

Remote Community Waste Discharge Licences Waste Stabilisation Ponds

MONITORING REPORT 2021

Water Services

Remote Water Planning

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Table of Contents

Document History	2
List of Figures	5
Glossary	6
Executive Summary	7
1. Regulatory Requirements	8
1.1. Monitoring Report Requirements	9
2. Background and Objective	10
2.1. Assessment Protocols and Limitations	11
3. Trigger Value Exceedances	12
4. Monitoring Results and Discussion	13
4.1. Discharge Volumes	13
4.2. Discharge Load Calculations	14
4.3. Physio-Chemical Parameters	14
4.3.1. pH and TSS	16
4.4. Biological Parameters	20
4.4.1. Chl-a and BOD	20
4.5. Nutrient Parameters	24
4.5.1. Free Ammonia	24
4.5.2. Oxidised Nitrogen and Total Nitrogen	26
4.5.3. Filterable Reactive Phosphorous and Total Phosphorous	29
4.6. Pathogen Indicators	32
4.6.1. <i>E. coli</i> and Enterococci	32
4.7. Surface Water	35
5. Environmental Impacts Summary	37
6. Conclusion and Proposed Actions	38
Appendix A – List of Remote Community WDLs	39
Appendix B – Tabulation of Monitoring Results – Treated Effluent	40
Appendix C – Tabulation of Monitoring Results – Surface Water	71
Appendix D - Tabulation of Comparative Guideline Values	73
Appendix E - Key Indicators associated with the environmental impacts of WSPs	75
Attachment A – Remote Community WDL Summary Data	77
References	78

List of Tables

Table 1 Monitoring Report Requirements	9
Table 2: Annual Average Rainfall Data (BOM, 2021).....	11
Table 3 Monitoring Results - Acacia Larrakia - WDL225-1	40
Table 4 Monitoring Results Assessment - Barunga - WDL214-1	41
Table 5 Monitoring Results Assessment - Belyuen - WDL215-1.....	42
Table 6 Monitoring Results - Beswick - WDL228-1.....	43
Table 7 Monitoring Results (Physical/Chemical) - Galiwinku - WDL202-3	44
Table 8 Monitoring Results (Bacteriological) - Galiwinku - WDL202-3	45
Table 9 Monitoring Results - Gapuwiyak - WDL230-1	46
Table 10 Monitoring Results - Gunbalanya - WDL216-1	47
Table 11 Monitoring Results - Kalkarindji - WDL231-1	48
Table 12 Monitoring Results (Physical/Chemical) - Maningrida - WDL203-3	49
Table 13 Monitoring Results (Bacteriological) - Maningrida - WDL203-3	50
Table 14 Monitoring Results - Manthathpe - WDL201-3	51
Table 15 Monitoring Results - Milikapiti - WDL217-1.....	52
Table 16 Monitoring Results (Physical/Chemical) - Milingimbi - WDL208-3.....	53
Table 17 Monitoring Results (Bacteriological) - Milingimbi - WDL208-3.....	54
Table 18 Monitoring Results - Minjilang - WDL233-1	55
Table 19 Monitoring Results - Nauiyu - WDL207-3	56
Table 20 Monitoring Results - Nganmarriyanga - WDL219-1	57
Table 21 Monitoring Results (Physical/Chemical) - Ngukurr - WDL234-1	58
Table 22 Monitoring Results (Bacteriological) - Ngukurr - WDL234-1	59
Table 23 Monitoring Results - Numbulwar - WDL218-1.....	60
Table 24 Monitoring Results - Peppimenarti - WDL220-1	61
Table 25 Monitoring Results (Physical/Chemical) - Pirlangimpi - WDL221-1	62
Table 26 Monitoring Results (Bacteriological) - Pirlangimpi - WDL221-1	63
Table 27 Monitoring Results (Physical/Chemical) - Ramingining - WDL206-3	64
Table 28 Monitoring Results (Bacteriological) - Ramingining - WDL206-3	65
Table 29 Monitoring Results - Wadeye - WDL205-3.....	66
Table 30 Monitoring Results - Warruwi - WDL222-1	67
Table 31 Monitoring Results (Physical/Chemical) - Wurrumiyanga - WDL223-1	68
Table 32 Monitoring Results (Bacteriological) - Wurrumiyanga - WDL223-1	69
Table 33 Monitoring Results - Yirrkala - WDL204-3	70
Table 34 Monitoring Results – Woods Inlet - WDL215-1	71
Table 35 Assessment end-points for key indicators associated with the discharge from remote community WSPs.....	75
Table 36 Community assessment of where key indicators are high or low in concentration.....	76

List of Figures

Figure 1 Estimated mean annual discharge volumes at remote sites in 2019-20	13
Figure 2 Long-term pH trends at remote sites.....	16
Figure 3 Long-term Total Suspended Solids trends at remote sites	18
Figure 4 Long-term Chlorophyll-a trends at remote sites.....	20
Figure 5 Long-term Biochemical Oxygen Demand trends at remote sites.....	22
Figure 6 Long-term Ammonia trends at remote sites	24
Figure 7 Long-term Oxidised Nitrogen trends at remote communities	26
Figure 8 Long-term Total Nitrogen trends at remote sites.....	27
Figure 9 Long-term trends of Filterable Reactive Phosphorus at remote sites	29
Figure 10 Long-term Total Phosphorus trends at remote site	30
Figure 11 Long-term <i>E. coli</i> trends at remote sites	32
Figure 12 Long-term Enterococci trends at remote sites	33
Figure 13 Essential Services Operator maintaining effluent warning signage at Warruwi DP (PWC, 2020).....	37
Figure 14 Environmental Guidelines for Classification of Effluent Strength (DEC 2003)	73
Figure 15 Darwin Harbour Water Quality Objectives Table (NRETAS 2010)	74

Glossary

Abbreviation	Definition
ANZECC	Australian and New Zealand Environment and Conservation Council
BOD	Biochemical oxygen demand
cfu	Colony forming units (expressed per unit of a specified volume of sample)
Chl-a	Chlorophyll-a, a photosynthetic pigment present in plants, algae and cyanobacteria that is used in oxygenic photosynthesis. It can be used as a measure of algal biomass and subsequently primary production
DEPWS	Department of Environment, Parks and Water Security
DHWQO(s)	Darwin Harbour water quality objective(s)
DO	Dissolved oxygen
EC	Electrical conductivity
<i>E. coli</i>	<i>Escherichia coli</i>
EP	Equivalent population
FRP	Filterable reactive phosphorous (orthophosphate)
ERA	Environmental risk assessment
kL	Kilolitres
LOR	Limit of reporting for chemical analysis
µg	Micrograms
mg	Milligrams
ML	Megalitres
N	Nitrogen
NH₃-N	Total ammonia as N (NH ₃ and NH ₄ ⁺ as N) as per ANZECC and ARMCANZ (2000)
NO_x-N	Oxidised nitrogen as N – the sum of nitrate and nitrite
NT	Northern Territory
NT EPA	Northern Territory Environment Protection Authority
NTU	National turbidity units
PWC	Power and Water Corporation
RL(s)	Reporting Limit(s)
RM	Rolling Median – of all years of available data; utilised in absence of adequate datasets.
TN	Total nitrogen
TP	Total phosphorous
TSS	Total suspended solids
WDL(s)	Waste discharge licence(s)
WSP(s)	Waste stabilisation pond(s)

Executive Summary

Power and Water Corporation have developed this Monitoring Report to satisfy the requirements under its remote Indigenous community Waste Discharge Licence conditions. A long-term trend analysis and comparative assessment of treated effluent monitoring results at all licensed remote communities has been provided where possible, to improve understanding of the potential environmental impacts occurring from the licensed activity. The report found that the monitoring conducted meets the needs specified within the licence conditions.

A review of calculated mean daily discharge volumes at all sites identified that Milingimbi and Maningrida potentially have the largest discharge volumes. All other remote community WSPs have relatively low discharge volumes in comparison to urban facilities such as Berrimah WSPs.

The assessment of water quality parameters across all remote sites found TSS, BOD, nutrients, and pathogens to be key indicators associated with environmental impacts from the operation of the remote WSPs. The key indicators are within the optimal ranges for WSPs, with elevations occurring considered to be the result of climatic fluctuations, particularly in 2019. Concentrations of Ammonia, *E. coli* and Enterococci in remote communities are the parameters that deviated most from the comparative values utilised (Berrimah - WSP), however there are a significant number of factors may influence varied treatment rates between the different systems, including pond configuration and design. Preliminary monitoring results at Woods Inlet surface water site suggest mixing and dilution/flushing are occurring within the zone of influence, with both increases and decreases identified in particular indicators.

Power and Water have previously conducted environmental risk assessments at all licensed sites. As more data is collected, the datasets will be utilised to inform level of risk in the future. Environmental risks are to be reviewed as more accurate information becomes available.

The discharge has a range of inputs/stressors that were identified as potentially deleterious to either the 'environment' or 'cultural' beneficial use that are typical for this source. Overall, the ecological health of the waterways where discharge occurs are considered largely intact with visual observations suggesting no indication of impacts to the receiving waters/environment.

Notably, the sites where 'High' risk rankings were identified within the ERA's were for cultural values within the area. 'High' risk rankings were determined for cultural use of areas at the discharge point for recreation and consumption of aquatic foods (pathogens). It is possible that these values may not be protected within the mixing zone. Further analysis of data will provide more confidence in the risks.

PWC have implemented additional monitoring at a number of sites, as well as progressively conducting desludging and installation of flow instrumentation at identified priority sites to ensure continued improvement.

1. Regulatory Requirements

Power and Water Corporation (PWC) operate 57 Waste Stabilisation Ponds (WSPs) across the Northern Territory (NT). Under the *Water Act 1992* (NT) it is an offence to cause, either directly or indirectly waste to come into contact with water; or water to be polluted, causing environmental harm unless authorised to do so. Waste Discharge Licences (WDLs) are a regulatory instrument granted under the provisions of Section 74 of the *Water Act 1992* (NT). These licences allow PWC to operate WSPs that have continuous discharge of secondary treated sewage effluent to a receiving waterway. PWC currently have 24 remote Indigenous communities that have WDLs issued.

The submission of this report fulfils PWC's requirement to provide a Monitoring Report under Condition 29 of the WDLs. A list of all current NT remote Indigenous community WDLs this report refers to is included within Appendix A. A single report is to be submitted annually for all of the remote WDLs.

Condition 30 of the WDLs specifies that the Monitoring Report:

- 30.1 Is prepared in accordance with the requirements of the Adminstrating Agency 'Guideline for Reporting on Environmental Monitoring'
- 30.2 Includes a tabulation of all monitoring data required as a condition of this Licence;
- 30.3 Includes long term trend analysis of monitoring data to demonstrate any environmental impact associated with the activity over a minimum period of three years (where the data is available);
- 30.4 Includes an assessment of environmental impact from the activity.

Furthermore, Condition 34 of the Belyuen WDL215-1 specifies that the Monitoring Report: Includes a review of the surface water monitoring results against the *Water Quality Objectives for the Darwin Harbour Region* to inform the development of site-specific trigger values for this site.

The main purpose of this report is to present the initial findings from treated effluent monitoring conducted at remote communities, which will be utilised to inform environmental risk assessments in the future.

1.1. Monitoring Report Requirements

Table 1 Monitoring Report Requirements

Condition No.	Provision
29.1	This Monitoring Report has been prepared in accordance with the NT EPA 'Guideline for Reporting on environmental Monitoring' (Version 1.0) where practicable and applicable. Some information has been omitted where data may not exist.
29.2	A tabulated summary of all monitoring data for remote community WDLs is completed and provided as Appendices B, C and D. Also Attachment A – Remote Community WDL Summary Data.
29.3	Trend analysis and interpretation of the results is provided in Section 4 - Monitoring Results. Monitoring data included in this report covers a period of 5 years of data where available.
29.4	An assessment of environmental impacts from the activity is included in Section 5. Further specific information is available in individual Environmental Risk Assessments for each community.
34	Review of surface water results is included in Section 4.7 - Surface Water

2. Background and Objective

The routine wastewater monitoring program for remote communities commenced initially in 2015 at selected sites and is currently completed at 24 remote facilities in line with WDL requirements.

The WSPs offer a low input, cost effective form of wastewater treatment that is particularly applicable in higher temperature environments with sufficient available land area. Being low maintenance and driven by solar energy, WSPs are a suitable option for remote Indigenous communities spread across the NT.

WDLs have been issued by Department of Environment, Parks and Water Security (DEPWS) at remote Indigenous communities based on sites that potentially discharge to a waterway utilising a risk ranked approach across all 24 communities:

- Round 1 licences – 8 highest risk sites due to higher discharge volumes (based on Equivalent Population (EP), continuous discharge and type of receiving environment).
- Round 2 licences – 10 medium risk sites, lower discharge volumes, continuous or intermittent discharge.
- Round 3 licences – 6 lower risk sites, lower discharge volumes, intermittent or seasonal discharge (some irrigation sites).
- All remaining remote community WSPs operate without a WDL in place as the majority of these do not discharge to waterways – irrigation to land or evaporation occurs. Fifteen communities rely on on-site wastewater treatment systems managed privately or as part of the public housing portfolio.

The frequency of wastewater monitoring at remote sites has been conducted based on licence issue dates and monitoring requirements. Details of the wastewater monitoring conducted at these communities is documented under PWC's internal Wastewater and Reclaimed Water Quality Monitoring Plan 2021-22. Monitoring of the Woods Inlet receiving environment at Belyuen is undertaken by an external contractor on neap ebb tides to capture near-to worst-case scenarios (i.e. low tidal range, minimal dilution and flushing).

The main objectives of the remote wastewater monitoring program are to:

- Ensure compliance with regulatory requirements;
- Minimise environmental and public health risks associated with sewage; and
- Understand operational performance to inform asset maintenance and improvements.

The datasets utilised for this report vary depending on the community and typically covers the period from January 2017 to June 2021. Frequency of wastewater monitoring at the discharge points vary between communities depending on specified licence conditions at the time and any investigative monitoring conducted. Monitoring at remote sites has progressively increased over time from 6-monthly to quarterly at most communities during the 2019-20 period, with monitoring increased to monthly at selected sites to increase datasets.

All samples were taken from the correct sampling locations and frequency required at the specified time. The location of the discharge points for each community are specified in the individual WDLs. Samples were collected and preserved in accordance with specified

requirements for each water quality parameter, with analysis conducted at NATA accredited laboratories.

Rainfall recorded within the reporting period varies between regions, records from Darwin, Katherine and Maningrida weather stations have been utilised as a general reference in Table 2 below.

Table 2: Annual Average Rainfall Data (BOM, 2021)

Region	Weather Station Number	Average annual rainfall per year (mm)					Annual Average
		2017	2018	2019	2020	2021	All years
Darwin	14163	2,364	1,654	957	1,795	1,184	1,584
Katherine	14902	N/A	787	659	849	808	643
Milingimbi	14405	1,329	1,323	743	1,391	966	1,058

2.1. Assessment Protocols and Limitations

Monitoring data collected and provided for the purposes of this report are collected at the final pond outlet (discharge point) at each site. These results provide a representation only of the effluent quality that is being discharged to the environment. It is generally understood that effluent quality results are not expected to achieve relevant water quality guideline values for environmental waters without the mixing and dilution that occurs within the receiving environment (zone of influence). Default criteria were not intended to be used as instruments to assess compliance, but rather to provide a tool to make inferences about the level of disturbance occurring (ANZECC, 2000). Therefore treated effluent monitoring conducted within the WSPs is not suitable to be specifically assessed against relevant water quality guidelines.

With no suitable guidelines available, for the purposes of this report default values in Appendix D have been utilised to provide a basis on which to make a valid comparison between communities and effluent values to understand the treated effluent quality and potential environmental risks:

- The Berrimah WDL WSPs 2020 Monitoring Report (data period of 2016-2020) has been utilised throughout the report for comparative purposes due to the facilities characteristics (similar size treatment plant).
- NSW Government Environmental Guidelines – Use of Effluent for Irrigation (2003) have also been utilised to assist with classification of effluent strength for comparative purposes in absence of NT guideline values.
- The Darwin Harbour Water Quality Objectives (DHWQO) where applicable have been utilised for surface water monitoring results in Section 2.1.
- Selected wastewater references which are widely acknowledged by wastewater specialists in Australia (Water Futures 2020).

There are a number of other limitations for data assessment that have been identified with association of the preparation of this report that affect statistical analysis and presentation of the results:

- Limited availability of flow data to determine discharge loads;
- Limited monitoring data availability at some sites, small sample sizes, and inconsistencies of monitoring frequencies between communities resulting in

inconsistent results further reducing confidence in the data statistics (particularly long-term trends (ANZECC, 2000)).

- Transportation logistics may impact on collection of wastewater samples at remote Indigenous communities including bad weather/ access to site, aircraft break down, communications (phone) faults, community unrest, Essential Service Operator (ESO) and the available capacity to conduct sampling (prioritisation of provision of power and water; prioritisation of drinking water samples; human error). Where possible PWC endeavour to conduct samples as per the licence requirements and monitoring schedule, however some samples may be delayed due to the above issues. PWC endeavour to collect the required number of samples per annum.
- Monitoring results within this report have been presented as median values for long-term trends of all indicators as recommended in the ANZECC Guidelines. However due to limited datasets for some communities and or years, the Rolling Median (RM) of all years has been utilised for comparative purposes. This is required due to the inconsistencies associated with monitoring frequencies, some communities or years may only contain 1-2 sample results which does not provide a suitable dataset for analysis.
- Outliers and abnormalities – distortion of results have occurred due to the presence of outliers. These have not been removed for purpose of this report to ensure no bias has occurred. Datasets that are more rigorous are required to ethically remove these results. Elevated results are highlighted in bold within the monitoring results tables are considered outliers and may impact overall interpretation of results.
- Seasonal and geographic variations may be present, further monitoring is required to properly assess long-term seasonal trends. DHWQC criteria are only applicable in the Dry Season (NRETAS 2010) so it is not unexpected that Wet Season exceedances may occur. Seasonal assessments will be provided once more rigorous datasets become available.
- It is difficult to make comparisons between WSPs which have variations in design i.e. pond size, pond numbers, pond depths. Furthermore, the WSP's have differences in inflow concentrations and volumes that will impact upon treatment performance and monitoring results.

3. Trigger Value Exceedances

There are no site-specific trigger values or limit conditions specified for these sites under the current WDLs.

4. Monitoring Results and Discussion

4.1. Discharge Volumes

The relatively low discharge volumes from licensed remote Indigenous community WSPs are consistent with the low equivalent populations (EP) in these sites. Maningrida is the largest Indigenous community with a WDL in place, with an EP of 2,773 and Acacia Larrakia is the smallest Indigenous community with an EP of 87 (DHCD, 2017). In comparison, the urban site of Berrimah has an EP of 1,367 (PWC, 2020). The EP of each community is documented within the individual ERAs.

PWC have implemented a risk-based approach for flow instrumentation to be progressively installed at priority sites based on continuous flow to the environment, as per Action 4 in the Performance Improvement Plans. This is an ongoing program based on funding availability and approvals. The dataset for those communities with meters installed is currently being assessed for quality assurances and verification; further data is required from installed flow instrumentation where applicable to compare values between the communities. For the purpose of this report and in communities where waste discharge flows are not metered an annual water balance is utilised to estimate a mean daily inflow and outflow volume based on forecast sewage Equivalent tenement (ET) flow, estimated total sewer ET, rainfall, evaporation and pond area. The calculation gives an estimated daily average illustrated in Figure 1 below. However, in many cases, discharge to the receiving environment is thought to be sporadic and may only occur in the Wet Season.

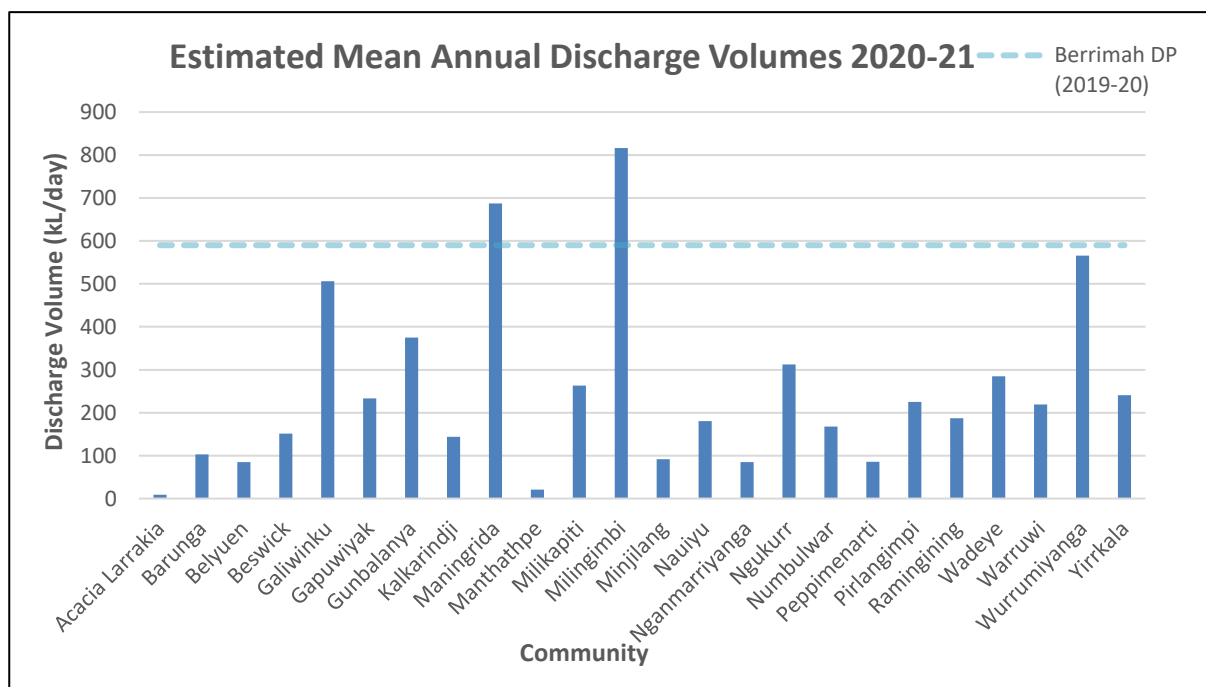


Figure 1 Estimated mean annual discharge volumes at remote sites in 2020-21

Note: *2019-20 is the most recent data available for Berrimah

As a result of utilising estimated volumes, discharge volume trends over time are unable to be presented at this time. Rainfall recorded for the 2018-19 and 2019-20 Wet Seasons were below average in most areas, which has resulted in low water levels observed within some of the WSPs during these Dry Seasons, suggesting a possible decrease in flows for those past 2 years (BOM, 2021). In comparison, the 2020-21 Wet Season brought substantial rainfall above monthly averages; with pond discharge volumes assumed higher than in previous years (BOM, 2021).

Based on the estimations, Milingimbi, Maningrida and Wurrumiyanga are communities that have the highest estimated volume of continuous effluent being discharged to the environment on a daily basis. Whilst Acacia Larrakia, Manthathpe and Nganmarriyanga have the lowest estimated volume of discharge to the environment, discharging on a seasonal basis. These volume calculations of the remote communities may change over time as uncertainties associated with limited flow monitoring availability are addressed.

Due to the small community populations, the remote Indigenous communities have relatively low discharge volumes in comparison to other NT wastewater facilities in major centres. For example, Leanyer Sanderson and Berrimah WSPs discharged 17,000 and 590 kL/day in 2019-20 respectively.

4.2. Discharge Load Calculations

Discharge load calculations for remote Indigenous communities is unavailable or invalidated at this time. Further data collection is required.

4.3. Physio-Chemical Parameters

PWC monitors a suite of physical-chemical parameters at remote WSP outlets routinely. These include pH, electrical conductivity (EC), dissolved oxygen (DO), turbidity and total suspended solids (TSS). Of these, pH and TSS are key water quality parameters that can be utilised for assessment purposes.

EC is an indicator of the concentration of salts within water, these levels can be impacted by source water, for example as indicated in PWC's Annual Drinking Water Report, communities such as Ngukurr have naturally occurring high TDS, Iron and Manganese concentrations in the source water which may elevate EC levels within the WSPs. Results for Turbidity can be highly variable dependent on pond water level, rainfall, and algal volumes within the pond at the time of sampling. EC and Turbidity are therefore not considered suitable key indicators associated with assessment of discharge impact on the receiving environment.

Effluent with low median DO concentrations discharged to the receiving environment may have an adverse effect on aquatic organisms, as it is necessary for photosynthesis (ANZECC, 2000). However, DO (% Sat.) levels are diurnal and are most accurately measured *in-situ* as the concentration levels vary considerably when the sample is cooled or stored. Once the samples are received in Darwin from remote communities these analytes may not be as accurate as field measurements as there are a number of factors that affect DO levels (algal load, bacterial load, temperature during transportation, time between sample collection and analysis in lab) (AWQC, 2020). The WSPs may also be producing more anaerobic conditions with low flows occurring within ponds (Patterson & Curtis, 2005). DO results from remote communities seen in Appendix B contain numerous abnormalities within the datasets further

indicating that these results may not be representative of the actual DO levels at the pond outlets. DO directly correlates with BOD, and therefore BOD is considered a more suitable key indicator for the assessment of treated effluent results; BOD is generally utilised to assess oxygenation in waste stabilisation ponds.

4.3.1. pH and TSS

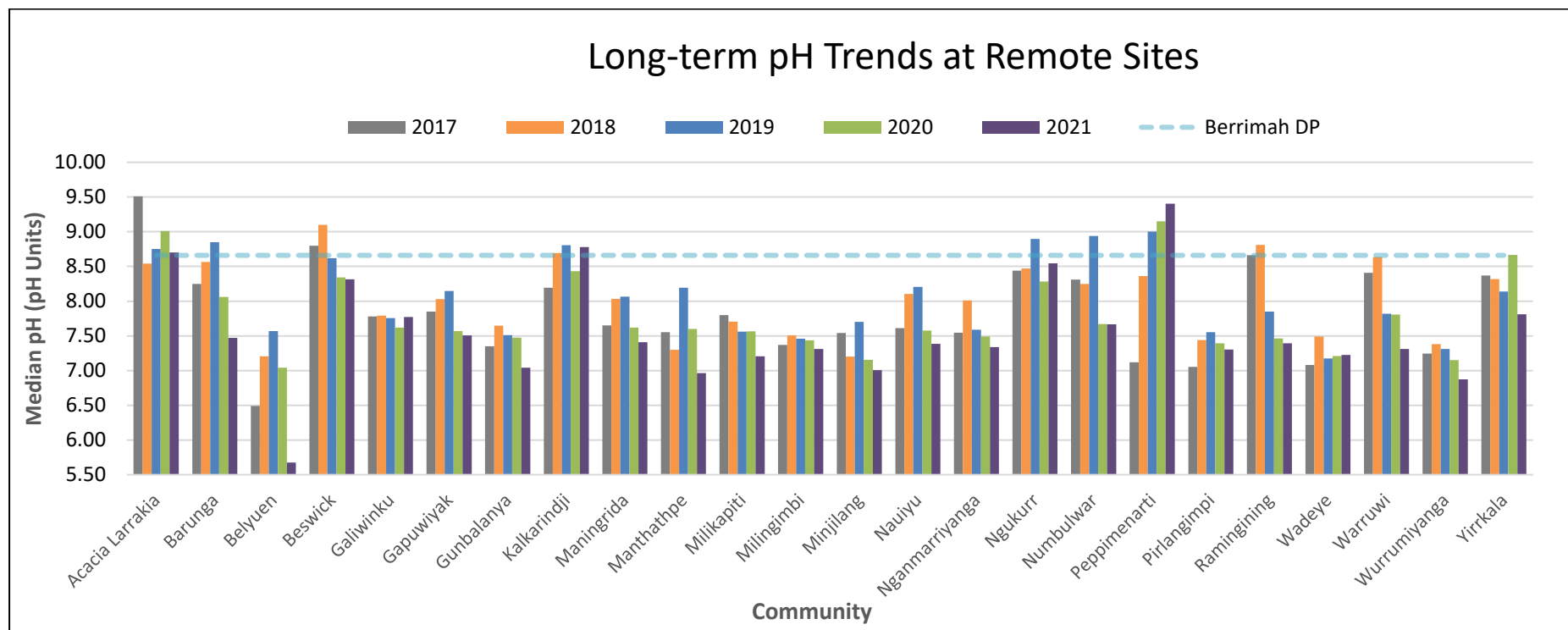


Figure 2 Long-term pH trends at remote sites

Discussion:

- Changes in pH can affect metal solubility and toxicity, and an organism's ability to absorb minerals and nutrients (DENR, 2019) however as WSPs are designed to utilise biological processes, it has not been identified as a key indicator associated with environmental impacts of effluent discharge from WSPs.
- Figure 2 demonstrates that pH values are slightly elevated in Acacia Larrakia, Beswick and Peppimenarti in comparison to other communities. This may be a result of higher source water pH values occurring within the inflow effluent. The pH levels observed at these communities in the PWC Annual Drinking Water Quality Report for 2019-20 are considered neutral (>7.2) however, these values are much higher than the source waters in other communities.
- In general, pH levels are elevated within maturation ponds as seen at Berrimah discharge point (8.7). pH increases throughout the WSP systems, this supports growth of microorganisms, the "killing process" of pathogens, nutrient removal and odour control. Elevated pH levels up to 9.5 within WSPs are seen as beneficial (Patterson and Curtis, 2005).
- Historically pH results recorded at Belyuen are generally lower than those commonly reported in other communities, particularly in 2021 (5.7), however as seen in Table 5 the overall rolling median (RM) is 7.0, suggesting possible seasonal or biological fluctuations.
- pH results are diurnal and are most accurate when collected *in-situ* rather than lab tested, therefore long-term trends are difficult to accurately assess and validate (Patterson and Curtis, 2005).
- Overall results in remote communities sit within the optimal water quality range for pH (ANZECC, 2000).

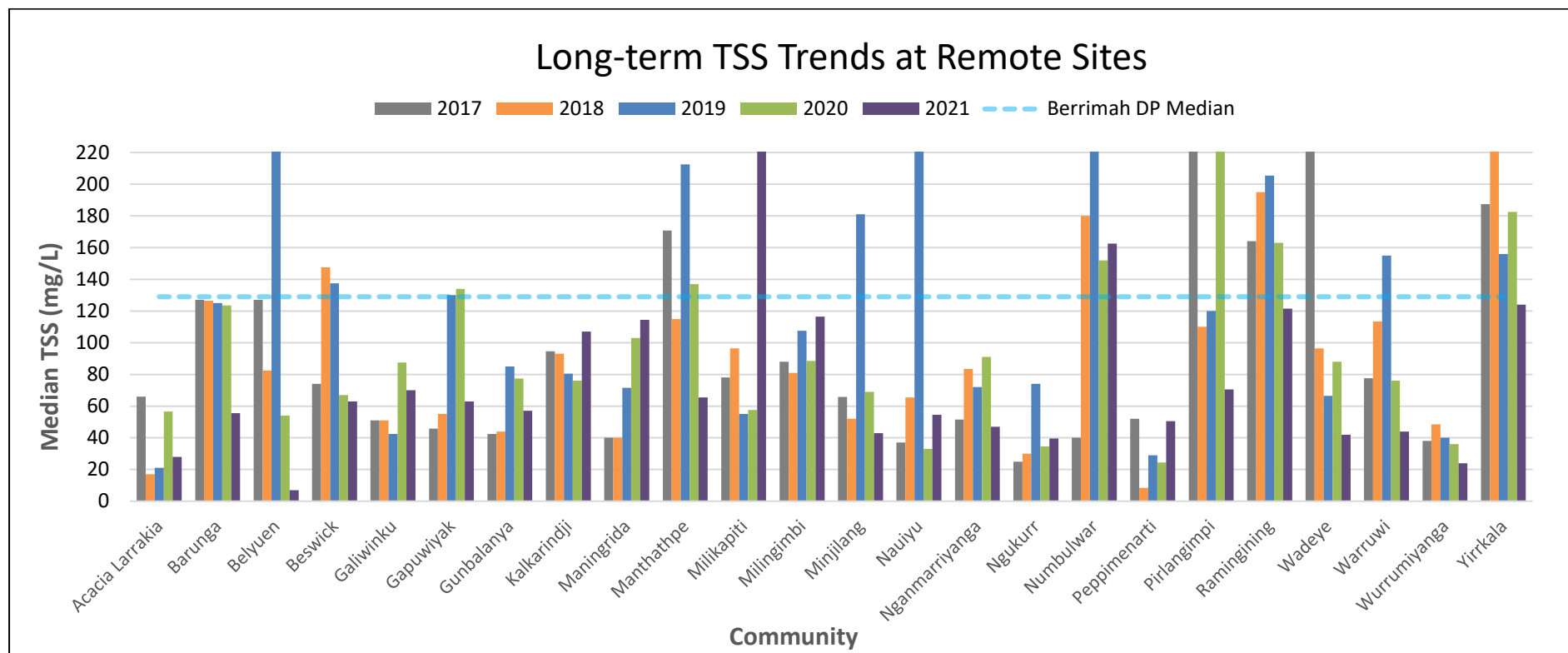


Figure 3 Long-term Total Suspended Solids trends at remote sites

Discussion:

- TSS have the potential to reduce light penetration, which can reduce photosynthesis of aquatic plants/phytoplankton (ANZECC, 2000), TSS are key indicators associated with environmental impacts of effluent discharge from WSPs.
- Figure 3 shows the concentration and reported levels of TSS vary considerably between communities and between years.
- Yirrkala, Ramingining and Numbulwar have consistently higher TSS results over consecutive years in comparison to other communities, whilst Acacia Larrakia, Ngukurr and Peppimenarti have generally lower TSS concentrations over consecutive years.
- In general, the most elevated concentrations occurred during 2019 at a number of communities, particularly within the Dry Season indicating climate variations as seen in the monitoring results tables within Appendix B.
 - Abnormal results were observed at the end of the Dry Season, indicating inconsistencies with RMs at Belyuen (470 mg/L, RM is 63 mg/L), Manthathpe (212.5 mg/L, RM is 115 mg/L) and Minjilang (181 mg/L, RM is 60 mg/L). The average annual rainfall for these areas in 2018 and 2019 was well below average (Table 2), with pond water levels during this period observed to be low. These results and visual observations indicate that increased evaporation rates and low rainfall may have impacted TSS results during this time.
- Furthermore, abnormal results over the 5 year reporting period were observed at Milikapiti (550 mg/L, RM is 72 mg/L), Nauiyu (850 mg/L, RM is 48 mg/L), Numbulwar (400 mg/L, RM is 156 mg/L), Pirlangimpi (1,038; 957 mg/L, RM is 110 mg/L), and Wadeye (1,435 mg/L, RM is 92 mg/L). These abnormalities occurred during the Wet Season, suggesting increased mixing from rainfall and wind within the pond waters during wet weather events affects water quality results.
- Generally TSS concentrations are below the median concentration levels of 129 mg/L observed at Berrimah DP with the exception of the three elevated communities. As illustrated in the data TSS concentrations can often be impacted from weather events and seasonal changes, furthermore organic matter floating within the water column or water surface can also impact concentration levels resulting in sampling errors (Craggs, 2005). Table 34 suggests TSS concentrations may decrease within the receiving environment.

4.4. Biological Parameters

PWC monitors Chlorophyll-a (Chl-a) and Biochemical Oxygen Demand (BOD) parameters at the pond outlets routinely.

4.4.1. Chl-a and BOD

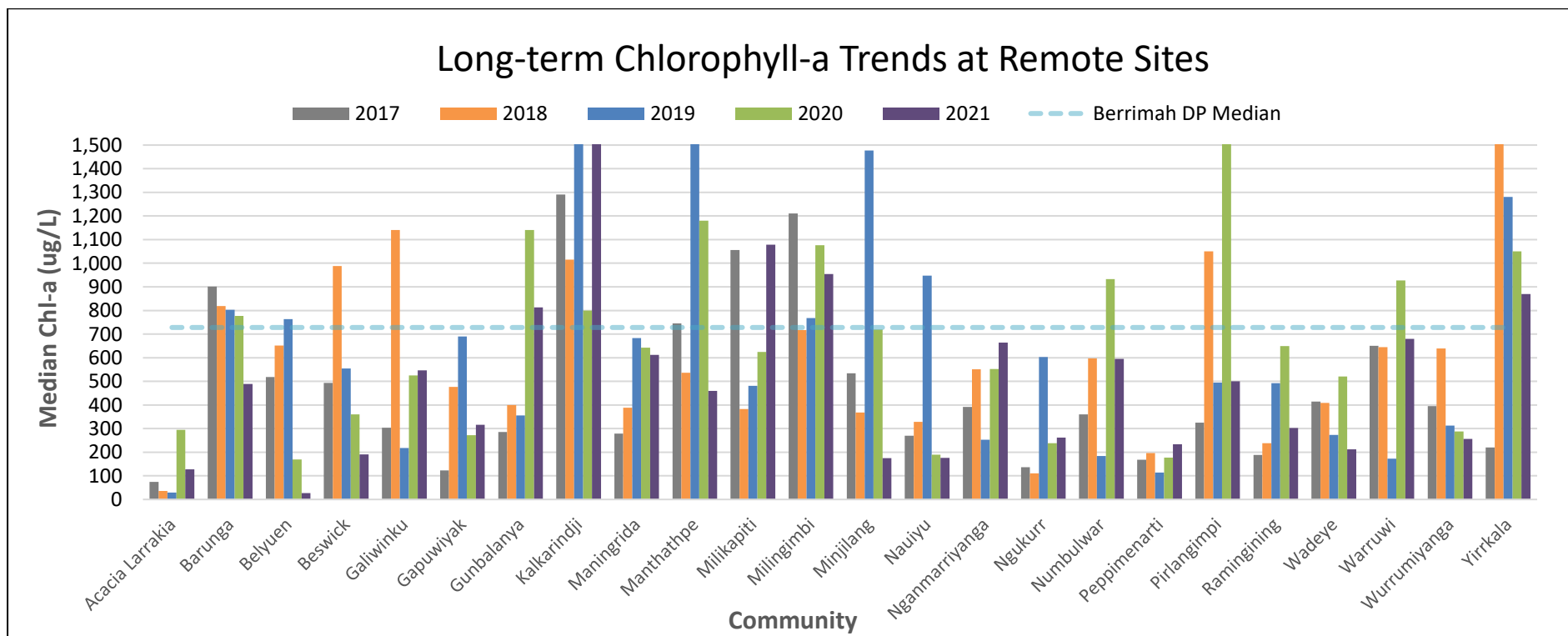


Figure 4 Long-term Chlorophyll-a trends at remote sites

Discussion:

- Chl-a is considered a stressor response indicator in receiving waters (ANZECC, 2000). Aerobic zones of WSPs are reliant on algal populations to produce oxygen to break down organic matter. Hence, the discharge itself is typically very high in freshwater algal biomass (PWC, 2019). Therefore, Chl-a is not considered a suitable key indicator for assessment of environmental impacts of effluent discharge from the remote WSPs.
- Figure 4 reveals higher Chl-concentrations in Kalkarindji, Yirrkala and Milingimbi across consecutive years in comparison to other communities.
- Acacia, Peppimenarti and Ngukurr have relatively low levels of Chl-a over consecutive years.
- Similar to the TSS results, elevated concentrations in Chl-a are generally associated with the 2019 Dry Season samples as seen in Appendix B. The abnormal results recorded in this Dry Season were inconsistent with the RMs at Kalkarindji (1,583 ug/L, RM is 1,110 ug/L), Manthathpe (2,455 ug/L, RM is 653 ug/L) and Minjilang (1,478 ug/L, RM is 627 ug/L). Yirrkala results are also generally associated with Dry Season fluctuations (1,640 ug/L in 2018, RM is 894 ug/L). Chl-a concentrations may be elevated in 2019 due to low pond water levels.
- Elevated concentrations can be seen at Kalkarindji and Milikapiti in 2021; the deviation between the sample results and median is minimal and not considered seasonal – the small dataset (2 samples) collected for this year to date may be influencing median values for the year. Further data will validate these results.
- Increasing trends were observed in Maningrida, Pirlangimpi and Ramingining.
- The discharge concentrations at the majority of communities are relatively consistent with the Berrimah discharge point median (728 ug/L) suggesting Chl-levels will fluctuate depending on time of the year, pond temperature and the biological processes occurring at the time, further seasonal assessment is required.
- Preliminary surface water quality results seen in Table 34 suggest Chl-a concentrations decrease once within the receiving environment through dilution and mixing.

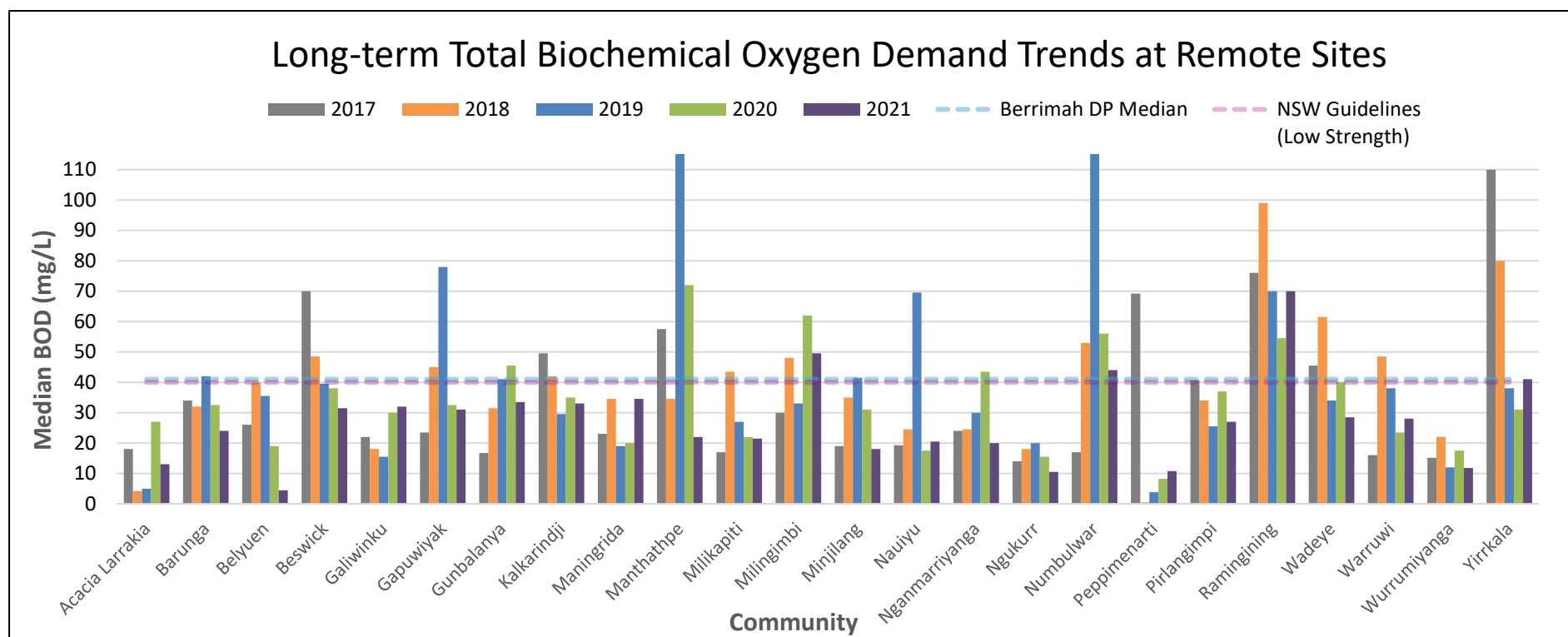


Figure 5 Long-term Biochemical Oxygen Demand trends at remote sites

Discussion:

- BOD is a measure of the quantity of oxygen used by microorganisms and indicates the level of organic matter left to be oxidised within the WSPs (PWC, 2019). BOD is generally utilised as a pond performance indicator (Patterson and Curtis, 2005). Higher BOD levels may result in oxygen depletion within receiving waters, this can lead to fish kills and increased toxicity of other pollutants (PWC, 2019). Elevated BOD may also produce odours resulting in a reduction of amenity in the receiving environment (Patterson and Curtis, 2005). BOD is therefore a key indicator associated with the environmental impacts of effluent discharge from WSPs.
- Figure 5 illustrates Manthathpe, Numbulwar, Ramingining and Yirrkala have higher concentrations of BOD across consecutive years in comparison to other communities.
- Gunbalanya, Mililingimbi and Wurrumiyanga have revealed increasing trends across consecutive years.
- Acacia and Peppimenarti have relatively low levels of BOD over consecutive years.
- As identified with other parameters, it is thought that recent elevated BOD concentrations in the WSPs may be attributed environmental conditions and seasonal fluctuations, mostly in 2019 due to low annual rainfall and low pond water levels. Results are elevated within the Dry Season samples at Manthathpe with a significantly elevated result in 2019 of 130 mg/L (RM is 41 mg/L). Other elevated results in 2019 were observed within the Wet Season at Gapuwiyak (190 mg/L, RM 35 mg/L), Nauiyu (69.5 mg/L, RM 24 mg/L) and Numbulwar (170 mg/L, RM 52 mg/L). BOD levels may also fluctuate depending on volumes of influent received from the community.
- BOD concentrations at all of the remote community WSPs are lower than BOD concentrations at the Berrimah discharge point (41 mg/L), and the majority of sites are classed as having low strength concentrations for BOD with results of <40mg/L under the DEC Guideline value for effluent strength (DEC 2003). With low discharge volumes and low strength classification, this indicates that the impact of BOD on the receiving environment may be lower than that of Berrimah.
- Elevated BOD levels can indicate WSPs require desludging. A number of aspects including sludge volumes, pond inflow loading and pond design can be considered to determine if treatment performance levels are adequate. Further investigations and data collection is required to accurately assess pond performance.

