	3	6	0	Υ	6/01/1912
IDCJAC000! 005005	1912	3	7	0	Υ	7/01/1912
IDCJAC000: 005005	1912	3	8	0	Υ	8/01/1912
IDCJAC000: 005005	1912	3	9	0	Y	9/01/1912
IDCJAC000: 005005	1912	3	10	0	Y	10/01/1912
IDCJAC000: 005005	1912	3	11	0	Y	11/01/1912
IDCJAC000: 005005	1912	3	12	0	Υ	12/01/1912
IDCJAC000: 005005	1912	3	13	0	Υ	13/01/1912
IDCJAC000: 005005	1912	3	14	0	Υ	14/01/1912
IDCJAC000: 005005	1912	3	15	0	Υ	15/01/1912
IDCJAC000: 005005	1912	3	16	0	Υ	16/01/1912
IDCJAC000: 005005	1912	3	17	0	Υ	17/01/1912
IDCJAC000: 005005	1912	3	18	0	Y	18/01/1912
IDCJAC000: 005005	1912	3	19	0	Y	19/01/1912
IDCJAC000: 005005	1912	3	20	0	Υ	20/01/1912
IDCJAC000! 005005	1912	3	21	0	Υ	21/01/1912
IDCJAC000! 005005	1912	3	22	73.7	1 Y	22/01/1912
IDCJAC000: 005005	1912	3	23	33	1 Y	23/01/1912
IDCJAC000: 005005	1912	3	24	0	Y	24/01/1912
IDCJAC000: 005005	1912	3	25	0	Υ	25/01/1912
IDCJAC000! 005005	1912	3	26	0	Υ	26/01/1912
IDCJAC000: 005005	1912	3	27	0	Υ	27/01/1912
IDCJAC000: 005005	1912	3	28	0	Υ	28/01/1912
IDCJAC000: 005005	1912	3	29	0	Υ	29/01/1912
IDCJAC000: 005005	1912	3	30	0	Υ	30/01/1912
IDCJAC000: 005005	1912	3	31	9.1	1 Y	31/01/1912
IDCJAC000: 005005	1912	4	1	0	Υ	1/01/1912
IDCJAC000! 005005	1912	4	2	0	Υ	2/01/1912
IDCJAC000! 005005	1912	4	3	0	Υ	3/01/1912
IDCJAC000! 005005	1912	4	4	0	Υ	4/01/1912
IDCJAC000! 005005	1912	4	5	0	Y	5/01/1912
IDCJAC000! 005005	1912	4	6	0	Y	6/01/1912
IDCJAC000: 005005	1912	4	7	0	Υ	7/01/1912

$ObsCode = 139\&p_display_type = dataFile\&p_startYear = \&p_c = \&p_stn_n\iota$

BOM Statistics Mean (all years 384.5

Row Labels	Sum of Rainfall amount (millimetres)
2011	450.6
2012	425.5
2013	491
2014	323
2015	323.5
Grand Total	2013.6

Product co Station number	Year	Month	Monthly Precipitation Total (millimetres)
IDCJAC000: 005014	1886	7	8.1
IDCJAC000: 005014	1886	8	2
IDCJAC000: 005014	1886	9	0
IDCJAC000: 005014	1886	10	0
IDCJAC000: 005014	1886	11	1.8
IDCJAC000: 005014	1886	12	23.9
IDCJAC000: 005014	1887	1	147.1
IDCJAC000: 005014	1887	2	60.7
IDCJAC000: 005014	1887	3	37.6
IDCJAC000: 005014	1887	4	
IDCJAC000: 005014	1887	5	28.2
IDCJAC000: 005014	1887	6	53.3
IDCJAC000: 005014	1887	7	7.1
IDCJAC000: 005014	1887	8	0.5
IDCJAC000: 005014	1887	9	0
IDCJAC000: 005014	1887	10	0
IDCJAC000: 005014	1887	11	0
IDCJAC000: 005014	1887	12	
IDCJAC000: 005014	1888	1	
IDCJAC000: 005014	1888	2	50.5
IDCJAC000: 005014	1888	3	
IDCJAC000: 005014	1888	4	
IDCJAC000: 005014	1888	5	
IDCJAC000: 005014	1888	6	
IDCJAC000: 005014	1888	7	
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IDCJAC000: 005014	1891	5	0
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IDCJAC000: 005014	1894	8	0

377

449 333 664.7 456.3 594.8 362.2 352.6 266.4 189.6 483.2 523.3 474.7 237 **5386.8**

			2
Quality	Date		
Y	1/7/1886		
Ϋ́	1/8/1886	BOM Statistics	•
Ϋ́	1/9/1886	Mean (all year	
Y	1/10/1886	mean (an year	
Ϋ́	1/11/1886		
Ϋ́	1/12/1886	Row Labels	Sum of Monthly Precipitation Total (millimetres)
Ϋ́	1/1/1887	2011	
Ϋ́	1/2/1887	2012	
Y	1/3/1887	2013	•
Ϋ́	1/4/1887	2014	
Y	1/5/1887	2015	5
Ϋ́	1/6/1887	2016	\$
Ϋ́	1/7/1887	2017	3
Y	1/8/1887	2018	
Y	1/9/1887	2019	1
Ϋ́	1/10/1887	2020	4
Ϋ́	1/11/1887	2021	5
Y	1/12/1887	2022	4
Ϋ́	1/1/1888	2023	
Ϋ́	1/2/1888	Grand Total	53
Y	1/3/1888		
Y	1/4/1888		
Y	1/5/1888		
Υ	1/6/1888		
Y	1/7/1888		
Υ	1/8/1888		
Y	1/9/1888		
Y	1/10/1888		
Y	1/11/1888		
Y	1/12/1888		
Y	1/1/1889		
Υ	1/2/1889		
Υ	1/3/1889		
Υ	1/4/1889		
Υ	1/5/1889		
Υ	1/6/1889		
Υ	1/7/1889		
Υ	1/8/1889		
Υ	1/9/1889		
Y	1/10/1889		
Y	1/11/1889		
Y	1/12/1889		
Y	1/1/1890		
	4 /0 /4 000		

Υ

Υ

Υ

Υ

Υ

Υ

1/2/1890

1/3/1890

1/4/1890

1/5/1890

1/6/1890

1/7/1890

```
1/8/1890
Y
Υ
          1/9/1890
Y
          1/10/1890
Υ
          1/11/1890
Υ
          1/12/1890
Y
          1/1/1891
Υ
          1/2/1891
Υ
          1/3/1891
Y
          1/4/1891
Υ
          1/5/1891
Y
          1/6/1891
Υ
          1/7/1891
Υ
          1/8/1891
Y
          1/9/1891
Y
          1/10/1891
Υ
          1/11/1891
Y
          1/12/1891
Y
          1/1/1892
Υ
          1/2/1892
          1/3/1892
Y
          1/4/1892
Y
Υ
          1/5/1892
Υ
          1/6/1892
Υ
          1/7/1892
Y
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Υ
          1/9/1892
Υ
          1/10/1892
Υ
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Y
          1/12/1892
Υ
          1/1/1893
Y
          1/2/1893
Υ
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Υ
          1/4/1893
Y
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Υ
          1/6/1893
Y
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Y
          1/8/1893
Υ
          1/9/1893
Y
          1/10/1893
Υ
          1/11/1893
          1/12/1893
Υ
Υ
          1/1/1894
Υ
          1/2/1894
Y
          1/3/1894
Υ
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Υ
          1/5/1894
Y
          1/6/1894
Υ
          1/7/1894
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1/8/1894

Y

IDCJAC0009 005026 1800	Data (accessed	from htt	p://www.bom.gov.au/jsp/ncc/cdio/w	veatherData/av?
Product cor Bureau of N Year		Day	Rainfall am Period over Quality	Date
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IDCJAC000 005026	1950 01	02		2/01/1950
IDCJAC000 005026	1950 01	03		3/01/1950
IDCJAC000 005026	1950 01	04		4/01/1950
IDCJAC000 005026	1950 01	05		5/01/1950
IDCJAC000 005026	1950 01	06		6/01/1950
IDCJAC000 005026	1950 01	07		7/01/1950
IDCJAC000 005026	1950 01	80		8/01/1950
IDCJAC000 005026	1950 01	09		9/01/1950
IDCJAC000 005026	1950 01		10	10/01/1950
IDCJAC000 005026	1950 01		11	11/01/1950
IDCJAC000 005026	1950 01		12	12/01/1950
IDCJAC000 005026	1950 01		13	13/01/1950
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IDCJAC000 005026	1950 01		15	15/01/1950
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IDCJAC000 005026	1950 01		21	21/01/1950
IDCJAC000 005026	1950 01		22	22/01/1950
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IDCJAC000 005026	1950 02	03		3/01/1950
IDCJAC000 005026	1950 02	04		4/01/1950
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IDCJAC000 005026	1950 02	06		6/01/1950
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IDCJAC000 005026	1950 03		25	25/01/19	
IDCJAC000 005026	1950 03		26	26/01/19	50
IDCJAC000 005026	1950 03		27	27/01/19	
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IDCJAC000 005026	1950 03		31	31/01/19	
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IDCJAC000 005026	1950 04	03		3/01/19	
IDCJAC000 005026	1950 04	04		4/01/19	
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IDCJAC000 005026	1950 04	06		6/01/19	
IDCJAC000 005026	1950 04	07		7/01/19	
IDCJAC000 005026	1950 04	80		8/01/19	150

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BOM Statistics Mean (all years 457

Row Labels	Sum of Rainfall amount (millimetres)
2011	566
2012	604
2013	704.8
2014	394.8
2015	482.4
2016	316.6
2017	451
2018	428
2019	163.2
Grand Total	4110.8

IDCJAC0009_005001_1800	_Data (accesse	d from htt	p://wwv	v.bom.gov.au	ı/jsp/ncc/cdio/w	eatherData/av?
Product cod Bureau of № Year	r Month	Day	Rai	nfall am Peri	od over Quality	Date
IDCJAC000 005001	1923 01	01		0	Υ	1/01/1923
IDCJAC000 005001	1923 01	02		0	Υ	2/01/1923
IDCJAC000 005001	1923 01	03		11.2	1 Y	3/01/1923
IDCJAC000 005001	1923 01	04		29.2	1 Y	4/01/1923
IDCJAC000 005001	1923 01	05		0	Υ	5/01/1923
IDCJAC000 005001	1923 01	06		0	Υ	6/01/1923
IDCJAC000 005001	1923 01	07		0	Υ	7/01/1923
IDCJAC000 005001	1923 01	08		2.3	1 Y	8/01/1923
IDCJAC000 005001	1923 01	09		0	Υ	9/01/1923
IDCJAC000 005001	1923 01		10	0	Υ	10/01/1923
IDCJAC000 005001	1923 01		11	0	Υ	11/01/1923
IDCJAC000 005001	1923 01		12	0	Υ	12/01/1923
IDCJAC000 005001	1923 01		13	0	Υ	13/01/1923
IDCJAC000 005001	1923 01		14	0	Υ	14/01/1923
IDCJAC000 005001	1923 01		15	2.8	1 Y	15/01/1923
IDCJAC000 005001	1923 01		16	0	Υ	16/01/1923
IDCJAC000 005001	1923 01		17	0	Υ	17/01/1923
IDCJAC000 005001	1923 01		18	0	Υ	18/01/1923
IDCJAC000 005001	1923 01		19	4.1	1 Y	19/01/1923
IDCJAC000 005001	1923 01		20	0	Υ	20/01/1923
IDCJAC000 005001	1923 01		21	0	Υ	21/01/1923
IDCJAC000 005001	1923 01		22	0	Υ	22/01/1923
IDCJAC000 005001	1923 01		23	0	Υ	23/01/1923
IDCJAC000 005001	1923 01		24	0	Υ	24/01/1923
IDCJAC000 005001	1923 01		25	0	Υ	25/01/1923
IDCJAC000 005001	1923 01		26	0	Υ	26/01/1923
IDCJAC000 005001	1923 01		27	3.8	1 Y	27/01/1923
IDCJAC000 005001	1923 01		28	1	1 Y	28/01/1923