4.5. Nutrient Parameters

PWC monitors Nutrient parameters at the pond outlets routinely.

4.5.1. Free Ammonia

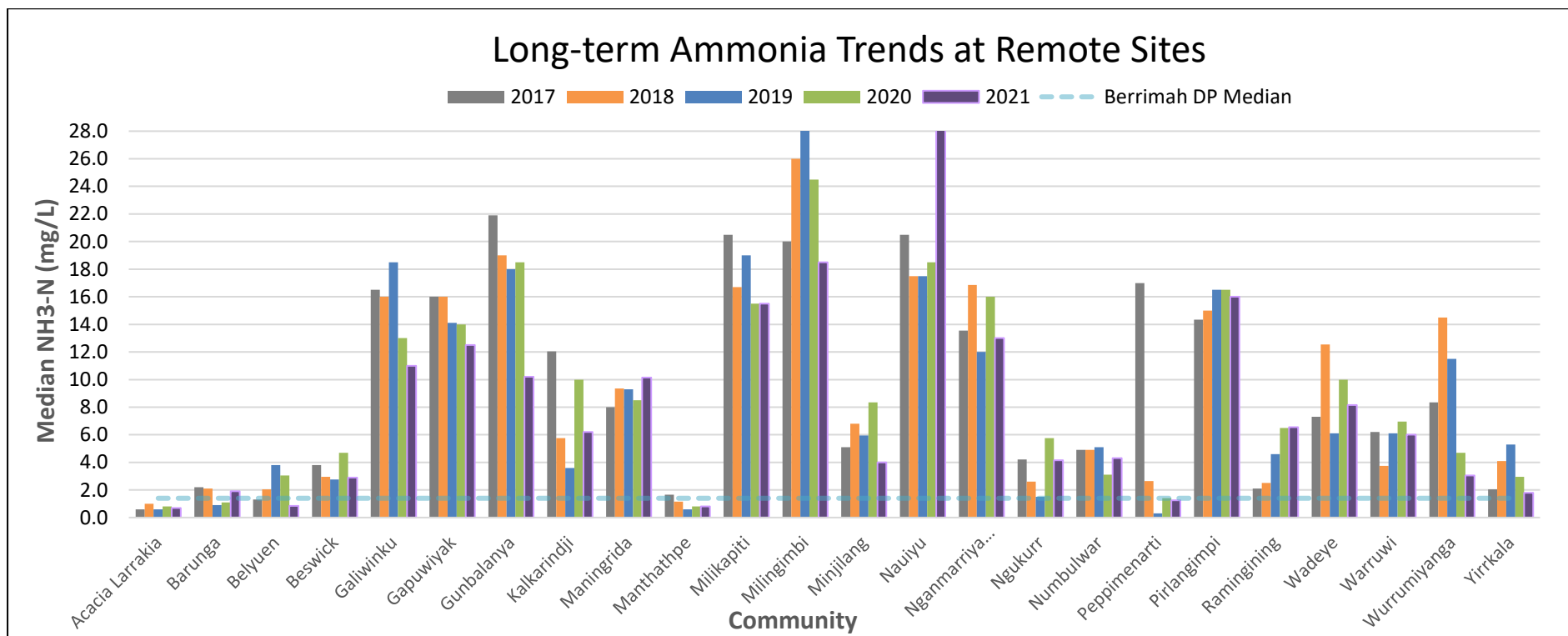


Figure 6 Long-term Ammonia trends at remote sites

Discussion:

- Elevated levels of ammonia are considered toxic to fish and other aquatic organisms in water by inhibiting photosynthesis, causing damage to tissues and increasing susceptibility to disease and mortality (ANZECC, 2000). It is considered a toxicant under the ANZECC Guidelines and has been identified as a suitable key indicator for impacts of effluent discharge from the remote WSPs.
- Figure 6 illustrates ammonia concentrations in a number of communities are elevated over consecutive years with concentrations highest at Milingimbi, Gunbalanya and Nauiyu.
- Acacia, Barunga and Manthathpe have the lowest concentrations of Ammonia in consecutive years.
- Trends show a slight elevation of Ammonia concentrations at Minjilang, Pirlangimpi and Ramininging when in comparison against previous years.
- Significant seasonal fluctuations in Ammonia concentrations haven't been apparent like other water quality parameters; an elevated result of 17 mg/L in Peppimenarti observed in the Dry Season of 2017 is inconsistent with the RM of 2.7 mg/L. Elevated results of multiple parameters have occurred on the same collection date including BOD, TN and TP, suggesting sampling error or an abnormal grab. Additional monitoring since has confirmed this exceedance is an abnormality. Similarly elevated results for Milingimbi of 29 mg/L in 2019 also suggest an abnormality.
- Elevated concentrations of 29 mg/L at Nauiyu may be the result of extreme wet weather (localised flooding causing increased stormwater intrusion into the sewage reticulation network).
- Ammonia levels are considerably higher in comparison to the Berrimah DP median (1.4 mg/L). However, Craggs (2005) states removal of nutrients varies greatly between seasons and between pond systems of similar design. Nutrient concentrations depend on the degree of decomposition of wastewater before it reaches the WSPs, and varies depending on water pH, temperature and mixing rates.
- Preliminary surface water results suggest Ammonia concentrations substantially decrease once within the receiving environment through dilution and mixing (Table 34).

4.5.2. Oxidised Nitrogen and Total Nitrogen

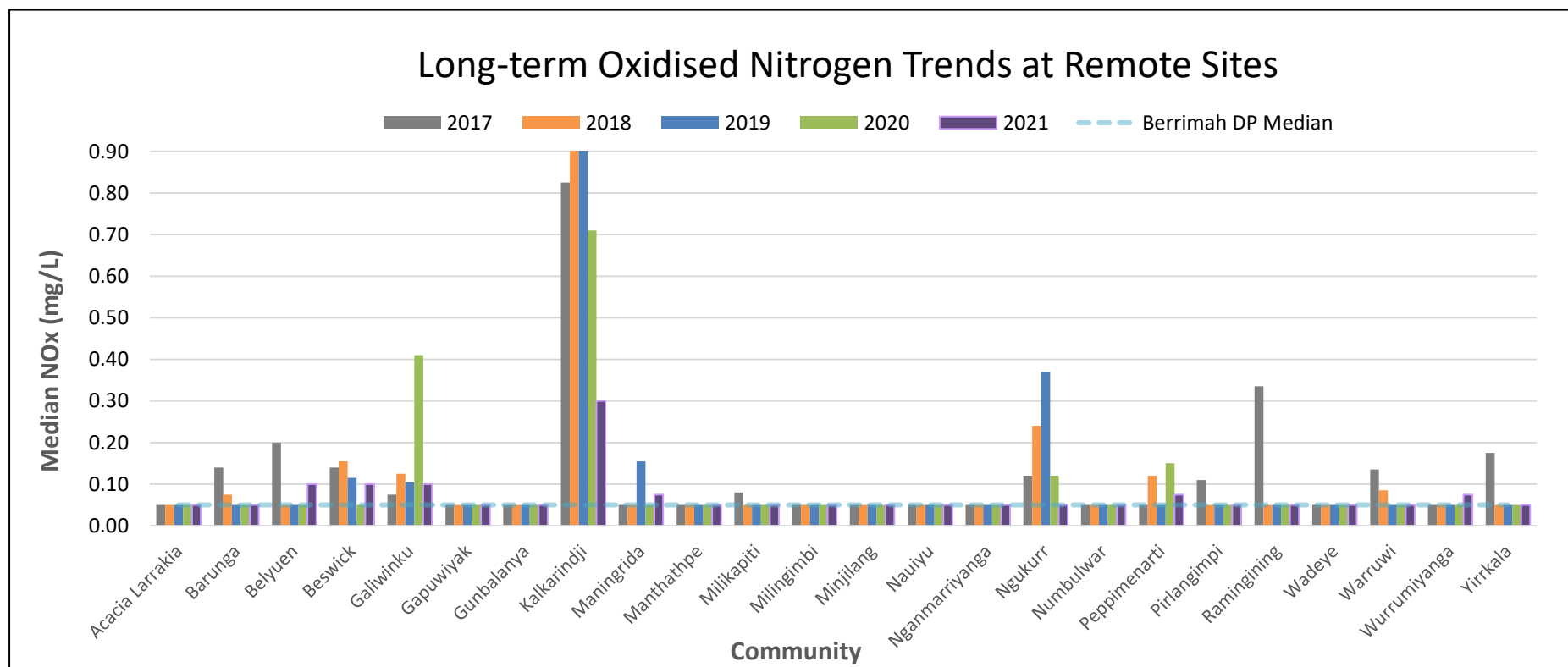


Figure 7 Long-term Oxidised Nitrogen trends at remote communities

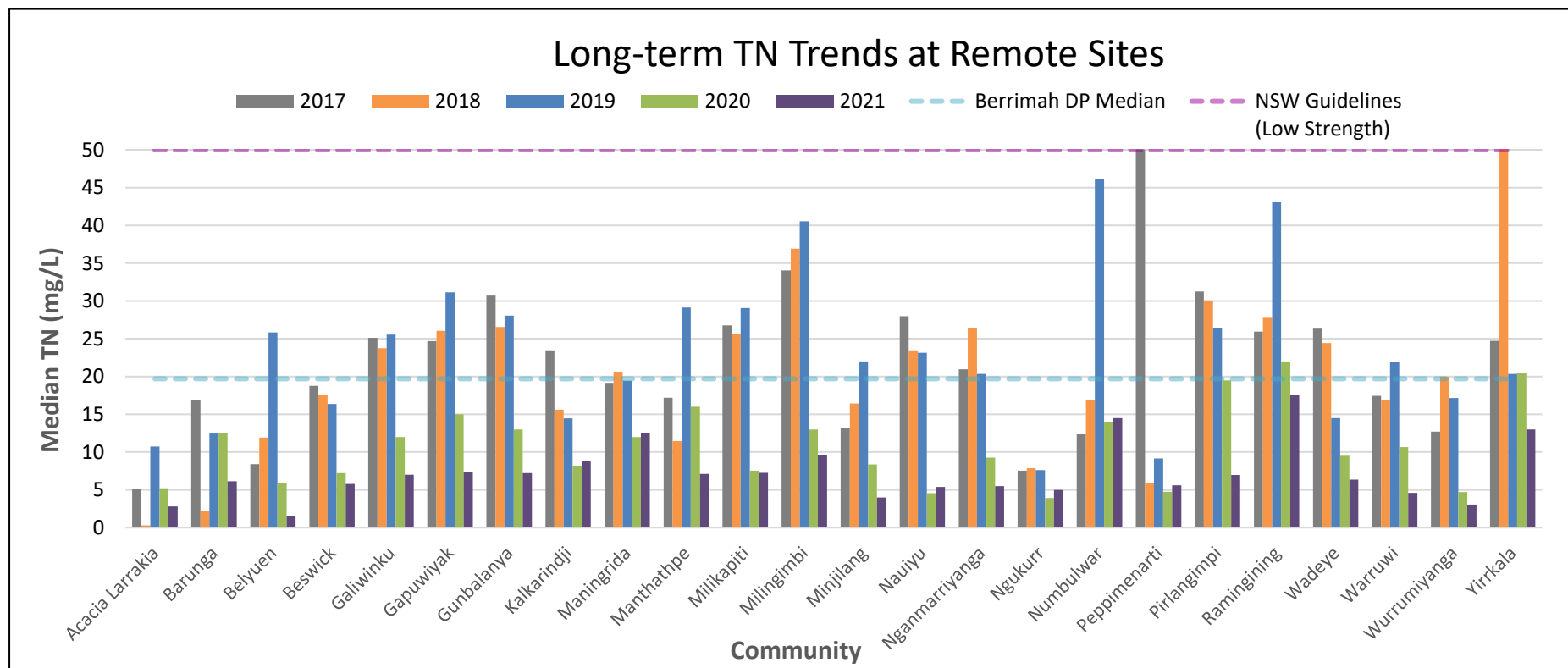


Figure 8 Long-term Total Nitrogen trends at remote sites

Discussion (Oxidised Nitrogen (NO_x) and Total Nitrogen (TN)):

- Elevated nitrogen in receiving waters may cause eutrophication and proliferation of nuisance aquatic plants, resulting in oxygen depletion; displacement of endemic species; diminished light availability; release of toxins; and changes to ecosystem structure (ANZECC, 2000). Elevated nutrients may also result in the reduction of amenity of the receiving environment through reduction in water clarity, objectionable discolouration and odours; with toxic blooms being a risk to public health. Therefore, NO_x and TP are considered suitable key indicators associated with environmental impacts of effluent discharge from the remote WSPs.
- Figure 7 above shows Kalkarindji and Ngukurr have elevated NO_x concentrations across consecutive years in comparison to other communities. Results at these communities are significantly higher than the median concentrations found at the Berrimah discharge point (0.05 mg/L). The results reported at Kalkarindji are unusually high in comparison to other communities with no obvious reasons apparent – the high NO_x results at Kalkarindji may be the result of the denitrification processes within the pond system. Further investigation and monitoring is required to validate these results.
- Figure 8 shows elevated concentrations of TN in a number of communities, with the concentrations highest reported at Milingimbi, Pirlangimpi, and Ramingining in consecutive years. Only a small number of communities have lower concentrations, with Acacia, Peppimenarti and Ngukurr having the lowest values in consecutive years. Peppimenarti had significantly higher reported concentrations during 2017. These abnormally high results recorded in the Dry Season are inconsistent with the RM (50.1 mg/L RM is 7.7 mg/L), as BOD and TP results were elevated this indicates potential sampling error or abnormal grab. Additional monitoring has confirmed these exceedances as sample abnormalities. Similarly Numbulwar and Yirrkala have inconsistent results for multiple parameters on the same day with results of 46.2 mg/L (RM is 16.7 mg/L), 102.8 mg/L (RM is 24.7 mg/L) respectively. Both samples were collected in January suggesting rainfall, increased levels of mixing and increased turbidity may be a factor for these abnormal results.
- Substantially lower concentrations of TN in 2021 suggest TN results have decreased from the above average rainfall that occurred over the 2020-21 Wet Season.
- A majority of the TN results deviate only slightly over time, with some seasonal variations occurring at a few communities (increased periods of rainfall and prolonged dry season conditions).
- Overall, the majority of communities have NO_x and TN concentrations below that of the Berrimah discharge point (0.05 mg/L; 20 mg/L) and there are limited indications of increased nutrient trends. TN for all remote sites are assessed as having low strength concentrations of <50mg/L under the NSW effluent strength classification values (DEC, 2003).
- The majority of remote communities have limited commercial, industrial and agricultural inputs, along with relatively low discharge volumes in comparison to urban sources within Darwin Harbour, therefore nutrient loads from the remote WSPs are considered potentially low (PWC, 2019).

4.5.3. Filterable Reactive Phosphorous and Total Phosphorous

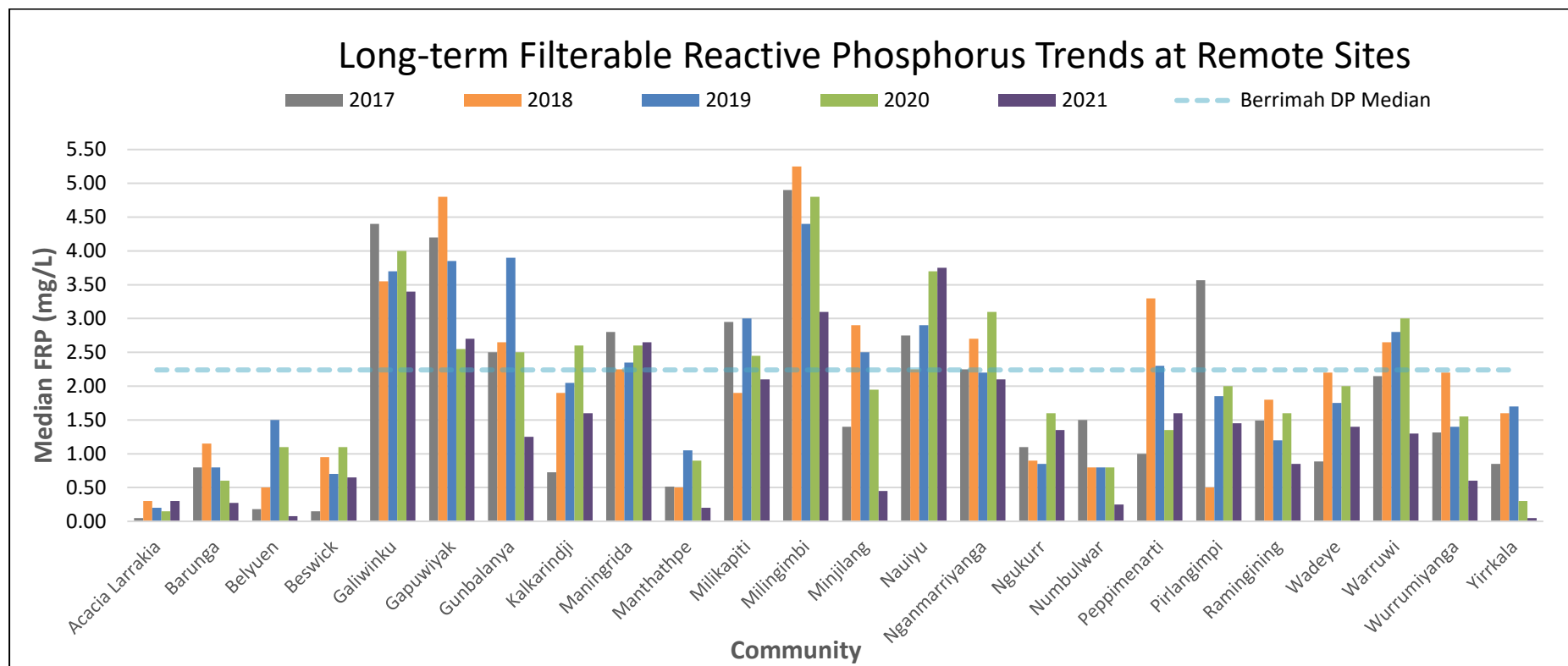


Figure 9 Long-term trends of Filterable Reactive Phosphorus at remote sites

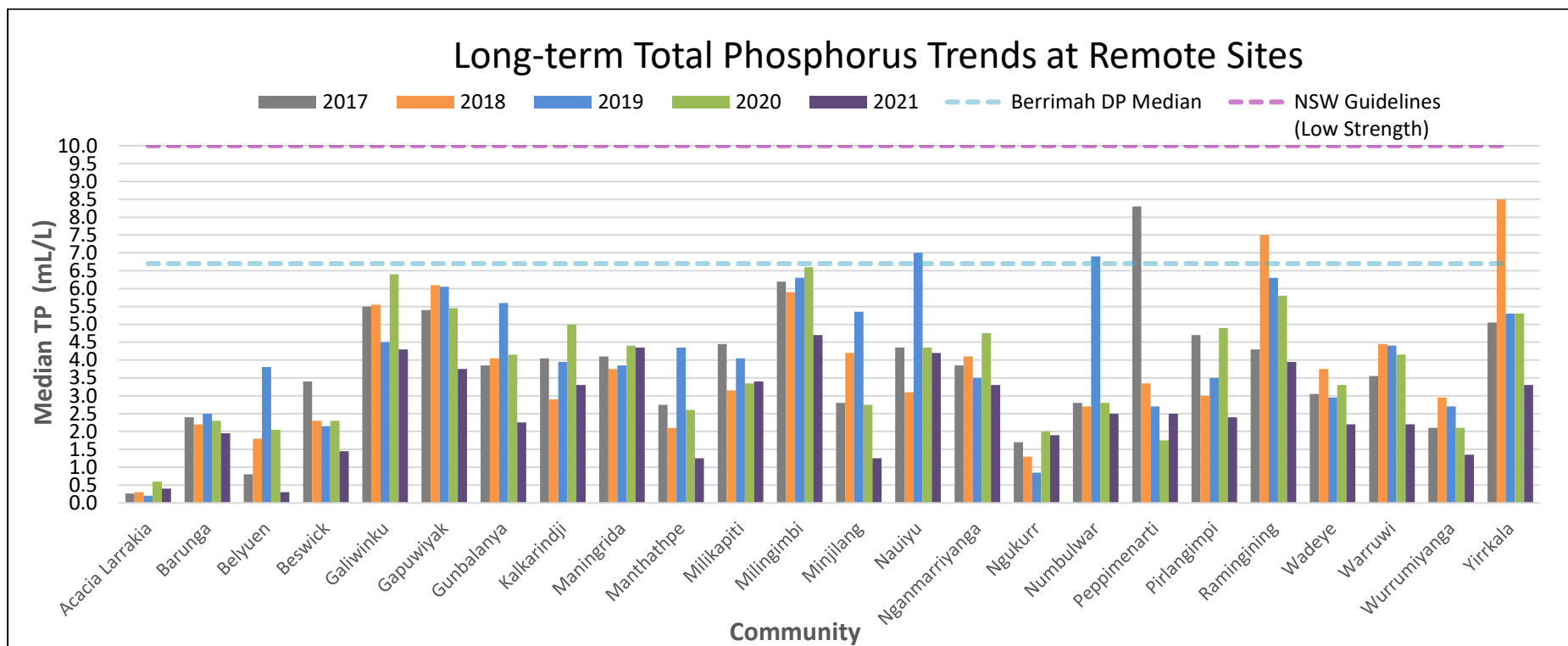


Figure 10 Long-term Total Phosphorus trends at remote site

Discussion (Filterable Reactive Phosphorus (FRP) and Total Phosphorus (TP)):

- Likewise with nitrogen, increased levels of FRP (available) and TP can cause increases in algae levels, resulting in algal blooms which affect the broader environment (DENR, 2019). Therefore, FRP and TP are considered key indicators associated with environmental impacts of effluent discharge from the remote WSPs.
- Figure 9 indicates Milingimbi, Gapuwiyak and Galiwinku have elevated concentrations in FRP. These communities have consistently higher concentrations of FRP across the five years of monitoring in comparison to other communities. While similar to other parameters previously discussed, the communities that have lower FRP concentrations are Acacia Larrakia, Belyuen and Ngukurr having the lowest reported levels of FRP. Belyuen had elevated concentrations of 1.5 mg/L in 2019 inconsistent with other years (RM is 0.30 mg/L), these results are related to 3 samples collected during the Wet Season. Pirlangimpi has inconsistent elevated FRP concentrations in 2017 of 3.57 mg/L (RM is 1.90). As seen with these samples concentrations of multiple parameters such as BOD, TSS and nutrients may occur within the same sample. This suggests that there is a higher content of organic or soil matter, possibly from heavy rainfall, wind intensity (turbid waters) or the sampler has incorrectly grabbed a layer of sludge.
- About over half of the communities have FRP concentrations below that of the Berrimah discharge point (2.24 mg/L).
- The results for TP moderately correspond with the FRP values, with a number of communities having similar concentrations including Milingimbi, Ramingining and Gapuwiyak. There have been no substantial differences within the years for TP, with the exception of possible climatic variations or abnormal sample grabs as previously mentioned. These communities include Yirrkala (8.50 mg/L, RM is 5.1 mg/L), Peppimenarti (8.30 mg/L, RM is 3.75 mg/L), Nauiyu (6.70 mg/L, RM is 4.20 mg/L) and Numbulwar (6.70 mg/L, RM is 2.75 mg/L).
- All remote communities have TP concentrations levels below Berrimah discharge point (6.70 mg/L).
- TP for all remote sites are classed as having low strength concentrations of <10 mg/L under the NSW effluent strength classification values (DEC, 2003) with the majority of remote communities having limited commercial, industrial and agricultural inputs, further suggesting TP outputs are low. It is considered that WSPs are generally efficient at reducing phosphorus levels with phosphorus being removed through solid particles sinking to the pond floor (sludge accumulation) (Craggs, 2003).

4.6. Pathogen Indicators

PWC monitors Pathogen parameters at the pond outlets routinely.

4.6.1. *E. coli* and Enterococci

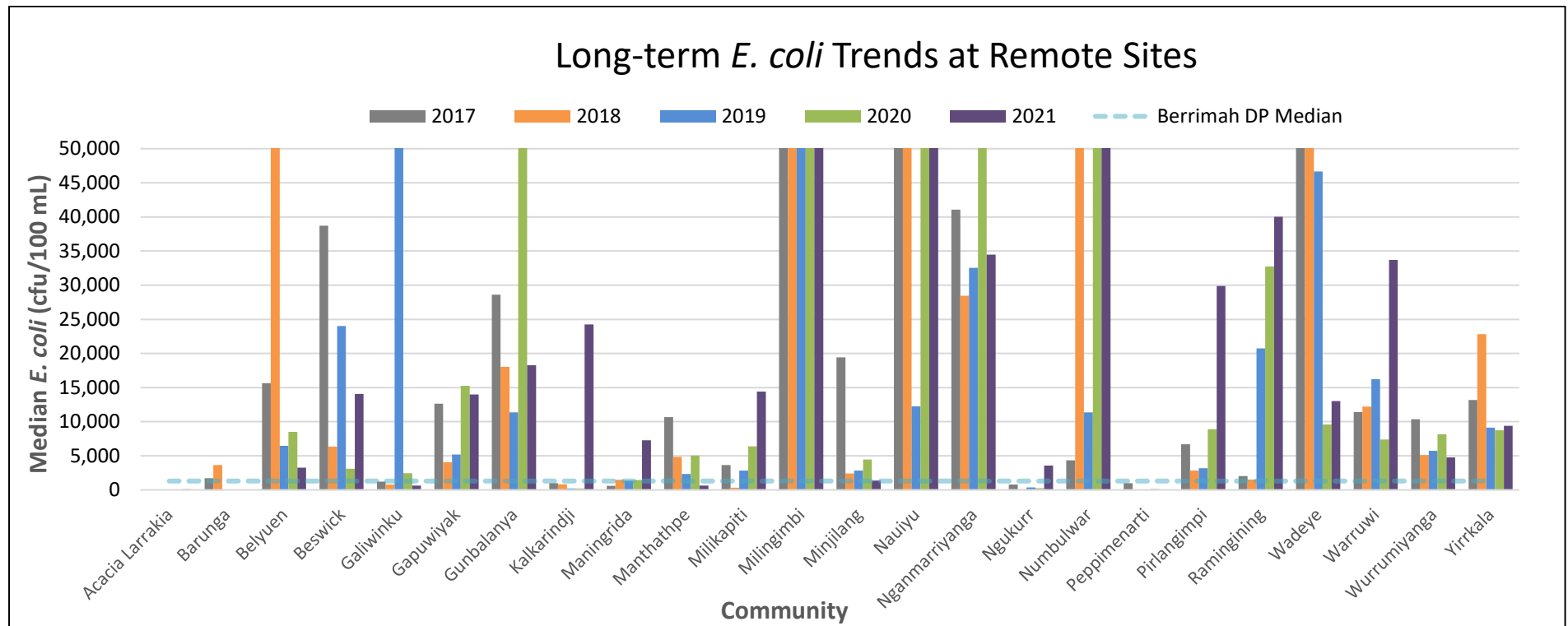


Figure 11 Long-term *E. coli* trends at remote sites

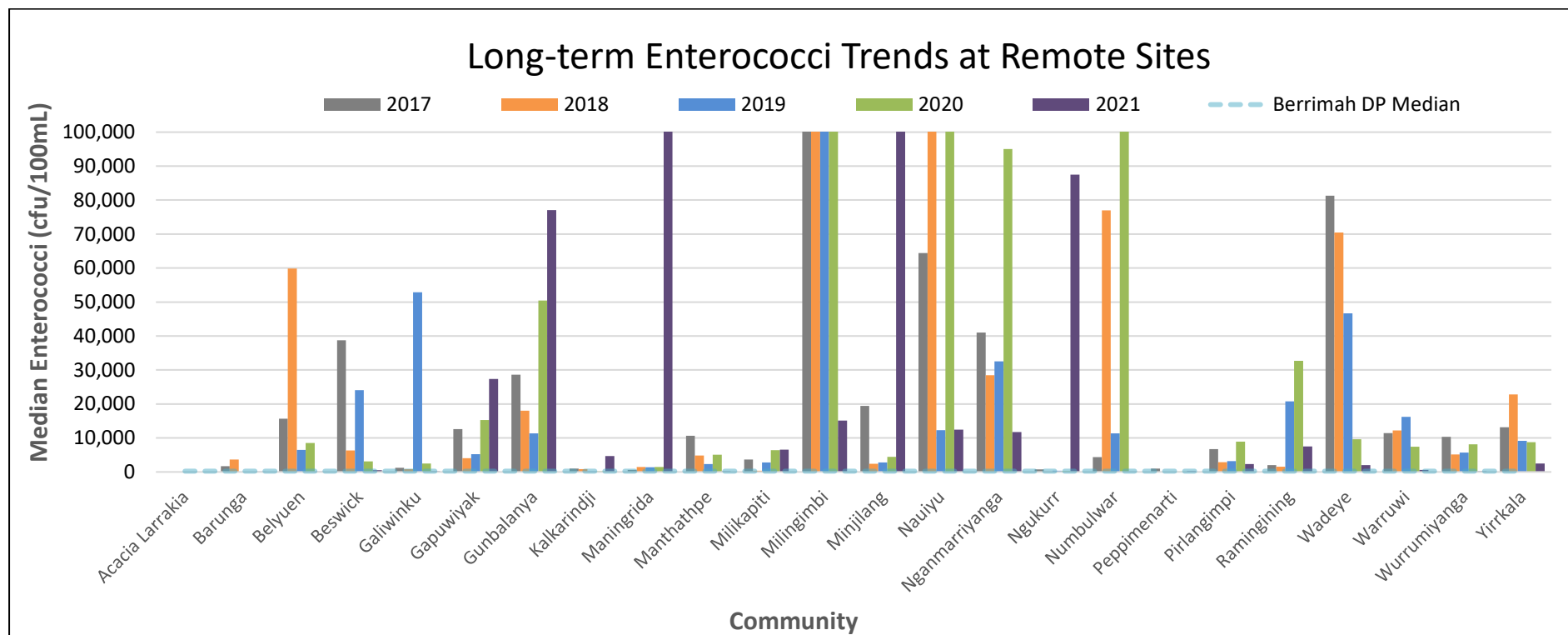


Figure 12 Long-term Enterococci trends at remote sites

Discussion:

- *E. coli* and Enterococci are indicator species of bacterial pathogens that occur in treated effluent (Davies-Colley, 2005). The presence of increased pathogens in receiving waters may cause illness and lead to a public health risk, through recreation within contaminated waters and bacteria accumulation in shellfish that may be harvested for consumption (PWC, 2019). These parameters are considered key indicators associated with environmental and cultural impacts of effluent discharge from the remote WSPs.
- Figure 11 and Figure 12 illustrate Milingimbi, Nauiyu, Numbulwar and Wadeye have higher concentrations of both *E. coli* and Enterococci in consecutive years in comparison to other communities. A number of communities have substantially lower levels of pathogen concentrations, the lowest observed at Acacia Larrakia, Barunga, Kalkarindji, Maningrida and Peppimenarti.
- Substantial spikes in both parameters have generally occurred during the Wet Season, for example *E. coli* concentrations at: Belyuen (58,830 cfu/100 mL, RM is 7,170 cfu/100 mL) Galiwinku (52,915 cfu/100 mL, RM is 1,030 cfu/100 mL) Gunbalanya (82,965 cfu/100 mL, RM is 21,430 cfu/100 mL) and Numbulwar (77,010 cfu/100 mL, RM is 41,545 cfu/100 mL).
- A majority of the remote communities have higher concentrations of *E. coli* and Enterococci in comparison to Berrimah discharge point (1,300 cfu/100mL; 235 cfu/100mL). However, WSPs are considered to be efficient at removal of pathogens (Davies-Colley, 2005). A large number of factors may influence varied disinfection rates between the different pond systems, including pond and regional temperatures, pH, algal production, pond configuration, depth and retention times (Davies-Colley, 2005). Additional monitoring is required to improve these datasets and provide more accurate long term trends.
- Furthermore, although the presence of *E. coli* in environmental waters is used as an indicator for faecal pollution, research suggests it is present naturally within the ecosystem, particularly within tropical climates where constantly high temperatures, high humidity and high nutrients occur. High *E. coli* concentrations have been found in numerous tropical locations in the absence of faecal sources (Winfield & Groisman, 2003).
- The preliminary surface water results in Table 34 suggest *E. coli* concentrations decrease within the receiving environment, and are naturally present within receiving waters as observed when the Belyuen WSPs are not discharging during the Dry Season.
- Studies suggest that birds and other wildlife account for a large proportion of *E. coli* concentrations found in environmental waters (Anastasi et. al, 2012). Migratory and shore bird species among others are regularly observed congregating at the WSPs across remote NT.

4.7. Surface Water

Surface water monitoring commenced at Woods Inlet in mid-2019, where discharge of the Belyuen WSPs occurs, as per WDL 215-1. Woods Inlet is a tidal brackish creek considered an upper estuary of the Darwin Harbour Region (DENR, 2019). A review of the surface water monitoring results against the *Water Quality Objectives for the Darwin Harbour Region* has been included to inform the development of site-specific trigger values for this site (Condition 34). These water quality objectives are applicable during the Dry Season months only from May through to October (DENR, 2019). For the purpose of this report, long term and seasonal trending is not suitable at this time as only preliminary results are available. Collection of additional data will continue to provide a more accurate assessment in the future.

As seen in Table 34 the results at the Belyuen discharge point (SBL090) are generally all above the receiving waters DHWQO criterion (with the exception of pH) as expected and discussed in Section 2.1. Similarly, the results at the Berrimah discharge point also generally exceed these parameters (PWC, 2020). In comparison to other remote communities, the Belyuen discharge has lower concentrations in BOD, ammonia, nitrogen and phosphorus, with the ponds observed to only discharge during the Wet Season when additional dilution would occur from increased rainfall and stormwater intrusion. This suggests the Belyuen discharge may pose a lower risk to the environment than other WSP systems.

Monthly DO results are available for this sample point, however as outlined in Section 4.3 DO is currently measured by laboratory analysis rather than *in-situ*, this affects the accuracy of results at the discharge point, and therefore DO is not discussed for the purpose of this report.

Median results at Woods Inlet (SBLEP01) for pH, Chlorophyll-a, Ammonia, NO_x, FRP and Enterococci are within the limits of the DHWQO criteria, whilst median results for remaining indicators have exceeded the criteria. Elevated levels in Turbidity, TSS, TN, TP and *E. coli* during the months of July through to December when ponds levels were low and discharge was not occurring (greyed section) suggests external input is occurring from the receiving environment. Exceedances of Ammonia, TN and TP concentrations in Woods Inlet have occurred – consistent with results observed at times at the Berrimah zone of influence – SBEBL02 (Blessers Creek) (PWC, 2020).

Results from the Berrimah receiving environment of Blessers Creek reveal that concentrations in all nutrient parameters may decrease further downstream of the WSPs within local brackish tidal creeks (PWC, 2020). Studies conducted in Darwin Harbour reveal there have been minimal increases in nitrogen annual loads within Woods Inlet over the last decade; with areas of intensive land use identified as a greater threat on macro tidal estuaries (Fortune, Butler and Gibb, 2020). Furthermore, data collected at the Ludmilla WSP receiving environment of East Point Outfall suggest high nutrient loads occur within the Darwin Harbour; high nutrient loads are often observed within tropical estuarine environments such as Woods Inlet.

Monthly discharge reports of Woods Inlet provided by external contractors note no odours, healthy mangrove vegetation and small fish observed at the monitoring point. PWC observed over the 2019 and 2020 Dry Seasons that pond water levels within the final ponds have been very low, with pond discharge to the receiving environment ceasing for a number

of months across a number of communities. This may correspond with low rainfall patterns for the region over this period seen in

Table 2. In late July 2021 it was reported that the Belyuen ponds had ceased discharging, demonstrating that the discharge from the ponds is seasonal only. Further site inspections are required to determine the duration and extent of discharge throughout the year, which would subsequently reduce the risk to the receiving environment.

The Department of Environment, Parks and Water Security conduct water quality monitoring across the Darwin Harbour to *provide a snapshot of water quality and the health of aquatic ecosystems across the harbour and its catchments* (DEPWS, 2019). Located within the West Arm zone of Darwin Harbour, the waterways including and downstream of Woods Inlet maintains a Darwin Harbour Water Quality Report Card (2019) Grade of A: Excellent for a majority of the period from 2009 to 2019 (DENR, 2019). To date it is considered that there are no long-term trends of declining water quality within this area. West Arm area is considered undisturbed and is typically utilised as a reference condition in Darwin Harbour (DENR, 2019).

The continuation of a robust monitoring program will further determine the environmental impacts from the Belyuen WSPs discharge.

5. Environmental Impacts Summary

Environmental Risk Assessments (ERAs) have been conducted and issued for each of the remote community WDLs in accordance with licence conditions. The ERA's outline site-specific information, potential environmental risks, impacts and conceptual site models for each location.

Visual observations at each site confirm there has been no indication that the discharges are causing deleterious effects on the receiving environments, with no gross pollutants, fish kills or impacts on surrounding vegetation observed or reported. Visually, the waterways at each of the receiving sites look to contain healthy levels of fish and aquatic invertebrates.

The 'high' risk rankings determined within the most recent ERA's are associated with the risk to human health from pathogens from cultural uses of the area for primary and secondary recreation, for activities such as swimming, fishing, wading and consumption of shellfish; and a reduction of amenity within the area from nutrients. Signage has been installed at the discharge points to advise the public of the location of the effluent as seen in Figure 13.

The key water quality indicators associated with the environmental impacts from the remote community WSPs discussed in this report are outlined in Appendix F. Table 35 provides a summary of the assessment end-points whilst Table 36 provides a summary of the key indicators present at each of the communities. Conducting further monitoring and reviews will allow for improved environmental impact assessments in the future.



Figure 13 Essential Services Operator maintaining effluent warning signage at Warruwi DP (PWC, 2020)

6. Conclusion and Proposed Actions

This report presents a summary of effluent monitoring data collected at remote Indigenous community WSPs. Through the assessment of this data, the following conclusions have been made:

- Milingimbi and Ramingining have higher concentrations of key indicators for environmental impacts within the discharge
- Acacia, Peppimenarti and Ngukurr have the lowest concentrations of the key performance indicators within the discharge

The monitoring objectives for this program are considered accomplished, meeting the requirements of monitoring specified within the licence conditions. Assessment of treated effluent water quality results against environment water guideline values is not suitable at this point in time; however comparisons can be made against other local WSPs of similar EP where substantial environmental monitoring is conducted.

The results indicate that for a majority of the water quality parameters, concentration levels are somewhat consistent with Berrimah discharge point, suggesting no extreme concerns from water quality exceedances at these sites. Environmental impacts from remote community WSPs are considered to be lower risk than urban WSPs, taking into consideration the lower discharge volumes. Additional data collection and review of assessments will confirm whether these assumptions are correct.

There are a number of limitations of the data presented, including the variation in frequencies of monitoring at different WSPs which may distort the results and interpretation. Additionally, discharge flow monitoring and further seasonal assessment is required to assess climatic fluctuations and the level of risk.

Overall, the philosophy of ANZECC Guidelines is one of continued improvement against water quality objectives. Although it is difficult to assess treated effluent monitoring data against environmental and surface water guidelines, there has been great improvement over the past five years within the area of wastewater monitoring and analysis at remote WSPs, particularly with the initial WDLs only coming into effect in 2015. Additional monitoring and review of the ERAs will address knowledge gaps and identify opportunities for improvement. This will ensure that the environmental risks associated with these facilities are managed more effectively over time.

PWC have implemented monthly monitoring at a number of sites in the past two years to improve datasets and reduce abnormalities. Pond desludging and meter installation programs at specific sites are also being implemented where funding is available.

Appendix A – List of Remote Community WDLs

Community	WDL	Licence Expiry
Round 1		
Manthathpe	201-3	12/10/2022
Galiwinku	202-3	12/10/2022
Maningrida	203-3	12/10/2022
Yirrkala	204-3	12/10/2022
Wadeye East	205-3	12/10/2022
Ramingining	206-3	12/10/2022
Naiyu	207-3	12/10/2022
Milingimbi	208-3	12/10/2022
Round 2		
Barunga	214-1	Pending renewal - July 2021
Belyuen	215-1	Pending renewal - July 2021
Gunbalunya	216-1	Pending renewal - July 2021
Milikapiti	217-1	Pending renewal - July 2021
Numbulwar	218-1	Pending renewal - July 2021
Nganmaryanga	219-1	Pending renewal - July 2021
Peppimenarti	220-1	Pending renewal - July 2021
Pirlangimpi	221-1	Pending renewal - July 2021
Waruwi	222-1	Pending renewal - July 2021
Wurrumiyanga	223-1	Pending renewal - July 2021
Round 3		
Acacia Larrakia	225-1	10/10/2021
Beswick	228-1	10/10/2021
Gapuwiyak	230-1	10/10/2021
Kalkarindji	231-1	10/10/2021
Minjilang	233-1	10/10/2021
Ngukurr	234-1	10/10/2021

Appendix B – Tabulation of Monitoring Results – Treated Effluent

Table 3 Monitoring Results - Acacia Larrakia - WDL225-1

Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
		pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100ml)
kia																	
Wq-Acacia Hillsa Pond 4 Outlet	11/01/2017 0:00	9.11	222	6.37	78	13	8	4.1	26	0.45	6.8	<0.1	7.30	0.25	0.26	20	10
Wq-Acacia Hillsa Pond 4 Outlet	5/07/2017 15:56	9.65	250	9.21	110	28	66	18	74	0.6	3.5	<0.1	4.15	<0.1	0.1	50	50
Wq-Acacia Hillsa Pond 4 Outlet	2/11/2017 16:03	9.51	340	12.1	120	40	103	21	89	0.8	4.3	<0.1	5.15	<0.1	0.3	50	50
Wq-Acacia Hillsa Pond 4 Outlet	18/07/2018 13:46	8.54	270	4.69	54	15	17	4.2	36	1	3.6	<0.1	4.65	0.3	0.3	5	30
Wq-Acacia Hillsa Pond 4 Outlet	15/01/2019 14:40	8.62	160	7.59	94	8.9	18	<1	29	<0.2	16	<0.1	16.20	0.2	0.2	10	10
Wq-Acacia Hillsa Pond 4 Outlet	24/07/2019 08:20:00	8.75	410	5.31	57	16	21	5.0	4.0	0.6	3.0	0.1	3.7	0.2	0.5	20	41
Wq-Acacia Hillsa Pond 4 Outlet	20/11/2019 08:07:27	8.79	390	4.97	60	46	40	33.0	160.0	0.9	9.8	<0.1	10.75	<0.1	0.1	122	2,359
Wq-Acacia Hillsa Pond 4 Outlet	09/06/2020 09:34:37	8.47	590	3.87	46	29	40	5.4	5.0	0.8	3.3	<0.1	4.15	<0.1	0.4	5	256
Wq-Acacia Hillsa Pond 3 Outlet	15/07/2020 09:53:13	9.55	190.0	8.12	95.0	170.0	73.0	32.0	477.0	0.5	6.0	<0.1	6.55	0.3	0.8	50	50
Wq-Acacia Hillsa Pond 3 Outlet	17/11/2020 09:00:12	9.63	470.0	7.95	100.0	170.0	80.0	32.0	441.0	1.2	8.6	<0.1	9.85	0.2	0.8	41	20
Wq-Acacia Hillsa Pond 4 Outlet	16/12/2020 08:34:12	8.41	350.0	5.5	67.0	50.0	36.0	22.0	148.0	0.8	4.4	<0.1	5.25	0.1	0.4	1,211	8,664
Wq-Acacia Hillsa Pond 4 Outlet	13/01/2021 09:00:00	8.7	320.0	5.72	75.0	60.0	28.0	13.0	128.0	0.6	2.8	<0.1	3.45	0.3	0.4	75	41
Wq-Acacia Hillsa Pond 4 Outlet	05/05/2021 10:15:06	8.32	260.0	4.16	52.0	11.0	16.0	4.7	39.0	0.7	1.8	0.1	2.6	0.1	0.3	5	63
Wq-Acacia Hillsa Pond 3 Outlet	16/06/2021 09:27:26	9.54	330.0	10.1	120.0	66.0	52.0	14.0	142.0	1.0	3.7	<0.1	4.75	0.4	0.8	256	41
No. of Samples		14															14
Mean		9.0	325	6.83	81	52	43	14.92	128	0.72	5.54	0.06	6.32	0.18	0.40	137	835
Median		8.8	325	6.05	77	35	38	13.50	82	0.75	4.00	0.05	4.95	0.20	0.35	46	46
Median Dry Season		8.8	270	5.31	57	28	40	5.40	39	0.70	3.50	0.05	4.15	0.20	0.40	20	50
Median Wet Season		8.8	340	6.37	78	46	36	21.00	128	0.80	6.80	0.05	7.30	0.20	0.30	50	41
95th Percentile		9.6	512	10.80	120	170	88	32.35	454	1.07	11.97	0.10	12.66	0.34	0.80	590	4,566

Table 4 Monitoring Results Assessment - Barunga - WDL214-1

Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
		pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100ml)
	Median Dry Season	8.8	270	5.31	57	28	40	5.40	39	0.70	3.50	0.05	4.15	0.20	0.40	20	50
	Median Wet Season	8.8	340	6.37	78	46	36	21.00	128	0.80	6.80	0.05	7.30	0.20	0.30	50	41
	95th Percentile	9.6	512	10.80	120	170	88	32.35	454	1.07	11.97	0.10	12.66	0.34	0.80	590	4,566
Wq-Barunga Pond 5 Outlet	9/03/2016 0:00	8.28	330	8.08	97	44	44	11	142	1.2	7	<0.1	8.25	0.58	1.1	520	970
Wq-Barunga Pond 5 Outlet	13/07/2016 0:00	7.69	390	4.22	47	87	117	23	946	1.5	15	0.29	16.79	0.22	1.6	200	310
Wq-Barunga Pond 5 Outlet	11/01/2017 0:00	7.82	220	8.19	89	48	31.4	17	236	2.2	3.6	0.39	6.19	0.41	1.3	3,076	19,863
Wq-Barunga Pond 5 Outlet	11/07/2017 16:24	8.25	290	8.18	93	140	127	34	1320	2.3	15	0.13	17.43	0.8	2.4	1,710	2,660
Wq-Barunga Pond 5 Outlet	16/08/2017 0:00	9.36	300	8.38	86	330	140	68	901	0.8	16	0.14	16.94	1.2	3.3	50	410
Wq-Barunga Pond 5 Outlet	9/01/2018 16:34	8.13	230	7.6	81	310	143	31	799	1.7	10	0.1	11.8	1.0	2.0	7,270	24,197
Wq-Barunga Pond 5 Outlet	10/07/2018 0:00	9.00	300	6.38	72	90	110	33	838	2.5	11	<0.1	13.55	1.3	2.4	50	50
Wq-Barunga Pond 5 Outlet	8/01/2019 8:14	9.58	220	10.2	110	83	90	33	595	0.9	10	<0.1	10.95	<0.1	1.2	19,863	98
Wq-Barunga Pond 5 Outlet	09/07/2019 06:58:00	8.85	270	5.46	61	230	125	42.0	803	0.4	12.0	<0.1	12.45	0.8	2.5	50	410
Wq-Barunga Pond 5 Outlet	08/10/2019 13:07:27	7.3	630	1.37	16	230	320	200.0	894	6.2	48.0	<0.1	54.25	5.1	8.1	50	1,870
Wq-Barunga Pond 5 Outlet	14/01/2020 13:37:27	9.97	330	16.6	210	180	110	29.0	720	0.5	11.0	<0.1	11.55	0.6	2.4	100	100
Wq-Barunga Pond 5 Outlet	14/04/2020 06:25:22	7.48	310	<0.1	<10	33	33	27.0	52	1.4	7.1	<0.1	8.55	0.6	1.3	20	10
Wq-Barunga Pond 5 Outlet	14/07/2020 08:50:13	8.04	260.0	0.72	<10	220.0	137.0	36.0	833.0	1.0	14.0	<0.1	15.05	0.4	2.2	50	200
Wq-Barunga Pond 5 Outlet	13/10/2020 09:05:19	8.08	510	1.81	22	310	155	52.0	1,770	1.2	20.0	<0.1	21.25	1.4	3.5	10	213
Wq-Barunga Pond 5 Outlet	12/01/2021 09:20:00	7.39	310.0	1.38	13.0	64.0	67.0	28.0	668.0	3.2	7.4	<0.1	10.65	0.5	1.6	10	83
Wq-Barunga Pond 5 Outlet	13/04/2021 09:10:00	7.55	250.0	3.57	36.0	41.0	44.0	20.0	310.0	0.6	4.9	<0.1	5.55	<0.1	2.3	41.0	161.0
	No. of Samples	16														16	
	Mean	8.3	322	5.76	65	153	112	42.75	739.19	1.73	13.25	0.10	15.08	0.94	2.45	2,067	3,225
	Median	8.1	300	5.92	67	115	114	32.00	801.00	1.30	11.00	0.05	12.13	0.60	2.25	50	262
	Median Dry Season	8.2	300	4.84	54	225	132	39.00	897.50	1.35	15.00	0.05	16.87	1.00	2.45	50	360
	Median Wet Season	8.0	280	7.84	85	56	56	27.50	452.50	1.30	7.25	0.05	9.60	0.54	1.45	310	131
	95th Percentile	9.7	540	11.80	135	315	196	101.00	1432.50	3.95	27.00	0.32	29.50	2.33	4.65	10,418	20,947

Table 5 Monitoring Results Assessment - Belyuen - WDL215-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)
SBL090	Wq-Belyuen Pond 2 Outlet	5/07/2017 12:51	6.34	64	6.16	71	37	74	26	518	1.5	6.7	0.2	8.4	0.1	0.8	15,650	5,420
SBL090	Wq-Belyuen Pond 2 Outlet	3/01/2018 14:23	7.13	210	2.63	30	8	95	56	1,070	3.2	12	<0.1	15.25	0.8	2.4	111,990	3,150
SBL090	Wq-Belyuen Pond 2 Outlet	4/07/2018 12:23	7.28	86	9.93	110	29	70	24	232	0.9	7.6	<0.1	8.55	0.2	1.2	7,670	100
SBL090	Wq-Belyuen Pond 2 Outlet	2/01/2019 12:54	7.41	440	0.27	<10	300	803	35	543	6.1	27	<0.1	33.15	4.9	6.1	5,730	173,290
SBL090	Wq-Belyuen Pond 2 Outlet	24/07/2019 07:00:00	7.48	380	0.74	10	1,000	2,000	310.0	2,730	2.3	61.0	<0.1	63.35	0.4	4.5	7,170	410
SBL090	Wq-Belyuen Pond 2 Outlet	07/08/2019 00:00:00	7.67	440	<0.1	<10	310	420	36.0	1,030	2.2	17.0	<0.1	19.25	0.4	2.8	12,810	250
SBL090	Wq-Belyuen Pond 2 Outlet	04/09/2019 11:16:01	7.75	610	3.26	37	370	520	39.0	983	4.6	20.0	<0.1	24.65	0.3	2.8	1,580	24,196
SBL090	Wq-Belyuen Pond 2 Outlet	05/11/2019 10:40:19	7.43	410	<0.1	<10	71	124	31.0	256	12.0	15.0	<0.1	27.05	2.7	3.7	120,330	2,419,601
SBL090	Wq-Belyuen Pond 2 Outlet	04/12/2019 11:22:22	7.66	340	<0.1	69	150	190	11.0	326	3.0	15.0	<0.1	18.05	2.6	3.9	970	520
SBL090	Wq-Belyuen Pond 2 Outlet	08/01/2020 10:18:29	7.55	290	<0.1	<10	200	105	54.0	225	5.4	15.0	<0.1	20.45	1.1	2.9	17,329	826
SBL090	Wq-Belyuen Pond 2 Outlet	05/02/2020 10:07:12	7.06	140	4.23	49	18	22	6.7	216	3.9	3.4	<0.1	7.35	0.4	1.0	23,590	241,961
SBL090	Wq-Belyuen Pond 2 Outlet	04/03/2020 12:15:33	5.0	30	4.64	53	1.0	7	1.8	29	0.7	1.6	<0.1	2.35	0.1	0.2	86	160
SBL090	Wq-Belyuen Pond 2 Outlet	08/04/2020 10:30:35	5.75	32	6.71	79	9.2	14	<1	108	0.8	2.6	<0.1	3.45	0.1	0.2	1,145	63
SBL090	Wq-Belyuen Pond 2 Outlet	06/05/2020 09:26:37	5.77	26	4.75	57	5.3	6	1.2	123	0.8	2.4	<0.1	3.25	0.1	0.1	50	50
SBL090	Wq-Belyuen Pond 2 Outlet	03/06/2020 09:42:51	6.08	47	2.08	25	3.1	10	4.5	32	1.1	1.3	<0.1	2.45	0.1	0.3	5,200	50
SBL010	Wq-Belyuen Pond 1 Outlet	08/07/2020 09:05:17	6.94	470.0	<0.1	<10	100.0	48.0	100.0	65.0	20.0	5.3	0.14	25.44	1.8	2.1	325,500	92,080
SBL010	Wq-Belyuen Pond 1 Outlet	05/08/2020 09:14:33	7.41	530	0.1	<10	190	63	54.0	90.0	24.0	6.6	0.1	30.7	2.8	3.7	8,500	387,300
SBL010	Wq-Belyuen Pond 1 Outlet	02/09/2020 12:08:33	7.59	580	<0.1	<10	110	85	83.0	349	24.0	12.0	<0.1	36.05	3.8	4.7	248,900	12,360
SBL090	Wq-Belyuen Pond 2 Outlet	08/10/2020 08:22:00	7.62	330	4.69	56	220	145	12.0	2,880	3.2	17.0	0.29	20.49	2.7	4.7	12,997	24,196
SBL090	Wq-Belyuen Pond 2 Outlet	04/11/2020 08:22:29	7.02	350.0	<0.1	<10	801	2001	38.0	1,090.0	2.9	25.0	0.14	28.04	1.3	4.1	4,800	241,961
SBL090	Wq-Belyuen Pond 2 Outlet	02/12/2020 08:45:21	7.24	230.0	0.41	<10	58.0	60.0	26.0	392.0	2.9	8.0	<0.1	10.95	1.1	2.0	11,530	19,350
SBL090	Wq-Belyuen Pond 2 Outlet	06/01/2021 09:15:49	6.09	56.0	1.37	16.0	73.0	118.0	13.0	47.0	2.0	3.9	0.1	6.0	0.3	0.7	50	1,600
SBL090	Wq-Belyuen Pond 2 Outlet	10/02/2021 09:10:52	5.36	24.0	4.9	52.0	1.3	6.0	<1	2.0	0.8	0.7	0.1	1.6	<0.1	0.4	6,200	100
SBL090	Wq-Belyuen Pond 2 Outlet	03/03/2021 09:15:23	5.5	23.0	5.34	64.0	3.0	<5	2.7	11.0	1.1	1.8	0.1	3.0	<0.1	0.1	9,320	50
SBL090	Wq-Belyuen Pond 2 Outlet	07/04/2021 08:34:34	5.53	27.0	3.34	41.0	3.4	<5	3.4	7.0	0.9	1.1	0.1	2.1	<0.1	0.2	1,137	120
SBL090	Wq-Belyuen Pond 2 Outlet	05/05/2021 07:54:58	5.82	32.0	3.99	37.0	6.0	8.0	5.4	43.0	0.5	1.3	0.1	1.9	0.1	0.2	1,935	156
SBL090	Wq-Belyuen Pond 2 Outlet	02/06/2021 09:00:36	6.57	70.0	10.9	120.0	18.0	32.0	16.0	458.0	0.7	4.0	0.3	5.0	0.1	0.4	4,611	185
No. of Samples			31														31	
Mean			6.7	214	3.32	41	138	236	34.12	511.19	4.37	10.46	0.10	14.93	0.96	1.97	36,720	122,917
Median			7.0	140	3.26	37	37	63	16.00	232.00	2.00	6.60	0.05	8.55	0.30	1.20	7,170	826
95th Percentile			6.7	214	3.32	41	138	236	34.12	511.19	4.37	10.46	0.10	14.93	0.96	1.97	36,720	122,917
Median Dry Season			7.1	208	3.63	37	69	67	25.00	290.50	1.85	6.65	0.05	13.90	0.25	1.65	7,420	465
Median Wet Season			7.0	140	2.63	41	18	60	11.00	225.00	2.00	3.90	0.05	7.35	0.40	1.00	6,200	1,600

Table 6 Monitoring Results - Beswick - WDL228-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)
SBW090	Wq-Beswick Pond 2 Outlet	11/01/2017 0:00	8.8	534	<0.1	<10	130	108	66	1119	3.8	14	0.14	17.94	0.15	3.4	38,730	3,010
SBW090	Wq-Beswick Pond 2 Outlet	11/07/2017 16:28	7.91	900	<0.1	<10	48	173	73	3	39	9.2	<0.1	48.25	3.3	5.2	19,863,000	75,000
SBW090	Wq-Beswick Pond 2 Outlet	16/08/2017 0:00	9.42	510	15.4	150	92	125	70	493	0.6	18	0.15	18.75	0.1	2.5	100	520
SBW090	Wq-Beswick Pond 2 Outlet	9/01/2018 16:37	9.57	470	7.44	79	340	170	72	1370	0.6	17	<0.1	17.65	0.6	1.8	1,187	959
SBW090	Wq-Beswick Pond 2 Outlet	10/07/2018 0:00	8.63	780	4.64	52	110	125	25	607	5.3	12	0.26	17.56	1.3	2.8	11,530	200
SBW090	Wq-Beswick Pond 2 Outlet	8/01/2019 8:12	8.86	550	4.13	46	170	130	37	344	2.9	14	<0.1	16.95	0.3	1.9	19,560	2,430
SBW090	Wq-Beswick Pond 2 Outlet	09/07/2019 07:03:00	8.38	840	4.85	39	110	145	42.0	765	2.6	13.0	0.18	15.78	1.1	2.4	28,510	410
SBW090	Wq-Beswick Pond 2 Outlet	14/01/2020 08:50:00	9.41	500	3.59	43	100	67	29.0	340	1.1	7.0	<0.1	8.15	0.3	1.2	4,670	200
SBW090	Wq-Beswick Pond 2 Outlet	14/04/2020 06:15:32	8.41	700	<0.1	<10	58	57	25.0	227	4.7	6.4	<0.1	11.15	1.1	1.1	2,851	24,191
SBW090	Wq-Beswick Pond 2 Outlet	14/07/2020 07:15:29	8.45	620.0	<0.1	<10	78.0	58.0	14.0	485.0	0.6	7.2	0.8	8.6	0.9	1.4	3,090	310
SBW090	Wq-Beswick Pond 2 Outlet	11/08/2020 08:15:00	8.26	790				117	38.0		2.3	13.0	0.1	15.4	0.6	2.3	141,360	1,850
SBW090	Wq-Beswick Pond 2 Outlet	28/09/2020 10:05:51	7.71	1,100				58	69.0		36.0	7.0	<0.1	43.05	3.6	4.9	241,961	120,330
SBW090	Wq-Beswick Pond 2 Outlet	18/11/2020 14:10:00	8.34	840.0	0.25	<10	84.0	72.0	80.0	360.0	14.0	7.4	<0.1	21.45	1.5	2.8	500	50
SBW090	Wq-Beswick Pond 2 Outlet	08/12/2020 08:05:00	7.72	1,100.0	0.18	<10	140.0	167.0	56.0	438.0	30.0	10.0	<0.1	40.05	1.6	2.3	1,000	500
SBW090	Wq-Beswick Pond 2 Outlet	12/01/2021 07:45:00	8.24	560.0	3.46	33.0	89.0	80.0	34.0	108.0	6.1	5.9	<0.1	12.05	0.9	1.5	5	10
SBW090	Wq-Beswick Pond 2 Outlet	10/02/2021 14:30:49	8.5	470.0	0.42	<10	25.0	40.0	15.0	51.0	1.9	5.3	0.1	7.3	0.9	1.3	31	260
SBW090	Wq-Beswick Pond 2 Outlet	09/03/2021 09:40:00	8.39	480.0	2.71	31.0	26.0	46.0	17.0	103.0	2.9	3.7	0.1	6.7	0.7	1.2	14,010	970
SBW090	Wq-Beswick Pond 2 Outlet	13/04/2021 08:00:00	8.52	560.0	1.22	12.0	66.0	88.0	40.0	340.0	2.0	9.1	0.1	11.2	0.6	1.8	16,740	2,260
SBW090	Wq-Beswick Pond 2 Outlet	11/05/2021 08:25:00	8.09	570.0	0.49	<10	37.0	44.0	29.0	274.0	4.1	5.7	0.1	9.9	0.5	1.4	17,930	50
SBW090	Wq-Beswick Pond 2 Outlet	08/06/2021 08:30:00	8.2	530.0	0.76	<10	93.0	96.0	63.0	454.0	2.9	10.0	0.1	13	<0.1	1.9	14,140	730
		No. of Samples	20															
		Mean	8.5	670.2	2.76	29	100	98	44.70	437.83	8.17	9.75	0.13	18.04	1.01	2.26	29,363	8,381
		Median	8.4	565.0	0.99	9	91	92	39.00	352.00	2.90	9.15	0.10	15.59	0.80	1.90	11,530	520
		Median Dry Season	8.3	780.0	0.76	5	92	117	42.00	485.00	2.90	10.00	0.10	15.78	0.90	2.40	57,328	15,550
		Median Wet Season	8.5	550.0	1.22	12	89	80	37.00	340.00	2.90	7.40	0.05	12.05	0.70	1.80	2,851	959
		95th Percentile	9.4	1100.0	8.63	90	196	170	73.35	1156.65	36.15	17.05	0.29	43.31	3.32	4.92	1,223,013	77,267
		% Removal							33%		44%			10%		0%		

Table 7 Monitoring Results (Physical/Chemical) - Galiwinku - WDL202-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SGA090	Wq-Galiwinku Pond 2 Outlet	19/09/2017 0:00	7.98	580				87	35		21	12	<0.1	33.05	5.5	7.2
SGA090	Wq-Galiwinku Pond 2 Outlet	17/10/2017 0:00	7.68	590				53	29		21	7.3	<0.1	28.35	6.5	7.6
SGA090	Wq-Galiwinku Pond 2 Outlet	21/11/2017 0:00	7.72	530				30	20		17	6	0.1	23.1	5.8	5.9
SGA090	Wq-Galiwinku Pond 2 Outlet	19/12/2017 16:00	7.89	550				52	34		20	10	0.2	30.2	6.3	7.6
SGA090	Wq-Galiwinku Pond 2 Outlet	16/01/2018 16:11	8.15	460	2.76	32	53	34	17	450	14	7.5	0.19	21.69	5	6
SGA090	Wq-Galiwinku Pond 2 Outlet	27/02/2018 0:00	7.55	380				17	5.4		11	2.4	0.15	13.55	3.2	3.2
SGA090	Wq-Galiwinku Pond 2 Outlet	20/03/2018 0:00	7.73	340				42	19		12	5.1	0.29	17.39	2.6	3.2
SGA090	Wq-Galiwinku Pond 2 Outlet	15/05/2018 0:00	7.85	460				75	17		18	7.8	<0.1	25.85	3.9	5.1
SGA090	Wq-Galiwinku Pond 2 Outlet	19/06/2018 16:14	8.03	540	0.88	<10	63	100	38	1460	25	9.6	0.1	34.7	5.1	6.7
SGA090	Wq-Galiwinku Pond 2 Outlet	24/07/2018 0:00	7.67	570	1.35	14	76	140	51	1140	24	13	0.1	37.1	2.8	7.6
SGA090	Wq-Galiwinku Pond 2 Outlet	8/01/2019 8:18	7.58	450	<0.1	<10	28	30	14	84	17	5.7	<0.1	22.75	3.5	4.7
SGA090	Wq-Galiwinku Pond 2 Outlet	16/07/2019 07:00:00	7.93	540	3.95	44.0	51	55	17.0	351	20.0	8.2	0.16	28.36	3.9	4.3
SGA090	Wq-Galiwinku Pond 2 Outlet	21/01/2020 09:11:03	7.35	380	<0.1	<10	170	150	190.0	415	14.0	21.0	<0.1	35.05	4.9	6.7
SGA090	Wq-Galiwinku Pond 2 Outlet	21/07/2020 09:30:21	7.32	530.0	0.82	<10	95.0	77.0	44.0	635.0	12.0	10.0	5.14	27.14	4.1	6.9
SGA090	Wq-Galiwinku Pond 2 Outlet	01/09/2020 09:30:00	8.08	560.0	4.39	53.0	140.0	78.0	24.0	255.0	14.0	8.3	0.38	22.68	3.5	6.3
SGA090	Wq-Galiwinku Pond 2 Outlet	15/09/2020 07:00:00	7.62	540.0	<0.1	<10	170.0	100.0	27.0	334.0	15.0	11.0	0.44	26.44	3.7	5.7
SGA090	Wq-Galiwinku Pond 2 Outlet	20/10/2020 09:00:00	8.21	510.0	4.39	38.0	180.0	78.0	10.0	687.0	11.0	12.0	0.63	23.63	5.2	6.5
SGA090	Wq-Galiwinku Pond 2 Outlet	17/11/2020 10:00:00	7.78	410.0	2.98	29.0	220.0	97.0	33.0	1,340.0	2.5	15.0	1.6	19.1	3.9	5.6
SGA090	Wq-Galiwinku Pond 2 Outlet	15/12/2020 09:30:53	6.96	370.0	0.15	<10	400.0	1,460.0	120.0	17,400.0	5.0	54.0	<0.1	59.05	4.2	19.0
SGA090	Wq-Galiwinku Pond 2 Outlet	20/01/2021 09:00:33	6.91	520.0	0.21	<10	400.0	1,070.0	310.0	70.0	30.0	41.0	<0.1	71.05	3.8	8.1
SGA090	Wq-Galiwinku Pond 2 Outlet	16/02/2021 09:35:35	7.82	300.0	5.24	62.0	42.0	33.0	32.0	818.0	9.3	5.1	0.1	14.5	2.2	2.8
SGA090	Wq-Galiwinku Pond 2 Outlet	02/03/2021 08:30:01	7.58	320.0	2.05	20.0	27.0	40.0	14.0	546.0	10.0	3.9	0.1	14.0	1.7	2.5
SGA090	Wq-Galiwinku Pond 2 Outlet	09/03/2021 09:00:00	7.7	320.0	3.73	44.0	86.0	84.0	60.0	1,730.0	9.4	11.0	0.1	20.5	3.1	4.3
SGA090	Wq-Galiwinku Pond 2 Outlet	20/04/2021 09:30:00	8.39	330.0	6.54	72.0	77.0	70.0	33.0	654.0	11.0	7.4	0.3	18.7	3.6	4.3
SGA090	Wq-Galiwinku Pond 2 Outlet	11/05/2021 08:30:03	7.77	400.0	0.28	<10	31.0	24.0	24.0	210.0	16.0	5.1	0.2	21.3	3.4	4.3
SGA090	Wq-Galiwinku Pond 2 Outlet	15/06/2021 09:30:47	7.77	430.0	2.14	23.0	76.0	72.0	20.0	202.0	17.0	7.0	0.2	24.2	4.2	4.7
		No. of Samples	50													
		Mean	7.76	457.26	2.48	27.74	114.09	125.68	38.83	1379.45	15.86	10.29	0.32	26.48	3.86	5.61
		Median	7.78	475.00	2.05	22.00	76.00	56.85	24.00	498.00	15.50	7.95	0.13	24.63	3.90	5.60
		Median Dry Season	7.85	530.00	2.14	23.00	69.50	59.00	24.00	342.50	18.00	8.25	0.15	27.05	4.20	5.60
		Median Wet Season	7.73	380.00	2.41	24.50	66.50	50.00	20.00	498.00	11.00	7.20	0.10	19.38	3.80	4.70
		95th Percentile	8.21	571.50	6.44	71.00	391.00	288.00	130.50	1716.50	25.15	24.00	0.78	40.39	5.88	7.68
		% Removal							71%		52%			39%		7%

Note: Monitoring data utilised in the report is available data for the period of June 2016 – June 2021. For visual representative purposes data prior to 2017 is absent in above table – please refer to attached spreadsheet for more information.

Table 8 Monitoring Results (Bacteriological) - Galiwinku - WDL202-3

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SGA090	Wq-Galiwinku Pond 2 Outlet	16/01/2018 8:00	38,730	241,960
SGA090	Wq-Galiwinku Pond 2 Outlet	27/02/2018 8:00	630	173,290
SGA090	Wq-Galiwinku Pond 2 Outlet	20/03/2018 8:00	970	100
SGA090	Wq-Galiwinku Pond 2 Outlet	15/05/2018 8:00	100	111,990
SGA090	Wq-Galiwinku Pond 2 Outlet	19/06/2018 8:00	410	980
SGA090	Wq-Galiwinku Pond 2 Outlet	24/07/2018 8:00	1,600	1,870
SGA090	Wq-Galiwinku Pond 2 Outlet	8/01/2019 10:00	104,620	10,120
SGA090	Wq-Galiwinku Pond 2 Outlet	16/07/2019 09:20:00	1,210	850
SGA090	Wq-Galiwinku Pond 2 Outlet	21/01/2020 09:30:00	3,320	241,960
SGA090	Wq-Galiwinku Pond 2 Outlet	21/07/2020 09:30:00	48,840	100
SGA090	Wq-Galiwinku Pond 2 Outlet	01/09/2020 09:30:00	2,460	50
SGA090	Wq-Galiwinku Pond 2 Outlet	15/09/2020 09:00:00	2,410	241,961
SGA090	Wq-Galiwinku Pond 2 Outlet	20/10/2020 09:00:00	310	500
SGA090	Wq-Galiwinku Pond 2 Outlet	17/11/2020 10:00:00	1,080	50
SGA090	Wq-Galiwinku Pond 2 Outlet	15/12/2020 09:30:00	2,590	50
SGA090	Wq-Galiwinku Pond 2 Outlet	20/01/2021 09:00:00	422,000	41,000
SGA090	Wq-Galiwinku Pond 2 Outlet	16/02/2021 09:35:00	100.0	50
SGA090	Wq-Galiwinku Pond 2 Outlet	23/02/2021 09:30:00	504.0	203
SGA090	Wq-Galiwinku Pond 2 Outlet	02/03/2021 08:30:00	850	100
SGA090	Wq-Galiwinku Pond 2 Outlet	09/03/2021 09:00:00	740	50
SGA090	Wq-Galiwinku Pond 2 Outlet	20/04/2021 09:30:00	21,870	200
SGA090	Wq-Galiwinku Pond 2 Outlet	11/05/2021 08:30:00	50	241,961
SGA090	Wq-Galiwinku Pond 2 Outlet	15/06/2021 09:30:00	100	500
No. of Samples			35	
Mean			17,127	37,107
Median			1,030	479
Median Dry Season			464	860
Median Wet Season			846	360
95th Percentile			51,629	241,960
Log reduction			1.6	

Note: Monitoring data utilised in the report is available data for the period of June 2016 – June 2021.

For visual representative purposes data prior to 2018 is absent in above table – please refer to attached spreadsheet for more information.

Table 9 Monitoring Results - Gapuwiyak - WDL230-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/01/2017 0:00	8.04	388	7.47	71	84	61.7	23	91	11	9.8	<0.1	20.9	3.4	5.8	3,840	3,010
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/07/2017 16:13	7.66	470	<0.1	<10	56	30	24	154	21	7.5	<0.1	28.6	4.2	5	21,420	7,330
SGW090	Wq-Gapuwiyak Pond 3 Outlet	9/01/2018 16:40	7.63	450	1.6	<10	85	55	45	101	14	10	<0.1	24.1	4.8	6.1	4,350	2,160
SGW090	Wq-Gapuwiyak Pond 3 Outlet	17/04/2018 16:40	8.8	400	16	180	79	42	45	477	16	10	<0.1	26.1	4.5	5.8	50	200
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/07/2018 0:00	8.03	530	4.29	46	120	68	32	723	23	8.9	<0.1	32.0	5.2	6.2	4,080	200
SGW090	Wq-Gapuwiyak Pond 3 Outlet	8/01/2019 8:21	8.64	350	3.62	42	260	145	100	582	7.2	20	<0.1	27.3	3.5	6.2	860	9,320
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/07/2019 07:07:00	7.65	490	2.38	25	160	115	56.0	798	21.0	14.0	<0.1	35.1	4.2	5.9	15,760	4,960
SGW090	Wq-Gapuwiyak Pond 3 Outlet	14/01/2020 14:24:06	7.77	310	<0.1	<10	270	118	71.0	206	6.9	18.0	<0.1	25.0	1.9	5.1	3,450	410
SGW090	Wq-Gapuwiyak Pond 3 Outlet	14/04/2020 06:22:49	7.53	370	<0.1	<10	110	57	22.0	70	14.0	7.4	<0.1	21.5	3.2	3.8	2,489	465
SGW090	Wq-Gapuwiyak Pond 3 Outlet	07/07/2020 07:00:00	7.5	440.0	<0.1	<10	260.0	287.0	26.0	489.0	14.0	14.0	<0.1	28.1	<0.1	3.6	27,550	77,010
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/08/2020 07:30:00	7.7	470	0.1	<10	450	190	40.0	419.0	13.0	17.0	0.1	30.1	0.9	6.1	15,000	1,190
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/09/2020 07:30:00	7.57	520	<0.1	<10	210	150	24.0	247	16.0	16.0	<0.1	32.1	1.8	4.9	24,890	66,530
SGW090	Wq-Gapuwiyak Pond 3 Outlet	20/10/2020 07:10:00	7.74	510.0	0.1	<10	190.0	95.0	35.0	114.0	14.0	14.0	0.5	28.5	4.1	5.8	43,520	18,500
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/11/2020 07:10:00	7.52	530.0	<0.1	<10	410.0	184.0	98.0	650.0	18.0	26.0	<0.1	44.1	5.3	7.3	15,530	241,961
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/12/2020 07:20:00	7.57	470.0	0.12	<10	150.0	78.0	30.0	297.0	15.0	14.0	<0.1	29.1	4.7	6.0	1,000	137,400
SGW090	Wq-Gapuwiyak Pond 3 Outlet	12/01/2021 04:20:00	7.68	340.0	0.36	<10	42.0	26.0	24.0	37.0	11.0	6.4	<0.1	17.5	3.1	3.9	15,290	300
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/02/2021 03:10:56	8.65	300.0	11.4	110.0	95.0	62.0	22.0	319.0	12.0	6.6	0.1	18.7	1.6	3.3	2,880	50
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/03/2021 07:50:00	7.29	310.0	0.41	<10	110.0	76.0	36.0	257.0	13.0	8.0	<0.1	21.1	2.3	3.6	15,000	81,640
SGW090	Wq-Gapuwiyak Pond 3 Outlet	13/04/2021 18:30:54	7.44	280.0	0.39	<10	94.0	64.0	40.0	771.0	11.0	8.5	<0.1	19.6	2.2	3.4	12,960	68,670
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/05/2021 08:30:50	7.39	400.0	0.23	<10	78.0	48.0	26.0	313.0	20.0	6.8	<0.1	26.9	3.5	4.5	6,700	2,990
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/06/2021 07:20:00	7.57	400.0	0.19	<10	110.0	68.0	93.0	456.0	16.0	10.0	<0.1	26.1	3.3	4.8	29,090	51,720
No. of Samples			21														21	
Mean			7.8	416	2.33	26	163	96	43.43	360.52	14.62	12.04	0.08	26.74	3.23	5.10	12,653	36,953
Median			7.7	400	0.23	5	110	68	35.00	313.00	14.00	10.00	0.05	26.85	3.40	5.10	12,960	4,960
Average Dry Season			7.7	470	0.10	5	160	95	32.00	419.00	16.00	14.00	0.05	28.55	3.50	5.00	21,420	7,330
Average Wet Season			7.7	360	0.40	5	103	63	38.00	277.00	12.50	9.90	0.05	22.75	3.30	5.45	3,645	2,585
95th Percentile			8.7	530	11.40	110	410	190	98.00	771.00	21.00	20.00	0.10	35.05	5.20	6.20	29,090	137,400
% Removal									61%		50%			25%		2%		

Table 10 Monitoring Results - Gunbalanya - WDL216-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)
SOE090	Wq-Oenpelli Pond 3 Outlet	10/01/2017 0:00	7.2	210	0.73	<10	46	15	3.5	159	8.8	6.5	<0.1	15.35	1.2	2.5	11,120	630
SOE090	Wq-Oenpelli Pond 3 Outlet	11/07/2017 16:19	7.5	540	<0.1	<10	71	70	30	412	35	11	<0.1	46.05	3.8	5.2	46,110	520
SOE090	Wq-Oenpelli Pond 3 Outlet	9/01/2018 16:32	7.63	420	2.96	35	49	40	23	212	20	7.1	<0.1	27.15	3	4.6	21,430	3,500
SOE090	Wq-Oenpelli Pond 3 Outlet	15/05/2018 0:00	7.66	360	3.13	28	35	48	40	588	18	7.9	<0.1	25.95	2.3	3.5	14,670	241,961
SOE090	Wq-Oenpelli Pond 3 Outlet	8/01/2019 8:08	7.45	300	<0.1	<10	38	53	26	318	14	7.1	<0.1	21.15	1.6	2.6	57,940	241,961
SOE090	Wq-Oenpelli Pond 3 Outlet	09/07/2019 06:55:00	7.51	530	<0.1	<10	66	85	41.0	356	18.0	10.0	<0.1	28.05	3.9	5.6	11,370	1,220
SOE090	Wq-Oenpelli Pond 3 Outlet	15/10/2019 13:31:26	7.56	550	4.03	48	130	215	82.0	3,870	20.0	20.0	<0.1	40.05	4.2	7.0	11,000	155,310
SOE090	Wq-Oenpelli Pond 3 Outlet	21/01/2020 08:57:59	7.32	350	6.53	71	43	42	34.0	586	19.0	8.2	<0.1	27.25	2.7	3.7	104,620	4,960
SOE090	Wq-Oenpelli Pond 3 Outlet	21/04/2020 14:45:47	7.15	290	0.43	<10	100	93	41.0	1,150	14.0	14.0	<0.1	28.05	1.8	3.3	61,310	241,961
SOE090	Wq-Oenpelli Pond 3 Outlet	14/07/2020 09:55:33	7.52	240	5.84	62.0	130	73	48.0	561	18.0	12.0	<0.1	30.05	2.6	4.6	54,750	3,270
SOE090	Wq-Oenpelli Pond 3 Outlet	11/08/2020 11:45:00	7.43	250	0.1	5	150	187	56.0	2,640	20.0	21.0	0.1	41.1	2.4	5.3	241,960	24,150
SOE090	Wq-Oenpelli Pond 3 Outlet	08/09/2020 12:50:00	7.38	420	0.72	10	140	150	64.0	3,270	17.0	15.0	<0.1	32.05	2.2	4.6	9,090	100
SOE090	Wq-Oenpelli Pond 3 Outlet	13/10/2020 10:45:20	7.59	470	0.74	10	67	75	51.0	1,130	21.0	16.0	<0.1	37.05	3.2	5.3	7,760	1,210
SOE090	Wq-Oenpelli Pond 3 Outlet	10/11/2020 09:30:00	7.18	410	<0.1	<10	63	67	42.0	349	23.0	8.7	<0.1	31.75	3.5	3.6	46,110	19,560
SOE090	Wq-Oenpelli Pond 3 Outlet	08/12/2020 11:10:00	7.71	330	3.34	34.0	61	80	43.0	1,360	16.0	9.6	0.1	25.7	2.4	3.4	26,130	29,090
SOE090	Wq-Oenpelli Pond 3 Outlet	20/01/2021 09:44:44	7.09	250	0.33	<10	44	42	24.0	439	11.0	6.6	<0.1	17.65	1.5	2.3	24,197	6,500
SOE090	Wq-Oenpelli Pond 3 Outlet	02/02/2021 09:46:47	6.91	140	2.0	21.0	36	46	33.0	859	4.0	5.6	<0.1	9.65	0.5	1.3	24,197	7,270
SOE090	Wq-Oenpelli Pond 3 Outlet	09/03/2021 07:56:00	7.01	180	0.37	<10	25	44	34.0	183	6.6	5.4	<0.1	12.05	0.9	1.5	12,360	24,197
SOE090	Wq-Oenpelli Pond 3 Outlet	13/04/2021 10:15:00	7.02	210	0.78	<10	50	72	30.0	766	9.4	7.8	0.1	17.3	1.0	2.2	64,880	241,961
SOE090	Wq-Oenpelli Pond 3 Outlet	11/05/2021 08:20:00	7.06	270	0.31	10.0	56	68	52.0	1,220	13.0	11.0	0.1	24.1	1.8	3.2	2,060	198,630
SOE090	Wq-Oenpelli Pond 3 Outlet	08/06/2021 08:24:00	7.32	310	0.21	<10	80	84	94.0	1,030	14.0	13.0	<0.1	27.05	1.9	3.6	7,170	129,970
No. of Samples			23														23	
Mean			7.4	335	1.95	23	67	77	41.59	986	15.97	10.30	0.06	26.34	2.32	3.64	38,077	73,358
Median			7.4	310	0.73	10	56	70	41.00	596	17.00	8.70	0.05	27.05	2.30	3.60	21,430	19,560
Median Dry Season			7.5	420	0.72	10	71	84	51.00	1,030	18.00	12.00	0.05	30.05	2.60	4.60	37,775	70,325
Median Wet Season			7.2	270	0.76	5	45	45	31.50	513	12.50	7.10	0.05	19.40	1.55	2.55	25,164	21,879
95th Percentile			7.7	539	6.46	70	139	183	80.20	3,207	22.80	19.60	0.10	41.00	3.89	5.57	100,646	241,961
% Removal									13%		-13%			-10%		-21%		
Log Reduction																	1.3	

Table 11 Monitoring Results - Kalkarindji - WDL231-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators			
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)		
Kalkarindji																				
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/01/2017 0:00	8.36	558	3.5	40	41	54.3	12	311	4.1	6.2	1.6	11.9	1.4	2.9	1,090	310		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/07/2017 16:45	8.03	910	<0.1	<10	72	135	87	2270	20	15	<0.1	35.05	<0.1	5.2	880	30		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	16/01/2018 16:08	8.62	750	0.45	<10	78	66	21	270	3.8	7.5	1.49	12.79	1.8	2.4	1,580	840		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	17/07/2018 0:00	8.77	850	1.09	11	86	120	63	1760	7.7	8.9	1.82	18.42	2	3.4	100	520		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	15/01/2019 8:51	8.67	880	<0.1	<10	33	31	21	496	6.8	6	0.68	13.48	2	3.3	100	1,690		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	16/07/2019 06:29:00	8.94	1,000	5.21	53.0	100	130	38.0	2,670	0.4	13.0	2.02	15.42	2.1	4.6	323	213		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	21/01/2020 08:50:32	8.43	960	<0.1	<10	86	76	41.0	480	4.2	8.2	3.03	15.43	2.2	3.5	1,210	2,430		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	19/05/2020 08:01:05	8.43	1,100	<0.1	<10	46	67	35.0	972	15.0	7.0	0.71	22.71	3.5	5.0	50	50		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	21/07/2020 08:09:35	8.36	1,200.0	<0.1	<10	26.0	28.0	20.0	<1	10.0	4.3	1.16	15.46	4.0	5.3	200	100		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/08/2020 08:30:17	8.61	610	<0.1	<10	55	78	24.0	800.0	14.0	8.7	<0.1	22.75	2.6	5.0				
SKJ090	Wq-Kalkarindji Pond 4 Outlet	20/10/2020 00:00:00	8.54	1,100.0	<0.1	<10	94.0	156.0	40.0	3,670.0	8.2	15.0	<0.1	23.25	2.3	5.6	218	733		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	19/01/2021 15:30:26	8.78	940.0	1.18	12.0	84.0	107.0	23.0	1,050.0	1.4	8.8	1.8	12	1.6	3.3				
SKJ090	Wq-Kalkarindji Pond 4 Outlet	23/03/2021 09:21:35	8.57	810.0	2.76	26.0	51.0	128.0	58.0	2,940.0	7.5	12.0	0.3	19.8	2.4	4.3	2,380	6,830		
SKJ090	Wq-Kalkarindji Pond 4 Outlet	20/04/2021 08:04:00	8.83	850.0	2.89	32.0	42.0	97.0	33.0	1,560.0	6.2	8.3	0.1	14.6	0.9	2.9	46,110	2,560		
No. of Samples			14															12		
Mean			8.6	894.1	1.25	15	64	91	36.86	1374.96	7.81	9.21	1.06	18.08	2.06	4.05	4,520	1,359		
Median			8.6	895.0	0.25	5	64	88	34.00	1011.00	7.15	8.50	0.94	15.45	2.05	3.90	602	627		
Median Dry Season			8.5	1000.0	0.05	5	72	120	38.00	1760.00	10.00	8.90	0.71	22.71	2.30	5.00	209	157		
Median Wet Season			8.6	850.0	1.18	12	51	76	23.00	496.00	4.20	8.20	1.49	13.48	1.80	3.30	1,395	2,060		
95th Percentile			8.9	1135.0	4.10	45	96	142	71.40	3195.50	16.75	15.00	2.37	27.38	3.68	5.41	22,059	4,482		

Table 12 Monitoring Results (Physical/Chemical) - Maningrida - WDL203-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SMN090	Wq-Maningrida Pond 3 Outlet	18/07/2017 16:54	7.47	350	<0.1	<10	26	23	14	243	13	6.1	<0.1	19.15	2.9	4
SMN090	Wq-Maningrida Pond 3 Outlet	15/08/2017 0:00	7.36	350	0.26	<10		380	180		9.3	47	<0.1	56.35	3.3	9.1
SMN090	Wq-Maningrida Pond 3 Outlet	19/09/2017 0:00	7.97	380				90	28		11	11	<0.1	22.05	3	4.6
SMN090	Wq-Maningrida Pond 3 Outlet	26/09/2017 0:00	9.05	350				52	14		7.7	9.3	0.14	17.14	2.5	3.7
SMN090	Wq-Maningrida Pond 3 Outlet	17/10/2017 0:00	7.65	340				40	17		6	8	<0.1	14.05	2.8	3.4
SMN090	Wq-Maningrida Pond 3 Outlet	21/11/2017 0:00	8.25	320				83	34		4.6	13	<0.1	17.65	2.8	4.4
SMN090	Wq-Maningrida Pond 3 Outlet	19/12/2017 16:07	7.4	320				62	37		6.1	16	<0.1	22.15	2.8	3.8
SMN090	Wq-Maningrida Pond 3 Outlet	9/01/2018 16:42	8.89	310	143	12	110	97	52	489	7	16	<0.1	23.05	2.9	4.6
SMN090	Wq-Maningrida Pond 3 Outlet	20/02/2018 0:00	8.11	260				60	36		9.2	10	0.1	19.3	1.7	1.6
SMN090	Wq-Maningrida Pond 3 Outlet	20/03/2018 0:00	8.11	280				47	44		11	10	<0.1	21.05	2.4	3.8
SMN090	Wq-Maningrida Pond 3 Outlet	17/04/2018 16:33	7.61	290				37	5.1		9.5	8.7	<0.1	18.25	2.1	3.3
SMN090	Wq-Maningrida Pond 3 Outlet	15/05/2018 0:00	7.96	320				33	12		8	12	0.23	20.23	2	3.7
SMN090	Wq-Maningrida Pond 3 Outlet	17/07/2018 0:00	7.64	460	<0.1	<10	82	93	33	287	19	11	<0.1	30.05	4.1	5.7
SMN090	Wq-Maningrida Pond 3 Outlet	15/01/2019 8:41	8.11	250	7.1	84	89	63	21	116	6.6	10	<0.1	16.65	2.5	3.7
SMN090	Wq-Maningrida Pond 3 Outlet	16/07/2019 06:42:00	8.02	400	7.27	78.0	64	80	17.0	1250	12.0	10.0	0.26	22.26	2.2	4.0
SMN090	Wq-Maningrida Pond 3 Outlet	21/01/2020 09:00:00	7.74	320	7.02	76.0	130	90	31.0	876	8.5	13.0	<0.1	21.55	2.6	4.3
SMN090	Wq-Maningrida Pond 3 Outlet	21/07/2020 10:01:21	7.62	420.0	0.99	10.0	100.0	110.0	36.0	854.0	8.9	12.0	0.13	21.03	2.6	5.0
SMN090	Wq-Maningrida Pond 3 Outlet	11/08/2020 10:40:00	8.92	410	5.55	62	77	78	18.0	292.0	9.9	9.2	0.15	19.25	2.4	4.6
SMN090	Wq-Maningrida Pond 3 Outlet	15/09/2020 09:30:00	7.62	380	0.6	5	120	115	14.0	1,030	6.3	11.0	<0.1	17.35	1.6	4.4
SMN090	Wq-Maningrida Pond 3 Outlet	20/10/2020 11:10:00	7.85	360.0	2.38	21.0	180.0	103.0	20.0	218.0	3.3	14.0	0.5	17.8	2.7	4.2
SMN090	Wq-Maningrida Pond 3 Outlet	17/11/2020 10:15:00	7.28	380.0	0.5	<10	80.0	58.0	15.0	89.0	6.9	8.3	<0.1	15.25	3.0	4.1
SMN090	Wq-Maningrida Pond 3 Outlet	08/12/2020 10:43:00	7.37	420.0	0.14	<10	150.0	107.0	52.0	643.0	15.0	13.0	<0.1	28.05	2.5	5.2
SMN090	Wq-Maningrida Pond 3 Outlet	20/01/2021 09:43:04	7.66	280.0	6.43	66.0	160.0	113.0	16.0	1,820.0	7.8	15.0	0.1	22.9	1.5	3.3
SMN090	Wq-Maningrida Pond 3 Outlet	16/03/2021 08:10:00	7.25	290.0	0.53	10.0	150.0	80.0	54.0	429.0	9.3	12.0	0.1	21.4	2.5	4.1
SMN090	Wq-Maningrida Pond 3 Outlet	20/04/2021 08:00:00	7.06	310.0	0.78	<10	190.0	120.0	51.0	515.0	11.0	13.0	<0.1	24.05	2.8	4.6
SMN090	Wq-Maningrida Pond 3 Outlet	15/06/2021 09:20:39	7.57	380.0	2.23	24.0	94.0	116.0	18.0	710.0	17.0	9.9	<0.1	26.95	3.0	4.6
No. of Samples			34													
Mean			7.9	336	10.23	35	103	81	31.21	568	9.50	12.16	0.10	21.76	2.51	4.19
Median			7.6	330	1.61	11	94	76	22.50	429	9.05	11.00	0.05	21.04	2.50	4.10
Median Dry Season			7.6	351	0.99	10	80	77	18.50	316	10.45	11.00	0.05	21.14	2.45	4.10
Median Wet Season			7.7	290	3.61	11	130	80	36.00	502	7.80	13.00	0.05	21.40	2.40	3.80
95th Percentile			9.0	420	18.55	87	181	117	52.7	1307	17.35	17.05	0.27	28.75	3.44	5.38
% Removal									62%		60%			41%		7%

Note: Monitoring data utilised in the report is available data for the period of June 2016 – June 2021. For visual representative purposes data prior to 2017 is absent in above table – please refer to attached spreadsheet for more information.