IDCJAC000 005001	1923 01		29	0	Υ	29/01/1923
IDCIAC000 005001	1923 01		30	0	Υ	30/01/1923
IDCJAC000 005001	1923 01		31	0	Υ	31/01/1923
IDCJAC000 005001	1923 02	01		0	Υ	1/01/1923
IDCJAC000 005001	1923 02	02		0	Υ	2/01/1923
IDCJAC000 005001	1923 02	03		0	Υ	3/01/1923
IDCJAC000 005001	1923 02	04		0	Y	4/01/1923
IDCJAC000 005001	1923 02	05		0	Υ	5/01/1923
IDCJAC000 005001	1923 02	06		0	Y	6/01/1923
IDCJAC000 005001	1923 02	07		0	Y	7/01/1923
IDCJAC000 005001	1923 02	08		0	Y	8/01/1923
IDCJAC000 005001	1923 02	09		0	Ϋ́	9/01/1923
IDCJAC000 005001	1923 02	00	10	4.1	1 Y	10/01/1923
IDCJAC000 005001	1923 02		11	0	Υ Υ	11/01/1923
IDCJAC000 005001	1923 02		12	2.3	1 Y	12/01/1923
IDCJAC000 005001	1923 02		13	0	Y	13/01/1923
IDCJAC000 005001	1923 02		14	0	Ϋ́	14/01/1923
IDCJAC000 005001	1923 02		15	0	Ϋ́	15/01/1923
IDCJAC000 005001	1923 02		16	0	Ϋ́	16/01/1923
			17	0	Y	17/01/1923
IDCJAC000 005001	1923 02		1/	U	•	1,,01,1323

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IDCJAC000 005001	1923 02		19	0	Υ	19/01/1923
IDCJAC000 005001	1923 02		20	0	Υ	20/01/1923
IDCJAC000 005001	1923 02		21	0	Υ	21/01/1923
IDCJAC000 005001	1923 02		22	0	Υ	22/01/1923
IDCJAC000 005001	1923 02		23	0	Υ	23/01/1923
IDCJAC000 005001	1923 02		24	0	Υ	24/01/1923
IDCJAC000 005001	1923 02		25	0	Υ	25/01/1923
IDCJAC000 005001	1923 02		26	0	Υ	26/01/1923
IDCJAC000 005001	1923 02		27	31.5	1 Y	27/01/1923
IDCJAC000 005001	1923 02		28	6.4	1 Y	28/01/1923
IDCJAC000 005001	1923 03	01		0	Υ	1/01/1923
IDCJAC000 005001	1923 03	02		0	Υ	2/01/1923
IDCJAC000 005001	1923 03	03		0.3	1 Y	3/01/1923
IDCJAC000 005001	1923 03	04		2	1 Y	4/01/1923
IDCJAC000 005001	1923 03	05		13.2	1 Y	5/01/1923
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IDCJAC000 005001	1923 03		10	4.8	1 Y	10/01/1923
IDCJAC000 005001	1923 03		11	0	Υ	11/01/1923
IDCJAC000 005001	1923 03		12	0	Υ	12/01/1923
IDCJAC000 005001	1923 03		13	0	Υ	13/01/1923
IDCJAC000 005001	1923 03		14	0	Υ	14/01/1923
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IDCJAC000 005001	1923 03		16	0	Υ	16/01/1923
IDCJAC000 005001	1923 03		17	0	Υ	17/01/1923
IDCJAC000 005001	1923 03		18	0	Υ	18/01/1923
IDCJAC000 005001	1923 03		19	8.0	1 Y	19/01/1923
IDCJAC000 005001	1923 03		20	8.0	1 Y	20/01/1923
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IDCJAC000 005001	1923 04	02		0	Υ	2/01/1923
IDCJAC000 005001	1923 04	03		0	Υ	3/01/1923
IDCJAC000 005001	1923 04	04		0	Υ	4/01/1923
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BOM Statistics Mean (all years

348.8

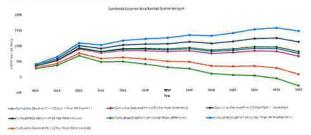
Row Labels	Sum of Rainfall amount (millimetres)			
2011	579.6			
2012	347.5			
2013	647.2			
2014	360.6			
2015	493.7			
2016	288.3			
2017	306.8			
2018	336.8			
2019	276.1			
2020	502.3			
2021	416.2			
2022	449			
2023	363.1			
Grand Total	5367.2			

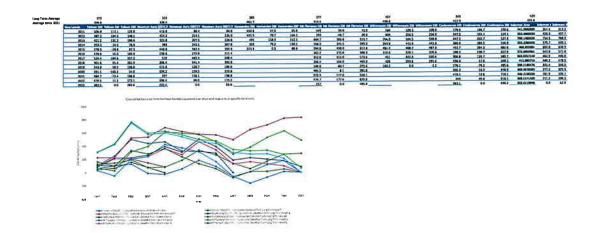
Adapted serval mawn 1 paws 377 (fram Mr. Retracted) lorns (seen serval frame 2 paws Adapted serval frame 2 paws Adapted serval frame 2 paws 4 paws 4

39.93

Currentless Consisted from Vision

ow Label Armed Rately	4 from PM 6 Stations	Deviation from Main 1	Completive Deviation from 100													Deviation from 100 hear Mean ICo.
010	M.S	incomplete year - de not use	incomplete year - do not use													year - da not use
OLI .	741.200311)	364.2003333	364,2083333	312 208333	312.70	368	363	419	419	357	357	184	284	392	392	
012	534400333	177,4983333	541,7066667	125,4983333	437.707	182	550.107	233		170	525,707			206	598	
CLS	760,1442222	383.1483313	924.455	331,1483333	768,855	347	937.455	434	1090.46	376	902.155		684.855	411	1009.46	
014	25533000	-1.21,7616667	HE HEREER	-173,7616667	595,093	-118	\$19.89B	-67	1023.89	-129	773.083		483.093			
013	441,817381	83.85238095	£26.9457143	31_65238095	626.945	8.0	907.946	139	1162.95	76	849,446		486.946	112	1037.95	
118	173,3912161	-3.10476190S	883,8409524	-55.1047619	571.841	1	909.041	52	1215.04	-11	838.141	-83	403,641	25	1053.04	
u)	133,3177140	-25.07428571	860,7666667	-75.07428571	496,767	-19	ESO.167	33	1247.17	-31	808.267	+103	300.767	5	1058 17	
116	411.085715	34.085715	844.8523817	-17.914245	478.652	3.0	928,452	89	1336.45	27	834.652	-46	154.8SZ	a	1120.45	
559	298.1190476	-HIT JUID95233	813.9714293	-132,6809524	345,971	-77	851.771	-26	1310.77	-44	745.471	-161	93.9714	-53	1067.77	
110	408.9075583	31.9078583	845,8792876	-20,0921417	325,879	36	687.679	87	1397.00	24	770,179	-48	45,8790	60	1127.88	
111	434,1190133	61,21903334	907.05933209	9.319033343	335,098	65	953.293	116	1514.3	54	124,591	-19	27.0983	89	1217.3	
122	363,3371429	-13,84385714	\$53.255463J		269,255	-10	943,655	41	1555.66	-21	BC3.255	-94	-66,7445	24	1231.66	
m	222.81119948	-154.3800952	738.8673685		62,8674	-150	793,467	-99	1456.47	-162	641.367	-134	-301.133	-126	1105.47	
24		incomplete way - six not use				incomoleta		namen	manufet a	veryes	number	mer - da no	E see			





"JAB-2"

WAD 37 of 2022

Federal Court of Australia

District Registry: Western Australia

Division: General

YINDJIBARNDI NGURRA ABORIGINAL CORPORATION RNTBC

Applicant

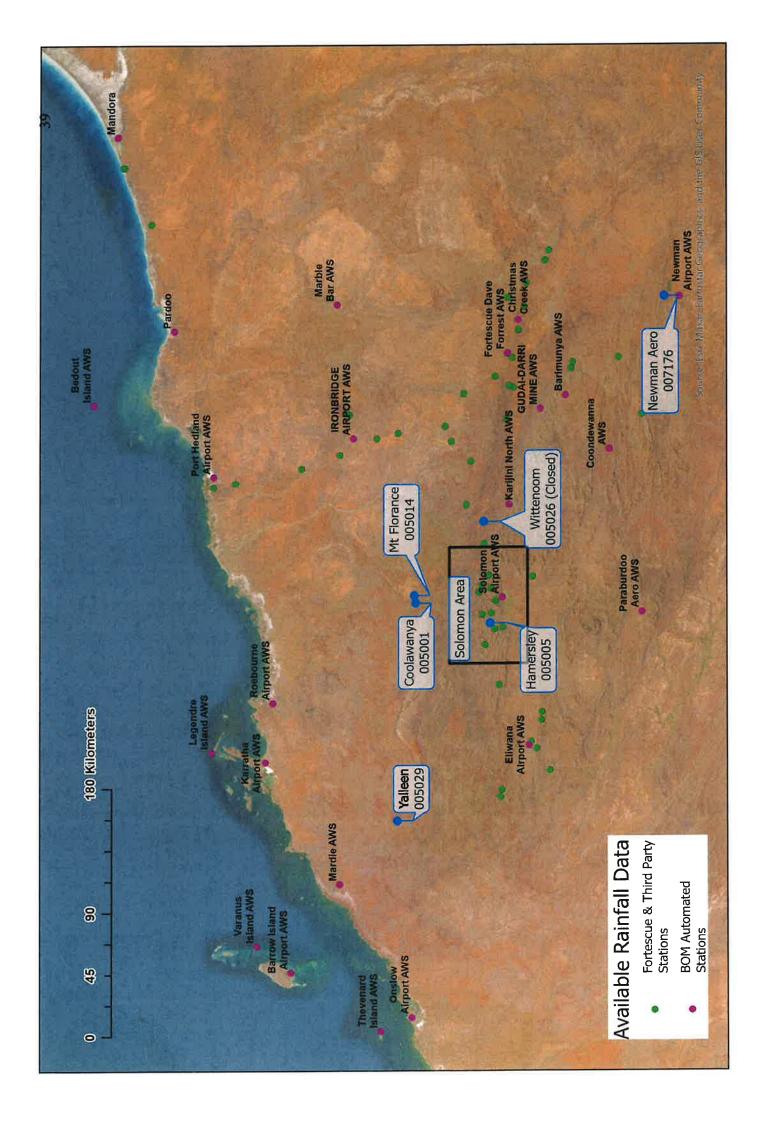
STATE OF WESTERN AUSTRALIA & ORS

Respondents

This is the annexure marked **JAB-2** referred to in the affidavit of Jordin Alexander Barclay sworn on 22 February 2024.

Signature of witness

KML WELLER



"JAB-3"

WAD 37 of 2022

Federal Court of Australia

District Registry: Western Australia

Division: General

YINDJIBARNDI NGURRA ABORIGINAL CORPORATION RNTBC

Applicant

STATE OF WESTERN AUSTRALIA & ORS

Respondents

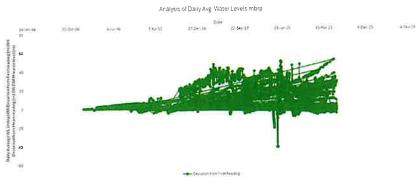
This is the annexure marked **JAB-3** referred to in the affidavit of Jordin Alexander Barclay sworn on 22 February 2024.

Signature of witness

KARL WELMER

Sample Point Name Sample Point Easting	1000	ple Point Northing Average	Sample Point Northing Average of Dally Avg. Water Level mbi Date of first water level reading Date of final water level reading First water Final water level water Final water level water Final water level reading First water Final Water Fi	st water level reading Date of fina	water level reading Fire	st water Final w	vater lev Overa	Il Rate of Change
AS MEDOCE	50402	0C BC	8,111118	21/07/2010	19/12/2023	8.72	70.62	0.0004
AS-MB0381	598043.75	7538075.726	18 2764377	26/09/2017	6/01/2024	18.66	14.05	-0.000/
AS-MB038S	598043.194	7538063.336	18.18323364	26/09/2017	6/01/2024	17.57	18.29	0.0003
AS-MB041D	599197.107	7534495.314	18.59918266	14/10/2017	6/01/2024	17.84	18.60	0.0003
AS-MB0411	599197.107	7534495.314	18.51281498	14/10/2017	6/01/2024	17.8	18.57	0.0003
AS-MB041S	599197.581	7534507.334	19.04067067	14/10/2017	6/01/2024	18.16	19.12	0.0004
AS-MB042D	598005.937	7531356.865	24.90363951	17/03/2018	10/10/2023	24.24	25.27	0.0005
AS-MB0428	598005.236	7531368.959	23.61648107	17/03/2018	10/10/2023	22.96	23.99	0.0005
Cabbage Gum Bore	553851	7563228	3.232960418	26/05/2008	18/10/2022	2.34	3.70	0.0003
Cattle Well	585877	7535255	13.99431592	30/07/2008	10/01/2024	9.29	38.60	0.0052
Colman Bore	605159	7548447	52.30338863	11/07/2012	20/10/2023	50.94	55.89	0.0012
Colyeen Bore	592955	7578596	3.235434783	5/08/2008	21/10/2023	3.1	3.40	0.0001
CPM010BIF	553184	7543003	33,00193396	10/08/2011	30/03/2023	33.04	37.39	0.0010
CPMOTOD	553171	7542897	31.62313081	10/08/2011	30/03/2023	37.99	37.50	0.0013
CPM011D	555016.41	7552200,24	23.58458277	12/01/2011	30/03/2023	23.76	24.78	0.0002
CPM011S	555016	7552200	23.92114416	12/01/2011	30/03/2023	23.94	24.95	0.0002
CPM013BIF	565414	7540104	58.73636543	10/08/2011	21/05/2023	56.76	59.04	0.0005
CPM013S	565414	7540092	57,7323913	10/08/2011	27/09/2022	56.74	58.86	0.0005
CPM017D	570669	7541398	8.006451897	10/09/2011	20/05/2023	5.62	7.36	0.0004
CPM017S	570673	7541397	6.525696332	10/08/2011	6/01/2024	5.53	7.82	0.0005
CPP010	553174	7543009	32.78913043	10/08/2011	3/03/2023	32.17	37.34	0.0012
Encounter Bore	585378	7581929	3.640139747	4/08/2008	19/12/2023	3.56	3.94	0.0001
Kangi Well	583757.79	7537697,363	9.043161411	30/07/2008	6/01/2024	7.36	11.76	0.0008
KMB017	597598	7560985	19.1357252	9/04/2016	21/10/2023	20.39	20.62	0.0001
SCHBAN I	590451.019	7550814 429	1.50548b45	13/02/2015	6/01/2024	1,73	1.78	0.0000
LF-MB001S	602786.588	7559816.729	21.00081346	15/02/2015	21/10/2023	19.54	21.54	0.0006
LF-MB002D	604821.121	7551031.32	31.46130435	15/02/2015	20/10/2023	31.2	33.07	0.0006
LF-MB002S	604823.04	7551025.69	36,61636364	15/02/2015	20/10/2023	35,08	38.41	0.0011
LF-MB004D	614364.214	7552252.913	13.01056818	15/02/2015	22/10/2023	11.98	14.09	0.0007
LF-MB00417	614351.745	7552258.559	12.66855556	15/02/2015	22/10/2023	17.83	13.92	0.0007
LF-MB004S	614356.425	7552253.384	13.01366667	15/02/2015	22/10/2023	11.97	14.07	0.0007
LF-MB005D	601639.39	7564166.092	27.75488372	15/02/2015	21/10/2023	26.25	28.66	0.0008
LF-MB005S	601622.627	7564165,947	27.32848837	15/02/2015	21/10/2023	26.35	28.16	0.0006
LF-PB004	614349.685	7552253.411	13.03875	15/02/2015	20/10/2023	11.98	14.07	0.0007
Lucindas Bore	563643	7574391	26.30529782	19/01/2011	19/05/2020	23.75	27.07	0.0010
Macca Bore	5/4/51./15	7551532.441	5,8213/4825	3/05/2008	20/05/2023	3.55	1.37	0,000,0
Nelsons(Hamerslev)	553966	7530709	12.24342105	30/07/2008	7/12/2022	11.93	12.93	0.0002
New Salt Bore	604111	7567290	8.052857143	5/08/2008	21/10/2023	6.4	9.08	0.0005
Old Millers Bore	298886	7567449	19.8449455	12/09/2008	21/08/2018	17.77	22,22	0.0012
Quarrina Bore	577828	7579767	14.28341463	17/09/2008	19/12/2023	13.74	23.57	0.0018
Stellas Bore	546972	7533064	12.12818182 n 425208222	30/0//2008	18/12/2023	/2.rr	12.89	0.0003
TRREDR3	571345	7544857	13.35212121	4/09/2010	7/11/2022	12.17	15.70	0.0008
Wallina Bore	565011	7564812	5.272063205	28/11/2009	7/01/2024	4.13	4.49	0.0001