Table 13 Monitoring Results (Bacteriological) - Maningrida - WDL203-3

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SMN090	Wq-Maningrida Pond 3 Outlet	21/03/2017 13:15	4,650	1,480
SMN090	Wq-Maningrida Pond 3 Outlet	19/04/2017 9:30	200	248,100
SMN090	Wq-Maningrida Pond 3 Outlet	16/05/2017 11:30	410	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	20/06/2017 8:45	750	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	18/07/2017 9:59	414	24,197
SMN090	Wq-Maningrida Pond 3 Outlet	15/08/2017 11:00	750	300
SMN090	Wq-Maningrida Pond 3 Outlet	19/12/2017 8:28	300	1,986,300
SMN090	Wq-Maningrida Pond 3 Outlet	9/01/2018 11:21	309	24,197
SMN090	Wq-Maningrida Pond 3 Outlet	20/02/2018 10:45	1,210	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	20/03/2018 11:47	4,350	241,960
SMN090	Wq-Maningrida Pond 3 Outlet	17/04/2018 9:42	77,010	850
SMN090	Wq-Maningrida Pond 3 Outlet	15/05/2018 10:57	410	310
SMN090	Wq-Maningrida Pond 3 Outlet	24/07/2018 9:38	1,725	12,997
SMN090	Wq-Maningrida Pond 3 Outlet	15/01/2019 11:08	2,460	104,620
SMN090	Wq-Maningrida Pond 3 Outlet	16/07/2019 11:45:00	256	41
SMN090	Wq-Maningrida Pond 3 Outlet	21/01/2020 09:00:00	1,450	241,960
SMN090	Wq-Maningrida Pond 3 Outlet	21/07/2020 10:00:00	1,600	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	11/08/2020 10:40:00	410	310
SMN090	Wq-Maningrida Pond 3 Outlet	15/09/2020 09:30:00	3,500	241,960
SMN090	Wq-Maningrida Pond 3 Outlet	20/10/2020 11:10:00	310	241,960
SMN090	Wq-Maningrida Pond 3 Outlet	17/11/2020 10:15:00	970	4,800
SMN090	Wq-Maningrida Pond 3 Outlet	08/12/2020 10:43:00	5,460	24,810
SMN090	Wq-Maningrida Pond 3 Outlet	20/01/2021 09:43:00	3,230.0	198,630.0
SMN090	Wq-Maningrida Pond 3 Outlet	02/02/2021 09:30:00	241,961	6,700
SMN090	Wq-Maningrida Pond 3 Outlet	17/03/2021 08:10:00	3,840	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	20/04/2021 12:00:00	7,940	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	15/06/2021 09:30:00	6,630	2,990
SMN090	Wq-Maningrida Pond 3 Outlet	29/06/2021 10:06:00	30,760	141,360
No. of Samples			34	
Mean			12,123	234,512
Median			1,502	108,305
Median Dry Season			3,030	11,103
Median Wet Season			7,006	6,450
95th Percentile			46,947	856,470
Log Reduction			2.8	0.5

Table 14 Monitoring Results - Manthathpe - WDL201-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators			
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)		
Manthathpe																				
SMP090	Wq-Manthathpe Pond 2 Outlet	17/01/2017 0:00	7.85	134	5.9	68	160	86.7	36	461	2.6	8	<0.1	10.65	0.63	2.4	17,230	1,750		
SMP090	Wq-Manthathpe Pond 2 Outlet	12/07/2017 13:31	7.26	190	<0.1	<10	380	255	79	1,030	0.7	23	<0.1	23.75	0.4	3.1	4,100	100		
SMP090	Wq-Manthathpe Pond 2 Outlet	10/01/2018 13:01	7.58	190	<0.1	<10	200	120	41	653	0.6	14	<0.1	14.65	0.8	2.6	9,340	520		
SMP090	Wq-Manthathpe Pond 2 Outlet	11/07/2018 9:29	7.02	170	<0.1	<10	82	110	28	420	1.7	6.5	<0.1	8.25	0.2	1.6	310	100		
SMP090	Wq-Manthathpe Pond 2 Outlet	9/01/2019 13:05	8.47	230	<0.1	<10	460	165	100	1,830	0.9	23	<0.1	23.95	0.9	3.4	2,160	410		
SMP090	Wq-Manthathpe Pond 2 Outlet	10/07/2019 10:29:00	7.92	270	1.91	22	660	260	160.0	3,080	0.3	34.0	<0.1	34.35	1.2	5.3	2,490	100		
SMP090	Wq-Manthathpe Pond 2 Outlet	22/01/2020 12:18:00	7.4	190	2.72	30	240	115	60.0	988	1.2	13.0	<0.1	14.25	0.8	2.3	9,090	1,550		
SMP090	Wq-Manthathpe Pond 2 Outlet	15/07/2020 08:00:42	7.42	240.0	<0.1	<10	270.0	130.0	25.0	1,440.0	0.8	16.0	<0.1	16.85	0.9	2.6	630	50		
SMP090	Wq-Manthathpe Pond 2 Outlet	12/08/2020 06:50:53	8.34	270	<0.1	<10	360	177	72.0	1,180.0	1.2	18.0	<0.1	19.25	1.1	3.4	1,220	2,810		
SMP090	Wq-Manthathpe Pond 2 Outlet	09/09/2020 07:50:00	9.13	270	<0.1	<10	270	137	80.0	1,010	0.4	16.0	0.13	16.53	1.3	2.6	1,090	6,200		
SMP090	Wq-Manthathpe Pond 2 Outlet	14/10/2020 08:10:41	7.6	260	1.98	21	420	180	85.0	1,440	0.8	21.0	<0.1	21.85	0.8	3.1	14,136	1,421		
SMP090	Wq-Manthathpe Pond 2 Outlet	11/11/2020 07:50:00	7.66	270.0	0.18	<10	800.0	2,001.0	460.0	13,700.0	1.7	54.0	0.1	55.8	1.5	24.7	20,460	32,550		
SMP090	Wq-Manthathpe Pond 2 Outlet	09/12/2020 08:00:00	7.28	220.0	0.27	<10	270.0	108.0	45.0	552.0	0.7	14.0	0.1	14.8	0.6	2.0	5,040	630		
SMP090	Wq-Manthathpe Pond 2 Outlet	13/01/2021 07:30:00	7.52	160.0	1.14	12.0	140.0	67.0	25.0	414.0	0.5	8.4	<0.1	8.95	0.6	1.3	500	50		
SMP090	Wq-Manthathpe Pond 2 Outlet	10/02/2021 08:10:38	6.87	94.0	1.83	19.0	50.0	20.0	17.0	256.0	1.1	3.9	<0.1	5.05	0.2	0.8	200	100		
SMP090	Wq-Manthathpe Pond 2 Outlet	10/03/2021 07:10:12	6.89	92.0	0.59	<10	40.0	32.0	22.0	333.0	1.1	5.0	<0.1	6.15	0.2	1.2	740	410		
SMP090	Wq-Manthathpe Pond 2 Outlet	14/04/2021 07:40:00	6.72	90.0	0.33	<10	74.0	64.0	18.0	504.0	1.4	5.8	<0.1	7.25	0.2	1.0	8,164	223		
SMP090	Wq-Manthathpe Pond 2 Outlet	12/05/2021 07:40:00	7.04	110.0	1.76	18.0	100.0	80.0	22.0	648.0	0.3	12.0	<0.1	12.35	0.2	1.5	315	187		
SMP090	Wq-Manthathpe Pond 2 Outlet	09/06/2021 07:40:00	7.06	150.0	0.74	<10	100.0	88.0	33.0	570.0	0.4	11.0	<0.1	11.45	0.4	1.7	1,658	223		
		No. of Samples	19																19	
		Mean	7.5	189	1.04	13	267	221	74.11	1,606	0.97	16.14	0.06	17.16	0.68	3.51	5,204	2,599		
		Median	7.4	190	0.33	5	240	115	41.00	653	0.80	14.00	0.05	14.65	0.63	2.40	2,160	410		
		Median Dry Season	7.4	240	0.05	5	270	137	72.00	1,030	0.70	16.00	0.05	16.85	0.80	2.60	2,883	1,243		
		Median Wet Season	7.4	160	0.33	5	160	87	36.00	504	1.10	8.40	0.05	10.65	0.60	2.00	5,040	410		
		95th Percentile	8.5	270	3.04	34	674	434	190.00	4,142	1.79	36.00	0.10	36.49	1.32	7.24	17,553	8,835		
		% Removal							-77%		80%			-13%		-70%				
		Log Reduction															2.0			

Table 15 Monitoring Results - Milikapiti - WDL217-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators			
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)		
Milikapiti																				
SMI090	Wq-Milikapiti Pond 3 Outlet	2/03/2016 0:00	7.77	380	3.05	37	57	73.3	28	395	13	8.4	<0.1	21.45	3.5	3.8	520	50		
SMI090	Wq-Milikapiti Pond 3 Outlet	6/07/2016 0:00	8.19	336	7.7	89	48	75	36	1,098	21	9.7	0.28	30.98	2.6	3.3	847	132		
SMI090	Wq-Milikapiti Pond 3 Outlet	4/01/2017 0:00	7.67	288	0.99	12	67	83.3	24	1,404	11	7.4	0.11	18.51	2	3.7	3,448	1,232		
SMI090	Wq-Milikapiti Pond 3 Outlet	4/07/2017 16:36	7.93	520	<0.1	<10	46	73	10	707	30	5	<0.1	35.05	3.9	5.2	3,840	410		
SMI090	Wq-Milikapiti Pond 3 Outlet	2/01/2018 14:11	7.78	240	<0.1	<10	75	163	63	526	9.4	8.1	<0.1	17.55	0.8	2.6	630	198,630		
SMI090	Wq-Milikapiti Pond 3 Outlet	3/07/2018 14:33	7.63	430	<0.1	<10	18	30	24	240	24	9.7	<0.1	33.75	3	3.7	50	50		
SMI090	Wq-Milikapiti Pond 3 Outlet	2/01/2019 15:12	7.56	380	<0.1	<10	52	44	30	312	19	10	<0.1	29.05	3	4.5	146	64,880		
SMI090	Wq-Milikapiti Pond 3 Outlet	02/07/2019 00:00:00	7.63	370	7.81	83	58	70	27.0	481	18.0	7.2	<0.1	25.25	2.2	3.4	2,010	43,520		
SMI090	Wq-Milikapiti Pond 3 Outlet	01/10/2019 08:00:00	7.49	440	60.4	<10	69	55	25.0	2,080	19.0	10.0	<0.1	29.05	3.5	4.7	3,640	1,090		
SMI090	Wq-Milikapiti Pond 3 Outlet	07/01/2020 12:56:59	8.06	360	7.18	84	58	72	23.0	1,000	15.0	8.1	<0.1	23.15	2.7	3.8	11,620	2,720		
SMI090	Wq-Milikapiti Pond 3 Outlet	07/04/2020 07:15:15	7.86	330	5.75	57	32	30	<1	319	13.0	5.4	<0.1	18.45	2.0	2.7	6,770	1,340		
SMI090	Wq-Milikapiti Pond 3 Outlet	07/07/2020 09:16:00	7.27	360	<0.1	<10	66.0	60.0	25.0	691.0	16.0	8.1	<0.1	24.15	2.3	3.4	860	3,840		
SMI090	Wq-Milikapiti Pond 3 Outlet	03/11/2020 08:25:00	7.23	370	<0.1	<10	38.0	55.0	21.0	558.0	16.0	7.0	<0.1	23.05	2.6	3.3	6,020	1,730		
SMI090	Wq-Milikapiti Pond 3 Outlet	05/01/2021 09:30:21	7.33	350	0.18	<10	120.0	975.0	26.0	817.0	15.0	6.7	<0.1	21.75	1.9	3.4	15,650	11,980		
SMI090	Wq-Milikapiti Pond 3 Outlet	06/04/2021 08:31:00	7.08	310	2.32	22.0	86.0	124.0	17.0	1,340.0	16.0	7.8	<0.1	23.85	2.3	3.4	13,140	1,090		
No. of Samples			15															15		
Mean			7.6	364	6.38	28	59	132	25.30	798	17.03	7.91	0.07	25.00	2.55	3.66	4,613	22,180		
Median			7.6	360	0.99	5	58	72	25.00	691	16.00	8.10	0.05	23.85	2.60	3.40	3,448	1,340		
Average Dry Season			7.6	400	3.88	5	53	65	25.00	699	20.00	8.90	0.05	30.02	2.80	3.55	1,435	750		
Average Wet Season			7.7	350	0.99	12	58	73	24.00	558	15.00	7.80	0.05	21.75	2.30	3.40	6,020	1,730		
95th Percentile			8.1	464	23.59	86	96	407	44.10	1607	25.80	10.00	0.16	34.14	3.62	4.85	13,893	105,000		

Table 16 Monitoring Results (Physical/Chemical) - Milingimbi - WDL208-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SML090	Wq-Milingimbi Pond 3 Outlet	20/06/2017 0:00	7.32	1000	<0.1	<10	47	62	69	685	35	12	<0.1	47.1	5	6
SML090	Wq-Milingimbi Pond 3 Outlet	18/07/2017 16:57	7.37	1000	<0.1	<10	68	55	85	1210	32	15	<0.1	47.1	5.5	7.5
SML090	Wq-Milingimbi Pond 3 Outlet	15/08/2017 0:00	8.14	1000	9.08	110		150	83		25	17	<0.1	42.1	6.3	8.6
SML090	Wq-Milingimbi Pond 3 Outlet	19/09/2017 0:00	7.62	920				116	30		20	14	<0.1	34.1	5.2	7.8
SML090	Wq-Milingimbi Pond 3 Outlet	21/11/2017 0:00	8.39	830				110	22		20	8.1	<0.1	28.2	4.9	6.5
SML090	Wq-Milingimbi Pond 3 Outlet	19/12/2017 16:10	7.53	940				58	20		29	11	<0.1	40.1	5.7	6.2
SML090	Wq-Milingimbi Pond 3 Outlet	16/01/2018 16:03	7.44	960	<0.1	<10	69	63	51	691	26	9.7	<0.1	35.8	5.2	6.3
SML090	Wq-Milingimbi Pond 3 Outlet	20/03/2018 0:00	7.17	670	<0.1	<10	52	72	55	1350	9	10	<0.1	19.1	1.8	3.2
SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2018 16:09	7.62	970	<0.1	<10	86	90	29	703	29	11	<0.1	40.1	5.3	6.7
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2018 0:00	7.57	910	<0.1	<10	97	93	45	732	26	12	<0.1	38.1	5.5	5.5
SML090	Wq-Milingimbi Pond 3 Outlet	15/01/2019 8:36	7.42	370	<0.1	<10	87	100	31	706	21	10	<0.1	31.1	3.6	5
SML090	Wq-Milingimbi Pond 3 Outlet	16/07/2019 06:22:00	7.5	880	<0.1	<10	240.0	115.0	35.0	829	37.0	13.0	<0.1	50.1	5.2	7.6
SML090	Wq-Milingimbi Pond 3 Outlet	21/01/2020 09:03:31	7.45	890	<0.1	<10	110.0	78.0	68.0	1240	12.0	11.0	<0.1	23.1	4.5	6.1
SML090	Wq-Milingimbi Pond 3 Outlet	21/07/2020 08:00:06	7.48	970.0	<0.1	<10	310.0	160.0	110.0	2,710.0	28.0	19.0	<0.1	47.1	4.7	7.8
SML090	Wq-Milingimbi Pond 3 Outlet	01/09/2020 09:10:00	7.57	930.0	<0.1	<10	110.0	120.0	49.0	1,960.0	25.0	15.0	<0.1	40.1	4.5	7.2
SML090	Wq-Milingimbi Pond 3 Outlet	08/09/2020 09:35:00	7.42	910.0	<0.1	<10	170.0	117.0	69.0	1,650.0	28.0	15.0	<0.1	43.1	5.0	7.1
SML090	Wq-Milingimbi Pond 3 Outlet	27/10/2020 08:35:42	9.2	860.0	148.0	18.0	130.0	80.0	76.0	290.0	21.0	11.0	<0.1	32.1	4.7	6.1
SML090	Wq-Milingimbi Pond 3 Outlet	03/11/2020 08:30:00	7.38	970.0	<0.1	<10	100.0	60.0	56.0	752.0	24.0	16.0	<0.1	40.1	5.1	6.1
SML090	Wq-Milingimbi Pond 3 Outlet	17/11/2020 08:45:00	7.23	970.0	0.2	<10	210.0	97.0	53.0	760.0	26.0	11.0	<0.1	37.1	5.5	7.8
SML090	Wq-Milingimbi Pond 3 Outlet	15/12/2020 09:05:26	7.23	870.0	0.13	<10	100.0	65.0	30.0	913.0	23.0	8.2	<0.1	31.3	4.9	6.0
SML090	Wq-Milingimbi Pond 3 Outlet	20/01/2021 09:30:44	7.3	1,400.0	0.13	<10	250.0	133.0	80.0	1,060.0	25.0	9.3	<0.1	34.4	3.2	4.7
SML090	Wq-Milingimbi Pond 3 Outlet	02/02/2021 15:00:24	7.32	1,200.0	0.55	<10	190.0	63.0	31.0	838.0	13.0	7.4	<0.1	20.5	1.7	3.0
SML090	Wq-Milingimbi Pond 3 Outlet	17/03/2021 08:25:00	6.93	990.0	0.47	<10	170.0	160.0	170.0	749.0	17.0	19.0	<0.1	36.1	3.1	5.2
SML090	Wq-Milingimbi Pond 3 Outlet	20/04/2021 09:25:00	7.25	1,000.0	0.31	10.0	140.0	82.0	51.0	848.0	15.0	8.0	0.1	23.1	2.2	3.5
SML090	Wq-Milingimbi Pond 3 Outlet	18/05/2021 17:00:32	7.34	1,100.0	0.51	<10	170.0	100.0	31.0	1,260.0	20.0	10.0	<0.1	30.1	3.1	4.7
SML090	Wq-Milingimbi Pond 3 Outlet	15/06/2021 08:30:08	7.44	760.0	0.16	<10	300.0	136.0	48.0	1,340.0	23.0	14.0	0.1	37.1	3.3	5.5
No. of Samples			36													
Mean			7.50	943.56	6.41	9.92	144.42	110.22	54.39	1120.71	22.17	12.24	0.06	34.47	4.20	5.79
Median			7.42	970.00	0.05	5.00	125.00	98.50	50.00	880.50	23.00	11.00	0.05	36.55	4.70	6.10
Median Dry Season			7.55	971.00	0.05	5.00	135.00	117.00	53.00	1235.00	25.00	14.00	0.05	40.05	5.00	6.90
Median Wet Season			7.36	960.00	0.13	5.00	100.00	72.00	44.00	760.00	23.00	10.00	0.05	31.25	3.80	4.70
95th Percentile			8.20	1210.00	7.37	16.40	292.50	186.50	98.00	2084.95	33.50	19.00	0.10	47.80	5.75	7.80
% Removal											46%	26%			18%	-8%

Note: Monitoring data utilised in the report is available data for the period of June 2016 – June 2021. For visual representative purposes data prior to 2017 is absent in above table – please refer to attached spreadsheet for more information

Table 17 Monitoring Results (Bacteriological) - Milingimbi - WDL208-3

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SML090	Wq-Milingimbi Pond 3 Outlet	19/09/2017 9:45	24,197	19,863
SML090	Wq-Milingimbi Pond 3 Outlet	24/10/2017 10:10	43,520	64,880
SML090	Wq-Milingimbi Pond 3 Outlet	21/11/2017 11:00	41,060	410
SML090	Wq-Milingimbi Pond 3 Outlet	19/12/2017 10:00	198,630	520
SML090	Wq-Milingimbi Pond 3 Outlet	16/01/2018 10:30	241,960	645
SML090	Wq-Milingimbi Pond 3 Outlet	20/02/2018 10:00	155,310	15,290
SML090	Wq-Milingimbi Pond 3 Outlet	20/03/2018 9:30	173,290	3,130
SML090	Wq-Milingimbi Pond 3 Outlet	17/04/2018 10:30	241,961	1,090
SML090	Wq-Milingimbi Pond 3 Outlet	15/05/2018 10:00	17,850	50
SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2018 9:50	104,620	310
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2018 8:30	98,040	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	15/01/2019 9:30	241,961	14,010
SML090	Wq-Milingimbi Pond 3 Outlet	3/05/2019 12:00	72,700	26,130
SML090	Wq-Milingimbi Pond 3 Outlet	16/07/2019 09:40:00	120,330	200
SML090	Wq-Milingimbi Pond 3 Outlet	21/01/2020 08:30:00	43,520	4,390
SML090	Wq-Milingimbi Pond 3 Outlet	21/07/2020 08:25:00	104,300	1,000
SML090	Wq-Milingimbi Pond 3 Outlet	01/09/2020 09:15:00	150,000	13,760
SML090	Wq-Milingimbi Pond 3 Outlet	08/09/2020 09:30:00	198,630	29,090
SML090	Wq-Milingimbi Pond 3 Outlet	27/10/2020 08:50:00	86,640	200
SML090	Wq-Milingimbi Pond 3 Outlet	03/11/2020 08:30:00	173,290	3,180
SML090	Wq-Milingimbi Pond 3 Outlet	17/11/2020 08:20:00	57,480	111,990
SML090	Wq-Milingimbi Pond 3 Outlet	15/12/2020 09:10:00	129,970	4,800
SML090	Wq-Milingimbi Pond 3 Outlet	20/01/2021 09:30:00	241,961	24,810.0
SML090	Wq-Milingimbi Pond 3 Outlet	02/02/2021 09:30:00	241,961	6,700.0
SML090	Wq-Milingimbi Pond 3 Outlet	17/03/2021 08:30:00	204,600	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	20/04/2021 09:20:00	461,100	19,560
SML090	Wq-Milingimbi Pond 3 Outlet	18/05/2021 07:40:00	127,400	410
SML090	Wq-Milingimbi Pond 3 Outlet	15/06/2021 08:50:00	1,299,700	10,710
No. of Samples			40	
Mean			180,227	46,237
Median			129,970	6,700
Median Wet Season			129,970	4,410
Median Dry Season			120,330	12,110
95th Percentile			420,000	241,961
Log Reduction			1.2	0.2

Note: Monitoring data utilised in the report is available data for the period of June 2015 – June 2021. For visual representative purposes data prior to 2016 is absent in above table – please refer to attached spreadsheet for more information

Table 18 Monitoring Results - Minjilang - WDL233-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators			
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	<i>E. coli</i> (cfu/100mL)	Enterococci (cfu/100ml)		
Minjilang																				
SMJ090	Wq-Minjilang Pond 2 Outlet	4/01/2017 0:00	7.17	228	<0.1	<10	51	36.7	24	241	3.8	6	<0.1	9.85	1.5	2.7	11,300	200		
SMJ090	Wq-Minjilang Pond 2 Outlet	4/07/2017 16:32	7.91	360	1.5	16	91	95	14	826	6.4	10	<0.1	16.45	1.3	2.9	27,550	2,810		
SMJ090	Wq-Minjilang Pond 2 Outlet	2/01/2018 14:14	7.46	350	3.34	39	54	42	52	368	6.8	9.6	<0.1	16.45	2.9	4.2	2,410	2,280		
SMJ090	Wq-Minjilang Pond 2 Outlet	11/01/2018 15:17	7.03	310	0.1	<10	43	52	21	290	5.9	6.9	<0.1	12.85	2.1	3.1	1,210	29,090		
SMJ090	Wq-Minjilang Pond 2 Outlet	3/07/2018 14:28	7.2	450	<0.1	<10	86	83	35	1390	12	12	<0.1	24.05	3.3	4.8	6,440	300		
SMJ090	Wq-Minjilang Pond 2 Outlet	2/01/2019 15:17	7.55	320	5.23	57	120	167	28	875	6.7	16	<0.1	22.75	1.9	3.9	3,410	410		
SMJ090	Wq-Minjilang Pond 2 Outlet	30/04/2019 16:00															2,750	200		
SMJ090	Wq-Minjilang Pond 2 Outlet	06/08/2019 07:16:00	7.85	360	7.87	85	110.0	195	55.0	2080	5.2	16.0	<0.1	21.25	3.1	6.8	4,810	7,380		
SMJ090	Wq-Minjilang Pond 2 Outlet	07/01/2020 13:00:06	6.99	270	<0.1	<10	78	60	25.0	266	9.5	7.2	<0.1	16.75	1.8	2.6	11,000	410		
SMJ090	Wq-Minjilang Pond 2 Outlet	07/04/2020 07:05:30	7.13	280	1.79	18	45	60	<1	627	6.0	6.2	<0.1	12.25	1.4	2.0	556	54,750		
SMJ090	Wq-Minjilang Pond 2 Outlet	07/07/2020 08:30:00	7.18	410.0	<0.1	<10	96.0	78.0	38.0	983.0	12.0	9.5	<0.1	21.55	2.4	2.9	8,360	1,870		
SMJ090	Wq-Minjilang Pond 2 Outlet	06/10/2020 09:00:00	7.63	450	2.59	32	120	160	37.0	812	2.2	18.0	<0.1	20.25	2.1	3.7	100	29,090		
SMJ090	Wq-Minjilang Pond 2 Outlet	05/01/2021 07:45:55	6.98	180.0	0.11	<10	64.0	58.0	23.0	118.0	2.8	5.5	<0.1	8.35	0.7	1.7	2,010	100		
SMJ090	Wq-Minjilang Pond 2 Outlet	06/04/2021 08:10:00	7.03	140.0	3.14	31.0	21.0	28.0	13.0	232.0	1.5	2.5	<0.1	4.05	0.2	0.8	750	241,961		
		No. of Samples	13															14		
		Mean	7.3	316	1.99	24	75	86	28.12	701	6.22	9.65	0.05	15.91	1.90	3.24	5,904	26,489		
		Median	7.2	320	1.50	16	78	60	25.00	627	6.00	9.50	0.05	16.45	1.90	2.90	3,080	2,075		
		Average Dry Season	7.6	410	1.50	16	96	95	37.00	983	6.40	12.00	0.05	21.25	2.40	3.70	6,440	2,810		
		Average Wet Season	7.0	270	0.11	5	54	52	24.00	266	5.90	6.90	0.05	12.85	1.80	2.70	2,410	410		
		95th percentile	7.9	450	6.29	68	120	178	53.20	1,666	12.00	16.80	0.05	23.27	3.18	5.60	16,988	120,274		

Table 19 Monitoring Results - Nauiyu - WDL207-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	<i>E. coli</i> (cfu/100mL)	Enterococci (cfu/100mL)
SNN090	Wq-Nauiyu Pond 2 Outlet	19/09/2012 0:00	7.64	812				320	100		22	23	<0.1	45.05	2.5	6.6	141,360	173,290
SNN090	Wq-Nauiyu Pond 2 Outlet	10/10/2012 0:00	7.85	834				76.7	44		27	7.8	<0.1	34.85	3.5	4.5	173,290	6,310
SNN090	Wq-Nauiyu Pond 2 Outlet	14/11/2012 0:00	7.5	716				46	20		23	5.5	<0.1	28.55	3.2	3.9	74,900	3,640
SNN090	Wq-Nauiyu Pond 2 Outlet	16/09/2015 0:00	7.65	780	4.18	48	45	56	34	77	30	6.9	<0.1	36.95	3.1	4.5	51,720	1,460
SNN090	Wq-Nauiyu Pond 2 Outlet	20/04/2016 0:00	7.54	702				200	14		25	6.2	<0.1	31.43	3.2	3.8	241,961	141,360
SNN090	Wq-Nauiyu Pond 2 Outlet	19/07/2016 0:00	8.02	696	6.11	70	71	80	31	580	24	8.9	0.23	32.95	2.5	4	198,630	2,980
SNN090	Wq-Nauiyu Pond 2 Outlet	18/01/2017 0:00	7.43	484	1.4	15	28	24	8.6	83	16	3.9	<0.1	19.95	1.8	3.2	104,620	1,460
SNN090	Wq-Nauiyu Pond 2 Outlet	18/07/2017 17:04	7.79	730	0.74	<10	69	50	30	457	25	11	<0.1	36.05	3.7	5.5	24,197	895
SNN090	Wq-Nauiyu Pond 2 Outlet	17/04/2018 0:00	7.36	570	<0.1	<10	58	88	34	205	21	6.1	<0.1	27.15	2.8	3.9	241,961	9,590
SNN090	Wq-Nauiyu Pond 2 Outlet	17/07/2018 9:04	8.85	560	10.5	100	42	43	15	451	14	5.7	<0.1	19.75	1.7	2.3	241,961	2,980
SNN090	Wq-Nauiyu Pond 2 Outlet	15/01/2019 8:55	8.39	340	<0.1	<10	470	1680	81	1820	9.8	17	<0.1	26.85	1.9	9.7	11,530	241,961
SNN090	Wq-Nauiyu Pond 2 Outlet	16/07/2019 06:25:00	8.02	700	7.5	80	17	20	58.0	74	16.0	3.4	<0.1	19.45	3.9	4.3	12,997	241,961
SNN090	Wq-Nauiyu Pond 2 Outlet	21/01/2020 09:40:00	7.84	540	2.5	27	55	40	22.0	365	9.3	6.8	<0.1	16.15	2.9	3.3	92,080	2,380
SNN090	Wq-Nauiyu Pond 2 Outlet	21/04/2020 14:45:05	7.64	630	2.85	30	21	16	4.4	107	20.0	3.7	0.1	23.75	3.0	3.6	111,990	1,180
SNN090	Wq-Nauiyu Pond 2 Outlet	21/07/2020 09:50:16	7.71	670.0	0.8	<10	21.0	30.0	16.0	143.0	14.0	4.1	0.5	18.2	3.3	3.8	24,192	24,192
SNN090	Wq-Nauiyu Pond 2 Outlet	18/08/2020 08:10:49	7.52	720	1.01	10	38	38	25.0	393.0	14.0	5.9	0.1	20.4	3.9	4.9	173,290	5,200
SNN090	Wq-Nauiyu Pond 2 Outlet	15/09/2020 08:15:00	7.57	790	<0.1	10	60	56	19.0	492	19.0	6.7	<0.1	25.8	4.0	5.0	129,970	2,310
SNN090	Wq-Nauiyu Pond 2 Outlet	20/10/2020 12:45:00	7.55	810.0	0.1	5.0	52.0	25.0	27.0	64.0	26.0	4.8	<0.1	30.85	4.4	4.6	129,970	8,300
SNN090	Wq-Nauiyu Pond 2 Outlet	17/11/2020 07:45:00	7.58	720.0	0.18	<10	33.0	26.0	11.0	237.0	25.0	4.3	<0.1	29.35	3.7	5.3	241,961	8,840
SNN090	Wq-Nauiyu Pond 2 Outlet	15/12/2020 09:00:36	7.45	670.0	0.2	<10	43.0	36.0	15.0	134.0	18.0	3.5	<0.1	21.55	3.7	4.1	198,900	11,000
SNN090	Wq-Nauiyu Pond 2 Outlet	19/01/2021 08:55:07	7.31	540.0	0.48	<10	84.0	37.0	15.0	379.0	16.0	5.0	<0.1	21.05	2.6	3.0	325,500	4,200
SNN090	Wq-Nauiyu Pond 2 Outlet	20/04/2021 08:15:00	7.25	710.0	0.57	<10	110.0	49.0	28.0	63.0	29.0	4.5	<0.1	33.5	3.9	4.7	1,553,100	20,640
SNN090	Wq-Nauiyu Pond 2 Outlet	18/05/2021 08:30:54	7.46	850.0	0.34	<10	92.0	100.0	25.0	200.0	34.0	7.2	<0.1	41.25	4.3	5.6	214,300	27,550
SNN090	Wq-Nauiyu Pond 2 Outlet	15/06/2021 09:11:01	7.62	760.0	0.47	<10	39.0	60.0	16.0	152.0	29.0	5.8	<0.1	34.85	3.6	3.7	68,300	1,210
No. of Samples			24														24	
Mean			7.7	681	2.00	22	72	133	28.88	324	21.09	6.99	0.08	28.15	3.21	4.49	199,278	39,370
Median			7.6	706	0.66	5	49	48	23.50	203	21.50	5.85	0.05	27.85	3.25	4.20	135,665	5,755
Median Dry Season			7.7	760	0.80	10	45	56	27.00	200	24.00	6.70	0.05	32.95	3.60	4.50	129,970	5,200
Median Wet Season			7.5	630	0.48	5	55	40	15.00	205	20.00	5.00	0.05	26.85	3.00	3.90	198,900	8,840
95th Percentile			8.3	831	7.65	81	128	302	77.55	642	29.85	16.10	0.21	40.61	4.26	6.45	312,969	231,660
% Removal									-7%		21%			12%		0%		
Log Reduction																	0.9	

Table 20 Monitoring Results - Nganmarriyanga - WDL219-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators		
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	<i>E. coli</i> (cfu/100mL)	Enterococci (cfu/100ml)	
Nganmarriyanga																			
SPA090	Wq-Palumpa Pond 2 Outlet	16/03/2016 0:00	7.48	554	0.67	<10	51	63.3	37	370	15	8.4	<0.1	23.45	2.7	3.3	6,867	1,500	
SPA090	Wq-Palumpa Pond 2 Outlet	19/07/2016 0:00	8.02	804	5.5	64	85	117	44	592	12	12	0.19	24.19	2.5	4.6	54,750	100	
SPA090	Wq-Palumpa Pond 2 Outlet	23/02/2017 0:00	7.56	220	4.38	51	27	43	17	598	3.1	5.5	<0.1	8.65	0.5	1.6	41,060	100	
SPA090	Wq-Palumpa Pond 2 Outlet	18/07/2017 16:52	7.53	750	2.91	28	59	60	31	185	24	9.2	<0.1	33.25	4	6.1	241,961	8,840	
SPA090	Wq-Palumpa Pond 2 Outlet	16/01/2018 16:08	7.91	440	5.51	70	47	70	23	508	7.7	8.1	<0.1	15.85	1.4	2.7	26,130	4,730	
SPA090	Wq-Palumpa Pond 2 Outlet	17/07/2018 9:01	8.11	840	<0.1	<10	69	97	26	593	26	11	<0.1	37.05	4	5.5	30,760	7,540	
SPA090	Wq-Palumpa Pond 2 Outlet	15/01/2019 8:44	7.52	250	<0.1	<10	79	72	27	253	12	8.3	<0.1	20.35	2.2	3.5	46,110	520	
SPA090	Wq-Palumpa Pond 2 Outlet	16/07/2019 06:57:00	7.59	720	<0.1	<10	54	23	30.0	71	18.0	8.4	<0.1	26.45	2.1	2.3	7,270	839	
SPA090	Wq-Palumpa Pond 2 Outlet	15/10/2019 06:34:47	8.11	740	<0.1	<10	100	115	73.0	4870	4.6	11.0	<0.1	15.65	2.9	4.4	32,550	410	
SPA090	Wq-Palumpa Pond 2 Outlet	21/01/2020 08:19:32	7.48	710	<0.1	<10	120	90	44.0	488	15.0	9.1	<0.1	24.15	4.0	4.8	41,060	1,100	
SPA090	Wq-Palumpa Pond 2 Outlet	19/05/2020 10:03:00	7.41	620	<0.1	<10	82	40	43.0	414	18.0	7.0	<0.1	25.05	3.0	4.0	98,040	1,970	
SPA090	Wq-Palumpa Pond 2 Outlet	21/07/2020 10:22:17	7.5	750.0	<0.1	<10	150.0	92.0	45.0	1,190.0	16.0	9.4	<0.1	25.45	3.2	4.7	173,290	3,830	
SPA090	Wq-Palumpa Pond 2 Outlet	20/10/2020 09:00:00	7.8	760.0	<0.1	<10	200.0	133.0	41.0	616.0	16.0	17.0	<0.1	33.05	1.1	4.9	92,080	2,060	
SPA090	Wq-Palumpa Pond 2 Outlet	19/01/2021 09:35:41	7.08	370.0	0.5	<10	38.0	35.0	12.0	96.0	8.8	4.3	<0.1	13.15	1.4	2.0	34,480.0	730.0	
SPA090	Wq-Palumpa Pond 2 Outlet	20/04/2021 09:30:00	7.34	520.0	0.92	10.0	38.0	47.0	20.0	664.0	13.0	5.5	<0.1	18.55	2.3	3.3	8,820	27,550	
SPA090	Wq-Palumpa Pond 2 Outlet	18/05/2021 09:30:25	7.97	580.0	6.1	61.0	50.0	68.0	37.0	818.0	14.0	7.2	<0.1	21.25	2.1	3.3	34,480	11,780	
		No. of Samples	16														16		
		Mean	7.7	602	1.68	21	78	73	34.38	770	13.95	8.84	0.06	22.85	2.46	3.81	60,607	4,600	
		Median	7.5	665	0.28	5	64	69	34.00	550	14.50	8.40	0.05	23.80	2.40	3.75	37,770	1,735	
		Median Dry Season	7.8	750	0.05	5	82	92	41.00	593	16.00	9.40	0.05	25.45	2.90	4.60	54,750	2,060	
		Median Wet Season	7.5	440	0.67	5	47	63	23.00	488	12.00	8.10	0.05	18.55	2.20	3.30	29,218	5,176	
		95th Percentile	8.1	813	5.66	66	163	121	52.00	2110	24.50	13.25	0.09	34.20	4.00	5.65	190,458	15,723	

Table 21 Monitoring Results (Physical/Chemical) - Ngukurr - WDL234-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2017 0:00	8.85	1700				42	16		4.3	2.5	0.18	6.98	0.9	4.1
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2017 0:00	8.3	2000				23	4.6		4.2	3.5	<0.1	7.75	1.3	1.7
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2017 0:00	8.33	2500				12	1.2		4.7	1.7	0.19	6.59	0.6	0.2
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/06/2017 0:00	8.46	2500				30	12		5	3	0.12	8.12	1.3	1.7
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/07/2017 13:47	8.3	2700	2.62	30	25	42	32	400	6.4	3.4	0.11	9.91	0.6	0.7
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/08/2017 15:51	8.36	2800				38	22		6.3	3.8	<0.1	10.15	0.2	1.5
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/09/2017 15:16	8.44	2900				20	9.1		2	2.9	0.14	5.04	1.3	1.8
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/10/2017 0:00	8.57	2900				35	78		2.4	4.4	<0.1	6.85	1.2	2
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/11/2017 16:18	8.56	2600				18	19		3.2	4.3	<0.1	7.55	1.1	1.3
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	23/11/2017 16:04	8.81	2400	10.8	110	32	25	15	137	2.8	5.2	0.13	8.13	1.4	1.8
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/12/2017 16:01	8.55	2400				275	14		3.5	4.6	0.26	8.36	0.8	1.3
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/01/2018 16:10	8.54	2200	<0.1	<10	26	17	11	236	2.9	4.9	<0.1	7.85	1.1	1.5
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/02/2018 15:53	8.13	1800				9	17		2.6	2.3	0.3	5.2	0.9	1
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2018 15:24	9.01	1700				47	18		2.1	8.3	<0.1	10.45	1.5	2
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2018 0:00	8.49	1800				18	28		5.4	4.7	0.3	10.4	1.2	1.7
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2018 15:40	8.47	2000				40	82		2.5	3.2	0.42	6.12	0.2	0.8
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/06/2018 16:34	8.29	2100	<0.1	<10	10	30	5.4	111	2.4	4.9	<0.1	7.35	0.9	1.3
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/07/2018 15:46	8.38	2100	<0.1	<10	13	40	22	2	6.1	3.4	0.24	9.74	0.8	1.2
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/01/2019 14:44	9.12	1200	8.48	93	83	73	28	824	1.5	7.6	<0.1	9.15	1.1	1
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/07/2019 00:00:00	8.67	2,300	3.42	36.0	20	75	12.0	383	1.5	3.9	0.69	6.09	0.6	0.7
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/01/2020 07:31:32	8.74	2,000	<0.1	<10	70	53	20.0	207	2.2	3.8	0.1	6.1	1.0	1.3
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/04/2020 13:13:43	8.3	2600	0.86	10	12	16	8.3	160	5.2	2.9	0.14	8.24	1.1	1.5
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/07/2020 06:50:57	8.27	3,400.0	0.46	<10	13.0	14.0	11.0	269.0	6.3	4.0	0.44	10.74	2.1	2.5
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/10/2020 06:30:02	7.93	1,300.0	<0.1	<10	120.0	137.0	90.0	525.0	16.0	15.0	<0.1	31.05	2.1	5.0
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/01/2021 07:20:19	8.37	1,300.0	0.45	<10	50.0	38.0	10.0	244.0	6.4	5.3	<0.1	11.75	1.6	2.1
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/04/2021 07:00:50	8.72	1,100.0	2.45	26.0	22.0	41.0	11.0	279.0	1.9	4.7	<0.1	6.65	1.1	1.7
No. of Samples			32													
Mean			8.46	2151.52	2.22	25.36	35.68	44.86	20.93	271.50	4.02	4.45	0.18	8.64	1.03	1.65
Median			8.45	2150.00	0.66	7.50	23.50	38.00	14.00	240.00	3.20	3.90	0.12	8.12	1.00	1.50
Median Dry Season			8.37	2335.00	0.26	5.00	16.50	40.00	14.50	326.00	4.55	3.70	0.13	8.29	0.79	1.30
Median Wet Season			8.49	2065.00	1.08	12.50	29.00	40.50	14.00	221.50	3.20	4.65	0.05	8.04	1.05	1.40
95th Percentile			8.92	2900.00	9.29	98.95	95.95	99.80	79.60	629.65	6.40	7.88	0.55	11.14	2.10	3.62
% Removal									62%		60%			57%		30%

Note: Monitoring data utilised in the report is available data for the period of June 2016 – June 2021.

For visual representative purposes data prior to 2017 is absent in above table – please refer to attached spreadsheet for more information

Table 22 Monitoring Results (Bacteriological) - Ngukurr - WDL234-1

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/06/2017 16:30	1,580	50
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/07/2017 9:20	1,112	131
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/08/2017 9:30	2,755	52
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/09/2017 9:10	148	10
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/10/2017 7:15	404	152
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/11/2017 7:40	850	410
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	23/11/2017 11:45	1,600	410
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/12/2017 7:30	3,270	100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/01/2018 7:10	1,211	299
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/02/2018 9:00	75	24,197
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2018 7:15	20	1,750
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2018 7:30	50	50
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2018 7:10	100	100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/06/2018 7:00	520	100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/07/2018 7:15	355	110
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/01/2019 8:20	740	300
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/07/2019 07:00:00	10	20
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/01/2020 07:00:00	441	17,329
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/04/2020 07:00:00	5	24,197
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/07/2020 06:50:00	74	1,296
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/10/2020 06:30:00	24,197	24,197
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/01/2021 07:20:00	6,630	173,290
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/04/2021 07:00:00	480	1,682
No. of Samples			34	
Mean			1,692	16,594
Median			426	360
Median Dry Season			407	142
Median Wet Season			410	1,750
95th Percentile			5,682	78,559
Log Reduction			2.3	

Table 23 Monitoring Results - Numbulwar - WDL218-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100mL)
Numbulwar																		
SNU090	Wq-Numbulwar Pond 2 Outlet	1/03/2016 0:00	10.3	584	14	160	380	200	110	770	0.5	23	<0.1	23.55	0.32	2.2	50	100
SNU090	Wq-Numbulwar Pond 2 Outlet	12/07/2016 0:00	7.8	754	1.75	18	95	137	92	1985	9.9	23	<0.1	32.95	3.8	5.1	5,040	72,700
SNU090	Wq-Numbulwar Pond 2 Outlet	10/01/2017 0:00	8.31	478	7.74	76	48	40	8.1	239	4.1	5.8	<0.1	9.95	1.4	2.8	4,350	12,570
SNU090	Wq-Numbulwar Pond 2 Outlet	12/07/2017 15:31	8.19	660	4.22	48	27	40	17	482	6.3	6	<0.1	12.35	1.5	2.2	2,850	92,080
SNU090	Wq-Numbulwar Pond 2 Outlet	10/01/2018 15:57	8.75	650	<0.1	<10	280	133	98	597	0.9	15	<0.1	15.95	0.8	1.9	141,360	860
SNU090	Wq-Numbulwar Pond 2 Outlet	20/06/2018 16:38	7.82	880	<0.1	<10	100	180	41	102	7.9	8.9	<0.1	16.85	1.2	2.7	65,860	1,750
SNU090	Wq-Numbulwar Pond 2 Outlet	25/07/2018 15:42	8.25	830	5.01	53	68	180	53	653	4.9	13	<0.1	17.95	0.6	2.9	77,010	1,420
SNU090	Wq-Numbulwar Pond 2 Outlet	9/01/2019 8:11	8.16	770	<0.1	<10	1101	2001	510	42	8.3	120	<0.1	128.35	2.5	18.9	86,640	9,340
SNU090	Wq-Numbulwar Pond 2 Outlet	10/07/2019 14:30:00	8.94	850	8.47	95	200	95	41.0	443	2.2	11.0	<0.1	13.25	0.8	2.2	3,500	32,820
SNU090	Wq-Numbulwar Pond 2 Outlet	09/10/2019 13:50:49	8.98	410	3.17	30	660	400	170.0	184	5.1	41.0	<0.1	46.15	0.4	6.9	11,370	100
SNU090	Wq-Numbulwar Pond 2 Outlet	15/01/2020 13:54:50	8.14	800	0.43	<10	130	147	77.0	933	0.9	14.0	<0.1	14.95	0.8	2.8	7,170	50
SNU090	Wq-Numbulwar Pond 2 Outlet	15/04/2020 13:52:39	8.55	550	8.22	100	130	115	20.0	637	2.8	12.0	<0.1	14.85	0.2	2.4	17,230	50
SNU010	Wq-Numbulwar Pond 1 Outlet	15/07/2020 09:00:30	7.67	840.0	3.43	40.0	300	223.0	85.0	1,320	3.1	21.0	<0.1	24.15	0.1	2.8	241,961	1,850
SNU010	Wq-Numbulwar Pond 1 Outlet	09/09/2020 09:40:00	7.54	980	<0.1	10	150	152	56.0	609	8.5	14.0	<0.1	22.55	0.9	2.6	241,961	200
SNU010	Wq-Numbulwar Pond 1 Outlet	11/11/2020 09:07:00	7.67	910.0	0.21	<10	420	163.0	33.0	1,120	5.0	18.0	0.3	23.3	0.8	3.1	241,961	50
SNU010	Wq-Numbulwar Pond 1 Outlet	13/01/2021 11:00:00	7.67	760.0	5.94	58.0	240	190.0	35.0	717	0.4	16.0	<0.1	16.45	0.1	1.7	13,200	100
SNU010	Wq-Numbulwar Pond 1 Outlet	17/02/2021 10:10:00	7.58	850.0	0.77	10.0	240	165.0	50.0	1,040	2.4	13.0	<0.1	15.45	0.4	2.7	141,360	100
SNU090	Wq-Numbulwar Pond 2 Outlet	14/04/2021 10:00:00	7.66	810.0	0.34	<10	730	160.0	95.0	473	6.2	17.0	<0.1	23.25	<0.1	2.9	241,961	1,317
SNU090	Wq-Numbulwar Pond 2 Outlet	09/06/2021 10:00:00	7.86	1,000.0	0.48	<10	68	64.0	38.0	237	6.6	6.9	<0.1	13.55	1.0	2.3	10,800	200
No. of Samples			20															
Mean			8.22	750.10	3.39	38.58	282.47	232.38	80.05	662.26	4.70	19.70	0.06	24.46	1.01	3.70	79,919	11,600
Median			8.15	785.00	1.75	18.00	200.00	156.00	51.50	609.00	4.90	14.00	0.05	16.65	0.80	2.75	29,988	1,089
Median Dry Season			7.86	840.00	3.17	30.00	100.00	152.00	53.00	482.00	6.30	13.00	0.05	17.95	0.90	2.70	11,370	1,750
Median Wet Season			8.15	765.00	0.60	7.50	260.00	161.50	63.50	677.00	2.60	15.50	0.05	16.20	0.60	2.75	51,935	100
95th Percentile			8.98	980.00	9.02	106.00	767.10	400.00	170.00	1386.50	8.50	41.00	0.05	46.15	2.50	6.90	241,961	73,669

Table 24 Monitoring Results - Peppimenarti - WDL220-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100ml)
Peppimenarti																		
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/03/2016 0:00	7.1	390	0.21	<10	21	16.7	15	354	8.7	2.7	<0.1	11.45	2	2.1	231	5
SPE090	Wq-Peppimenarti Pond 3 Outlet	19/07/2016 0:00	7.44	552	6.98	76	68	110	40	746	14	9.2	0.13	23.33	0.54	5.2	2650	1950
SPE090	Wq-Peppimenarti Pond 3 Outlet	18/01/2017 0:00	6.97	206	4.81	52	31	40	8.4	168	3.6	4.6	<0.1	8.25	1	2.4	970	200
SPE090	Wq-Peppimenarti Pond 3 Outlet	18/07/2017 16:40	7.12	580	<0.1	<10		120	130	35	17	110	<0.1	127.05	0.8	16.8	750	200
SPE090	Wq-Peppimenarti Pond 3 Outlet	23/08/2017 15:50	7.3	630	<0.1	<10	23	52	46	239	23	27	<0.1	50.05	3.5	8.3	2590	200
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/01/2018 16:12	8.88	450	5.66	69	15	10	<1	65	2.5	3.3	<0.1	5.85	2.8	2.9	50	2850
SPE090	Wq-Peppimenarti Pond 3 Outlet	17/07/2018 0:00	7.84	700	0.7	<10	7.1	7	<1	327	2.8	2.9	0.19	5.89	3.8	3.8	98	316
SPE090	Wq-Peppimenarti Pond 3 Outlet	15/01/2019 9:09	9	560	6.15	65	28	29	3.8	114	5.1	4	<0.1	9.15	2.3	3.1	520	310
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/07/2019 06:55:00	7.96	570	1.23	13	3	8	2.3	54	0.3	1.9	<0.1	2.25	2.5	2.7	20	910
SPE090	Wq-Peppimenarti Pond 3 Outlet	15/10/2019 06:38:20	10.0	550	2.89	28	300	150	29.0	1360	<0.30	11.0	<0.1	11.35	0.8	1.0	50	50
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/01/2020 08:09:45	8.74	440	0.18	<10	38	30	7.7	211	1.9	7.4	<0.1	9.35	1.5	2.1	1,070	100
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/04/2020 14:45:16	9.59	450	11.0	100	33	27	7.0	170	0.9	5.3	<0.1	6.25	1.2	1.7	50	50
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/07/2020 09:00:36	8.82	470.0	5.35	56.0	9.0	16.0	14.0	42.0	4.3	2.5	0.25	7.05	1.5	1.8	197	6,488
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/10/2020 10:00:00	9.48	380.0	2.46	22.0	21.0	22.0	8.8	185.0	0.6	4.2	0.5	5.3	1.1	1.2	10	20
SPE090	Wq-Peppimenarti Pond 3 Outlet	19/01/2021 10:00:57	8.99	290.0	4.15	45.0	23.0	26.0	5.5	399.0	1.7	4.9	0.1	6.7	1.9	2.5	50	300
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/04/2021 09:00:00	9.82	270.0	8.64	95.0	110.0	75.0	16.0	69.0	0.8	6.3	<0.1	7.15	1.3	2.5	50	200
No. of Samples			16															
Mean			8.4	468	3.78	40	49	46	20.91	284	5.47	12.95	0.11	18.53	1.78	3.76	585	884
Median			8.8	460	3.52	37	23	28	8.60	178	2.65	4.75	0.05	7.70	1.50	2.50	148	200
Median Dry Season			7.9	561	1.85	18	21	37	21.50	212	3.55	6.70	0.09	9.20	1.30	3.25	148	258
Median Wet Season			8.9	415	5.24	59	30	28	7.35	169	2.20	4.75	0.05	7.70	1.70	2.45	141	200
95th Percentile			9.9	648	9.23	96	167	128	67.00	900	18.50	47.75	0.31	69.30	3.58	10.43	2,605	3,760

Table 25 Monitoring Results (Physical/Chemical) - Pirlangimpi - WDL221-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/05/2019 15:39	7.52	340				80	5.5		17	7.6	<0.1	24.7	1.7	2.8
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/06/2019 00:00:00	7.67	410				28	3.8		24.0	4.2	<0.1	28.3	2.2	3.1
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/07/2019 00:00:00	7.68	460	<0.1	<10	100	110	50.0	655	25.0	10.0	<0.1	35.1	1.9	3.8
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/08/2019 07:20:00	7.54	420				130	36.0		15.0	7.6	<0.1	22.7	1.8	5.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/09/2019 06:55:00	7.24	390				87	58.0		14.0	22.0	<0.1	36.1	2.4	4.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/10/2019 07:00:00	7.16	460				2000	280.0		21.0	64.0	<0.1	85.1	6.6	11.4
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/11/2019 13:40:41	7.32	370				2000	31.0		21.0	30.0	<0.1	51.1	3.7	5.1
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/12/2019 12:58:19	7.41	370	<0.1	<10	200	1580	26.0	478	18.0	31.0	<0.1	49.1	1.6	8.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/01/2020 13:05:57	7.4	400	<0.1	<10	740	1040	34.0	1310	18.0	35.0	<0.1	53.1	3.1	7.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/02/2020 13:07:27	7.33	350				875	100.0		14.0	23.0	<0.1	37.1	2.4	5.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/03/2020 12:48:21	7.17	370	<0.1	<10	Not suitable	1930	140.0	2110	18.0	29.0	<0.1	47.1	2.6	6.2
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/04/2020 07:08:26	7.53	310	4.8	51.0	33	33	<1	270	13.0	4.4	<0.1	17.5	1.4	2.1
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/05/2020 07:35:11	7.83	370				73	28.0		17.0	11.0	0.1	28.1	1.4	2.9
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/06/2020 06:20:16	7.8	390.0	<0.1	<10	61.0	47.0	26.0	800.0	16.0	7.2	<0.1	23.3	2.0	3.1
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/07/2020 07:30:00	7.26	390.0	<0.1	<10	350.0	1,040.0	79.0	3,410.0	17.0	16.0	<0.1	33.1	1.8	4.5
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/08/2020 06:20:44	7.48	380				40	14.0		17.0	5.7	0.1	22.8	1.9	2.7
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/09/2020 06:50:00	7.41	370				38	29.0		14.0	6.9	0.1	21.0	2.0	3.4
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/10/2020 05:35:00	7.16	400	N.A	N.A	N.A	2000	110.0	N.A	18.0	32.0	<0.1	50.1	3.4	6.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/11/2020 05:15:00	7.39	320.0				1,550.0	51.0		15.0	31.0	<0.1	46.1	2.0	6.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/12/2020 08:30:49	7.09	280.0	0.4	<10	800.0	2,001.0	40.0	2,550.0	15.0	33.0	<0.1	48.1	2.0	6.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/01/2021 07:44:26	7.15	320.0	0.19	<10	1,001.0	2,001.0	62.0	3,920.0	16.0	27.0	<0.1	43.1	2.5	8.5
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/02/2021 08:45:47	6.88	210.0	0.46	<10	340.0	990.0	83.0	881.0	10.0	8.1	<0.1	18.2	0.9	2.3
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/03/2021 06:00:19	6.98	260.0	0.31	<10	67.0	85.0	20.0	663.0	16.0	8.1	<0.1	24.2	2.0	3.2
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/04/2021 07:40:00	7.69	280.0	0.49	<10	41.0	28.0	15.0	172.0	16.0	4.5	<0.1	20.6	1.5	2.2
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/05/2021 14:08:43	7.46	300.0	0.84	<10	58.0	56.0	18.0	338.0	17.0	5.8	<0.1	22.9	0.6	2.5
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/06/2021 05:40:19	7.62	310.0	0.48	<10	46.0	52.0	34.0	146.0	16.0	4.6	<0.1	20.7	1.4	2.2
No. of Samples			40													
Mean			7.49	329.20	2.16	25.76	218.32	674.51	45.34	1063.05	15.95	16.10	0.06	32.12	2.00	4.21
Median			7.41	320.00	0.40	5.00	61.00	110.00	32.50	663.00	16.00	9.80	0.05	27.43	1.90	3.20
Median Dry Season			7.47	375.00	0.27	5.00	58.00	76.50	34.00	609.50	17.00	8.15	0.05	27.43	1.85	3.15
Median Wet Season			7.47	302.64	2.98	35.07	266.15	880.67	40.77	1114.93	14.50	17.51	0.05	32.07	1.97	4.35
95th Percentile			7.99	450.50	13.10	140.00	820.10	2000.05	111.50	3410.00	23.05	33.10	0.10	53.11	3.84	8.31
% Removal									12%		23%			-6%		-8%

Table 26 Monitoring Results (Bacteriological) - Pirlangimpi - WDL221-1

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/10/2018 7:00	288	20
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/11/2018 7:00	100	740
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/12/2018 6:00	36,540	24,197
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/01/2019 7:35	2,920	520
SPI090	Wq-Pirlangimpi Pond 2 Outlet	5/02/2019 6:40	10,390	50
SPI090	Wq-Pirlangimpi Pond 2 Outlet	5/03/2019 6:15	1,460	100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/04/2019 6:45	3,410	100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/05/2019 7:00	1,100	100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/06/2019 7:15	22,240	1,918
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/07/2019 07:25:00	11,060	860
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/08/2019 13:35:00	11,450	3,770
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/09/2019 13:20:00	200	520
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/10/2019 07:15:00	410	970
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/11/2019 07:20:00	6,130	740
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/12/2019 05:30:00	1,580	850
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/01/2020 06:30:00	3,590	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/02/2020 06:30:00	10,390	7,760
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/03/2020 07:00:00	30,440	17,820
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/04/2020 07:00:00	14,500	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/05/2020 07:35:00	101,700	50
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/06/2020 06:25:00	2,010	50
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/07/2020 07:30:00	54,750	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/08/2020 06:30:00	16,070	100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/09/2020 06:45:00	3,680	1,610
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/10/2020 05:40:00	1,610	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/11/2020 05:30:00	7,380	50
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/12/2020 08:30:00	5,560	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/01/2021 07:44:00	43,520	2,010
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/02/2021 08:45:00	29,870	11,190
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/03/2021 06:40:00	241,961	3,990
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/04/2021 07:35:00	16,100	200
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/05/2021 05:35:00	8,840	1,112
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/06/2021 05:50:00	29,870	2,590
No. of Samples			41	
Mean			20,014	2,336
Median			7,380	520
Median Dry Season			8,720	465
Median Wet Season			6,300	520
95th percentile			54,750	11,190
Log Reduction			1.5	1.4

Table 27 Monitoring Results (Physical/Chemical) - Ramingining - WDL206-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SRA090	Wq-Ramingining Pond 3 Outlet	11/06/2019 00:00:00	7.84	420				82	55		14.0	24.0	0.1	38.1	1.1	1.7
SRA090	Wq-Ramingining Pond 3 Outlet	09/07/2019 06:48:00	7.48	400	<0.1	<10		206	110	520	0.8	23.0	2.01	25.81	1.3	6.0
SRA090	Wq-Ramingining Pond 3 Outlet	20/08/2019 06:56:00	7.68	470			380	215	50		12.0	27.0	<0.1	39.05	3.0	6.6
SRA090	Wq-Ramingining Pond 3 Outlet	10/09/2019 06:27:08	8.34	470				490	76		10.0	30.0	<0.1	40.05	2.5	7.9
SRA090	Wq-Ramingining Pond 3 Outlet	08/10/2019 06:21:44	8.98	410	3.17	30.0	660	400	170	184	5.1	41.0	<0.1	46.15	0.4	6.9
SRA090	Wq-Ramingining Pond 3 Outlet	12/11/2019 14:07:21	6.99	380				720	77		9.6	50.0	<0.1	59.65	0.2	9.0
SRA090	Wq-Ramingining Pond 3 Outlet	10/12/2019 09:59:49	7.85	380			270	165	66		5.5	23.0	0.11	28.61	0.6	6.8
SRA090	Wq-Ramingining Pond 3 Outlet	21/01/2020 09:07:10	7.69	270	0.84	<10	300	163	100	1560	4.3	21.0	<0.1	25.35	0.1	5.3
SRA090	Wq-Ramingining Pond 3 Outlet	11/02/2020 14:07:21	7.21	290				127	71		7.5	17.0		24.5	0.4	5.7
SRA090	Wq-Ramingining Pond 3 Outlet	10/03/2020 13:49:50	7.12	230				90	54		7.0	12.0	<0.1	19.05	1.4	4.0
SRA090	Wq-Ramingining Pond 3 Outlet	14/04/2020 06:15:56	7.43	300	<0.1	<10	210	113	52	465	6.8	14.0	<0.1	20.85	2.3	4.3
SRA090	Wq-Ramingining Pond 3 Outlet	12/05/2020 09:00:54	7.5	380				600	75		9.9	23.0	0.1	33	3.1	5.9
SRA090	Wq-Ramingining Pond 3 Outlet	09/06/2020 09:10:00	7.4	400.0				137.0	44.0		11.0	16.0	<0.1	27.05	2.1	5.2
SRA090	Wq-Ramingining Pond 3 Outlet	14/07/2020 08:00:14	7.35	340.0	<0.1	<10	310.0	152.0	57.0	453.0	6.9	19.0	0.45	26.35	1.6	4.9
SRA090	Wq-Ramingining Pond 3 Outlet	11/08/2020 09:15:00	7.35	390	N/A	N/A	N/A	223	67.0	N/A	6.2	26.0	0.44	32.64	1.6	6.2
SRA090	Wq-Ramingining Pond 3 Outlet	29/09/2020 07:20:00	9.7	430	2.45	27	not suitable	493	55.0	4,390	0.4	52.0	0.1	52.5	0.1	9.2
SRA090	Wq-Ramingining Pond 3 Outlet	10/11/2020 09:30:00	9.3	650.0	N/A	N/A	N/A	430.0	36.0	N/A	2.6	44.0	<0.1	46.65	1.7	12.6
SRA090	Wq-Ramingining Pond 3 Outlet	17/11/2020 09:00:00	9.45	730.0	0.16	<10	300.0	163.0	49.0	833.0	3.5	26.0	<0.1	29.55	7.0	10.9
SRA090	Wq-Ramingining Pond 3 Outlet	08/12/2020 09:00:00	8.33	390.0	0.27	<10	650.0	224.0	42.0	232.0	1.9	36.0	<0.1	37.95	0.1	7.3
SRA090	Wq-Ramingining Pond 3 Outlet	13/01/2021 07:00:00	7.43	250.0	0.65	<10	290.0	123.0	70.0	315.0	4.4	16.0	<0.1	20.45	0.5	3.7
SRA090	Wq-Ramingining Pond 3 Outlet	09/03/2021 10:00:00	7.38	240.0	0.29	<10	300.0	120.0	85.0	341.0	4.1	19.0	<0.1	23.15	0.7	3.6
SRA090	Wq-Ramingining Pond 3 Outlet	17/03/2021 09:00:00	7.23	270.0	0.19	<10	230.0	88.0	70.0	287.0	8.8	11.0	<0.1	19.85	2.1	2.6
SRA090	Wq-Ramingining Pond 3 Outlet	13/04/2021 07:15:32	7.28	270.0	1.75	17.0	240.0	100.0	34.0	963.0	5.7	15.0	<0.1	20.75	1.5	4.2
SRA090	Wq-Ramingining Pond 3 Outlet	11/05/2021 09:02:59	7.41	320.0	0.55	<10	320.0	140.0	65.0	285.0	7.4	19.0	<0.1	26.45	1.0	5.3
SRA090	Wq-Ramingining Pond 3 Outlet	08/06/2021 09:00:00	7.46	380.0	0.47	<10	390.0	152.0	210.0	290.0	11.0	21.0	0.1	32.1	0.1	5.8
		No. of Samples	40													
		Mean	8.1	372	2.21	24	341	240	92.7	607	5.02	27.70	0.15	32.86	1.60	6.41
		Median	7.8	380	0.65	5	310	170	69.0	290	4.10	23.00	0.05	27.67	1.45	5.90
		Median Dry Season	8.1	400	2.81	29	350	195	68.0	270	5.10	23.00	0.08	29.85	1.80	6.00
		Median Wet Season	7.8	295	0.47	5	290	163	68.0	328	3.90	22.00	0.05	25.85	0.65	5.15
		95th Percentile	9.5	510	6.75	69	641	600	210.0	1,530	11.00	50.00	0.46	52.50	4.00	10.90
		% Removal							18%		62%			9%		-20%

Table 28 Monitoring Results (Bacteriological) - Ramininging - WDL206-3

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SRA090	Wq-Ramingining Pond 3 Outlet	13/11/2018 8:50	520	850
SRA090	Wq-Ramingining Pond 3 Outlet	11/12/2018 8:10	1,710	520
SRA090	Wq-Ramingining Pond 3 Outlet	8/01/2019 9:00	2,010	12,910
SRA090	Wq-Ramingining Pond 3 Outlet	19/02/2019 9:00	300	141,360
SRA090	Wq-Ramingining Pond 3 Outlet	12/03/2019 9:00	23,820	5,650
SRA090	Wq-Ramingining Pond 3 Outlet	9/04/2019 9:30	200	129,970
SRA090	Wq-Ramingining Pond 3 Outlet	3/05/2019 14:30	1,220	155,310
SRA090	Wq-Ramingining Pond 3 Outlet	14/05/2019 9:30	327	68,670
SRA090	Wq-Ramingining Pond 3 Outlet	11/06/2019 10:00:00	23,590	1,850
SRA090	Wq-Ramingining Pond 3 Outlet	09/07/2019 09:30:00	57,940	1,870
SRA090	Wq-Ramingining Pond 3 Outlet	20/08/2019 08:30:00	120,330	3,230
SRA090	Wq-Ramingining Pond 3 Outlet	10/09/2019 10:45:00	77,010	1,070
SRA090	Wq-Ramingining Pond 3 Outlet	08/10/2019 10:00:00	57,940	4,570
SRA090	Wq-Ramingining Pond 3 Outlet	12/11/2019 09:00:00	17,890	134,000
SRA090	Wq-Ramingining Pond 3 Outlet	10/12/2019 09:20:00	24,810	6,240
SRA090	Wq-Ramingining Pond 3 Outlet	21/01/2020 09:30:00	14,390	2,880
SRA090	Wq-Ramingining Pond 3 Outlet	11/02/2020 09:00:00	14,670	241,961
SRA090	Wq-Ramingining Pond 3 Outlet	10/03/2020 09:00:00	77,010	13,740
SRA090	Wq-Ramingining Pond 3 Outlet	14/04/2020 09:00:00	120,330	241,961
SRA090	Wq-Ramingining Pond 3 Outlet	12/05/2020 09:00:00	6,020	36,540
SRA090	Wq-Ramingining Pond 3 Outlet	09/06/2020 09:10:00	72,700	2,310
SRA090	Wq-Ramingining Pond 3 Outlet	14/07/2020 08:00:00	129,970	3,130
SRA090	Wq-Ramingining Pond 3 Outlet	11/08/2020 09:15:00	4,500	520
SRA090	Wq-Ramingining Pond 3 Outlet	29/09/2020 07:20:00	5	1,259,000
SRA090	Wq-Ramingining Pond 3 Outlet	10/11/2020 09:30:00	46,110	241,961
SRA090	Wq-Ramingining Pond 3 Outlet	17/11/2020 09:00:00	19,350	209,800
SRA090	Wq-Ramingining Pond 3 Outlet	08/12/2020 09:00:00	104,620	18,900
SRA090	Wq-Ramingining Pond 3 Outlet	12/01/2021 07:30:00	14,500	3,090
SRA090	Wq-Ramingining Pond 3 Outlet	09/03/2021 10:00:00	54,750	8,780
SRA090	Wq-Ramingining Pond 3 Outlet	17/03/2021 09:00:00	36,540	1,340
SRA090	Wq-Ramingining Pond 3 Outlet	13/04/2021 07:20:00	26,030	61,310
SRA090	Wq-Ramingining Pond 3 Outlet	11/05/2021 09:00:00	43,520	18,600
SRA090	Wq-Ramingining Pond 3 Outlet	08/06/2021 09:00:00	81,600	6,300
No. of Samples			42	
Mean			30,775	78,587
Median			14,585	5,945
Median Dry Season			5,260	3,130
Median Wet Season			16,280	10,845
95th percentile			119,545	241,961
Log Reduction			0.8	0.4

Table 29 Monitoring Results - Wadeye - WDL205-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators			
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100ml)		
Wadeye																				
SWA090	Wq-Wadeye Pond 2 Outlet	15/09/2015 0:00	7.25	206	2.35	28	230	137	86	399	5	18	<0.1	23.05	0.9	2.7	92,080	14,136		
SWA090	Wq-Wadeye Pond 2 Outlet	23/02/2016 0:00	7.54	174	4.46	60	110	107	62	384	4.1	15	<0.1	19.15	0.93	2.4	12,360	520		
SWA090	Wq-Wadeye Pond 2 Outlet	12/07/2016 0:00	7.38	238	2.31	26	89	96.7	30	635	8.4	14	<0.1	22.45	1.2	2.9	109,100	3,240		
SWA090	Wq-Wadeye Pond 2 Outlet	17/01/2017 0:00	6.98	134	0.78	<10	350	2730	58	7	4.8	21	<0.1	25.85	0.67	2.1	7,230	200		
SWA090	Wq-Wadeye Pond 2 Outlet	12/07/2017 13:35	7.18	290	<0.1	<10	120	140	33	822	9.8	17	<0.1	26.85	1.1	4	155,310	1,340		
SWA090	Wq-Wadeye Pond 2 Outlet	10/01/2018 12:56	7.62	210	<0.1	<10	190	143	85.0	379	6.1	16	<0.1	22.15	1.2	2.9	92,080	6,310		
SWA090	Wq-Wadeye Pond 2 Outlet	11/07/2018 9:38	7.36	390	<0.1	<10	81	50	38.0	438	19	7.7	<0.1	26.75	3.2	4.6	48,840	300		
SWA090	Wq-Wadeye Pond 2 Outlet	9/01/2019 13:07	7.26	220	<0.1	<10	45	28	25.0	271	8.5	5.7	<0.1	14.25	2	2.5	4,950	100		
SWA090	Wq-Wadeye Pond 2 Outlet	10/07/2019 10:25:00	7.09	300	2.64	30	170	105	43.0	275	3.7	11.0	<0.1	14.75	1.5	3.4	88,400	2,280		
SWA090	Wq-Wadeye Pond 2 Outlet	15/01/2020 10:52:45	6.96	180	0.25	<10	130	70	56.0	158	4.8	11.0	<0.1	15.85	1.6	2.8	22,820	410		
SWA090	Wq-Wadeye Pond 2 Outlet	15/07/2020 08:50:58	7.21	150.0	<0.1	<10	94.0	60.0	40.0	520.0	11.0	8.5	<0.1	19.55	1.0	2.2	81,640	1,830		
SWA090	Wq-Wadeye Pond 2 Outlet	12/08/2020 07:50:53	7.32	330	0.1	10	100	153	38.0	523.0	11.0	9.5	0.1	20.6	2.0	3.9	9,590	410		
SWA090	Wq-Wadeye Pond 2 Outlet	09/09/2020 08:30:00	7.11	330	7.49	88	120	152	57.0	721	10.0	11.0	<0.1	21.05	2.8	5.2	13,330	1,730		
SWA090	Wq-Wadeye Pond 2 Outlet	14/10/2020 08:50:02	7.26	250	2.99	31	88	88	26.0	717	7.6	8.4	<0.1	16.05	1.7	3.1	9,590	960		
SWA090	Wq-Wadeye Pond 2 Outlet	11/11/2020 08:50:00	7.25	280.0	1.8	22.0	220.0	157.0	58.0	417.0	9.7	11.0	<0.1	20.75	3.0	4.5	5,910	64,880		
SWA090	Wq-Wadeye Pond 2 Outlet	09/12/2020 08:50:00	7.09	280.0	0.87	<10	68.0	37.0	24.0	261.0	12.0	5.5	<0.1	17.55	2.7	3.3	2,530	50		
SWA090	Wq-Wadeye Pond 2 Outlet	13/01/2021 08:45:00	7.24	200.0	2.2	22.0	88.0	70.0	36.0	186.0	6.6	6.9	<0.1	13.55	1.7	2.7	14,140	1,930		
SWA090	Wq-Wadeye Pond 2 Outlet	10/02/2021 08:50:59	6.61	69.0	0.84	<10	12.0	12.0	3.9	37.0	2.0	1.6	0.1	3.7	0.1	0.5	3,050	1,450		
SWA090	Wq-Wadeye Pond 2 Outlet	10/03/2021 08:10:36	7.17	170.0	0.38	<10	53.0	40.0	26.0	239.0	5.6	5.1	<0.1	10.75	1.1	1.7	30,760	980		
SWA090	Wq-Wadeye Pond 2 Outlet	14/04/2021 08:40:00	7.21	210.0	0.41	<10	130.0	28.0	35.0	456.0	9.7	7.4	<0.1	17.15	2.2	3.5	11,450	2,160		
SWA090	Wq-Wadeye Pond 2 Outlet	12/05/2021 08:50:00	7.26	220.0	1.68	17.0	58.0	44.0	9.0	122.0	11.0	5.8	<0.1	16.85	1.0	1.7	11,870	64,880		
SWA090	Wq-Wadeye Pond 2 Outlet	09/06/2021 08:40:00	7.3	270.0	1.39	15.0	98.0	228.0	31.0	477.0	11.0	8.5	<0.1	19.55	2.3	4.0	19,890	48,840		
No. of Samples			22																22	
Mean			7.2	232	1.51	18	120	213	40.90	384	8.25	10.25	0.05	18.55	1.63	3.03	38,496	9,952		
Median			7.2	220	0.86	8	99	92	37.00	392	8.45	9.00	0.05	19.35	1.55	2.90	13,735	1,590		
Median Dry Season			7.3	270	1.68	17	98	105	38.00	520	10.00	9.50	0.05	20.60	1.50	3.40	48,840	1,830		
Median Wet Season			7.2	200	0.78	5	110	70	36.00	261	6.10	7.40	0.05	17.15	1.60	2.70	11,450	980		
95th Percentile			7.5	330	4.39	59	230	224	83.85	721	11.95	17.95	0.10	26.71	2.99	4.60	108,249	64,078		
% Removal									56%		26%			8%		2%				
Log Reduction																	1.6	2.2		

Table 30 Monitoring Results - Warruwi - WDL222-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators		
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	E. coli (cfu/100mL)	Enterococci (cfu/100ml)	
Warruwi																			
SWR090	Wq-Warruwi Pond 2 Outlet	2/03/2016 0:00	7.18	542	<0.1	<10	420	1770	150	10	11	53	<0.1	64.05	3.3	8.5	6,050	50	
SWR090	Wq-Warruwi Pond 2 Outlet	6/07/2016 0:00	8.1	662	<0.1	<10	55	92.5	21	625	10	12	<0.1	22.05	5.4	5.9	11,000	200	
SWR090	Wq-Warruwi Pond 2 Outlet	4/01/2017 0:00	7.99	868	4.26	48	41	63.3	14	450	8	8.2	0.17	16.37	2.4	3.7	5,570	2,014	
SWR090	Wq-Warruwi Pond 2 Outlet	4/07/2017 0:00	8.83	450	7.5	78	52	92	18	851	4.4	14	0.1	18.5	1.9	3.4	17,230	1,990	
SWR090	Wq-Warruwi Pond 2 Outlet	2/01/2018 14:05	8.66	460	5.38	64	130	100	71	549	4.4	12	<0.1	16.45	2.2	4.4	16,070	241,961	
SWR090	Wq-Warruwi Pond 2 Outlet	3/07/2018 14:09	8.61	490	5.06	61	65	127	26	740	3.1	14	0.12	17.22	3.1	4.5	8,330	8,330	
SWR090	Wq-Warruwi Pond 2 Outlet	2/01/2019 14:57	7.18	640	<0.1	<10	160	1960	490	23	11	120	<0.1	131.05	2.9	8.7	16,240	241,961	
SWR090	Wq-Warruwi Pond 2 Outlet	02/07/2019 00:00:00	8.8	630	8.3	90	88	155	38.0	173	6.1	14.0	<0.1	20.15	2.8	4.1	3,410	100	
SWR090	Wq-Warruwi Pond 2 Outlet	01/10/2019 07:30:00	7.82	570	1.86	21	180	155	29.0	657	3.9	18.0	<0.1	21.95	2.4	4.4	29,090	980	
SWR090	Wq-Warruwi Pond 2 Outlet	07/01/2020 13:02:53	7.87	780	<0.1	5	40	54	13.0	213	6.7	6.7	<0.1	13.45	2.6	3.3	3,270	1,810	
SWR090	Wq-Warruwi Pond 2 Outlet	07/04/2020 06:59:19	7.44	610	<0.1	5	43	60	23.0	455	7.2	7.3	<0.1	14.55	2.1	2.9	1,350	50	
SWR090	Wq-Warruwi Pond 2 Outlet	07/07/2020 11:00:00	7.74	650.0	2.22	23.0	81.0	92.0	24.0	1,400.0	17.0	14.0	<0.1	31.05	3.9	5.4	12,340	1,600	
SWR090	Wq-Warruwi Pond 2 Outlet	06/10/2020 09:00:00	8.15	610	<0.1	10	250	98	75.0	1,570	3.9	14.0	<0.1	17.95	3.4	5.0	11,530	310	
SWR090	Wq-Warruwi Pond 2 Outlet	03/02/2021 08:30:58	7.21	840.0	0.5	<10	47.0	44.0	56.0	680.0	5.8	4.6	<0.1	10.45	1.3	2.2			
SWR090	Wq-Warruwi Pond 2 Outlet	16/02/2021 08:18:04	7.31	650.0	1.4	17.0	29.0	26.0	19.0	397.0	6.0	3.0	<0.1	9.05	1.0	1.6	18,600	100	
SWR090	Wq-Warruwi Pond 2 Outlet	13/05/2021 09:15:00	7.42	1,400.0	0.95	11.0	120.0	76.0	28.0	717.0	12.0	9.6	<0.1	21.65	2.8	4.1	48,840	1,080	
No. of Samples			16															15	
Mean			7.9	678	2.36	28	113	310	68.44	594	7.53	20.28	0.07	27.87	2.72	4.51	13,928	33,502	
Median			7.8	635	1.18	14	73	92	27.00	587	6.40	13.00	0.05	18.23	2.70	4.25	11,530	1,080	
Median Dry Season			8.1	620	2.04	22	85	95	27.00	729	5.25	14.00	0.05	20.90	2.95	4.45	11,935	1,030	
Median Wet Season			7.3	640	0.05	5	43	60	23.00	397	6.70	7.30	0.05	14.55	2.20	3.30	5,810	955	
95th Percentile			8.8	1,001	7.70	81	293	1818	235.00	1,443	13.25	69.75	0.13	80.80	4.28	8.55	35,015	241,961	

Table 31 Monitoring Results (Physical/Chemical) - Wurrumiyanga - WDL223-1

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters					
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
SNG090	Wq-Nguiu Pond 3 Outlet	4/09/2018 15:48	7.36	330				67	38		14	8.1	<0.1	22.15	2.2	3.8
SNG090	Wq-Nguiu Pond 3 Outlet	31/10/2018 12:44	7.61	350				78	25		15	7.6	<0.1	22.65	2.6	2.7
SNG090	Wq-Nguiu Pond 3 Outlet	4/12/2018 15:28	7.5	370				8	6.6		17	2.5	<0.1	19.55	2.5	3.1
SNG090	Wq-Nguiu Pond 3 Outlet	9/01/2019 13:10	7.46	260	3.89	47	18	27	22	385	8.3	3.7	<0.1	12.05	1.2	2
SNG090	Wq-Nguiu Pond 3 Outlet	5/03/2019 0:00	7.24	300				5	<1		11	<0.4	<0.1	11.25	1.4	3.9
SNG090	Wq-Nguiu Pond 3 Outlet	2/04/2019 7:31	6.77	190				9	4.1		5.1	2.3	<0.1	7.45	0.6	1
SNG090	Wq-Nguiu Pond 3 Outlet	7/05/2019 15:34	7.01	240				12	17		11	2.3	<0.1	13.35	1.4	1.8
SNG090	Wq-Nguiu Pond 3 Outlet	04/06/2019 00:00:00	7.37	320				40	13.0		15.0	2.5	<0.1	17.55	1.7	2.7
SNG090	Wq-Nguiu Pond 3 Outlet	02/07/2019 00:00:00	7.3	400	<0.1	<10	38	40	11.0	240	20.0	4.0	<0.1	24.05	3.3	4.0
SNG090	Wq-Nguiu Pond 3 Outlet	06/08/2019 07:25:00	7.32	390				160	34.0		14.0	9.0	<0.1	23.05	1.2	5.2
SNG090	Wq-Nguiu Pond 3 Outlet	01/10/2019 08:00:00	7.16	380				75	44.0		12.0	12.0	<0.1	24.05	2.4	3.7
SNG090	Wq-Nguiu Pond 3 Outlet	05/11/2019 12:48:57	7.41	340				54	8.1		12.0	6.0	<0.1	18.05	2.0	2.5
SNG090	Wq-Nguiu Pond 3 Outlet	03/12/2019 12:49:54	7.64	320				62	3.4		8.8	7.9	<0.1	16.75		
SNG090	Wq-Nguiu Pond 3 Outlet	07/01/2020 13:09:56	7.29	270	<0.1	<10	34	46	12.0	373	9.6	4.8	<0.1	14.45	1.5	2.1
SNG090	Wq-Nguiu Pond 3 Outlet	04/02/2020 13:15:06	6.92	140				38	20.0		3.3	4.2	<0.1	7.55	0.5	1.4
SNG090	Wq-Nguiu Pond 3 Outlet	03/03/2020 12:52:24	6.77	120	2.66	23	11	10	4.9	118	2.4	2.2	<0.1	4.65	0.4	0.6
SNG090	Wq-Nguiu Pond 3 Outlet	07/04/2020 07:12:30	6.84	160	<0.1	<10	15	18	<1	235	4.2	3.3	<0.1	7.55	0.7	1.3
SNG090	Wq-Nguiu Pond 3 Outlet	05/05/2020 07:50:00	7.05	190				30	17.0		6.0	9.4	<0.1	15.45	0.7	1.4
SNG090	Wq-Nguiu Pond 3 Outlet	02/06/2020 08:00:19	7.37	260.0	<0.1	<10	48.0	37.0	22.0	490.0	8.4	6.2	<0.1	14.65	1.6	2.7
SNG090	Wq-Nguiu Pond 3 Outlet	07/07/2020 07:30:00	6.81	300.0	<0.1	<10	26.0	35.0	18.0	340.0	11.0	4.6	<0.1	15.65	1.5	2.0
SNG090	Wq-Nguiu Pond 3 Outlet	04/08/2020 08:00:18	7.22	310				56	42.0		9.5	6.6	0.1	16.2	2.1	3.0
SNG090	Wq-Nguiu Pond 3 Outlet	01/09/2020 07:50:00	7.25	360				60	26.0		13.0	6.7	0.1	19.8	2.5	3.5
SNG090	Wq-Nguiu Pond 3 Outlet	06/10/2020 08:15:00	7.36	330	N.A	N.A	N.A	40	32.0	N.A	15.0	5.7	<0.1	20.75	2.4	3.1
SNG090	Wq-Nguiu Pond 3 Outlet	03/11/2020 07:40:00	7.2	360.0	N.A	N.A	N.A	27.0	15.0	N.A	13.0	3.5	<0.1	16.55	2.2	2.5
SNG090	Wq-Nguiu Pond 3 Outlet	01/12/2020 07:40:39	7.1	280.0	0.53	<10	14.0	26.0	5.0	198.0	10.0	2.3	<0.1	12.35	1.9	2.1
SNG090	Wq-Nguiu Pond 3 Outlet	05/01/2021 08:20:54	7.19	180.0	2.62	32.0	7.5	6.0	2.7	129.0	5.1	2.3	0.1	7.5	0.8	3.3
SNG090	Wq-Nguiu Pond 3 Outlet	03/02/2021 10:45:34	6.58	100.0	2.17	24.0	7.9	8.0	8.5	115.0	2.2	0.5	<0.1	2.75	0.2	0.6
SNG090	Wq-Nguiu Pond 3 Outlet	02/03/2021 08:00:24	6.31	110.0	0.24	<10	12.0	26.0	9.6	241.0	1.8	3.1	<0.1	4.95	0.1	0.6
SNG090	Wq-Nguiu Pond 3 Outlet	06/04/2021 07:35:00	6.81	150.0	0.46	<10	16.0	24.0	14.0	272.0	3.2	3.0	0.1	6.3	0.4	1.1
SNG090	Wq-Nguiu Pond 3 Outlet	04/05/2021 07:35:33	6.94	210.0	0.29	10.0	26.0	24.0	17.0	359.0	5.8	4.0	0.1	9.9	0.8	1.6
SNG090	Wq-Nguiu Pond 3 Outlet	01/06/2021 08:05:50	7.05	260.0	0.4	<10	87.0	80.0	21.0	1,270.0	10.0	7.5	<0.1	17.55	1.6	2.9
		No. of Samples	37													
		Mean	7.16	264.89	1.86	23.14	24.97	38.74	16.57	383.71	9.55	4.82	0.06	14.43	1.47	2.36
		Median	7.23	280.00	0.46	5.00	18.00	30.00	16.00	300.00	10.00	4.40	0.05	15.55	1.50	2.50
		Median Dry Season	7.30	310.00	0.25	5.00	37.00	40.00	22.00	490.00	12.00	6.20	0.05	18.25	2.00	2.90
		Median Wet Season	7.15	202.00	2.40	23.50	14.00	24.00	7.50	218.00	5.10	3.00	0.05	7.55	0.75	1.35
		95th Percentile	7.52	381.50	5.89	67.00	48.00	78.30	38.60	990.00	15.30	9.06	0.10	23.20	2.52	3.92
		% Removal							61%		3%			17%		-6%