Warp 16	575633	7553523	4.919560954	1/08/2007	21/12/2023	4.3	6.48	0.0004
Weelumurra Well	572638	7556383	5.938666452	3/08/2008	7/01/2024	5.69	6.42	0.0001
TRP153	586450.86	7554254.16	31.27906586	24/07/2020	11/11/2023	17.02	54.70	0.0313
TREES	506559.812	7554240 238	30.4 [237 57	10/00/2014	15/12/2023	20.3 18.88	55.03 46.13	0.0083
Trinity Old Rio Bore	586150.956	7554752.216	13.80376358	4/09/2010	18/05/2023	7.71	36.35	0.0062
SWB-008	583170,818	7551023.061	69.37551834	18/06/2012	26/11/2022	50.73	92.20	0.0109
SPB1003	589223	7550795	47,94593772	4/09/2010	1/12/2023	17.5	43.74	0.0054
SOMOOT	576409.45	7553387.55	8.424695693	2/06/2008	2/11/2023	29.6	16.87	0.0020

SMB1033 59838.5.29 754674.235 29.38310823 1706/2012 SMB1030 598302.067 754040.173 7.294447874 14/03/2012 SMB1021 58614.137 754040.173 7.294447874 14/03/2012 SMB1020 58614.137 7550497 2.3.23073327 17/06/2012 SMB1007 584401 755220.325 23.23073327 17/06/2012 KMB018 584401 7552301.6 37.3973889 4/09/2010 KMB012 589022.0.3 7553361.16 5.55492063 17/11/2011 KMB011 589023.4 7553361.6 5.55492063 17/11/2011 KMB011 589023.0 7553361.6 5.55402063 17/10/2011 KMB011 589023.0 7553361.6 5.55402063 17/10/2011 MORD Bone 59340.96 7543588.76 15.5405818 1/10/2012 Hoggys Bone 59340.96 7543588.41 56.4101388 4/09/2010 Hoggys Bone 5641013609 1/109/2007 16540 1609/2010 Hoggys Bone	SMB10003a	581691	7550901	59.81917055	5/10/2010	5/11/2020	52.33	77.19	0.0067
\$85302.287 7546401.173 7.294447674 1 \$86120.406 7554089.421 34,14388966 2 \$86401 75550.325 23.307327 1 \$86405 75550.467 23.4677971 23.477971 \$84295 7553861.16 37.3973389 37.3973389 \$89026.03 7553361.16 5.53492063 1 \$89027.065 7553361.87 12.4096031 1 \$89027.065 7547646.25 15.4096091 1 \$84488.48 7543598.41 7543593.8 56.27313131 \$6003.41 7543593.8 7545604.4 7543333131	SMB1033	593835.529	7546714.235	29.39310823	17/06/2012	12/11/2023	19.39	41.95	0.0054
586141,977 7547089,421 34,14368966 2 58910,406 755220,335 23,23073327 1 584285 755097 23,3973689 2 589028,03 7553361,16 5,553492063 7 589021,24 7553361,16 5,553492063 7 589021,24 7553367,16 19,58983415 7 589021,05 7553367,22 15,5408613 7 583489,58 7547646,25 25,06018609 7 58448,58 754358,4 754358,8 56,101338 56,101338 580534,1 75455044 75455044 75455044 75455044	SMB1030	595302.267	7546401.173	7.294447874	14/03/2012	12/11/2023	4.09	21.62	0.0041
\$89120.406 755220.325 23.23073327 \$88401 75560487 23.6778711 \$84.295 7552005 37.3873389 \$89026.03 7553061.16 5.553482063 \$89022.24 7553361.16 5.53482063 \$89027.846 7553367.22 19.4086811 \$89027.065 7553362.22 15.408681 \$89340.99 7547546.22 25.0601869 \$8448.58 7545584 7545564 \$6059 75455644 75455644	MB1021	586141.977	7547089,421	34.14368966	27/05/2012	7/08/2023	25.57	40.90	0.0037
\$86401 7550497 23.6779711 \$44285 7552005 37.3973869 \$89026.03 7553861.16 5.53492063 \$89022.24 7553367.16 5.53492063 \$89023.24 75533867.76 12.4096091 \$89027.065 7553362.22 15.54058183 \$84489.56 7547646.25 25.06018609 \$6449.41 7543593.8 7543593.8 56.2731313 \$60053 7555054 7555054	MB1020	589120.406	7552220.325	23.23073327	17/06/2012	16/12/2023	11.01	36.70	0.0061
\$64295 7552005 37.39733689 \$49026.03 755341.16 5.53492063 \$89023.24 7553367.45 19.95883415 \$58023.46 7553367.25 12.40960911 \$58042.06 7553362.22 15.540819 \$58340.99 7547646.25 25.06018609 \$64488.58 7543593.8 7543593.8 \$627313131 56.27313131 \$60638 75456044	MB1007	586401	7550497	23.6779711	4/09/2010	2/12/2023	20.99	55.08	0.0070
589026.03 7553361.16 5.53492063 589023.24 7553357.96 19.59893415 589023.24 7553357.87 12.40960911 589027.065 753362.22 15.4096091 593340.96 7547646.25 25.06018609 584489.56 7543593.4 7543593.4 56.27313131 59075.9 7545674.4 7545674.4 7545674.4	MB1004	584295	7552005	37.39733689	4/09/2010	2/11/2023	35.27	87.62	0.0109
589023_24 7553357.95 19,95883415 1 589024_848 7533367.87 12,4096091 1 589027_848 754786.22 15,4096091 1 58448.58 754786.22 25,00018609 56,41013389 58449,11 7545808,41 7545808,4 56,27313131 5901508 7545808,4 7545808,4 7545808,4	MB01S	589026.03	7553361.16	5.553492063	17/11/2011	3/10/2022	2.21	6.50	0.0011
589024,848 7553369,767 12,40960911 1 589027,085 7553362,22 15,54058183 1 583340,99 7347846,25 25,06018609 1 584489,58 7543598,41 56,4013389 56,2731313 580538 7555054 7555054 1554	MB0112	588023.24	7553357.95	19.95983415	19/11/2011	16/12/2023	2.23	30.59	0.0064
589027.065 7553362.22 15.54058183 1 59340.99 7547646.25 25.06018669 25.06018669 584489.89 7543598.41 56.47013389 56.27313131 560538 7555064 7555064 1554	MB0411	589024.848	7553359.767	12.40960911	17/06/2012	31/10/2022	2.77	24.65	0.0058
59340.99 7547646.25 25.06018609 584489.56 7543598.41 56.41013389 58449.41 7543593.8 56.27313131 560528 560574 4555674	MB01D	589027.065	7553362.22	15.54058183	17/06/2012	16/12/2023	2.92	30.56	9900.0
58448.58 75455841 56.4101338 58449.1 7545583.8 56.2731313 590528 7555054 1554	ppa Bore	593340.99	7547646.25	25.06018609	1/09/2007	4/05/2019	18.38	40.41	0.0052
584494.1 7543593.8 56.27313131 5901528 7555054 1554	oggys MB1	584489.58	7543598.41	56.41013369	4/09/2010	4/12/2023	55.77	52.80	-0.0006
500528 7555054 1.554 1.554	oggys Bore	584494.1	7543593.8	56.27313131	4/09/2010	4/12/2023	55.47	52.46	-0.0006
10000	112S	590528	7555054	1.554	16/12/2011	27/01/2024	1.77	1.53	-0.0001



16 Mile Bore	
A6-HS0800	
AS HOUSE	
AS-HB0348	
A3 81804)0	
AS PRIGREE	
AS PRISKES	
AS HESTES	
AS HIDED	
10 400425	
Cidengs Gum Bork	
Currie Viva	
Outenbare	
Corpered Bore	
CFH0100F	
CPHOSO	

Sample Date Sample Point Name			CALIFORNIA PARTY	Water Level mbrp Deviation fro	THE REAL PROPERTY.	-0.248666452
3-Aug-08 Weelumurra Well	572638 -22		8E+05	57	0.01	-0.238/66452 -0.23
14-Sep-08 Weekmurta Well	572638 -22				01	0.140666452 -0.36
19-Oct-08 Weekmurra Well	572638 -22			579		
15-Nov-08 Weelumurra Well	572638 -22	1177	8E+00	5 84	0.15	0.090666452 -0
19-Dec-08 Weelumurra Well	572538 -22	1 117.7	8E+06	5.84	0.15	0.09866452 -0.58
12-Jan 09 Weekumurra Well	572638 -22		8E+06	587	0.18	-0 069666457 -0 60
			8E+06	5.76	0.07	-0 176666452 -0
25-Mar-09-Weelumurra Well				5.79	01	-0 145666452 -0 56
12-Way-09 Weelumuna Well	572638 -22		86+06		0.13	-0.119666452 -1.00
20-Jun-09 Weekmurra Well	572638 -22		#E+06	5.82		
20-Jul-09 Weekmura Wes	572538 -22	117.7	#E+06	5.77	0.08	-0 168666452 -1
23-Aug-09 Weekmurs Well	572636 -22		8E+06	5.64	0.15	0.096966462 +1-36
25-Oct-09 Weelunura Well	572938 -22	1 117.7	8E+06	5.82	0.13	-0.118666452 -1.48
	572638 -22		RE+D6	5.91	0.22	-0.029666452 -1
28-New09 Weelumura Well		111/		5.96	0.27	0.021333548 -1.45
11-Jan-10 Weekmurra Well	572638 -22		EE+06			
17-Feb-10 Weelumata Weil	572636 -22		8E+05	5.97	0.28	0.031333548 -1.4
19-Mar-10 Weetumurra Well	572538 -22	117.7	8E+06	5.96	0.27	0.021333548
20-April 10 Weekmurta West	572538 -22		8E+06	6.41	0.72	0.471333545 -0.96
			8E+05	59	0.21	-0.035666452 -1.00
19-May-10 Weekmura Well				5.84	0.15	-0.096666452 -1
18-Jun-10 Weelumurra Weil	572638 -22		8E+06			0.000000452
26 Jun 10 Weekumurra Well	572638 -22	1. 117.7	#E+06	5.64	0.15	-0.099666452 -1.20
22-Jul-10 Weelumurta Well	572636 -72	1177	8E+06	5 82	0.13	-0.11866645Z -1.33
22-Sep-10 Weekmura Well	572638 -72		8E+06	577	0.08	-0.168666452 -1
AL DED TO STEER HAT A PROPERTY OF THE PARTY			9E+06	5 68	0.19	-0.058666452 -1.55
20-Oct-10 Weetunura Well	572638 -22					0.021333548 -1.50
19 Nov-10 Weekmurra Well	572638 -22		8E+00	5.96	6.27	
21-Dec-10 Weetumurra Well	572638 -22		8E+06	5.83	0.14	-0 1089/6452 -1 6.
19-Jan-11 Weeksmurta Well	572638 -22	1 1177	8E+06	571	0.02	-0.228666452 -1 86
18-Mar-11 Weelumurra Well	572638 -22		8E+06	5 56	-0.13	-0.376666452 -2.2
				571	0.02	-0.728665457 -2.4
6-April 1 Weekmura Well				573	0.04	-0.208656452 -2.6
16-April 1 Weelumura Wei	572638 -22		8E+05			
21 May-11 Weetumuna Well	572530 -22		8E+00	5.72	0.03	-0.216666452 -2.90
15 Am 11 Wedneurra Well	572538 +22	1 217.7	8E+09	5.7	0.01	-0.238666452 -3.13
19-Jul-11 Weelumura Wet	572638 -22	1177	6E+06	5.76	0.07	-0 178666452 -3 3
			85.06	58	0.11	-0.138666452 -3.45
21-Aug-11 Weekmurra Well	572636 -22			5.84	0.15	-0.000666452 -3.55
10-Jan 12 Weelumura Well	572638 422		0E+09			
15-Mar-12 Weelumurta Well	572538 -22	1 117.7	8E+06	5.69	0	0.24(166452 -3.6
5-up 12 Weetumura Weil	57263822	1 117.7	8E+05	579	01	0.14566452 -3.9
12-am 12 Weetumura Well	572638 -22		#E+09	57	0.01	-0.236666452 -4.15
				5.82	0.13	-0.118666452 -4.3
7-Sep-12 Westurrura Well	572538 -22		8E+05		0.11	-013866452 -44
19 Sep-12 Weelurura Well	572638 -22		8E+06	58		
26-Oct-12 Weetumuma Weil	572636 -22	117.7	8E+05	5.84	0.15	-0.098666452 -4.5
7-Nov-12 Weelunuta Well	672638 -22	1 117.7	0E+09	5.84	0.15	-0.000166452 -4 6
25 Nov-12 Weekerurta Well	572536 -22	1 1177	8E+05	5.92	0.23	-0 010/66452 -4 G
	572638 -22		#E+06	5.65	016	-0.088966452 -4.7
21-Mar-13 Weekmurn Weil		1111.5	EL 102		-0.09	-0 308666457 -5 O
12 May 13 Weekimurta Well	572938 -22	1 1177	8E+05	5-63		
22-Jun-13 Weekerurta Wes	577638 -22	1 117.7	8E+05	5.57	-0.12	-0.368666452 -5.4
27-Jun-13 Weelumura Well	572638 -22	1 117.7	#E+05	5 56	-0.13	-0.078666452 -5.8
7-Jul-13 Weelumura Weil	572638 -72		EE+05	557	- 012	-0.35m/66452 -6.1
	572638 -22		8E+09	5.5775	-0.1125	-0.361166452 -6.5
8-Jul-13 Weeluniurra Well		1 110 0	05.00	5 5825	0 1075	0 256166452 -6 6
5-Jul-13 Westurnara Well	572638 -22		BE+OS			
10-Jul-13 Weekmuns Weil	572638 -22	1 117.7		558	-011	-0.358966452 -7.2
11-Jul-13 Weelunura Well	572638 -22	1 117.7	#E+06	5 585	-0.105	0.353666452 -7.6
12-Jul-13 Weelumuris Well	572638 -22		BE+00	559	0.1	0.348006452 +7.9
	577638 -22		8E+05	56	-0.09	-0 338666452 -6 2
13-Jul-13 Weelunurs Well				56	-0.09	-0.338666452 -8.6
14-Jul-13 Weelumura Well	572638 -22				-0.085	0 333666452 -8 9