Table 32 Monitoring Results (Bacteriological) - Wurrumiyanga - WDL223-1

Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)	Enterococci /100ml
SNG090	Wq-Nguiu Pond 3 Outlet	4/09/2018 8:25	6,440	48,840
SNG090	Wq-Nguiu Pond 3 Outlet	31/10/2018 8:15	4,220	6,240
SNG090	Wq-Nguiu Pond 3 Outlet	4/12/2018 8:30	74	20
SNG090	Wq-Nguiu Pond 3 Outlet	9/01/2019 8:50	510	50
SNG090	Wq-Nguiu Pond 3 Outlet	5/02/2019 8:33	24,197	1,674
SNG090	Wq-Nguiu Pond 3 Outlet	5/03/2019 8:19	241	41
SNG090	Wq-Nguiu Pond 3 Outlet	2/04/2019 7:30	16,070	1,100
SNG090	Wq-Nguiu Pond 3 Outlet	7/05/2019 8:25	2,940	1,210
SNG090	Wq-Nguiu Pond 3 Outlet	4/06/2019 8:20	6,970	1,112
SNG090	Wq-Nguiu Pond 3 Outlet	02/07/2019 08:30:00	100	200
SNG090	Wq-Nguiu Pond 3 Outlet	06/08/2019 13:35:00	5,748	4,366
SNG090	Wq-Nguiu Pond 3 Outlet	01/10/2019 08:05:00	1,450	1,990
SNG090	Wq-Nguiu Pond 3 Outlet	05/11/2019 08:25:00	5,730	980
SNG090	Wq-Nguiu Pond 3 Outlet	03/12/2019 07:40:00	9,330	2,950
SNG090	Wq-Nguiu Pond 3 Outlet	07/01/2020 07:40:00	5,710	200
SNG090	Wq-Nguiu Pond 3 Outlet	04/02/2020 07:40:00	11,260	300
SNG090	Wq-Nguiu Pond 3 Outlet	03/03/2020 07:55:00	7,430	310
SNG090	Wq-Nguiu Pond 3 Outlet	07/04/2020 08:05:00	36,540	410
SNG090	Wq-Nguiu Pond 3 Outlet	05/05/2020 07:50:00	2,030	300
SNG090	Wq-Nguiu Pond 3 Outlet	02/06/2020 08:00:00	13,960	1,480
SNG090	Wq-Nguiu Pond 3 Outlet	07/07/2020 07:30:00	15,650	4,020
SNG090	Wq-Nguiu Pond 3 Outlet	04/08/2020 08:00:00	104,600	24,810
SNG090	Wq-Nguiu Pond 3 Outlet	01/09/2020 07:50:00	2,880	200
SNG090	Wq-Nguiu Pond 3 Outlet	06/10/2020 08:15:00	12,230	2,880
SNG090	Wq-Nguiu Pond 3 Outlet	03/11/2020 07:40:00	520	520
SNG090	Wq-Nguiu Pond 3 Outlet	25/11/2020 08:30:00	620	100
SNG090	Wq-Nguiu Pond 3 Outlet	01/12/2020 07:40:00	8,164	146
SNG090	Wq-Nguiu Pond 3 Outlet	05/01/2021 08:20:00	546	20
SNG090	Wq-Nguiu Pond 3 Outlet	03/02/2021 10:45:00	14,830	200
SNG090	Wq-Nguiu Pond 3 Outlet	02/03/2021 08:05:00	20	155
SNG090	Wq-Nguiu Pond 3 Outlet	06/04/2021 07:35:00	24,196	243
SNG090	Wq-Nguiu Pond 3 Outlet	04/05/2021 07:35:00	5,172	4,611
SNG090	Wq-Nguiu Pond 3 Outlet	01/06/2021 08:05:00	4,352	1,850
No. of Samples			40	
Mean			9,962	4,304
Median			5,720	750
Median Dry Season			4,352	1,990
Median Wet Season			7,430	200
95th Percentile			24,814	25,397
Log Reduction			1.0	

Table 33 Monitoring Results - Yirrkala - WDL204-3

Site Code	Site Description	Collected Date	Physical-chemical Parameters						Biological Parameters		Nutrient Parameters						Pathogen Indicators	
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)	<i>E. coli</i> (cfu/100mL)	Enterococci (cfu/100mL)
Yirrkala																		
SYI090	Wq-Yirrkala Pond 2 Outlet	1/09/2015 0:00	8.06	382	<0.1	<10	280	180	87	1196	3.1	19	<0.1	22.15	0.63	3.3	3,448	19,863
SYI090	Wq-Yirrkala Pond 2 Outlet	1/03/2016 0:00	8.1	498				82	31		6	11	<0.1	17.05	2.5	3.3	1,904	3,360
SYI090	Wq-Yirrkala Pond 2 Outlet	5/07/2016 0:00	9.53	382	1.42	14	340	230	99	183	3.4	27	<0.1	30.45	<0.1	4.9	13,540	850
SYI090	Wq-Yirrkala Pond 2 Outlet	3/01/2017 0:00	8.79	432	7.87	89	260	140	110	172	1.9	18	0.3	20.2	1.6	6.2	3,500	630
SYI090	Wq-Yirrkala Pond 2 Outlet	6/06/2017 0:00	7.95	390	5.33	60	290	235	110	268	2.2	27	<0.1	29.25	0.1	3.9	22,820	50
SYI090	Wq-Yirrkala Pond 2 Outlet	2/01/2018 15:30	7.62	620	<0.1	<10	180	2000	270	13	9.7	93	<0.1	102.75	1.6	13.6	22,820	27,550
SYI090	Wq-Yirrkala Pond 2 Outlet	3/07/2018 16:30	8.32	500	<0.1	<10	440	237	80	2300	4.1	31	<0.1	35.15	0.1	6.2	57,940	3,500
SYI090	Wq-Yirrkala Pond 2 Outlet	18/12/2018 0:00	8.61	570	<0.1	<10	550	920	38	1640	0.9	50	<0.1	50.95	2.4	8.5	4,080	1,550
SYI090	Wq-Yirrkala Pond 2 Outlet	18/06/2019 14:25:01	8.14	480.0	<0.1	<10	170.0	156.0	38	1,280	5.3	15.0	<0.1	20.35	1.7	5.3	14,830	500
SYI090	Wq-Yirrkala Pond 2 Outlet	07/01/2020 13:52:56	8.57	620.0	<0.1	<10	300.0	337.0	97.0	1,050.0	4.3	24.0	<0.1	28.35	0.2	5.3	3,450	26,030
SYI090	Wq-Yirrkala Pond 2 Outlet	09/06/2020 08:20:00	8.43	540.0	<0.1	<10	370.0	193.0	54.0	1,350.0	2.1	18.0	<0.1	20.15	<0.1	4.4	11,450	4,350
SYI090	Wq-Yirrkala Pond 2 Outlet	07/07/2020 07:40:00	7.51	620.0	<0.1	<10	320.0	150.0	64.0	815.0	4.6	19.0	<0.1	23.65	0.4	5.3	15,650	241,961
SYI090	Wq-Yirrkala Pond 2 Outlet	18/08/2020 08:00:43	9.17	610	0.1	10	460	235	22.0	3,210.0	1.1	29.0	0.1	30.2	0.2	6.1	4,880	8,160
SYI090	Wq-Yirrkala Pond 2 Outlet	15/09/2020 08:15:00	9.39	590	<0.1	10	640	365	37.0	2,370	0.4	34.0	<0.1	34.45	0.2	6.4	1,200	1,710
SYI090	Wq-Yirrkala Pond 2 Outlet	20/10/2020 08:00:00	8.76	630.0	0.1	<10	280.0	172.0	25.0	1,050.0	3.7	22.0	<0.1	25.75	3.1	5.2	3,790	241,961
SYI090	Wq-Yirrkala Pond 2 Outlet	17/11/2020 06:00:00	8.76	620.0	0.18	<10	170.0	103.0	21.0	490.0	2.8	16.0	<0.1	18.85	3.2	5.3	6,020	3,790
SYI090	Wq-Yirrkala Pond 2 Outlet	15/12/2020 08:28:51	8.03	580.0	0.17	<10	220.0	110.0	22.0	757.0	3.1	15.0	<0.1	18.15	2.0	3.8	12,230	21,410
SYI090	Wq-Yirrkala Pond 2 Outlet	20/01/2021 08:10:21	7.81	360.0	3.44	34.0	220.0	103.0	59.0	822.0	4.0	13.0	<0.1	17.05	<0.1	3.0	5,380	200
SYI090	Wq-Yirrkala Pond 2 Outlet	23/03/2021 07:18:21	8.13	400.0	4.7	44.0	180.0	96.0	26.0	869.0	2.1	13.0	<0.1	15.15	0.3	1.9	10,430	200
SYI090	Wq-Yirrkala Pond 2 Outlet	20/04/2021 08:00:00	7.32	360.0	1.88	21.0	220.0	124.0	40.0	618.0	1.8	13.0	<0.1	14.85	0.3	3.3	8,390	4,950
SYI090	Wq-Yirrkala Pond 2 Outlet	18/05/2021 08:10:34	7.79	450.0	1.38	14.0	480.0	160.0	41.0	1,250.0	0.4	27.0	<0.1	27.45	<0.1	4.8	57,940	3,880
SYI090	Wq-Yirrkala Pond 2 Outlet	15/06/2021 08:00:39	7.83	480.0	1.33	14.0	410.0	180.0	60.0	894.0	1.0	26.0	<0.1	27.05	<0.1	4.7	3,450	4,740
SYI090	Wq-Yirrkala Pond 2 Outlet	06/07/2021 08:10:00															13,140	1,100
	No. of Samples		22														23	
	Mean		8.3	505	1.35	17	323	296	65.0	1,076	3.09	25.45	0.06	28.61	0.94	5.21	13,143	27,056
	Median		8.1	499	0.10	5	290	176	47.5	894	2.95	20.50	0.05	24.70	0.30	5.05	8,390	3,790
	Average Dry Season		8.2	490	0.08	8	355	187	57.0	1,223	2.65	26.50	0.05	27.25	0.15	5.05	13,140	3,880
	Average Wet Season		8.1	534	0.18	5	220	117	39.0	757	2.95	15.50	0.05	18.50	1.60	4.55	5,700	3,575
	95th Percentile		9.4	620	5.33	60	550	892	110.0	2,370	5.97	49.20	0.10	50.16	3.07	8.40	54,428	220,520
	% Removal								-21%		26%			-15%		-10%		
	Log Reduction																1.3	

Appendix C – Tabulation of Monitoring Results – Surface Water

Table 34 Monitoring Results – Woods Inlet - WDL215-1

Alias	Asset Description	Collected Date	Physical-Chemical Parameters						Biological Parameters		Nutrient Parameters					Pathogen Indicators		
			pH (pH units)	EC (uS/cm)	DO (mg/L)	DO % Saturation	Turbidity (NTU)	TSS (mg/L)	BOD (mg/L)	Chlorophyll-a (ug/L)	NH3-N Free (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	TP (mg/L)	E. coli (mpn/100mL)	Enterococci (mpn/100mL)	
Discharge Point - Waste Stabilisation Pond Outlet			Lab tested	Lab tested	Lab tested	Lab tested	Lab tested											
SBL090	Wq-Belyuen Pond 2 Outlet	04/12/2019 11:22:22	7.7	340	<0.1	69	150	190	11.0	326	15.0	<0.1	18.05	2.6	3.9	970	520	
SBL090	Wq-Belyuen Pond 2 Outlet	08/01/2020 10:18:29	7.6	290	<0.1	<10	200	105	54.0	225	15.0	<0.1	20.45	1.1	2.9	17,329	826	
SBL090	Wq-Belyuen Pond 2 Outlet	05/02/2020 10:07:12	7.1	140	4.23	49	18	22	6.7	216	3.40	<0.1	7.35	0.400	1.000	23,590	241,961	
SBL090	Wq-Belyuen Pond 2 Outlet	04/03/2020 12:15:33	5.0	30	4.64	53	1	7	1.8	29	1.60	<0.1	2.35	0.100	0.200	86	160	
SBL090	Wq-Belyuen Pond 2 Outlet	08/04/2020 10:30:35	5.8	32	6.71	79	9	14	<1	108	2.60	<0.1	3.45	0.100	0.200	1,145	63	
SBL090	Wq-Belyuen Pond 2 Outlet	06/05/2020 09:26:37	5.8	26	4.75	57	5	6	1.2	123	2.40	<0.1	3.25	0.100	0.100	<100	<100	
SBL090	Wq-Belyuen Pond 2 Outlet	03/06/2020 09:42:51	6.1	47	2.08	25	3	10	4.5	32	1.30	<0.1	2.45	0.100	0.300	5,200	<100	
SBL090	Wq-Belyuen Pond 2 Outlet	08/07/2020 09:05:17	6.9	470	<0.1	<10	100	48	100.0	65	5.30	0.14	25.44	1.800	2.100	5,200	<100	
SBL090	Wq-Belyuen Pond 2 Outlet	05/08/2020 09:14:33	7.4	530	0.10	<10	190	63	54.0	90	6.60	0.10	30.70	2.800	3.700	325,500	92,080	
SBL090	Wq-Belyuen Pond 2 Outlet	02/09/2020 12:08:33	7.6	580	<0.1	<10	110	85	83.0	349	12.00	<0.1	36.05	3.800	4.700	8,500	387,300	
SBL090	Wq-Belyuen Pond 2 Outlet	08/10/2020 08:22:00	7.6	330	4.69	56	220	145	12.0	2,880	17.00	0.29	20.49	2.700	4.700	248,900	12,360	
SBL090	Wq-Belyuen Pond 2 Outlet	04/11/2020 08:22:29	7.0	350	<0.1	<10	801	2,001	38.0	1,090	25.00	0.14	28.04	1.300	4.100	12,997	24,196	
SBL090	Wq-Belyuen Pond 2 Outlet	02/12/2020 08:45:21	7.2	230	0.41	<10	58	60	26.0	392	8.00	<0.1	10.95	1.100	2.000	4,800	241,961	
SBL090	Wq-Belyuen Pond 2 Outlet	06/01/2021 09:15:49	6.1	56	1.37	16	73	118	13.0	47	3.90	0.10	6.00	0.300	0.700	<100	1,600	
SBL090	Wq-Belyuen Pond 2 Outlet	10/02/2021 09:10:52	5.4	24	4.90	52	1	6	<1	2	0.70	0.10	1.60	<0.1	0.400	6,200	100	
SBL090	Wq-Belyuen Pond 2 Outlet	03/03/2021 09:15:00	5.5	23	5.34	64	3	15	2.7	11	1.10	0.10	3.00	<0.1	0.100	9,320	50	
SBL090	Wq-Belyuen Pond 2 Outlet	07/04/2021 08:30:00	5.5	27	3.34	41	3	17	3.4	7	0.90	0.10	2.10	<0.1	0.200	1,137	120	
SBL090	Wq-Belyuen Pond 2 Outlet	05/05/2021 07:59:00	5.8	32	3.99	37	6	20	5.4	43	0.50	0.10	1.90	0.100	0.200	1,935	156	
SBL090	Wq-Belyuen Pond 2 Outlet	02/06/2021 09:00:00	6.6	70	10.9	120	18	44	16.0	458	0.70	0.30	5.00	0.100	0.400	4,611	185	
			No. of Samples	19												19		
			Mean	6.5	191	3.04	39	104	157	22.8	342	6.47	0.10	12.03	0.982	1.679	35,659	52,831
			Median	6.6	70	3.34	41	18	44	11.0	108	3.40	0.10	6.00	0.300	0.700	5,200	185
			Dry Season Median	6.8	200	3.04	31	59	46	14.0	107	3.85	0.10	12.75	0.950	1.250	5,200	171
			Wet Season Median	6.1	56	3.34	49	18	22	6.7	108	3.40	0.05	6.00	0.300	0.700	4,800	520
			95th Percentile	7.6	535	7.13	83	278	371	84.7	1,269	17.80	0.29	31.24	2.900	4.700	256,560	256,495
Belyuen Woods Inlet			Field Tested	Field Tested	Field Tested	Field Tested	Field Tested											
SBL090	WQ - Belyuen Outfall Woods Inlet	17/12/2019 13:11:07	7.5	53,900	2.68	37	17	79	<1	2	<0.005	<0.003	0.40	0.009	0.035	2,178	10	
SBL090	WQ - Belyuen Outfall Woods Inlet	23/01/2020 13:36:03	6.6	1,423	3.87	55	90	104	2.8	2	0.30	0.14	0.55	0.010	0.084	145	52	
SBL090	WQ - Belyuen Outfall Woods Inlet	13/02/2020 10:08:00	7.1	47,400	3.31	49	8	135	<1	2	<0.005	0.03	1.97	0.032	0.028	1,354	20	
SBL090	WQ - Belyuen Outfall Woods Inlet	05/03/2020 10:50:00	6.8	3,050	4.15	53	30	3	<2	1	<0.005	0.01	0.10	0.007	0.028	175	<10	
SBL090	WQ - Belyuen Outfall Woods Inlet	22/04/2020 04:59:00	6.7	3,170	4.17	56	38	50	<2	3	<0.005	0.01	0.22	0.010	0.011	281	86	
SBL090	WQ - Belyuen Outfall Woods Inlet	28/05/2020 10:35:00	7.0	50,800	3.60	52	5	5	<2	2	0.013	0.004	1.83	0.012	0.028	933	20	
SBL090	WQ - Belyuen Outfall Woods Inlet	25/06/2020 10:20:00	7.0	50,800	3.60	52	5	6	<2	1	0.005	0.004	1.29	0.016	0.039	627	<10	
SBL090	WQ - Belyuen Outfall Woods Inlet	29/07/2020 11:51:00	7.8	41,600	4.48	61	9	16	<2	4	0.01	<0.003	1.84	0.004	0.046	850	<100	
SBL090	WQ - Belyuen Outfall Woods Inlet	13/08/2020 10:57:00	7.1	45,400	3.03	44	11	12	<2	3	<0.005	0.01	1.62	0.020	0.038	1,281	<10	
SBL090	WQ - Belyuen Outfall Woods Inlet	10/09/2020 09:59:00	6.8	57,000	3.10	49	5	6	<2	2	<0.005	<0.003	0.70	0.004	0.041	657	10	
SBL090	WQ - Belyuen Outfall Woods Inlet	08/10/2020 09:45:00	7.0	26,500	5.78	80	314	28	<2	1	<0.006	<0.003	0.67	0.004	0.033	156	121	
SBL090	WQ - Belyuen Outfall Woods Inlet	19/11/2020 09:50:00	7.4	55,900	3.08	50	9	13	<2	3	<0.005	0.02	0.75	<0.003	0.039	243	31	
SBL090	WQ - Belyuen Outfall Woods Inlet	10/12/2020 11:30:00	7.1	49,900	3.20	53	12	17	<2	8	<0.005	<0.003	1.05	0.017	0.060	148	98	
SBL090	WQ - Belyuen Outfall Woods Inlet	07/01/2021 11:34:00	7.2	6,180	4.17	57	26	21	<2	3	0.003	0.02	0.25	<0.003	0.036	98	31	
SBL090	WQ - Belyuen Outfall Woods Inlet	18/02/2021 12:20:00	7.4	6,580	5.02	85	7	9	<2	2	0.01	0.01	0.15	0.006	0.012	300	246	
SBL090	WQ - Belyuen Outfall Woods Inlet	16/03/2021 10:20:00	5.9	24,100	4.12	55	17	15	<2	3	0.008	<0.005	0.09	0.003	0.033	300	246	
SBL090	WQ - Belyuen Outfall Woods Inlet	22/04/2021 13:58:00	7.8	3,780	4.33	61	11	10	4.0	5	<0.005	0.014	0.07	0.007	0.022	110	10	
SBL090	WQ - Belyuen Outfall Woods Inlet	20/05/2021 10:41:00	7.3	9,810	4.78	62	11	4	<2	1	<0.005	<0.005	0.17	0.006	0.025	63	20	
SBL090	WQ - Belyuen Outfall Woods Inlet	17/06/2021 12:13:00	7.4	44,300	3.73	57	5	<2	<2	5	<0.005	<0.005	0.5	0.009	0.028	241	10	
			No. of Samples	19												19		
			Mean	7.1	30,610	3.91	56	33	28	1.2	3	0.02	0.01	0.75	0.009	0.035	534	57
			Median	7.1	41,600	3.87	55	11	13	1.0	2	0.003	0.00	0.55	0.007	0.033	281	20
			Dry Season Median	7.0	44,850	3.67	55	7	6	1.0	2	0.003	0.003	1.00	0.008	0.036	642	15
			Wet Season Median	7.1	6,580	4.12	55	17	17	1.0	3	0.003	0.01	0.25	0.007	0.033	243	31
			95th Percentile	7.8	56,010	5.10	80	112	107	2.9	5	0.05	0.04	1.85	0.024	0.062	1,436	246
Darwin Harbour Water Quality Objective (Upper Estuary)			6.0-8.5	N/A	N/A	80-100	4	10	N/A	4	0.02	0.02	0.30	0.010	0.026	<200	<50	
ANZECC Guideline Value (Tropical Australia)			7.0-8.5	N/A	N/A	80-120	20	N/A	N/A	2	N/A	0.03	0.25	0.005	0.020	1,000	230	

Notes:

Monitoring values highlighted in red have exceeded the Darwin Harbour Water Quality Objectives (DHWQO) criteria for upper estuary (DEPWS 2021; NRETAS 2010) criteria. Monitoring results highlighted in green have not exceeded the Darwin Harbour Water Quality Objective (NRETAS 2010) criteria. It should note that waste stabilisation pond and source-discharge waters are not expected to comply with these criteria and that these water quality criteria are strictly only applicable to the dry season period. Median value should be utilised to compare with guideline values (ANZECC 2000). In absence of DHWQO, ANZECC Guideline values for Tropical Australia page 3.3-12 have been utilised for comparison purposes (ANZECC & ARMCANZ 2000).

Monitoring values in italics red text are limit of reporting (LOR) laboratory values.

ANZECC guidelines for pathogens are based on secondary contact in recreational waters; faecal coliforms value utilised in absence of *E. coli* value.

Further data collation is required to verify Dry and Wet Season statistical analysis. Pond outlet data highlighted in grey illustrates when pond system was not discharging to the receiving environment - values may not be valid.

Appendix D - Tabulation of Comparative Guideline Values

Table 3.1: Classification of effluent for environmental management			
Constituent	Strength (average concentration mg/L) ¹		
	Low ²	Medium	High
Total nitrogen	<50	50–100	>100
Total phosphorus	<10	10–20	>20
BOD ₅	<40	40–1,500	>1,500
TDS ³	<600	600–1,000	>1,000–2,500
Other pollutants (e.g. metals, pesticides)	Effluent with more than five times ⁴ the ANZECC and ARMCANZ (2000) long-term water quality trigger values for irrigation waters must be considered high strength for the purpose of establishing a strength class for runoff and discharge controls and will require close examination to ensure soil is not contaminated.		
Grease and oil	Effluent with more than 1,500 mg/L of grease and oil must be considered high strength and irrigation rates and practices must be managed to ensure soil and vegetation is not damaged.		

Notes:

1. Average concentrations established from a minimum of 12 representative samples, collected at regular intervals over a year.
2. Effluent generated by municipal sewage treatment plants with secondary treatment will generally be considered to be low strength.
3. Refer to Section 3.7 for relationship of TDS to EC.
4. Criteria of five times the ANZECC and ARMCANZ (2000) long-term irrigation criteria have been selected as nominal criteria at which the level of those contaminants warrants a higher level of management of the reuse system for the following reasons. This criteria when applied to 1 ML/d of effluent irrigated over 100 hectares would take approximately 10 years for soil contaminant levels in the top 15 cm of soil to rise to near the soil contaminant criteria for Cadmium, Chromium and Zinc, which are the most sensitive heavy metal pollutants in this scenario. This criteria is also approximately half the value for Nickel, Mercury, Beryllium and Arsenic at which the effluent would be considered a liquid waste and would need to be managed and disposed of according to the DEC's *Environmental Guidelines for the Assessment, Classification and Management of Liquid and Non-Liquid Waste* (EPA 1999a).

Figure 14 Environmental Guidelines for Classification of Effluent Strength (DEC 2003)

Indicator for Environmental Use: Aquatic Ecosystem Protection	Marine and Estuarine Systems					Freshwater Systems			
	Offshore Marine	Inshore marine	Outer Estuary	Mid Estuary	Upper Estuary	Freshwater Rivers & streams ^a	Aquifer Fed Springs	Lagoons	Groundwater
To maintain and protect the ecological condition of marine, estuarine and freshwater ecosystems of the Darwin Harbour Region.									
DO% saturation	Refer ANZECC (2000)	Refer ANZECC (2000)					To be determined		-
Upper			100	100	100	100		100	
Lower			80	80	75	54		37	
Water Quality Objective	-	-	Maintain DO between 80-100% saturation	Maintain DO between 80-100% saturation	Maintain DO between 80-100% saturation	Maintain DO between 50-100% saturation	-	Maintain DO between 35-100% saturation	-
pH	Refer ANZECC (2000)	Refer ANZECC (2000)							
Upper			8.5	8.5	8.5	7.5	8.0	6.0	8.0
Lower			7.0	7.0	6.0	6.0	7.0	5.0	7.0
Water Quality Objective	-	-	Maintain pH between 7.0-8.5	Maintain pH between 7.0-8.5	Maintain pH between 6-8.5	Maintain pH between 6.0-7.5	Maintain pH between 7.0-8.0	Maintain pH between 5.0-6.0	Maintain pH between 7.0-8.5
Turbidity (NTU)	Refer ANZECC (2000)	Refer ANZECC (2000)	-	-	-	1-20	To be determined	1-2.5	-
Water Quality Objective	-	-	-	-	-	Maintain Turbidity <20 NTU	-	Maintain Turbidity <3 NTU	-
Conductivity (µS/cm)	Refer ANZECC (2000)	Refer ANZECC (2000)	-	-	-	20-200	320-390	13-22	350
Water Quality Objective	-	-	-	-	-	Maintain Conductivity <200 µS/cm	Maintain Natural Conductivity range	Maintain Conductivity <25 µS/cm	Maintain conductivity to < 400 µS/cm
Nutrients (µg/L)	Refer ANZECC (2000)	Refer ANZECC (2000)					To be determined		-
Total N (µg N/L)			440 ^a	270	300	80-225		550	
Water Quality Objective	-	-	Maintain TN <440 µg/L	Maintain TN <270 µg/L	Maintain TN <300 µg/L	Maintain TN <230 µg/L	-	Maintain TN <550 µg/L	-
NOx (µg N/L)			10	17	20	8	nd	8	nd
Water Quality Objective	-	-	Maintain NOx <10 µg/L	Maintain NOx <20 µg/L	Maintain NOx <20 µg/L	Maintain NOx <8 µg/L	-	Maintain NOx <8 µg/L	-
NH ₃ -N (µg/L)			20	20	20			nd	
Water Quality Objective	-	-	Maintain Ammonia <20 µg/L	Maintain Ammonia <20 µg/L	Maintain Ammonia <20 µg/L	-	-	-	-
Total P (µg P/L)			16	20	26	10		18	
Water Quality Objective	-	-	Maintain TP <20 µg/L	Maintain TP <20 µg/L	Maintain TP <30 µg/L	Maintain TP <10 µg/L	-	Maintain TP <20 µg/L	-
FRP (µg P/L)			8 ^a	5	9	5	To be determined	1	
Water Quality Objective	-	-	Maintain FRP <10 µg/L	Maintain FRP <5 µg/L	Maintain FRP <10 µg/L	Maintain FRP <5 µg/L	-	Maintain FRP <5 µg/L	-
Chlorophyll a (µg/L)	Refer ANZECC (2000)	Refer ANZECC (2000)	1	2	4	2	-	6	-
Water Quality Objective	-	-	Maintain Chl a <1 µg/L	Maintain Chl a <2 µg/L	Maintain Chl a <4 µg/L	Maintain Chl a <2 µg/L	-	Maintain Chl a <6 µg/L	-
TSS (mg/L)	-	-	6 ^a	6 ^a	10 ^a	5 ^a	-	-	-
Water Quality Objective	-	-	Maintain TSS <10 mg/L	Maintain TSS <10 mg/L	Maintain TSS <10 mg/L	Maintain TSS <5 mg/L	-	-	-

Figure 15 Darwin Harbour Water Quality Objectives Table (NRETAS 2010)

Appendix E - Key Indicators associated with the environmental impacts of WSPs

Table 35 Assessment end-points for key indicators associated with the discharge from remote community WSPs

Indicator (water quality parameter)	Stressor (change to indicator)	Risk Hypothesis		Assessment end-points	
		ENVIRONMENTAL	CULTURAL	ENVIRONMENTAL	CULTURAL
Gross pollutants	Presence and accumulation of gross pollutants from influent carried through to effluent	That gross and micro-scale pollutants are ingested by biota resulting in death of animals and environmental degradation.	That gross pollutants are resulting in the reduction of visual amenity in the receiving environment.	To maintain the presence of biota in the environment.	To maintain the visual amenity of the environment.
Suspended Solids	Increase in TSS	That a reduction in light penetration is reducing photosynthesis of aquatic plants/phytoplankton and smothering benthic fauna.	That suspended solids are resulting in the reduction of amenity of receiving environment through reduction in water clarity.	To maintain the physical processes and presence of biota in the environment.	To maintain the visual amenity of the environment.
Organic matter	Increase in BOD, decrease in DO	That BOD is leading to oxygen depletion in the environment resulting in loss of biota (e.g. fish kills) and changes to ecosystem structure.	That BOD is leading to odours resulting in the reduction of amenity in the receiving environment.	To maintain the presence of biota in the environment.	To maintain oxygen levels in the environment sufficient to prevent production of odours.
Nutrients (nitrogen and phosphorus)	Increase in nutrient concentrations	That nutrients are leading to nuisance plant growth (e.g. phytoplankton blooms/eutrophication) resulting in oxygen depletion; displacement of endemic species; diminished light availability; release of toxins; and changes to ecosystem structure. Different in marine, estuary and freshwater systems.	That nutrients are resulting in the reduction of amenity of receiving environment through reduction in water clarity, objectionable discolouration and odours; toxic blooms that are a public health risk; and blooms of toxin producing species whereby the toxins bio-accumulate in shellfish and fish ingested by humans.	To maintain nutrient levels so that the levels of primary production do not have an adverse impact on ecosystem structure.	To maintain the amenity of the environment.
Toxicants	Increase in free ammonia concentrations	That free ammonia is resulting in toxicity to aquatic organisms in water and sediments.		To maintain the presence of biota in the environment.	
Pathogens	Presence of <i>E. coli</i>		That pathogens are leading to the contamination of water resulting in primary and secondary contact recreation a public health risk; and accumulation in shellfish resulting in the consumption of shellfish a public health risk.		To maintain that pathogens from municipal wastewater are not increasing the risk of illness via primary and secondary contact recreation and consumption of shellfish.

Table 36 Community assessment of where key indicators are high or low in concentration

Summary of communities with high or low concentrations of key parameters																							
Indicator (water quality parameter)	Community																						
	Acacia Larrakia	Barunga	Belyuen	Beswick	Galiwinku	Gapuwiyak	Gunbalanya	Kalkarindji	Maningrida	Manthathpe	Milikapiti	Milingimbi	Minjilang	Nauyiu	Nganmariyanga	Ngukurr	Numbulwar	Peppimenarti	Pirlangimpi	Ramingining	Wadeye	Warruwi	Wurrumiyanga
Gross pollutants																							
Suspended solids	↓															↓	↑	↓	↑	↑			↓
Organic matter (BOD)	↓									↑						↓	↑	↓		↑			↓
Nutrients (nitrogen)	↓							↑				↑				↑		↓	↑	↑			
Nutrients (phosphorus)	↓		↓		↑	↑						↑				↓				↑			↓
Toxicants (Ammonia)	↓	↓					↑			↓		↑		↑									
Pathogens	↓											↑		↑		↓	↑	↓			↑		
Flow Volume (kL/day)	9	103	85	151	506	233	375	144	687	21	263	816	92	180	85	312	168	86	225	187	285	219	566
Population (ICEG)	92	381	212	627	2,527	1,042	1,437	385	2,811	N/A	547	1,290	377	559	466	1,296	845	232	455	995	2,678	516	1,865
Indigenous Community Engineering Guidelines (2017) - Appendix A: Population and water data for NT remote communities																							

Attachment A – Remote Community WDL Summary Data

The Remote Community WDL Summary Data Excel spreadsheet has been attached to the submission of this Monitoring Report.

Data is extracted from the PWC water quality database and filed on the PWC records management system.

References

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Site Code	Site Description	Collected Date	Physical	
			pH (pH units)	EC (uS/cm)
Acacia Larrakia				
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	11/01/2017 0:00	9.11	222
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	5/07/2017 15:56	9.65	250
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	2/11/2017 16:03	9.51	340
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	18/07/2018 13:46	8.54	270
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	15/01/2019 14:40	8.62	160
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	24/07/2019 08:20:00	8.75	410
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	20/11/2019 08:07:27	8.79	390
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	09/06/2020 09:34:37	8.47	590
SAK030	Wq-Acacia Hillsa Pond 3 Outlet	15/07/2020 09:53:13	9.55	190.0
SAK030	Wq-Acacia Hillsa Pond 3 Outlet	17/11/2020 09:00:12	9.63	470.0
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	16/12/2020 08:34:12	8.41	350.0
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	13/01/2021 09:00:00	8.7	320.0
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	05/05/2021 10:15:06	8.32	260.0
SAK030	Wq-Acacia Hillsa Pond 3 Outlet	16/06/2021 09:27:26	9.54	330.0
No. of Samples			14	
Mean			9.0	325
Median			8.8	325
Median Dry Season			8.8	270
Median Wet Season			8.8	340
95th Percentile			9.6	512
Barunga				
SBR090	Wq-Barunga Pond 5 Outlet	9/03/2016 0:00	8.28	330
SBR090	Wq-Barunga Pond 5 Outlet	13/07/2016 0:00	7.69	390
SBR090	Wq-Barunga Pond 5 Outlet	11/01/2017 0:00	7.82	220
SBR090	Wq-Barunga Pond 5 Outlet	11/07/2017 16:24	8.25	290
SBR090	Wq-Barunga Pond 5 Outlet	16/08/2017 0:00	9.36	300
SBR090	Wq-Barunga Pond 5 Outlet	9/01/2018 16:34	8.13	230
SBR090	Wq-Barunga Pond 5 Outlet	10/07/2018 0:00	9.00	300
SBR090	Wq-Barunga Pond 5 Outlet	8/01/2019 8:14	9.58	220
SBR090	Wq-Barunga Pond 5 Outlet	09/07/2019 06:58:00	8.85	270
SBR090	Wq-Barunga Pond 5 Outlet	08/10/2019 13:07:27	7.3	630
SBR090	Wq-Barunga Pond 5 Outlet	14/01/2020 13:37:27	9.97	330
SBR090	Wq-Barunga Pond 5 Outlet	14/04/2020 06:25:22	7.48	310
SBR090	Wq-Barunga Pond 5 Outlet	14/07/2020 08:50:13	8.04	260.0
SBR090	Wq-Barunga Pond 5 Outlet	13/10/2020 09:05:19	8.08	510
SBR090	Wq-Barunga Pond 5 Outlet	12/01/2021 09:20:00	7.39	310.0
SBR090	Wq-Barunga Pond 5 Outlet	13/04/2021 09:10:00	7.55	250.0
No. of Samples			16	
Mean			8.3	322
Median			8.1	300
Median Dry Season			8.2	300
Median Wet Season			8.0	280
95th Percentile			9.7	540
Belyuen				

SBL090	Wq-Belyuen Pond 2 Outlet	10/03/2016 0:00	6.1	35
SBL090	Wq-Belyuen Pond 2 Outlet	6/07/2016 0:00	6.78	26.8
SBL090	Wq-Belyuen Pond 2 Outlet	4/01/2017 0:00	6.49	56.9
SBL090	Wq-Belyuen Pond 2 Outlet	2/11/2017 16:00	7.24	250
SBL090	Wq-Belyuen Pond 2 Outlet	5/07/2017 12:51	6.34	64
SBL090	Wq-Belyuen Pond 2 Outlet	3/01/2018 14:23	7.13	210
SBL090	Wq-Belyuen Pond 2 Outlet	4/07/2018 12:23	7.28	86
SBL090	Wq-Belyuen Pond 2 Outlet	2/01/2019 12:54	7.41	440
SBL090	Wq-Belyuen Pond 2 Outlet	24/07/2019 07:00:00	7.48	380
SBL090	Wq-Belyuen Pond 2 Outlet	07/08/2019 00:00:00	7.67	440
SBL090	Wq-Belyuen Pond 2 Outlet	04/09/2019 11:16:01	7.75	610
SBL090	Wq-Belyuen Pond 2 Outlet	05/11/2019 10:40:19	7.43	410
SBL090	Wq-Belyuen Pond 2 Outlet	04/12/2019 11:22:22	7.66	340
SBL090	Wq-Belyuen Pond 2 Outlet	08/01/2020 10:18:29	7.55	290
SBL090	Wq-Belyuen Pond 2 Outlet	05/02/2020 10:07:12	7.06	140
SBL090	Wq-Belyuen Pond 2 Outlet	04/03/2020 12:15:33	5.0	30
SBL090	Wq-Belyuen Pond 2 Outlet	08/04/2020 10:30:35	5.75	32
SBL090	Wq-Belyuen Pond 2 Outlet	06/05/2020 09:26:37	5.77	26
SBL090	Wq-Belyuen Pond 2 Outlet	03/06/2020 09:42:51	6.08	47
SBL010	Wq-Belyuen Pond 1 Outlet	08/07/2020 09:05:17	6.94	470.0
SBL010	Wq-Belyuen Pond 1 Outlet	05/08/2020 09:14:33	7.41	530
SBL010	Wq-Belyuen Pond 1 Outlet	02/09/2020 12:08:33	7.59	580
SBL090	Wq-Belyuen Pond 2 Outlet	08/10/2020 08:22:00	7.62	330
SBL090	Wq-Belyuen Pond 2 Outlet	04/11/2020 08:22:29	7.02	350.0
SBL090	Wq-Belyuen Pond 2 Outlet	02/12/2020 08:45:21	7.24	230.0
SBL090	Wq-Belyuen Pond 2 Outlet	06/01/2021 09:15:49	6.09	56.0
SBL090	Wq-Belyuen Pond 2 Outlet	10/02/2021 09:10:52	5.36	24.0
SBL090	Wq-Belyuen Pond 2 Outlet	03/03/2021 09:15:23	5.5	23.0
SBL090	Wq-Belyuen Pond 2 Outlet	07/04/2021 08:34:34	5.53	27.0
SBL090	Wq-Belyuen Pond 2 Outlet	05/05/2021 07:54:58	5.82	32.0
SBL090	Wq-Belyuen Pond 2 Outlet	02/06/2021 09:00:36	6.57	70.0
		No. of Samples	31	
		Mean	6.7	214
		Median	7.0	140
		Median Dry Season	7.1	208
		Median Wet Season	7.0	140
		95th Percentile	6.7	214
Beswick				
SBW001	Wq-Beswick Pond 1 Inlet	11/08/2020 08:25:00	7.77	860
SBW001	Wq-Beswick Pond 1 Inlet	28/09/2020 09:50:51	7.54	890
SBW001	Wq-Beswick Pond 1 Inlet	08/12/2020 07:50:00	7.75	770.0
SBW001	Wq-Beswick Pond 1 Inlet	12/01/2021 07:32:00	7.8	740.0
SBW001	Wq-Beswick Pond 1 Inlet	10/02/2021 14:30:49	7.07	690.0
SBW001	Wq-Beswick Pond 1 Inlet	09/03/2021 09:30:00	7.59	640.0
SBW001	Wq-Beswick Pond 1 Inlet	13/04/2021 07:50:00	7.63	580.0
SBW001	Wq-Beswick Pond 1 Inlet	11/05/2021 08:15:00	7.61	690.0
SBW001	Wq-Beswick Pond 1 Inlet	08/06/2021 08:00:00	7.41	600.0
		Mean	7.70	709.60
		Median	7.62	690.00
SBW002	Wq-Beswick Pond 2 Inlet	11/08/2020 08:20:00	6.82	1,900