15-Jul-13 Weeluntura Well	572638 -22			5 605		
15-Jul-13 Weelumurra Well	572938 -22	1 117.7	8E+05	6 6025	-0.0075	0.336166452 -9.3
17-Jul-13 Weelumurra Well	572638 -22		8E+06	5 625	-0.055	0.313666452 -9.6
16-Jul-13 Weekmaria Well	572639 -72		8E+06	5 605	-0.085	-0.333666452 -9.9
				5 6025	-0.0875	-0.336166452 -10
19-Jul-13 Weetumurra Well	572638 -22				-3075	-0 323666452 -10
20-Jul-13 Weelumurra Well	577636 -22	1 117.7	85+66	5.615		# 25240040E -10
21-Jul-13 Weekmuma Wes	577638 -22		8E+06	5 6025	-0.0875	-0.336166452 -10
22-Jul 13 Weelumurra Well	972638 -22		3E+06	5 6225	0.0675	-0.316166452 -11
		1 1177		5.02	-0.07	0.318666452 -11
23-Jul-13 Weekmurta Well	572638 -22	11111		5.6175	-0.0725	-0.321166452 -11
25-Jul 13 Weelumurra Well	572638 -22	1 1177	8E-05			
25-Jul-13 Weelumurra Well	572638 -22 572638 -22	1 117.7	8E+06	5.6125	-0.0775	0.326166457 -12
26-Jul-13 Weelumura Well	572638 -22	1 117.7		5.6225	0.0575	-0.316166452 -12
	572638 -22		8E-06	3.63	-0.06	-0.300666452 -12
27-34-13 Weekmura Well			8E+00	5.62	-0.07	0.316666452 -13
28-Jul-13 Weetunium Wei	573638 -22				-0075	-0.323666452 -13
29-Jul-13 Westumuria Well	572638 -22			562	-0.07	-0.318666452 -13
30-32-13 Weekmurra Well	572638 -22		9E - D3			

"JAB-4"

WAD 37 of 2022

Federal Court of Australia

District Registry: Western Australia

Division: General

YINDJIBARNDI NGURRA ABORIGINAL CORPORATION RNTBC

Applicant

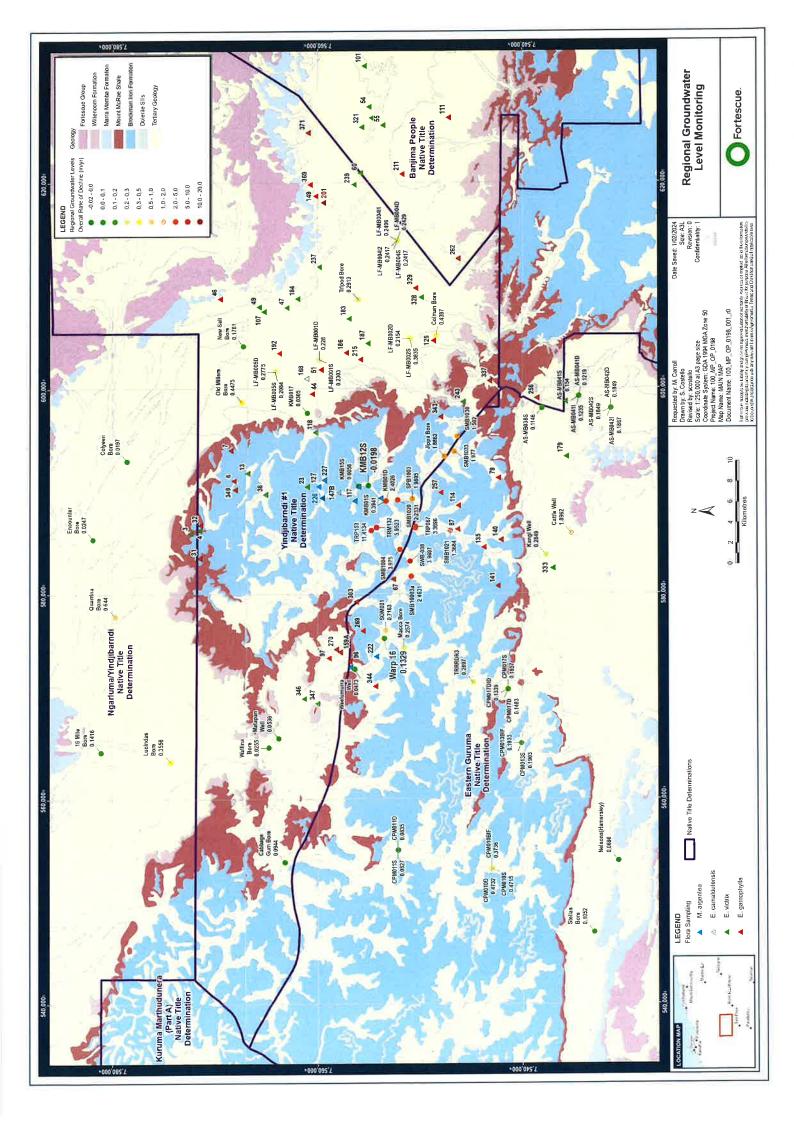
STATE OF WESTERN AUSTRALIA & ORS

Respondents

This is the annexure marked **JAB-4** referred to in the affidavit of Jordin Alexander Barclay sworn on 22 February 2024.

Signature of witness

WALL WELLER



"JAB-5"

WAD 37 of 2022

Federal Court of Australia

District Registry: Western Australia

Division: General

YINDJIBARNDI NGURRA ABORIGINAL CORPORATION RNTBC

Applicant

STATE OF WESTERN AUSTRALIA & ORS

Respondents

This is the annexure marked **JAB-5** referred to in the affidavit of Jordin Alexander Barclay sworn on 22 February 2024.

Signature of witness

WALL WELMER

Annual Abstraction Volumes - Check

Year	Seasta	Ucence	Veturne
	2022 Soloton Triemset Groundwater Monitoring Review - 2022 (SO-RP-WM-0010)	Potable Water Supply - OWL177110	388,963,000
	2021 Solomon Triennial Groundwater Monitoring Review - 2022 (SD-RP-WM-0010)	Potable Water Supply - GWL177110	371,547.000
	2020 Sciemen Triennial Groundwater Maniboring Review - 2022 (SO-SF-WM-0010)	Potable Water Supply - GWL177110	380,278,000
	2023 Sciomon Triennial Groundwater Monthoring Review - 2022 (50-89-WM-0010)	Dewatering Supply (including Queens) - GWL179130 and GWL17913	14,949,125,000
	2021 Solomon Triennial Groundwater Maniforing Review - 2022 (SO-RP-WM-0010)	Dewatering Supply (including Queens) - OWL179139 and GWL178913	15,844,343.000
	2020 Sciomon Triennial Groundwater Monitoring Review - 2022 (SO-RP-WM-0010)	Dewatering Supply (including Queens) - GWL175139 and GWL176953	15,995,812.000
	2022 Soloman Trienmat Groundwater Montoning Review - 2022 (SO-RF-WM-0010)	Southern Fortescue Supply - OWL177874 and GWL177976	2,822,127.000
	2021 Solamon Trienmial Groundwater Municolog Review - 2022 (SO-RA-WH-0010)	Southern Furtescue Supply - GWL177974 and GWL177976	1,400,968.000
	2020 Solumon Triannial Organowater Montoring Review - 2022 (SO-RF-WH-0010)	Southern Fortescue Supply - GWL17797A and GWL177976	2,659,943.000
	2019 Solamon Triennial Agulfer Review - to 31 December 2019 (50-87-417-0006, Rov1)	Potable Water Supply - GWL177110	543,128.000
	2018 Solomon Triennial Aguiter Review - to 21 December 2019 (SO-RP-HY-0009, Rev1)	Potable Water Supply ~ GWL177119	409,690,500
	2017 Solomon Triennial Applier Review - to 31 December 2019 (SO-RP-HY-0005, Rev1)	Potable Water Supply - OW.177110	170,979,000
	2019 Solumon Triennial Aquifer Review - to 31 December 2019 (50-RP-HY-0006, Rev1)	Stockyard Supply - GWL174095	55,271.000
	2019 Sotomon Triennial Agulfar Review - to 31 December 2019 (SO-RP-HY-0006, Rev1)	Dewatering Supply GWL175139	1,631,098.000
	2018 Solomon Trienmial Apulter Review - Is 31 December 2019 (SO-RP-HT-0006, Rev1)	Dewatering Supply GWL175138	1,008,764.000
	2017 Sciomon Triannial Aquillar Review - to 31 December 2019 (SO RP-HY-0006 Rev1)	Dewatering Supply GWL175139	121,017,000
	2019 Solamon Triannial Aguiter Review - to 31 December 2019 (SO-RP-HY-0006 (Rev1)	Queens GWL178913	9,852,484.000
	2018 Soloman Triannial Apulter Review - to 31 December 2019 (SO-RP-HY-0006 Rev1)	Queets GW.176913	9,773,761.000
	2017 Soloman Triennial Apulter Review - to 31 December 2019 (SO-RP-HY-0006 Rev1)	Queens OW.176913	4,886,120,000
	2019 Solomon Trienniat Aquiter Review - 19 31 December 2019 (50-RP-HY-0006, Rev1)	Southern Fortescue Supply - OWL177874 and OWL177976	7,203,797.000
	2018 Solamon Triennial Aquifer Review - 1s 31 December 2018 (50-RP-HY-0006, Rev1)	Southern Fortescue Supply - GW.177974 and GW.177976	3,127,868.000
	2017 Sciomon Trienmial Aquiter Review - to 31 December 2018 (SO-RP-NY-0008 /Rev1)	Southern Fortescue Supply - GWL177874 and GWL177976	3,459,405.000
- Julius	Seizenan Triennial Aquiter Review - 1 August 2014 to 31 July 2017 (50-RP-HY-0004)	Dewatering Supply GWL175138	11,977,465,000
2016/2017	Science Triennial Aguiter Review - 1 August 2014 to 31 July 2017 (SO-RP-IN'-0004)	Downtering Supply GWL175139	12,273,691 000
2015/2016	Sciamon Triermiui Aguiter Review - 1 August 2014 to 31 July 2017 (SO-RP-HY-0004)	Deviations Supply GWI.175139	8,370,400.000
2014/2015	Solomon Triennial Aguiter Review - 1 August 2014 to 31 July 2017 (50 RP-HY-0004)	Southern Fortescue Supply - GWL177974 and GWL177976	2,163,623,000
2016/2017	Sciomon Triennial Aguiter Review - 1 August 2014 to 31 July 2017 (SD-RP-HY-0004)	Southern Fortescue Supply - GWL177074 and GWL177976	921.337.000
2015/2016	Science Trennial Aquifer Review - 1 August 2014 to 31 July 2017 (SO-RP-417-0004)	Southern Fortescue Sciopty - GW.177974 and GW.177976	2,362,773,000
2014/2015	Science Transial Aguiter Review - 1 August 2014 to 31 July 2017 (50-919-417-0004)	Outent GW170013	741,363,000
2014/2015	Spigmon Triennial Aguiter Review - 1 August 2014 to 31 July 2017 (SD NP-NY-0004)	Stockyard Supply - OWL174095	20,256,000
2015/2016	Splamon Trennial Aputer Review - 1 August 2014 to 31 July 2017 (SO-RP-4Y-0004)	Stockward Supply - CWL174095	212,179,000
2014/2015		Partable Water Supply - GWL177110	532,053.000
2016/2017	Sciomon Triennial Aquiter Review - 1 August 2014 to 31 July 2017 (50-RP-3Y-0004)	Potable Water Supply - OWL177110	464,453,000
2015/2016	Solomon Triennial Aquifer Review - 1 August 2014 to 31 July 2017 (SO RP 401-0004)	Potable Water Supply - CWL177110	448,478,000
2014/2015	Sciomen Triannial Aquiter Review - 1 August 2014 to 31 July 2017 (SO-RP-RY-0004)	Construction Supply - GWL173699 and GWL177720	1,560,598,000
2013/2014	Sciomon Triennial Aquifer Review - 1 August 2011 to 31 July 2014 (SD-RP-HY-0003)	Construction Supply - GWL 173699 and GWL 177720	1,654,167,000
2012/2013	Solomon Triannial Aquiter Review - 1 August 2011 to 31 July 2014 (50-R9-14Y-0003)		1,190,829,000
2011/2012	Sulamon Triannial Aquifer Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0003)	Construction Supply - GWL173699 and GWL177720	2,089,188.000
2013/2014	Solomon Triennist Aguiter Neww-1 August 2011 to 31 July 2014 (SO-R9-HY-0003)	Dewatering Supply GWL175129 Airstrip Supply - GWL173720	10,420,000
2013/2014	Solumon Triannial Aquifer Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0003)		25,433,000
2013/2013	Setemen Triennial Aquifer Review - 1 August 2011 to 31 July 2014 (SO-RP-NY-0003)	Airstrip Supply - GWL173720	296,293,000
2011/2012	Setzmen Triannial Aquifer Review - 1 August 2011 to 31 July 2014 (SC-RP-HY-0003)	Airstrip Supply - GWL173720 Southern Forescue Supply - GWL177974 and GWL177976	3.088,787.000
2013/2014	Solomon Triennial Aquifer Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0023)		809,944,000
2013/2014	Sciomon Triennial Aquiter Review - 1 August 2011 to 31 July 2014 (SG-RP-HY-0005)	Queens GWL578913	62,209,000
2012/2013	Solomon Triennial Aquifer Review - 1 August 2011 to 31 July 2014 (50-49-49'-0003)	Queens GW.176913	82,209.000 313,217,000
2013/2014	Sciemen Trienmini Aquifer Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0003)	Stockyard Supply - GWL174095	440.542.000
2012/2013	Solomon Triennist Aquiter Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0003)	Stockyard Supply - GWC174095	The second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a second section in the second section in the second section is a section in the second section in the section is a section in the section in the section in the section is a section in the section in the section in the section in the section is a section in the sec
2011/2012	Selemen Triennial Aquiter Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0003)	Stockyard Supply - GWL174095	635,316.000
2013/2014	Solomen Triennial Aquiter Review - 1 August 2011 to 31 July 2014 (SO-RA HY-0503)	Potable Water Supply - GWL177119	445,550.000
2013/2013	Soloman Triennial Aquiter Review - 1 August 2011 to 31 July 2014 (SO-HP-HY-0003)	Potable Water Supply - GWI.177110	355,393.000
2011/2012	Solomon Triennial Aquiter Review - 1 August 2011 to 31 July 2014 (SO-RP-HY-0003)	Fotable Water Supply - GWL177110	185,499.000

Utomes	(Holtipia flame)
Row Labela	Sem of Volume
2017	5,178,116
2018	11,192,215
2019	12,026,710
2020	16,375,090
2021	16,219,010
2022	15,338,088
2011/2012	1,356,328
2012/2013	2,271,769
2013/2014	4,805,296
2014/2015	9,560,141
2015/2016	12,738,144
2016/2017	12,509,518
Grend Total	110,000,405