SBW002	Wq-Beswick Pond 2 Inlet	28/09/2020 10:32:51	7.74	890
SBW002	Wq-Beswick Pond 2 Inlet	08/12/2020 08:00:00	7.4	710.0
SBW002	Wq-Beswick Pond 2 Inlet	12/01/2021 07:40:00	7.49	600.0
SBW002	Wq-Beswick Pond 2 Inlet	10/02/2021 14:30:49	8.61	460.0
SBW002	Wq-Beswick Pond 2 Inlet	09/03/2021 09:35:00	8.31	480.0
SBW002	Wq-Beswick Pond 2 Inlet	13/04/2021 07:55:00	8.62	560.0
SBW002	Wq-Beswick Pond 2 Inlet	11/05/2021 08:20:00	8.05	570.0
SBW002	Wq-Beswick Pond 2 Inlet	08/06/2021 08:15:00	8.17	530.0
Mean			7.91	744.44
Median			8.05	570.00
SBW090	Wq-Beswick Pond 2 Outlet	11/01/2017 0:00	8.8	534
SBW090	Wq-Beswick Pond 2 Outlet	11/07/2017 16:28	7.91	900
SBW090	Wq-Beswick Pond 2 Outlet	16/08/2017 0:00	9.42	510
SBW090	Wq-Beswick Pond 2 Outlet	9/01/2018 16:37	9.57	470
SBW090	Wq-Beswick Pond 2 Outlet	10/07/2018 0:00	8.63	780
SBW090	Wq-Beswick Pond 2 Outlet	8/01/2019 8:12	8.86	550
SBW090	Wq-Beswick Pond 2 Outlet	09/07/2019 07:03:00	8.38	840
SBW090	Wq-Beswick Pond 2 Outlet	14/01/2020 08:50:00	9.41	500
SBW090	Wq-Beswick Pond 2 Outlet	14/04/2020 06:15:32	8.41	700
SBW090	Wq-Beswick Pond 2 Outlet	14/07/2020 07:15:29	8.45	620.0
SBW090	Wq-Beswick Pond 2 Outlet	11/08/2020 08:15:00	8.26	790
SBW090	Wq-Beswick Pond 2 Outlet	28/09/2020 10:05:51	7.71	1,100
SBW090	Wq-Beswick Pond 2 Outlet	18/11/2020 14:10:00	8.34	840.0
SBW090	Wq-Beswick Pond 2 Outlet	08/12/2020 08:05:00	7.72	1,100.0
SBW090	Wq-Beswick Pond 2 Outlet	12/01/2021 07:45:00	8.24	560.0
SBW090	Wq-Beswick Pond 2 Outlet	10/02/2021 14:30:49	8.5	470.0
SBW090	Wq-Beswick Pond 2 Outlet	09/03/2021 09:40:00	8.39	480.0
SBW090	Wq-Beswick Pond 2 Outlet	13/04/2021 08:00:00	8.52	560.0
SBW090	Wq-Beswick Pond 2 Outlet	11/05/2021 08:25:00	8.09	570.0
SBW090	Wq-Beswick Pond 2 Outlet	08/06/2021 08:30:00	8.2	530.0
No. of Samples			20	
Mean			8.5	670.2
Median			8.4	565.0
Median Dry Season			8.3	780.0
Median Wet Season			8.5	550.0
95th Percentile			9.4	1100.0
% Removal				
Galiwinku				
SGA001	Wq-Galiwinku Pond 1 Inlet	8/11/2011 0:00	6.88	624
SGA001	Wq-Galiwinku Pond 1 Inlet	17/07/2012 0:00	7.07	508
SGA001	Wq-Galiwinku Pond 1 Inlet	14/08/2012 0:00	6.89	440
SGA001	Wq-Galiwinku Pond 1 Inlet	18/09/2012 0:00	7.09	458
SGA001	Wq-Galiwinku Pond 1 Inlet	16/10/2012 0:00	6.75	470
SGA001	Wq-Galiwinku Pond 1 Inlet	20/11/2012 0:00	6.76	608
SGA001	Wq-Galiwinku Pond 1 Inlet	18/12/2012 0:00	6.61	492
SGA001	Wq-Galiwinku Pond 1 Inlet	15/01/2013 0:00	6.81	552
SGA001	Wq-Galiwinku Pond 1 Inlet	19/02/2013 0:00	6.72	504
SGA001	Wq-Galiwinku Pond 1 Inlet	19/03/2013 0:00	6.8	486
SGA001	Wq-Galiwinku Pond 1 Inlet	16/04/2013 0:00	6.92	560
SGA001	Wq-Galiwinku Pond 1 Inlet	14/05/2013 0:00	6.82	464

SGA001	Wq-Galiwinku Pond 1 Inlet	18/06/2013 0:00	6.76	490
SGA001	Wq-Galiwinku Pond 1 Inlet	16/07/2013 0:00	6.98	490
SGA001	Wq-Galiwinku Pond 1 Inlet	20/08/2013 0:00	6.83	468
SGA001	Wq-Galiwinku Pond 1 Inlet	24/09/2013 0:00	7.22	518
SGA001	Wq-Galiwinku Pond 1 Inlet	15/10/2013 0:00	6.87	568
SGA001	Wq-Galiwinku Pond 1 Inlet	12/11/2013 0:00	7.57	478
SGA001	Wq-Galiwinku Pond 1 Inlet	18/02/2014 0:00	6.91	422
SGA001	Wq-Galiwinku Pond 1 Inlet	18/03/2014 0:00	6.73	396
SGA001	Wq-Galiwinku Pond 1 Inlet	8/04/2014 0:00	6.92	442
SGA001	Wq-Galiwinku Pond 1 Inlet	22/04/2014 0:00	6.87	538
SGA001	Wq-Galiwinku Pond 1 Inlet	20/05/2014 0:00	6.97	530
SGA001	Wq-Galiwinku Pond 1 Inlet	17/06/2014 0:00	7.65	470
SGA001	Wq-Galiwinku Pond 1 Inlet	15/07/2014 0:00	6.81	570
SGA001	Wq-Galiwinku Pond 1 Inlet	19/08/2014 0:00	6.86	596
SGA001	Wq-Galiwinku Pond 1 Inlet	16/09/2014 0:00	6.82	574
SGA001	Wq-Galiwinku Pond 1 Inlet	21/10/2014 0:00	6.85	558
SGA001	Wq-Galiwinku Pond 1 Inlet	18/11/2014 0:00	6.94	522
SGA001	Wq-Galiwinku Pond 1 Inlet	16/12/2014 0:00	6.88	516
SGA001	Wq-Galiwinku Pond 1 Inlet	13/01/2015 0:00	7.27	402
SGA001	Wq-Galiwinku Pond 1 Inlet	16/03/2015 0:00	7.16	444
SGA001	Wq-Galiwinku Pond 1 Inlet	20/04/2015 0:00	6.97	390
SGA001	Wq-Galiwinku Pond 1 Inlet	19/05/2015 0:00	7.12	428
SGA001	Wq-Galiwinku Pond 1 Inlet	15/06/2015 0:00	7.02	450
SGA001	Wq-Galiwinku Pond 1 Inlet	20/07/2015 0:00	6.75	494
SGA001	Wq-Galiwinku Pond 1 Inlet	17/08/2015 0:00	7.46	522
SGA001	Wq-Galiwinku Pond 1 Inlet	15/09/2015 0:00	6.98	580
SGA001	Wq-Galiwinku Pond 1 Inlet	20/10/2015 0:00	6.81	630
SGA001	Wq-Galiwinku Pond 1 Inlet	15/12/2015 0:00	6.91	622
SGA001	Wq-Galiwinku Pond 1 Inlet	27/01/2016 0:00	7.06	586
SGA001	Wq-Galiwinku Pond 1 Inlet	16/02/2016 0:00	6.99	620
SGA001	Wq-Galiwinku Pond 1 Inlet	1/03/2016 0:00	6.86	552
SGA001	Wq-Galiwinku Pond 1 Inlet	19/04/2016 0:00	7.06	534
SGA001	Wq-Galiwinku Pond 1 Inlet	17/05/2016 0:00	6.9	580
SGA001	Wq-Galiwinku Pond 1 Inlet	21/06/2016 0:00	7.23	684
SGA001	Wq-Galiwinku Pond 1 Inlet	19/07/2016 0:00	6.73	666
SGA001	Wq-Galiwinku Pond 1 Inlet	16/08/2016 0:00	6.87	630
SGA001	Wq-Galiwinku Pond 1 Inlet	20/09/2016 0:00	6.96	644
SGA001	Wq-Galiwinku Pond 1 Inlet	17/01/2017 0:00	6.85	416
SGA001	Wq-Galiwinku Pond 1 Inlet	22/02/2017 0:00	6.78	390
SGA001	Wq-Galiwinku Pond 1 Inlet	21/03/2017 0:00	6.92	420
SGA001	Wq-Galiwinku Pond 1 Inlet	18/04/2017 0:00	6.84	380
SGA001	Wq-Galiwinku Pond 1 Inlet	16/05/2017 0:00	6.78	500
SGA001	Wq-Galiwinku Pond 1 Inlet	20/06/2017 15:04	6.85	600
SGA001	Wq-Galiwinku Pond 1 Inlet	18/07/2017 16:50	6.88	650
SGA001	Wq-Galiwinku Pond 1 Inlet	15/08/2017 0:00	7.1	710
SGA001	Wq-Galiwinku Pond 1 Inlet	19/09/2017 0:00	6.93	670
SGA001	Wq-Galiwinku Pond 1 Inlet	17/10/2017 0:00	6.94	720
SGA001	Wq-Galiwinku Pond 1 Inlet	21/11/2017 0:00	6.95	730
SGA001	Wq-Galiwinku Pond 1 Inlet	19/12/2017 16:00	7.05	700
SGA001	Wq-Galiwinku Pond 1 Inlet	16/01/2018 16:11	7.04	720

SGA001	Wq-Galiwinku Pond 1 Inlet	27/02/2018 0:00	6.73	470
SGA001	Wq-Galiwinku Pond 1 Inlet	20/03/2018 0:00	6.72	400
SGA001	Wq-Galiwinku Pond 1 Inlet	15/05/2018 0:00	7.14	570
SGA001	Wq-Galiwinku Pond 1 Inlet	19/06/2018 16:14	7.23	670
SGA001	Wq-Galiwinku Pond 1 Inlet	24/07/2018 0:00	6.86	710
SGA001	Wq-Galiwinku Pond 1 Inlet	01/09/2020 09:30:00	6.77	720.0
SGA001	Wq-Galiwinku Pond 1 Inlet	15/09/2020 07:00:00	6.86	680.0
SGA001	Wq-Galiwinku Pond 1 Inlet	20/10/2020 09:00:00	not suitable	not suitable
SGA001	Wq-Galiwinku Pond 1 Inlet	17/11/2020 10:00:00	6.78	640.0
SGA001	Wq-Galiwinku Pond 1 Inlet	15/12/2020 09:30:53	6.67	670.0
SGA001	Wq-Galiwinku Pond 1 Inlet	20/01/2021 09:00:33	8.29	340.0
SGA001	Wq-Galiwinku Pond 1 Inlet	16/02/2021 09:24:35	6.81	390.0
SGA001	Wq-Galiwinku Pond 1 Inlet	02/03/2021 08:30:01	6.77	410.0
SGA001	Wq-Galiwinku Pond 1 Inlet	09/03/2021 09:00:00	6.85	450.0
SGA001	Wq-Galiwinku Pond 1 Inlet	20/04/2021 09:30:00	6.8	480.0
SGA001	Wq-Galiwinku Pond 1 Inlet	11/05/2021 08:30:03	6.87	470.0
SGA001	Wq-Galiwinku Pond 1 Inlet	15/06/2021 09:30:47	6.82	570.0
Mean			6.92	568.31
95% Percentile			7.18	720.00
SGA002	Wq-Galiwinku Pond 2 Inlet	8/11/2011 0:00	7.26	644
SGA002	Wq-Galiwinku Pond 2 Inlet	17/07/2012 0:00	7.41	542
SGA002	Wq-Galiwinku Pond 2 Inlet	14/08/2012 0:00	7.44	534
SGA002	Wq-Galiwinku Pond 2 Inlet	18/09/2012 0:00	7.29	536
SGA002	Wq-Galiwinku Pond 2 Inlet	16/10/2012 0:00	7.32	510
SGA002	Wq-Galiwinku Pond 2 Inlet	20/11/2012 0:00	7.13	522
SGA002	Wq-Galiwinku Pond 2 Inlet	18/12/2012 0:00	7.03	460
SGA002	Wq-Galiwinku Pond 2 Inlet	15/01/2013 0:00	7.16	484
SGA002	Wq-Galiwinku Pond 2 Inlet	19/02/2013 0:00	7.03	492
SGA002	Wq-Galiwinku Pond 2 Inlet	19/03/2013 0:00	7.11	472
SGA002	Wq-Galiwinku Pond 2 Inlet	16/04/2013 0:00	6.99	516
SGA002	Wq-Galiwinku Pond 2 Inlet	14/05/2013 0:00	6.78	562
SGA002	Wq-Galiwinku Pond 2 Inlet	18/06/2013 0:00	6.81	446
SGA002	Wq-Galiwinku Pond 2 Inlet	16/07/2013 0:00	7.28	462
SGA002	Wq-Galiwinku Pond 2 Inlet	20/08/2013 0:00	6.87	444
SGA002	Wq-Galiwinku Pond 2 Inlet	24/09/2013 0:00	7.54	488
SGA002	Wq-Galiwinku Pond 2 Inlet	15/10/2013 0:00	6.87	550
SGA002	Wq-Galiwinku Pond 2 Inlet	18/02/2014 0:00	7.74	316
SGA002	Wq-Galiwinku Pond 2 Inlet	18/03/2014 0:00	7.26	372
SGA002	Wq-Galiwinku Pond 2 Inlet	8/04/2014 0:00	7.65	438
SGA002	Wq-Galiwinku Pond 2 Inlet	22/04/2014 0:00	7.11	488
SGA002	Wq-Galiwinku Pond 2 Inlet	20/05/2014 0:00	7.87	448
SGA002	Wq-Galiwinku Pond 2 Inlet	17/06/2014 0:00	8.04	478
SGA002	Wq-Galiwinku Pond 2 Inlet	15/07/2014 0:00	7.38	566
SGA002	Wq-Galiwinku Pond 2 Inlet	19/08/2014 0:00	7.39	536
SGA002	Wq-Galiwinku Pond 2 Inlet	16/09/2014 0:00	7.41	528
SGA002	Wq-Galiwinku Pond 2 Inlet	21/10/2014 0:00	7.44	512
SGA002	Wq-Galiwinku Pond 2 Inlet	18/11/2014 0:00	7.87	430
SGA002	Wq-Galiwinku Pond 2 Inlet	16/12/2014 0:00	7.25	468
SGA002	Wq-Galiwinku Pond 2 Inlet	13/01/2015 0:00	7.25	370
SGA002	Wq-Galiwinku Pond 2 Inlet	16/03/2015 0:00	7.34	386

SGA002	Wq-Galiwinku Pond 2 Inlet	20/04/2015 0:00	7.18	356
SGA002	Wq-Galiwinku Pond 2 Inlet	19/05/2015 0:00	7.46	410
SGA002	Wq-Galiwinku Pond 2 Inlet	15/06/2015 0:00	7.27	430
SGA002	Wq-Galiwinku Pond 2 Inlet	20/07/2015 0:00	7.34	472
SGA002	Wq-Galiwinku Pond 2 Inlet	17/08/2015 0:00	7.01	534
SGA002	Wq-Galiwinku Pond 2 Inlet	15/09/2015 0:00	7.65	496
SGA002	Wq-Galiwinku Pond 2 Inlet	20/10/2015 0:00	7.64	548
SGA002	Wq-Galiwinku Pond 2 Inlet	15/12/2015 0:00	7.83	500
SGA002	Wq-Galiwinku Pond 2 Inlet	27/01/2016 0:00	7.62	496
SGA002	Wq-Galiwinku Pond 2 Inlet	16/02/2016 0:00	7.45	444
SGA002	Wq-Galiwinku Pond 2 Inlet	1/03/2016 0:00	7.41	452
SGA002	Wq-Galiwinku Pond 2 Inlet	19/04/2016 0:00	7.44	494
SGA002	Wq-Galiwinku Pond 2 Inlet	17/05/2016 0:00	8.01	460
SGA002	Wq-Galiwinku Pond 2 Inlet	21/06/2016 0:00	7.57	586
SGA002	Wq-Galiwinku Pond 2 Inlet	19/07/2016 0:00	7.47	586
SGA002	Wq-Galiwinku Pond 2 Inlet	16/08/2016 0:00	7.6	536
SGA002	Wq-Galiwinku Pond 2 Inlet	20/09/2016 0:00	7.46	582
SGA002	Wq-Galiwinku Pond 2 Inlet	18/10/2016 0:00	7.64	576
SGA002	Wq-Galiwinku Pond 2 Inlet	17/01/2017 0:00	7.26	380
SGA002	Wq-Galiwinku Pond 2 Inlet	22/02/2017 0:00	7.04	370
SGA002	Wq-Galiwinku Pond 2 Inlet	21/03/2017 0:00	7.11	410
SGA002	Wq-Galiwinku Pond 2 Inlet	18/04/2017 0:00	7.01	380
SGA002	Wq-Galiwinku Pond 2 Inlet	16/05/2017 0:00	7.04	500
SGA002	Wq-Galiwinku Pond 2 Inlet	20/06/2017 15:04	7.15	580
SGA002	Wq-Galiwinku Pond 2 Inlet	18/07/2017 16:50	7.14	640
SGA002	Wq-Galiwinku Pond 2 Inlet	15/08/2017 0:00	7.31	610
SGA002	Wq-Galiwinku Pond 2 Inlet	19/09/2017 0:00	7.36	650
SGA002	Wq-Galiwinku Pond 2 Inlet	17/10/2017 0:00	7.32	680
SGA002	Wq-Galiwinku Pond 2 Inlet	21/11/2017 0:00	7.14	680
SGA002	Wq-Galiwinku Pond 2 Inlet	19/12/2017 16:00	7.21	660
SGA002	Wq-Galiwinku Pond 2 Inlet	16/01/2018 16:11	7.26	640
SGA002	Wq-Galiwinku Pond 2 Inlet	27/02/2018 0:00	6.96	440
SGA002	Wq-Galiwinku Pond 2 Inlet	20/03/2018 0:00	7.08	380
SGA002	Wq-Galiwinku Pond 2 Inlet	15/05/2018 0:00	7.44	560
SGA002	Wq-Galiwinku Pond 2 Inlet	19/06/2018 16:14	7.48	630
SGA002	Wq-Galiwinku Pond 2 Inlet	24/07/2018 0:00	6.86	700
SGA002	Wq-Galiwinku Pond 2 Inlet	01/09/2020 09:30:00	7.29	660.0
SGA002	Wq-Galiwinku Pond 2 Inlet	15/09/2020 07:00:00	7.25	630.0
SGA002	Wq-Galiwinku Pond 2 Inlet	20/10/2020 09:00:00	7.23	620.0
SGA002	Wq-Galiwinku Pond 2 Inlet	17/11/2020 10:00:00	7.16	560.0
SGA002	Wq-Galiwinku Pond 2 Inlet	15/12/2020 09:30:53	7.1	550.0
SGA002	Wq-Galiwinku Pond 2 Inlet	20/01/2021 09:00:33	7.22	450.0
SGA002	Wq-Galiwinku Pond 2 Inlet	16/02/2021 09:30:35	6.97	370.0
SGA002	Wq-Galiwinku Pond 2 Inlet	02/03/2021 08:30:01	7.03	390.0
SGA002	Wq-Galiwinku Pond 2 Inlet	09/03/2021 09:00:00	7.07	420.0
SGA002	Wq-Galiwinku Pond 2 Inlet	20/04/2021 09:30:00	7.1	460.0
SGA002	Wq-Galiwinku Pond 2 Inlet	11/05/2021 08:30:03	7.2	460.0
SGA002	Wq-Galiwinku Pond 2 Inlet	15/06/2021 09:30:47	7.17	550.0

Mean

7.2

537.9

95th Percentile

7.5

680.0

Mean Dry Season

SGA090	Wq-Galiwinku Pond 2 Outlet	8/11/2011 0:00	9.07	486
SGA090	Wq-Galiwinku Pond 2 Outlet	17/07/2012 0:00	7.64	522
SGA090	Wq-Galiwinku Pond 2 Outlet	14/08/2012 0:00	7.68	500
SGA090	Wq-Galiwinku Pond 2 Outlet	18/09/2012 0:00	7.97	490
SGA090	Wq-Galiwinku Pond 2 Outlet	16/10/2012 0:00	7.94	484
SGA090	Wq-Galiwinku Pond 2 Outlet	20/11/2012 0:00	8.92	414
SGA090	Wq-Galiwinku Pond 2 Outlet	18/12/2012 0:00	8.69	414
SGA090	Wq-Galiwinku Pond 2 Outlet	15/01/2013 0:00	7.79	402
SGA090	Wq-Galiwinku Pond 2 Outlet	19/02/2013 0:00	7.76	374
SGA090	Wq-Galiwinku Pond 2 Outlet	19/03/2013 0:00	7.66	366
SGA090	Wq-Galiwinku Pond 2 Outlet	16/04/2013 0:00	7.86	354
SGA090	Wq-Galiwinku Pond 2 Outlet	14/05/2013 0:00	8.34	350
SGA090	Wq-Galiwinku Pond 2 Outlet	18/06/2013 0:00	7.52	432
SGA090	Wq-Galiwinku Pond 2 Outlet	16/07/2013 0:00	8.08	418
SGA090	Wq-Galiwinku Pond 2 Outlet	20/08/2013 0:00	7.96	420
SGA090	Wq-Galiwinku Pond 2 Outlet	24/09/2013 0:00	7.8	464
SGA090	Wq-Galiwinku Pond 2 Outlet	15/10/2013 0:00	7.75	458
SGA090	Wq-Galiwinku Pond 2 Outlet	12/11/2013 0:00	8.33	422
SGA090	Wq-Galiwinku Pond 2 Outlet	18/02/2014 0:00	6.95	396
SGA090	Wq-Galiwinku Pond 2 Outlet	18/03/2014 0:00	7.09	394
SGA090	Wq-Galiwinku Pond 2 Outlet	8/04/2014 0:00	7.83	394
SGA090	Wq-Galiwinku Pond 2 Outlet	22/04/2014 0:00	7.46	470
SGA090	Wq-Galiwinku Pond 2 Outlet	20/05/2014 0:00	7.54	488
SGA090	Wq-Galiwinku Pond 2 Outlet	17/06/2014 0:00	7.98	464
SGA090	Wq-Galiwinku Pond 2 Outlet	15/07/2014 0:00	7.42	516
SGA090	Wq-Galiwinku Pond 2 Outlet	19/08/2014 0:00	7.6	522
SGA090	Wq-Galiwinku Pond 2 Outlet	16/09/2014 0:00	8.17	452
SGA090	Wq-Galiwinku Pond 2 Outlet	21/10/2014 0:00	7.81	488
SGA090	Wq-Galiwinku Pond 2 Outlet	18/11/2014 0:00	7.38	472
SGA090	Wq-Galiwinku Pond 2 Outlet	16/12/2014 0:00	7.78	406
SGA090	Wq-Galiwinku Pond 2 Outlet	13/01/2015 0:00	7.39	340
SGA090	Wq-Galiwinku Pond 2 Outlet	16/03/2015 0:00	7.57	356
SGA090	Wq-Galiwinku Pond 2 Outlet	20/04/2015 0:00	7.28	334
SGA090	Wq-Galiwinku Pond 2 Outlet	19/05/2015 0:00	7.71	378
SGA090	Wq-Galiwinku Pond 2 Outlet	15/06/2015 0:00	7.33	420
SGA090	Wq-Galiwinku Pond 2 Outlet	20/07/2015 0:00	7.63	466
SGA090	Wq-Galiwinku Pond 2 Outlet	17/08/2015 0:00	8.16	458
SGA090	Wq-Galiwinku Pond 2 Outlet	15/09/2015 0:00	7.99	456
SGA090	Wq-Galiwinku Pond 2 Outlet	20/10/2015 0:00	7.94	486
SGA090	Wq-Galiwinku Pond 2 Outlet	15/12/2015 0:00	8.11	436
SGA090	Wq-Galiwinku Pond 2 Outlet	27/01/2016 0:00	7.77	446
SGA090	Wq-Galiwinku Pond 2 Outlet	16/02/2016 0:00	7.77	374
SGA090	Wq-Galiwinku Pond 2 Outlet	1/03/2016 0:00	8.05	392
SGA090	Wq-Galiwinku Pond 2 Outlet	19/04/2016 0:00	7.46	448
SGA090	Wq-Galiwinku Pond 2 Outlet	17/05/2016 0:00	7.35	534
SGA090	Wq-Galiwinku Pond 2 Outlet	21/06/2016 0:00	7.7	542
SGA090	Wq-Galiwinku Pond 2 Outlet	19/07/2016 0:00	7.89	550
SGA090	Wq-Galiwinku Pond 2 Outlet	16/08/2016 0:00	7.85	492
SGA090	Wq-Galiwinku Pond 2 Outlet	20/09/2016 0:00	7.83	552

SGA090	Wq-Galiwinku Pond 2 Outlet	18/10/2016 0:00	7.89	530
SGA090	Wq-Galiwinku Pond 2 Outlet	17/01/2017 0:00	7.52	342
SGA090	Wq-Galiwinku Pond 2 Outlet	22/02/2017 0:00	8.24	330
SGA090	Wq-Galiwinku Pond 2 Outlet	21/03/2017 0:00	7.61	380
SGA090	Wq-Galiwinku Pond 2 Outlet	18/04/2017 0:00	7.84	330
SGA090	Wq-Galiwinku Pond 2 Outlet	16/05/2017 0:00	8.05	410
SGA090	Wq-Galiwinku Pond 2 Outlet	20/06/2017 15:04	7.57	510
SGA090	Wq-Galiwinku Pond 2 Outlet	18/07/2017 16:50	7.56	550
SGA090	Wq-Galiwinku Pond 2 Outlet	15/08/2017 0:00	8.16	490
SGA090	Wq-Galiwinku Pond 2 Outlet	19/09/2017 0:00	7.98	580
SGA090	Wq-Galiwinku Pond 2 Outlet	17/10/2017 0:00	7.68	590
SGA090	Wq-Galiwinku Pond 2 Outlet	21/11/2017 0:00	7.72	530
SGA090	Wq-Galiwinku Pond 2 Outlet	19/12/2017 16:00	7.89	550
SGA090	Wq-Galiwinku Pond 2 Outlet	16/01/2018 16:11	8.15	460
SGA090	Wq-Galiwinku Pond 2 Outlet	27/02/2018 0:00	7.55	380
SGA090	Wq-Galiwinku Pond 2 Outlet	20/03/2018 0:00	7.73	340
SGA090	Wq-Galiwinku Pond 2 Outlet	15/05/2018 0:00	7.85	460
SGA090	Wq-Galiwinku Pond 2 Outlet	19/06/2018 16:14	8.03	540
SGA090	Wq-Galiwinku Pond 2 Outlet	24/07/2018 0:00	7.67	570
SGA090	Wq-Galiwinku Pond 2 Outlet	8/01/2019 8:18	7.58	450
SGA090	Wq-Galiwinku Pond 2 Outlet	16/07/2019 07:00:00	7.93	540
SGA090	Wq-Galiwinku Pond 2 Outlet	21/01/2020 09:11:03	7.35	380
SGA090	Wq-Galiwinku Pond 2 Outlet	21/07/2020 09:30:21	7.32	530.0
SGA090	Wq-Galiwinku Pond 2 Outlet	01/09/2020 09:30:00	8.08	560.0
SGA090	Wq-Galiwinku Pond 2 Outlet	15/09/2020 07:00:00	7.62	540.0
SGA090	Wq-Galiwinku Pond 2 Outlet	20/10/2020 09:00:00	8.21	510.0
SGA090	Wq-Galiwinku Pond 2 Outlet	17/11/2020 10:00:00	7.78	410.0
SGA090	Wq-Galiwinku Pond 2 Outlet	15/12/2020 09:30:53	6.96	370.0
SGA090	Wq-Galiwinku Pond 2 Outlet	20/01/2021 09:00:33	6.91	520.0
SGA090	Wq-Galiwinku Pond 2 Outlet	16/02/2021 09:35:35	7.82	300.0
SGA090	Wq-Galiwinku Pond 2 Outlet	02/03/2021 08:30:01	7.58	320.0
SGA090	Wq-Galiwinku Pond 2 Outlet	09/03/2021 09:00:00	7.7	320.0
SGA090	Wq-Galiwinku Pond 2 Outlet	20/04/2021 09:30:00	8.39	330.0
SGA090	Wq-Galiwinku Pond 2 Outlet	11/05/2021 08:30:03	7.77	400.0
SGA090	Wq-Galiwinku Pond 2 Outlet	15/06/2021 09:30:47	7.77	430.0
		No. of Samples	50	
		Mean	7.76	457.26
		Median	7.78	475.00
		Median Dry Season	7.85	530.00
		Median Wet Season	7.73	380.00
		95th Percentile	8.21	571.50
		% Removal		
Gapuwiyak				
SGW001	Wq-Gapuwiyak Pond 1 Inlet	11/08/2020 07:00:00	6.77	720
SGW001	Wq-Gapuwiyak Pond 1 Inlet	08/09/2020 07:10:00	6.91	610
SGW001	Wq-Gapuwiyak Pond 1 Inlet	20/10/2020 06:20:00	7.06	620.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	10/11/2020 06:30:00	7.04	650.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	08/12/2020 06:40:00	6.97	580.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	12/01/2021 03:40:00	6.88	520.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	09/02/2021 03:50:56	7.14	410.0

SGW001	Wq-Gapuwiyak Pond 1 Inlet	09/03/2021 07:10:00	6.81	390.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	13/04/2021 06:50:54	6.86	320.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	11/05/2021 08:30:50	6.88	480.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	08/06/2021 06:40:00	6.99	410.0
Mean			6.94	519.09
Median			6.91	520.00
SGW002	Wq-Gapuwiyak Pond 2 Inlet	11/08/2020 07:15:00	6.86	730
SGW002	Wq-Gapuwiyak Pond 2 Inlet	08/09/2020 07:20:00	7.05	620
SGW002	Wq-Gapuwiyak Pond 2 Inlet	20/10/2020 06:30:00	7.23	580.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	10/11/2020 06:50:00	7.21	650.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	08/12/2020 07:00:00	7.17	550.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	12/01/2021 04:00:00	7.07	470.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	09/02/2021 03:33:56	6.75	390.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	09/03/2021 07:30:00	7.0	390.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	13/04/2021 07:10:54	7.0	370.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	11/05/2021 08:30:50	7.04	470.0
SGW002	Wq-Gapuwiyak Pond 2 Inlet	08/06/2021 07:00:00	7.14	470.0
Mean			7.05	517.27
Median			7.05	470.00
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/01/2017 0:00	8.04	388
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/07/2017 16:13	7.66	470
SGW090	Wq-Gapuwiyak Pond 3 Outlet	9/01/2018 16:40	7.63	450
SGW090	Wq-Gapuwiyak Pond 3 Outlet	17/04/2018 16:40	8.8	400
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/07/2018 0:00	8.03	530
SGW090	Wq-Gapuwiyak Pond 3 Outlet	8/01/2019 8:21	8.64	350
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/07/2019 07:07:00	7.65	490
SGW090	Wq-Gapuwiyak Pond 3 Outlet	14/01/2020 14:24:06	7.77	310
SGW090	Wq-Gapuwiyak Pond 3 Outlet	14/04/2020 06:22:49	7.53	370
SGW090	Wq-Gapuwiyak Pond 3 Outlet	07/07/2020 07:00:00	7.5	440.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/08/2020 07:30:00	7.7	470
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/09/2020 07:30:00	7.57	520
SGW090	Wq-Gapuwiyak Pond 3 Outlet	20/10/2020 07:10:00	7.74	510.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/11/2020 07:10:00	7.52	530.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/12/2020 07:20:00	7.57	470.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	12/01/2021 04:20:00	7.68	340.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/02/2021 03:10:56	8.65	300.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/03/2021 07:50:00	7.29	310.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	13/04/2021 18:30:54	7.44	280.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/05/2021 08:30:50	7.39	400.0
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/06/2021 07:20:00	7.57	400.0
No. of Samples			21	
Mean			7.8	416
Median			7.7	400
Median Dry Season			7.7	470
Median Wet Season			7.7	360
95th Percentile			8.7	530
% Removal				
Kalkarindji				
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/01/2017 0:00	8.36	558
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/07/2017 16:45	8.03	910

SKJ090	Wq-Kalkarindji Pond 4 Outlet	16/01/2018 16:08	8.62	750
SKJ090	Wq-Kalkarindji Pond 4 Outlet	17/07/2018 0:00	8.77	850
SKJ090	Wq-Kalkarindji Pond 4 Outlet	15/01/2019 8:51	8.67	880
SKJ090	Wq-Kalkarindji Pond 4 Outlet	16/07/2019 06:29:00	8.94	1,000
SKJ090	Wq-Kalkarindji Pond 4 Outlet	21/01/2020 08:50:32	8.43	960
SKJ090	Wq-Kalkarindji Pond 4 Outlet	19/05/2020 08:01:05	8.43	1,100
SKJ090	Wq-Kalkarindji Pond 4 Outlet	21/07/2020 08:09:35	8.36	1,200.0
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/08/2020 08:30:17	8.61	610
SKJ090	Wq-Kalkarindji Pond 4 Outlet	20/10/2020 00:00:00	8.54	1,100.0
SKJ090	Wq-Kalkarindji Pond 4 Outlet	19/01/2021 15:30:26	8.78	940.0
SKJ090	Wq-Kalkarindji Pond 4 Outlet	23/03/2021 09:21:35	8.57	810.0
SKJ090	Wq-Kalkarindji Pond 4 Outlet	20/04/2021 08:04:00	8.83	850.0
		No. of Samples	14	
		Mean	8.6	894.1
		Median	8.6	895.0
		Median Dry Season	8.5	1000.0
		Median Wet Season	8.6	850.0
		95th Percentile	8.9	1135.0
Maningrida				
SMN001	Wq-Maningrida Pond 1 Inlet	17/07/2012 0:00	7.16	652
SMN001	Wq-Maningrida Pond 1 Inlet	14/08/2012 0:00	7.28	534
SMN001	Wq-Maningrida Pond 1 Inlet	18/09/2012 0:00	7.36	508
SMN001	Wq-Maningrida Pond 1 Inlet	16/10/2012 0:00	7.46	526
SMN001	Wq-Maningrida Pond 1 Inlet	20/11/2012 0:00	7.35	382
SMN001	Wq-Maningrida Pond 1 Inlet	18/12/2012 0:00	7.3	344
SMN001	Wq-Maningrida Pond 1 Inlet	15/01/2013 0:00	7.01	462
SMN001	Wq-Maningrida Pond 1 Inlet	19/02/2013 0:00	7.03	430
SMN001	Wq-Maningrida Pond 1 Inlet	19/03/2013 0:00	7.23	378
SMN001	Wq-Maningrida Pond 1 Inlet	16/04/2013 0:00	7.12	428
SMN001	Wq-Maningrida Pond 1 Inlet	14/05/2013 0:00	7.27	426
SMN001	Wq-Maningrida Pond 1 Inlet	18/06/2013 0:00	7.1	448
SMN001	Wq-Maningrida Pond 1 Inlet	16/07/2013 0:00	7.2	478
SMN001	Wq-Maningrida Pond 1 Inlet	20/08/2013 0:00	7.21	444
SMN001	Wq-Maningrida Pond 1 Inlet	24/09/2013 0:00	7.35	496
SMN001	Wq-Maningrida Pond 1 Inlet	15/10/2013 0:00	7.17	502
SMN001	Wq-Maningrida Pond 1 Inlet	19/11/2013 0:00	7.04	454
SMN001	Wq-Maningrida Pond 1 Inlet	17/12/2013 0:00	7.43	486
SMN001	Wq-Maningrida Pond 1 Inlet	21/01/2014 0:00	7.24	434
SMN001	Wq-Maningrida Pond 1 Inlet	18/02/2014 0:00	7.19	414
SMN001	Wq-Maningrida Pond 1 Inlet	18/03/2014 0:00	7	432
SMN001	Wq-Maningrida Pond 1 Inlet	22/04/2014 0:00	7.09	438
SMN001	Wq-Maningrida Pond 1 Inlet	20/05/2014 0:00	7.04	498
SMN001	Wq-Maningrida Pond 1 Inlet	17/06/2014 0:00	7.41	482
SMN001	Wq-Maningrida Pond 1 Inlet	17/07/2014 0:00	7.15	508
SMN001	Wq-Maningrida Pond 1 Inlet	19/08/2014 0:00	7.01	500
SMN001	Wq-Maningrida Pond 1 Inlet	16/09/2014 0:00	6.81	502
SMN001	Wq-Maningrida Pond 1 Inlet	21/10/2014 0:00	7.14	476
SMN001	Wq-Maningrida Pond 1 Inlet	18/11/2014 0:00	7.01	442
SMN001	Wq-Maningrida Pond 1 Inlet	16/12/2014 0:00	7.12	372
SMN001	Wq-Maningrida Pond 1 Inlet	13/01/2015 0:00	7.44	314

SMN001	Wq-Maningrida Pond 1 Inlet	16/02/2015 0:00	6.93	396
SMN001	Wq-Maningrida Pond 1 Inlet	16/03/2015 0:00	7.14	352
SMN001	Wq-Maningrida Pond 1 Inlet	19/05/2015 0:00	7.54	374
SMN001	Wq-Maningrida Pond 1 Inlet	15/06/2015 0:00	7.15	378
SMN001	Wq-Maningrida Pond 1 Inlet	20/07/2015 0:00	7.33	412
SMN001	Wq-Maningrida Pond 1 Inlet	15/09/2015 0:00	7.31	390
SMN001	Wq-Maningrida Pond 1 Inlet	20/10/2015 0:00	7.14	374
SMN001	Wq-Maningrida Pond 1 Inlet	15/12/2015 0:00	7.42	346
SMN001	Wq-Maningrida Pond 1 Inlet	19/01/2016 0:00	7.22	328
SMN001	Wq-Maningrida Pond 1 Inlet	16/02/2016 0:00	7.04	328
SMN001	Wq-Maningrida Pond 1 Inlet	2/03/2016 0:00	6.79	350
SMN001	Wq-Maningrida Pond 1 Inlet	15/03/2016 0:00	7.13	448
SMN001	Wq-Maningrida Pond 1 Inlet	19/04/2016 0:00	7.16	356
SMN001	Wq-Maningrida Pond 1 Inlet	29/06/2016 0:00	8.13	400
SMN001	Wq-Maningrida Pond 1 Inlet	6/07/2016 0:00	7.16	370
SMN001	Wq-Maningrida Pond 1 Inlet	16/08/2016 0:00	7.22	386
SMN001	Wq-Maningrida Pond 1 Inlet	27/09/2016 0:00	7.36	406
SMN001	Wq-Maningrida Pond 1 Inlet	18/10/2016 0:00	7.29	462
SMN001	Wq-Maningrida Pond 1 Inlet	17/01/2017 0:00	7.7	362
SMN001	Wq-Maningrida Pond 1 Inlet	21/03/2017 0:00	7.13	390
SMN001	Wq-Maningrida Pond 1 Inlet	16/05/2017 0:00	7.17	380
SMN001	Wq-Maningrida Pond 1 Inlet	20/06/2017 0:00	7.06	400
SMN001	Wq-Maningrida Pond 1 Inlet	18/07/2017 16:54	7.18	410
SMN001	Wq-Maningrida Pond 1 Inlet	15/08/2017 0:00	7.4	430
SMN001	Wq-Maningrida Pond 1 Inlet	19/09/2017 0:00	7.04	570
SMN001	Wq-Maningrida Pond 1 Inlet	26/09/2017 0:00	7.35	430
SMN001	Wq-Maningrida Pond 1 Inlet	17/10/2017 0:00	7.19	410
SMN001	Wq-Maningrida Pond 1 Inlet	21/11/2017 0:00	6.9	500
SMN001	Wq-Maningrida Pond 1 Inlet	19/12/2017 16:07	7.11	370
SMN001	Wq-Maningrida Pond 1 Inlet	9/01/2018 16:42	6.87	420
SMN001	Wq-Maningrida Pond 1 Inlet	20/02/2018 0:00	7.34	340
SMN001	Wq-Maningrida Pond 1 Inlet	20/03/2018 0:00	6.66	390
SMN001	Wq-Maningrida Pond 1 Inlet	17/04/2018 16:33	7.24	610
SMN001	Wq-Maningrida Pond 1 Inlet	15/05/2018 0:00	7.37	450
SMN001	Wq-Maningrida Pond 1 Inlet	17/07/2018 0:00	7.24	500
SMN001	Wq-Maningrida Pond 1 Inlet	11/08/2020 10:30:00	6.98	1,200
SMN001	Wq-Maningrida Pond 1 Inlet	15/09/2020 09:20:00	6.92	470
SMN001	Wq-Maningrida Pond 1 Inlet	20/10/2020 11:00:00	6.92	430.0
SMN001	Wq-Maningrida Pond 1 Inlet	17/11/2020 10:00:00	6.92	440.0
SMN001	Wq-Maningrida Pond 1 Inlet	08/12/2020 10:30:00	6.94	440.0
SMN001	Wq-Maningrida Pond 1 Inlet	20/01/2021 09:30:04	6.94	420.0
SMN001	Wq-Maningrida Pond 1 Inlet	16/03/2021 08:00:00	6.99	390.0
SMN001	Wq-Maningrida Pond 1 Inlet	20/04/2021 08:00:00	6.87	360.0
SMN001	Wq-Maningrida Pond 1 Inlet	15/06/2021 09:20:39	7.02	450.0
		Mean	7.1	452.9
		95% Percentile	7.4	592.0
SMN002	Wq-Maningrida Pond 2 Inlet	17/07/2012 0:00	7.48	550
SMN002	Wq-Maningrida Pond 2 Inlet	14/08/2012 0:00	7.37	510
SMN002	Wq-Maningrida Pond 2 Inlet	18/09/2012 0:00	7.54	516

SMN002	Wq-Maningrida Pond 2 Inlet	16/10/2012 0:00	7.44	488
SMN002	Wq-Maningrida Pond 2 Inlet	20/11/2012 0:00	7.71	400
SMN002	Wq-Maningrida Pond 2 Inlet	18/12/2012 0:00	8.28	354
SMN002	Wq-Maningrida Pond 2 Inlet	15/01/2013 0:00	7.31	386
SMN002	Wq-Maningrida Pond 2 Inlet	19/02/2013 0:00	7.23	384
SMN002	Wq-Maningrida Pond 2 Inlet	19/03/2013 0:00	7.76	346
SMN002	Wq-Maningrida Pond 2 Inlet	16/04/2013 0:00	7.67	380
SMN002	Wq-Maningrida Pond 2 Inlet	14/05/2013 0:00	7.78	402
SMN002	Wq-Maningrida Pond 2 Inlet	18/06/2013 0:00	7.25	414
SMN002	Wq-Maningrida Pond 2 Inlet	16/07/2013 0:00	7.48	440
SMN002	Wq-Maningrida Pond 2 Inlet	20/08/2013 0:00	7.41	448
SMN002	Wq-Maningrida Pond 2 Inlet	24/09/2013 0:00	7.43	498
SMN002	Wq-Maningrida Pond 2 Inlet	15/10/2013 0:00	7.65	442
SMN002	Wq-Maningrida Pond 2 Inlet	19/11/2013 0:00	7.14	446
SMN002	Wq-Maningrida Pond 2 Inlet	17/12/2013 0:00	7.59	466
SMN002	Wq-Maningrida Pond 2 Inlet	21/01/2014 0:00	7.64	394
SMN002	Wq-Maningrida Pond 2 Inlet	18/02/2014 0:00	7.54	364
SMN002	Wq-Maningrida Pond 2 Inlet	18/03/2014 0:00	7.23	390
SMN002	Wq-Maningrida Pond 2 Inlet	22/04/2014 0:00	7.37	398
SMN002	Wq-Maningrida Pond 2 Inlet	20/05/2014 0:00	7.18	450
SMN002	Wq-Maningrida Pond 2 Inlet	17/06/2014 0:00	7.78	444
SMN002	Wq-Maningrida Pond 2 Inlet	17/07/2014 0:00	7.3	470
SMN002	Wq-Maningrida Pond 2 Inlet	19/08/2014 0:00	7.2	480
SMN002	Wq-Maningrida Pond 2 Inlet	16/09/2014 0:00	7.43	418
SMN002	Wq-Maningrida Pond 2 Inlet	21/10/2014 0:00	7.18	456
SMN002	Wq-Maningrida Pond 2 Inlet	18/11/2014 0:00	7.29	426
SMN002	Wq-Maningrida Pond 2 Inlet	16/12/2014 0:00	7.34	374
SMN002	Wq-Maningrida Pond 2 Inlet	13/01/2015 0:00	8.02	314
SMN002	Wq-Maningrida Pond 2 Inlet	16/02/2015 0:00	7.15	360
SMN002	Wq-Maningrida Pond 2 Inlet	16/03/2015 0:00	7.29	318
SMN002	Wq-Maningrida Pond 2 Inlet	19/05/2015 0:00	7.4	388
SMN002	Wq-Maningrida Pond 2 Inlet	15/06/2015 0:00	7.14	376
SMN002	Wq-Maningrida Pond 2 Inlet	20/07/2015 0:00	7.27	394
SMN002	Wq-Maningrida Pond 2 Inlet	15/09/2015 0:00	7.79	356
SMN002	Wq-Maningrida Pond 2 Inlet	20/10/2015 0:00	7.25	376
SMN002	Wq-Maningrida Pond 2 Inlet	15/12/2015 0:00	7.39	340
SMN002	Wq-Maningrida Pond 2 Inlet	19/01/2016 0:00	7.41	284
SMN002	Wq-Maningrida Pond 2 Inlet	16/02/2016 0:00	7.35	270
SMN002	Wq-Maningrida Pond 2 Inlet	2/03/2016 0:00	7.06	296
SMN002	Wq-Maningrida Pond 2 Inlet	15/03/2016 0:00	7.54	422
SMN002	Wq-Maningrida Pond 2 Inlet	19/04/2016 0:00	7.31	326
SMN002	Wq-Maningrida Pond 2 Inlet	29/06/2016 0:00	7.35	352
SMN002	Wq-Maningrida Pond 2 Inlet	6/07/2016 0:00	7.44	356
SMN002	Wq-Maningrida Pond 2 Inlet	16/08/2016 0:00	7.28	376
SMN002	Wq-Maningrida Pond 2 Inlet	27/09/2016 0:00	8.57	300
SMN002	Wq-Maningrida Pond 2 Inlet	18/10/2016 0:00	7.53	386
SMN002	Wq-Maningrida Pond 2 Inlet	17/01/2017 0:00	7.49	326
SMN002	Wq-Maningrida Pond 2 Inlet	21/03/2017 0:00	7.63	300
SMN002	Wq-Maningrida Pond 2 Inlet	16/05/2017 0:00	7.55	330
SMN002	Wq-Maningrida Pond 2 Inlet	20/06/2017 0:00	7.4	400

SMN002	Wq-Maningrida Pond 2 Inlet	18/07/2017 16:54	7.36	380
SMN002	Wq-Maningrida Pond 2 Inlet	15/08/2017 0:00	7.4	420
SMN002	Wq-Maningrida Pond 2 Inlet	19/09/2017 0:00	7.35	430
SMN002	Wq-Maningrida Pond 2 Inlet	26/09/2017 0:00	7.15	440
SMN002	Wq-Maningrida Pond 2 Inlet	17/10/2017 0:00	7.2	370
SMN002	Wq-Maningrida Pond 2 Inlet	21/11/2017 0:00	7.22	350
SMN002	Wq-Maningrida Pond 2 Inlet	19/12/2017 16:07	7.25	340
SMN002	Wq-Maningrida Pond 2 Inlet	9/01/2018 16:42	7.27	390
SMN002	Wq-Maningrida Pond 2 Inlet	20/02/2018 0:00	7.57	290
SMN002	Wq-Maningrida Pond 2 Inlet	20/03/2018 0:00	7.41	340
SMN002	Wq-Maningrida Pond 2 Inlet	17/04/2018 16:33	7.23	400
SMN002	Wq-Maningrida Pond 2 Inlet	15/05/2018 0:00	7.66	390
SMN002	Wq-Maningrida Pond 2 Inlet	17/07/2018 0:00	7.3	500
SMN002	Wq-Maningrida Pond 2 Inlet	11/08/2020 10:35:00	7.03	460
SMN002	Wq-Maningrida Pond 2 Inlet	15/09/2020 09:25:00	7.3	410
SMN002	Wq-Maningrida Pond 2 Inlet	20/10/2020 11:03:00	7.27	370.0
SMN002	Wq-Maningrida Pond 2 Inlet	17/11/2020 10:00:00	6.99	440.0
SMN002	Wq-Maningrida Pond 2 Inlet	08/12/2020 10:37:00	7.15	430.0
SMN002	Wq-Maningrida Pond 2 Inlet	20/01/2021 09:35:04	7.24	330.0
SMN002	Wq-Maningrida Pond 2 Inlet	16/03/2021 08:05:00	7.19	310.0
SMN002	Wq-Maningrida Pond 2 Inlet	20/04/2021 08:00:00	7.05	320.0
SMN002	Wq-Maningrida Pond 2 Inlet	15/06/2021 09:20:39	9.78	240.0
		Mean	7.4	370.8
		95% Percentile	8.2	451.0
SMN090	Wq-Maningrida Pond 3 Outlet	17/07/2012 0:00	7.5	554
SMN090	Wq-Maningrida Pond 3 Outlet	14/08/2012 0:00	7.46	512
SMN090	Wq-Maningrida Pond 3 Outlet	18/09/2012 0:00	7.5	516
SMN090	Wq-Maningrida Pond 3 Outlet	16/10/2012 0:00	7.46	498
SMN090	Wq-Maningrida Pond 3 Outlet	20/11/2012 0:00	7.4	414
SMN090	Wq-Maningrida Pond 3 Outlet	18/12/2012 0:00	8.57	348
SMN090	Wq-Maningrida Pond 3 Outlet	15/01/2013 0:00	7.77	362
SMN090	Wq-Maningrida Pond 3 Outlet	19/02/2013 0:00	7.2	384
SMN090	Wq-Maningrida Pond 3 Outlet	19/03/2013 0:00	8.31	344
SMN090	Wq-Maningrida Pond 3 Outlet	16/04/2013 0:00	7.5	380
SMN090	Wq-Maningrida Pond 3 Outlet	14/05/2013 0:00	7.48	396
SMN090	Wq-Maningrida Pond 3 Outlet	18/06/2013 0:00	7.22	412
SMN090	Wq-Maningrida Pond 3 Outlet	16/07/2013 0:00	7.42	438
SMN090	Wq-Maningrida Pond 3 Outlet	20/08/2013 0:00	7.33	454
SMN090	Wq-Maningrida Pond 3 Outlet	24/09/2013 0:00	7.57	472
SMN090	Wq-Maningrida Pond 3 Outlet	15/10/2013 0:00	8.12	440
SMN090	Wq-Maningrida Pond 3 Outlet	19/11/2013 0:00	7.31	434
SMN090	Wq-Maningrida Pond 3 Outlet	17/12/2013 0:00	7.39	482
SMN090	Wq-Maningrida Pond 3 Outlet	21/01/2014 0:00	8.81	370
SMN090	Wq-Maningrida Pond 3 Outlet	18/02/2014 0:00	7.62	362
SMN090	Wq-Maningrida Pond 3 Outlet	18/03/2014 0:00	7.08	404
SMN090	Wq-Maningrida Pond 3 Outlet	22/04/2014 0:00	7.52	394
SMN090	Wq-Maningrida Pond 3 Outlet	20/05/2014 0:00	7.14	450
SMN090	Wq-Maningrida Pond 3 Outlet	17/06/2014 0:00	7.82	446
SMN090	Wq-Maningrida Pond 3 Outlet	17/07/2014 0:00	7.24	454
SMN090	Wq-Maningrida Pond 3 Outlet	19/08/2014 0:00	7.26	466

SMN090	Wq-Maningrida Pond 3 Outlet	16/09/2014 0:00	7.67	418
SMN090	Wq-Maningrida Pond 3 Outlet	21/10/2014 0:00	7.2	454
SMN090	Wq-Maningrida Pond 3 Outlet	18/11/2014 0:00	7.39	402
SMN090	Wq-Maningrida Pond 3 Outlet	16/12/2014 0:00	8.32	372
SMN090	Wq-Maningrida Pond 3 Outlet	13/01/2015 0:00	8.21	316
SMN090	Wq-Maningrida Pond 3 Outlet	16/02/2015 0:00	7.14	358
SMN090	Wq-Maningrida Pond 3 Outlet	16/03/2015 0:00	7.9	306
SMN090	Wq-Maningrida Pond 3 Outlet	19/05/2015 0:00	7.5	394
SMN090	Wq-Maningrida Pond 3 Outlet	15/06/2015 0:00	7.44	384
SMN090	Wq-Maningrida Pond 3 Outlet	20/07/2015 0:00	7.51	390
SMN090	Wq-Maningrida Pond 3 Outlet	15/09/2015 0:00	8.18	344
SMN090	Wq-Maningrida Pond 3 Outlet	20/10/2015 0:00	7.34	390
SMN090	Wq-Maningrida Pond 3 Outlet	15/12/2015 0:00	8.23	324
SMN090	Wq-Maningrida Pond 3 Outlet	19/01/2016 0:00	7.86	280
SMN090	Wq-Maningrida Pond 3 Outlet	16/02/2016 0:00	7.35	252
SMN090	Wq-Maningrida Pond 3 Outlet	2/03/2016 0:00	7.48	262
SMN090	Wq-Maningrida Pond 3 Outlet	15/03/2016 0:00	7.83	388
SMN090	Wq-Maningrida Pond 3 Outlet	19/04/2016 0:00	7.51	298
SMN090	Wq-Maningrida Pond 3 Outlet	29/06/2016 0:00	7.55	328
SMN090	Wq-Maningrida Pond 3 Outlet	6/07/2016 0:00	7.59	318
SMN090	Wq-Maningrida Pond 3 Outlet	16/08/2016 0:00	7.39	352
SMN090	Wq-Maningrida Pond 3 Outlet	27/09/2016 0:00	9.68	272
SMN090	Wq-Maningrida Pond 3 Outlet	18/10/2016 0:00	7.61	348
SMN090	Wq-Maningrida Pond 3 Outlet	17/01/2017 0:00	8.77	280
SMN090	Wq-Maningrida Pond 3 Outlet	21/03/2017 0:00	8.95	240
SMN090	Wq-Maningrida Pond 3 Outlet	16/05/2017 0:00	7.61	310
SMN090	Wq-Maningrida Pond 3 Outlet	20/06/2017 0:00	7.52	360
SMN090	Wq-Maningrida Pond 3 Outlet	18/07/2017 16:54	7.47	350
SMN090	Wq-Maningrida Pond 3 Outlet	15/08/2017 0:00	7.36	350
SMN090	Wq-Maningrida Pond 3 Outlet	19/09/2017 0:00	7.97	380
SMN090	Wq-Maningrida Pond 3 Outlet	26/09/2017 0:00	9.05	350
SMN090	Wq-Maningrida Pond 3 Outlet	17/10/2017 0:00	7.65	340
SMN090	Wq-Maningrida Pond 3 Outlet	21/11/2017 0:00	8.25	320
SMN090	Wq-Maningrida Pond 3 Outlet	19/12/2017 16:07	7.4	320
SMN090	Wq-Maningrida Pond 3 Outlet	9/01/2018 16:42	8.89	310
SMN090	Wq-Maningrida Pond 3 Outlet	20/02/2018 0:00	8.11	260
SMN090	Wq-Maningrida Pond 3 Outlet	20/03/2018 0:00	8.11	280
SMN090	Wq-Maningrida Pond 3 Outlet	17/04/2018 16:33	7.61	290
SMN090	Wq-Maningrida Pond 3 Outlet	15/05/2018 0:00	7.96	320
SMN090	Wq-Maningrida Pond 3 Outlet	17/07/2018 0:00	7.64	460
SMN090	Wq-Maningrida Pond 3 Outlet	15/01/2019 8:41	8.11	250
SMN090	Wq-Maningrida Pond 3 Outlet	16/07/2019 06:42:00	8.02	400
SMN090	Wq-Maningrida Pond 3 Outlet	21/01/2020 09:00:00	7.74	320
SMN090	Wq-Maningrida Pond 3 Outlet	21/07/2020 10:01:21	7.62	420.0
SMN090	Wq-Maningrida Pond 3 Outlet	11/08/2020 10:40:00	8.92	410
SMN090	Wq-Maningrida Pond 3 Outlet	15/09/2020 09:30:00	7.62	380
SMN090	Wq-Maningrida Pond 3 Outlet	20/10/2020 11:10:00	7.85	360.0
SMN090	Wq-Maningrida Pond 3 Outlet	17/11/2020 10:15:00	7.28	380.0
SMN090	Wq-Maningrida Pond 3 Outlet	08/12/2020 10:43:00	7.37	420.0
SMN090	Wq-Maningrida Pond 3 Outlet	20/01/2021 09:43:04	7.66	280.0

SMN090	Wq-Maningrida Pond 3 Outlet	16/03/2021 08:10:00	7.25	290.0
SMN090	Wq-Maningrida Pond 3 Outlet	20/04/2021 08:00:00	7.06	310.0
SMN090	Wq-Maningrida Pond 3 Outlet	15/06/2021 09:20:39	7.57	380.0
		No. of Samples	34	
		Mean	7.9	336
		Median	7.6	330
		Median Dry Season	7.6	351
		Median Wet Season	7.7	290
		95th Percentile	9.0	420
		% Removal		
Manthathpe				
SMP001	Wq-Manthathpe Pond 1 Inlet	12/08/2020 06:30:53	7.29	270
SMP001	Wq-Manthathpe Pond 1 Inlet	09/09/2020 07:30:00	7.02	260
SMP001	Wq-Manthathpe Pond 1 Inlet	14/10/2020 07:30:41	7.26	260
SMP001	Wq-Manthathpe Pond 1 Inlet	11/11/2020 07:30:00	7.35	240.0
SMP001	Wq-Manthathpe Pond 1 Inlet	09/12/2020 07:40:00	6.99	210.0
SMP001	Wq-Manthathpe Pond 1 Inlet	13/01/2021 07:00:00	7.11	180.0
SMP001	Wq-Manthathpe Pond 1 Inlet	10/02/2021 07:50:38	6.55	110.0
SMP001	Wq-Manthathpe Pond 1 Inlet	10/03/2021 06:30:12	6.74	100.0
SMP001	Wq-Manthathpe Pond 1 Inlet	14/04/2021 07:00:00	6.93	150.0
SMP001	Wq-Manthathpe Pond 1 Inlet	12/05/2021 07:00:00	7.03	220.0
SMP001	Wq-Manthathpe Pond 1 Inlet	09/06/2021 07:00:00	6.98	240.0
Mean			7.02	203.64
Median			7.02	220.00
SMP002	Wq-Manthathpe Pond 2 Inlet	12/08/2020 06:40:53	7.85	270
SMP002	Wq-Manthathpe Pond 2 Inlet	09/09/2020 07:40:00	9.0	270
SMP002	Wq-Manthathpe Pond 2 Inlet	14/10/2020 07:50:41	7.47	260
SMP002	Wq-Manthathpe Pond 2 Inlet	11/11/2020 07:40:00	8.02	270.0
SMP002	Wq-Manthathpe Pond 2 Inlet	09/12/2020 07:50:00	8.75	210.0
SMP002	Wq-Manthathpe Pond 2 Inlet	13/01/2021 07:15:00	7.46	160.0
SMP002	Wq-Manthathpe Pond 2 Inlet	10/02/2021 08:00:38	6.82	96.0
SMP002	Wq-Manthathpe Pond 2 Inlet	10/03/2021 06:50:12	6.8	94.0
SMP002	Wq-Manthathpe Pond 2 Inlet	14/04/2021 07:00:00	6.61	91.0
SMP002	Wq-Manthathpe Pond 2 Inlet	12/05/2021 07:20:00	6.85	110.0
SMP002	Wq-Manthathpe Pond 2 Inlet	09/06/2021 07:20:00	7.13	160.0
Mean			7.52	181.00
Median			7.46	160.00
SMP090	Wq-Manthathpe Pond 2 Outlet	17/01/2017 0:00	7.85	134
SMP090	Wq-Manthathpe Pond 2 Outlet	12/07/2017 13:31	7.26	190
SMP090	Wq-Manthathpe Pond 2 Outlet	10/01/2018 13:01	7.58	190
SMP090	Wq-Manthathpe Pond 2 Outlet	11/07/2018 9:29	7.02	170
SMP090	Wq-Manthathpe Pond 2 Outlet	9/01/2019 13:05	8.47	230
SMP090	Wq-Manthathpe Pond 2 Outlet	10/07/2019 10:29:00	7.92	270
SMP090	Wq-Manthathpe Pond 2 Outlet	22/01/2020 12:18:00	7.4	190
SMP090	Wq-Manthathpe Pond 2 Outlet	15/07/2020 08:00:42	7.42	240.0
SMP090	Wq-Manthathpe Pond 2 Outlet	12/08/2020 06:50:53	8.34	270
SMP090	Wq-Manthathpe Pond 2 Outlet	09/09/2020 07:50:00	9.13	270
SMP090	Wq-Manthathpe Pond 2 Outlet	14/10/2020 08:10:41	7.6	260
SMP090	Wq-Manthathpe Pond 2 Outlet	11/11/2020 07:50:00	7.66	270.0
SMP090	Wq-Manthathpe Pond 2 Outlet	09/12/2020 08:00:00	7.28	220.0

SMP090	Wq-Manthathpe Pond 2 Outlet	13/01/2021 07:30:00	7.52	160.0
SMP090	Wq-Manthathpe Pond 2 Outlet	10/02/2021 08:10:38	6.87	94.0
SMP090	Wq-Manthathpe Pond 2 Outlet	10/03/2021 07:10:12	6.89	92.0
SMP090	Wq-Manthathpe Pond 2 Outlet	14/04/2021 07:40:00	6.72	90.0
SMP090	Wq-Manthathpe Pond 2 Outlet	12/05/2021 07:40:00	7.04	110.0
SMP090	Wq-Manthathpe Pond 2 Outlet	09/06/2021 07:40:00	7.06	150.0
		No. of Samples	19	
		Mean	7.5	189
		Median	7.4	190
		Median Dry Season	7.4	240
		Median Wet Season	7.4	160
		95th Percentile	8.5	270
		% Removal		
		Log Reduction		
Milikapiti				
SMI090	Wq-Milikapiti Pond 3 Outlet	2/03/2016 0:00	7.77	380
SMI090	Wq-Milikapiti Pond 3 Outlet	6/07/2016 0:00	8.19	336
SMI090	Wq-Milikapiti Pond 3 Outlet	4/01/2017 0:00	7.67	288
SMI090	Wq-Milikapiti Pond 3 Outlet	4/07/2017 16:36	7.93	520
SMI090	Wq-Milikapiti Pond 3 Outlet	2/01/2018 14:11	7.78	240
SMI090	Wq-Milikapiti Pond 3 Outlet	3/07/2018 14:33	7.63	430
SMI090	Wq-Milikapiti Pond 3 Outlet	2/01/2019 15:12	7.56	380
SMI090	Wq-Milikapiti Pond 3 Outlet	02/07/2019 00:00:00	7.63	370
SMI090	Wq-Milikapiti Pond 3 Outlet	01/10/2019 08:00:00	7.49	440
SMI090	Wq-Milikapiti Pond 3 Outlet	07/01/2020 12:56:59	8.06	360
SMI090	Wq-Milikapiti Pond 3 Outlet	07/04/2020 07:15:15	7.86	330
SMI090	Wq-Milikapiti Pond 3 Outlet	07/07/2020 09:16:00	7.27	360
SMI090	Wq-Milikapiti Pond 3 Outlet	03/11/2020 08:25:00	7.23	370
SMI090	Wq-Milikapiti Pond 3 Outlet	05/01/2021 09:30:21	7.33	350
SMI090	Wq-Milikapiti Pond 3 Outlet	06/04/2021 08:31:00	7.08	310
		No. of Samples	15	
		Mean	7.6	364
		Median	7.6	360
		Average Dry Season	7.6	400
		Average Wet Season	7.7	350
		95th Percentile	8.1	464
Milingimbi				
SML001	Wq-Milingimbi Pond 1 Inlet	28/08/2008 0:00	6.8	474
SML001	Wq-Milingimbi Pond 1 Inlet	19/06/2012 0:00	6.8	406
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2012 0:00	7.02	580
SML001	Wq-Milingimbi Pond 1 Inlet	14/08/2012 0:00	7.02	508
SML001	Wq-Milingimbi Pond 1 Inlet	18/09/2012 0:00	7.06	574
SML001	Wq-Milingimbi Pond 1 Inlet	20/11/2012 0:00	7.16	532
SML001	Wq-Milingimbi Pond 1 Inlet	18/12/2012 0:00	7.01	568
SML001	Wq-Milingimbi Pond 1 Inlet	15/01/2013 0:00	6.95	526
SML001	Wq-Milingimbi Pond 1 Inlet	19/02/2013 0:00	6.9	664
SML001	Wq-Milingimbi Pond 1 Inlet	19/03/2013 0:00	6.84	940
SML001	Wq-Milingimbi Pond 1 Inlet	16/04/2013 0:00	7.03	788
SML001	Wq-Milingimbi Pond 1 Inlet	14/05/2013 0:00	6.95	812

SML001	Wq-Milingimbi Pond 1 Inlet	19/06/2013 0:00	6.75	820
SML001	Wq-Milingimbi Pond 1 Inlet	16/07/2013 0:00	7.14	838
SML001	Wq-Milingimbi Pond 1 Inlet	19/11/2013 0:00	6.84	730
SML001	Wq-Milingimbi Pond 1 Inlet	21/01/2014 0:00	6.7	824
SML001	Wq-Milingimbi Pond 1 Inlet	18/02/2014 0:00	6.98	614
SML001	Wq-Milingimbi Pond 1 Inlet	18/03/2014 0:00	6.66	686
SML001	Wq-Milingimbi Pond 1 Inlet	22/04/2014 0:00	6.89	816
SML001	Wq-Milingimbi Pond 1 Inlet	20/05/2014 0:00	6.79	772
SML001	Wq-Milingimbi Pond 1 Inlet	17/06/2014 0:00	7.59	704
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2014 0:00	6.77	676
SML001	Wq-Milingimbi Pond 1 Inlet	19/08/2014 0:00	6.73	770
SML001	Wq-Milingimbi Pond 1 Inlet	16/09/2014 0:00	6.76	662
SML001	Wq-Milingimbi Pond 1 Inlet	21/10/2014 0:00	6.79	758
SML001	Wq-Milingimbi Pond 1 Inlet	18/11/2014 0:00	6.83	716
SML001	Wq-Milingimbi Pond 1 Inlet	16/12/2014 0:00	6.89	664
SML001	Wq-Milingimbi Pond 1 Inlet	13/01/2015 0:00	6.93	654
SML001	Wq-Milingimbi Pond 1 Inlet	16/02/2015 0:00	6.9	892
SML001	Wq-Milingimbi Pond 1 Inlet	16/03/2015 0:00	6.97	672
SML001	Wq-Milingimbi Pond 1 Inlet	20/04/2015 0:00	6.89	612
SML001	Wq-Milingimbi Pond 1 Inlet	19/05/2015 0:00	7.19	718
SML001	Wq-Milingimbi Pond 1 Inlet	15/06/2015 0:00	7.05	684
SML001	Wq-Milingimbi Pond 1 Inlet	20/07/2015 0:00	7	684
SML001	Wq-Milingimbi Pond 1 Inlet	17/08/2015 0:00	6.99	728
SML001	Wq-Milingimbi Pond 1 Inlet	14/09/2015 0:00	7.42	740
SML001	Wq-Milingimbi Pond 1 Inlet	17/11/2015 0:00	6.69	526
SML001	Wq-Milingimbi Pond 1 Inlet	24/11/2015 0:00	6.73	812
SML001	Wq-Milingimbi Pond 1 Inlet	2/12/2015 0:00	7.17	814
SML001	Wq-Milingimbi Pond 1 Inlet	15/12/2015 0:00	7.17	870
SML001	Wq-Milingimbi Pond 1 Inlet	19/01/2016 0:00	7.13	948
SML001	Wq-Milingimbi Pond 1 Inlet	16/02/2016 0:00	7.58	992
SML001	Wq-Milingimbi Pond 1 Inlet	15/03/2016 0:00	7.13	1100
SML001	Wq-Milingimbi Pond 1 Inlet	19/04/2016 0:00	7.28	1020
SML001	Wq-Milingimbi Pond 1 Inlet	17/05/2016 0:00	7.24	1040
SML001	Wq-Milingimbi Pond 1 Inlet	21/06/2016 0:00	7.3	1030
SML001	Wq-Milingimbi Pond 1 Inlet	19/07/2016 0:00	7.12	1080
SML001	Wq-Milingimbi Pond 1 Inlet	16/08/2016 0:00	7.29	1140
SML001	Wq-Milingimbi Pond 1 Inlet	20/09/2016 0:00	7.38	1060
SML001	Wq-Milingimbi Pond 1 Inlet	18/10/2016 0:00	7.43	1030
SML001	Wq-Milingimbi Pond 1 Inlet	29/12/2016 0:00	7.19	1090
SML001	Wq-Milingimbi Pond 1 Inlet	17/01/2017 0:00	7.09	1450
SML001	Wq-Milingimbi Pond 1 Inlet	22/02/2017 0:00	7.15	1000
SML001	Wq-Milingimbi Pond 1 Inlet	21/03/2017 0:00	7.07	460
SML001	Wq-Milingimbi Pond 1 Inlet	18/04/2017 0:00	6.92	580
SML001	Wq-Milingimbi Pond 1 Inlet	16/05/2017 0:00	7.01	810
SML001	Wq-Milingimbi Pond 1 Inlet	20/06/2017 0:00	7.07	1100
SML001	Wq-Milingimbi Pond 1 Inlet	18/07/2017 16:57	7.28	1100
SML001	Wq-Milingimbi Pond 1 Inlet	15/08/2017 0:00	7.45	930
SML001	Wq-Milingimbi Pond 1 Inlet	19/09/2017 0:00	7.3	990
SML001	Wq-Milingimbi Pond 1 Inlet	21/11/2017 0:00	7.33	960
SML001	Wq-Milingimbi Pond 1 Inlet	19/12/2017 16:10	7.1	1000

SML001	Wq-Milingimbi Pond 1 Inlet	16/01/2018 16:03	7.22	1000
SML001	Wq-Milingimbi Pond 1 Inlet	20/03/2018 0:00	7.04	680
SML001	Wq-Milingimbi Pond 1 Inlet	19/06/2018 16:09	7.59	920
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2018 0:00	7.2	920
SML001	Wq-Milingimbi Pond 1 Inlet	21/07/2020 08:00:06	7.0	950.0
SML001	Wq-Milingimbi Pond 1 Inlet	01/09/2020 08:35:00	6.98	910.0
SML001	Wq-Milingimbi Pond 1 Inlet	08/09/2020 09:05:00	6.9	1,000.0
SML001	Wq-Milingimbi Pond 1 Inlet	27/10/2020 08:35:42	7.08	1,100.0
SML001	Wq-Milingimbi Pond 1 Inlet	03/11/2020 08:00:00	6.98	1,100.0
SML001	Wq-Milingimbi Pond 1 Inlet	17/11/2020 08:15:00	7.02	930.0
SML001	Wq-Milingimbi Pond 1 Inlet	15/12/2020 08:45:26	6.91	970.0
SML001	Wq-Milingimbi Pond 1 Inlet	20/01/2021 09:00:44	7.11	1,500.0
SML001	Wq-Milingimbi Pond 1 Inlet	02/02/2021 15:00:24	6.82	1,200.0
SML001	Wq-Milingimbi Pond 1 Inlet	17/03/2021 08:05:00	7.07	930.0
SML001	Wq-Milingimbi Pond 1 Inlet	20/04/2021 08:45:00	6.96	1,100.0
SML001	Wq-Milingimbi Pond 1 Inlet	18/05/2021 17:00:32	6.89	980.0
SML001	Wq-Milingimbi Pond 1 Inlet	15/06/2021 08:30:08	7.01	790.0
		Mean	7.12	992.73
		95th Percentile	7.44	1300.00
SML002	Wq-Milingimbi Pond 2 Inlet	19/06/2012 0:00	6.91	370
SML002	Wq-Milingimbi Pond 2 Inlet	17/07/2012 0:00	7.09	580
SML002	Wq-Milingimbi Pond 2 Inlet	14/08/2012 0:00	7.09	518
SML002	Wq-Milingimbi Pond 2 Inlet	18/09/2012 0:00	7.03	578
SML002	Wq-Milingimbi Pond 2 Inlet	20/11/2012 0:00	7.02	544
SML002	Wq-Milingimbi Pond 2 Inlet	18/12/2012 0:00	7.04	578
SML002	Wq-Milingimbi Pond 2 Inlet	15/01/2013 0:00	7.02	502
SML002	Wq-Milingimbi Pond 2 Inlet	19/02/2013 0:00	7.02	674
SML002	Wq-Milingimbi Pond 2 Inlet	19/03/2013 0:00	7.07	932
SML002	Wq-Milingimbi Pond 2 Inlet	16/04/2013 0:00	7.18	756
SML002	Wq-Milingimbi Pond 2 Inlet	14/05/2013 0:00	7.26	772
SML002	Wq-Milingimbi Pond 2 Inlet	19/06/2013 0:00	7.11	750
SML002	Wq-Milingimbi Pond 2 Inlet	16/07/2013 0:00	7.13	830
SML002	Wq-Milingimbi Pond 2 Inlet	19/11/2013 0:00	7.09	694
SML002	Wq-Milingimbi Pond 2 Inlet	21/01/2014 0:00	7.07	794
SML002	Wq-Milingimbi Pond 2 Inlet	18/02/2014 0:00	7.04	590
SML002	Wq-Milingimbi Pond 2 Inlet	18/03/2014 0:00	6.86	646
SML002	Wq-Milingimbi Pond 2 Inlet	22/04/2014 0:00	7.12	770
SML002	Wq-Milingimbi Pond 2 Inlet	20/05/2014 0:00	7.03	748
SML002	Wq-Milingimbi Pond 2 Inlet	17/06/2014 0:00	7.4	738
SML002	Wq-Milingimbi Pond 2 Inlet	17/07/2014 0:00	6.67	934
SML002	Wq-Milingimbi Pond 2 Inlet	19/08/2014 0:00	7.02	718
SML002	Wq-Milingimbi Pond 2 Inlet	16/09/2014 0:00	6.93	1580
SML002	Wq-Milingimbi Pond 2 Inlet	21/10/2014 0:00	7.14	762
SML002	Wq-Milingimbi Pond 2 Inlet	18/11/2014 0:00	7.4	706
SML002	Wq-Milingimbi Pond 2 Inlet	16/12/2014 0:00	7.06	676
SML002	Wq-Milingimbi Pond 2 Inlet	13/01/2015 0:00	7.05	644
SML002	Wq-Milingimbi Pond 2 Inlet	16/02/2015 0:00	7.18	840
SML002	Wq-Milingimbi Pond 2 Inlet	16/03/2015 0:00	7.21	652
SML002	Wq-Milingimbi Pond 2 Inlet	20/04/2015 0:00	6.91	622
SML002	Wq-Milingimbi Pond 2 Inlet	19/05/2015 0:00	7.49	656

SML002	Wq-Milingimbi Pond 2 Inlet	15/06/2015 0:00	7.27	670
SML002	Wq-Milingimbi Pond 2 Inlet	20/07/2015 0:00	7.15	722
SML002	Wq-Milingimbi Pond 2 Inlet	17/08/2015 0:00	7.15	684
SML002	Wq-Milingimbi Pond 2 Inlet	14/09/2015 0:00	7.41	716
SML002	Wq-Milingimbi Pond 2 Inlet	17/11/2015 0:00	7.54	704
SML002	Wq-Milingimbi Pond 2 Inlet	24/11/2015 0:00	7.24	758
SML002	Wq-Milingimbi Pond 2 Inlet	2/12/2015 0:00	7.17	792
SML002	Wq-Milingimbi Pond 2 Inlet	15/12/2015 0:00	7.25	858
SML002	Wq-Milingimbi Pond 2 Inlet	19/01/2016 0:00	7.31	962
SML002	Wq-Milingimbi Pond 2 Inlet	16/02/2016 0:00	7.27	1100
SML002	Wq-Milingimbi Pond 2 Inlet	15/03/2016 0:00	7.23	1020
SML002	Wq-Milingimbi Pond 2 Inlet	19/04/2016 0:00	7.39	1070
SML002	Wq-Milingimbi Pond 2 Inlet	17/05/2016 0:00	7.43	1010
SML002	Wq-Milingimbi Pond 2 Inlet	21/06/2016 0:00	7.47	992
SML002	Wq-Milingimbi Pond 2 Inlet	19/07/2016 0:00	7.25	972
SML002	Wq-Milingimbi Pond 2 Inlet	16/08/2016 0:00	7.37	1110
SML002	Wq-Milingimbi Pond 2 Inlet	20/09/2016 0:00	8.01	988
SML002	Wq-Milingimbi Pond 2 Inlet	18/10/2016 0:00	7.77	1040
SML002	Wq-Milingimbi Pond 2 Inlet	29/12/2016 0:00	7.12	1050
SML002	Wq-Milingimbi Pond 2 Inlet	17/01/2017 0:00	7.2	1370
SML002	Wq-Milingimbi Pond 2 Inlet	22/02/2017 0:00	7.16	1100
SML002	Wq-Milingimbi Pond 2 Inlet	21/03/2017 0:00	7.19	930
SML002	Wq-Milingimbi Pond 2 Inlet	18/04/2017 0:00	7.09	600
SML002	Wq-Milingimbi Pond 2 Inlet	16/05/2017 0:00	7.19	810
SML002	Wq-Milingimbi Pond 2 Inlet	20/06/2017 0:00	7.3	1100
SML002	Wq-Milingimbi Pond 2 Inlet	18/07/2017 16:57	7.31	1100
SML002	Wq-Milingimbi Pond 2 Inlet	15/08/2017 0:00	7.59	960
SML002	Wq-Milingimbi Pond 2 Inlet	19/09/2017 0:00	7.56	940
SML002	Wq-Milingimbi Pond 2 Inlet	21/11/2017 0:00	7.86	900
SML002	Wq-Milingimbi Pond 2 Inlet	19/12/2017 16:10	7.31	1000
SML002	Wq-Milingimbi Pond 2 Inlet	16/01/2018 16:03	7.46	990
SML002	Wq-Milingimbi Pond 2 Inlet	20/03/2018 0:00	7.18	660
SML002	Wq-Milingimbi Pond 2 Inlet	19/06/2018 16:09	7.45	970
SML002	Wq-Milingimbi Pond 2 Inlet	17/07/2018 0:00	7.5	910
SML002	Wq-Milingimbi Pond 2 Inlet	21/07/2020 08:00:06	7.46	960.0
SML002	Wq-Milingimbi Pond 2 Inlet	01/09/2020 08:45:00	7.44	900.0
SML002	Wq-Milingimbi Pond 2 Inlet	08/09/2020 09:20:00	7.33	940.0
SML002	Wq-Milingimbi Pond 2 Inlet	27/10/2020 08:35:42	9.22	870.0
SML002	Wq-Milingimbi Pond 2 Inlet	03/11/2020 08:15:00	7.21	1,100.0
SML002	Wq-Milingimbi Pond 2 Inlet	17/11/2020 08:30:00	7.28	940.0
SML002	Wq-Milingimbi Pond 2 Inlet	15/12/2020 08:55:26	7.15	920.0
SML002	Wq-Milingimbi Pond 2 Inlet	20/01/2021 09:15:44	7.3	1,300.0
SML002	Wq-Milingimbi Pond 2 Inlet	02/02/2021 15:00:24	7.13	1,200.0
SML002	Wq-Milingimbi Pond 2 Inlet	17/03/2021 08:20:00	7.22	930.0
SML002	Wq-Milingimbi Pond 2 Inlet	20/04/2021 09:10:00	7.3	960.0
SML002	Wq-Milingimbi Pond 2 Inlet	18/05/2021 17:00:32	7.43	1,100.0
SML002	Wq-Milingimbi Pond 2 Inlet	15/06/2021 08:30:08	7.42	760.0
		Mean	7.42	981.21
		95th Percentile	7.92	1240.00
SML090	Wq-Milingimbi Pond 3 Outlet	28/08/2008 0:00	7.1	685

SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2012 0:00	7.09	390
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2012 0:00	7.18	592
SML090	Wq-Milingimbi Pond 3 Outlet	14/08/2012 0:00	6.97	518
SML090	Wq-Milingimbi Pond 3 Outlet	18/09/2012 0:00	7.05	570
SML090	Wq-Milingimbi Pond 3 Outlet	20/11/2012 0:00	7.1	544
SML090	Wq-Milingimbi Pond 3 Outlet	18/12/2012 0:00	7.03	574
SML090	Wq-Milingimbi Pond 3 Outlet	15/01/2013 0:00	7.04	494
SML090	Wq-Milingimbi Pond 3 Outlet	19/02/2013 0:00	7.03	672
SML090	Wq-Milingimbi Pond 3 Outlet	19/03/2013 0:00	7.23	876
SML090	Wq-Milingimbi Pond 3 Outlet	16/04/2013 0:00	7.3	730
SML090	Wq-Milingimbi Pond 3 Outlet	14/05/2013 0:00	7.24	770
SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2013 0:00	7.01	786
SML090	Wq-Milingimbi Pond 3 Outlet	16/07/2013 0:00	6.9	866
SML090	Wq-Milingimbi Pond 3 Outlet	19/11/2013 0:00	7.16	690
SML090	Wq-Milingimbi Pond 3 Outlet	21/01/2014 0:00	7.12	796
SML090	Wq-Milingimbi Pond 3 Outlet	18/02/2014 0:00	7.12	588
SML090	Wq-Milingimbi Pond 3 Outlet	18/03/2014 0:00	6.89	652
SML090	Wq-Milingimbi Pond 3 Outlet	22/04/2014 0:00	7.11	744
SML090	Wq-Milingimbi Pond 3 Outlet	20/05/2014 0:00	7.25	716
SML090	Wq-Milingimbi Pond 3 Outlet	17/06/2014 0:00	7.27	734
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2014 0:00	7.03	760
SML090	Wq-Milingimbi Pond 3 Outlet	19/08/2014 0:00	7.05	712
SML090	Wq-Milingimbi Pond 3 Outlet	16/09/2014 0:00	7.09	664
SML090	Wq-Milingimbi Pond 3 Outlet	21/10/2014 0:00	7.12	794
SML090	Wq-Milingimbi Pond 3 Outlet	18/11/2014 0:00	7.28	764
SML090	Wq-Milingimbi Pond 3 Outlet	16/12/2014 0:00	7.16	686
SML090	Wq-Milingimbi Pond 3 Outlet	13/01/2015 0:00	7.2	610
SML090	Wq-Milingimbi Pond 3 Outlet	16/02/2015 0:00	7.16	802
SML090	Wq-Milingimbi Pond 3 Outlet	16/03/2015 0:00	7.32	642
SML090	Wq-Milingimbi Pond 3 Outlet	20/04/2015 0:00	6.99	604
SML090	Wq-Milingimbi Pond 3 Outlet	19/05/2015 0:00	7.33	696
SML090	Wq-Milingimbi Pond 3 Outlet	15/06/2015 0:00	7.21	678
SML090	Wq-Milingimbi Pond 3 Outlet	20/07/2015 0:00	7.2	742
SML090	Wq-Milingimbi Pond 3 Outlet	17/08/2015 0:00	7.2	694
SML090	Wq-Milingimbi Pond 3 Outlet	14/09/2015 0:00	7.4	734
SML090	Wq-Milingimbi Pond 3 Outlet	17/11/2015 0:00	7.31	710
SML090	Wq-Milingimbi Pond 3 Outlet	24/11/2015 0:00	7.66	698
SML090	Wq-Milingimbi Pond 3 Outlet	2/12/2015 0:00	7.38	744
SML090	Wq-Milingimbi Pond 3 Outlet	15/12/2015 0:00	7.39	782
SML090	Wq-Milingimbi Pond 3 Outlet	19/01/2016 0:00	7.43	940
SML090	Wq-Milingimbi Pond 3 Outlet	16/02/2016 0:00	7.36	1050
SML090	Wq-Milingimbi Pond 3 Outlet	1/03/2016 0:00	7.39	1020
SML090	Wq-Milingimbi Pond 3 Outlet	15/03/2016 0:00	7.03	1060
SML090	Wq-Milingimbi Pond 3 Outlet	19/04/2016 0:00	7.42	1040
SML090	Wq-Milingimbi Pond 3 Outlet	17/05/2016 0:00	7.6	990
SML090	Wq-Milingimbi Pond 3 Outlet	21/06/2016 0:00	7.52	972
SML090	Wq-Milingimbi Pond 3 Outlet	19/07/2016 0:00	7.58	1010
SML090	Wq-Milingimbi Pond 3 Outlet	16/08/2016 0:00	7.4	1080
SML090	Wq-Milingimbi Pond 3 Outlet	20/09/2016 0:00	7.89	996
SML090	Wq-Milingimbi Pond 3 Outlet	18/10/2016 0:00	7.84	1080

SML090	Wq-Milingimbi Pond 3 Outlet	29/12/2016 0:00	7.29	992
SML090	Wq-Milingimbi Pond 3 Outlet	17/01/2017 0:00	7.29	1240
SML090	Wq-Milingimbi Pond 3 Outlet	22/02/2017 0:00	7.28	1000
SML090	Wq-Milingimbi Pond 3 Outlet	21/03/2017 0:00	7.47	920
SML090	Wq-Milingimbi Pond 3 Outlet	18/04/2017 0:00	7.1	600
SML090	Wq-Milingimbi Pond 3 Outlet	16/05/2017 0:00	7.31	780
SML090	Wq-Milingimbi Pond 3 Outlet	20/06/2017 0:00	7.32	1000
SML090	Wq-Milingimbi Pond 3 Outlet	18/07/2017 16:57	7.37	1000
SML090	Wq-Milingimbi Pond 3 Outlet	15/08/2017 0:00	8.14	1000
SML090	Wq-Milingimbi Pond 3 Outlet	19/09/2017 0:00	7.62	920
SML090	Wq-Milingimbi Pond 3 Outlet	21/11/2017 0:00	8.39	830
SML090	Wq-Milingimbi Pond 3 Outlet	19/12/2017 16:10	7.53	940
SML090	Wq-Milingimbi Pond 3 Outlet	16/01/2018 16:03	7.44	960
SML090	Wq-Milingimbi Pond 3 Outlet	20/03/2018 0:00	7.17	670
SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2018 16:09	7.62	970
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2018 0:00	7.57	910
SML090	Wq-Milingimbi Pond 3 Outlet	15/01/2019 8:36	7.42	370
SML090	Wq-Milingimbi Pond 3 Outlet	16/07/2019 06:22:00	7.5	880
SML090	Wq-Milingimbi Pond 3 Outlet	21/01/2020 09:03:31	7.45	890
SML090	Wq-Milingimbi Pond 3 Outlet	21/07/2020 08:00:06	7.48	970.0
SML090	Wq-Milingimbi Pond 3 Outlet	01/09/2020 09:10:00	7.57	930.0
SML090	Wq-Milingimbi Pond 3 Outlet	08/09/2020 09:35:00	7.42	910.0
SML090	Wq-Milingimbi Pond 3 Outlet	27/10/2020 08:35:42	9.2	860.0
SML090	Wq-Milingimbi Pond 3 Outlet	03/11/2020 08:30:00	7.38	970.0
SML090	Wq-Milingimbi Pond 3 Outlet	17/11/2020 08:45:00	7.23	970.0
SML090	Wq-Milingimbi Pond 3 Outlet	15/12/2020 09:05:26	7.23	870.0
SML090	Wq-Milingimbi Pond 3 Outlet	20/01/2021 09:30:44	7.3	1,400.0
SML090	Wq-Milingimbi Pond 3 Outlet	02/02/2021 15:00:24	7.32	1,200.0
SML090	Wq-Milingimbi Pond 3 Outlet	17/03/2021 08:25:00	6.93	990.0
SML090	Wq-Milingimbi Pond 3 Outlet	20/04/2021 09:25:00	7.25	1,000.0
SML090	Wq-Milingimbi Pond 3 Outlet	18/05/2021 17:00:32	7.34	1,100.0
SML090	Wq-Milingimbi Pond 3 Outlet	15/06/2021 08:30:08	7.44	760.0
		No. of Samples	36	
		Mean	7.50	943.56
		Median	7.42	970.00
		Median Dry Season	7.55	971.00
		Median Wet Season	7.36	960.00
		95th Percentile	8.20	1210.00
		% Removal		
Minjilang				
SMJ090	Wq-Minjilang Pond 2 Outlet	4/01/2017 0:00	7.17	228
SMJ090	Wq-Minjilang Pond 2 Outlet	4/07/2017 16:32	7.91	360
SMJ090	Wq-Minjilang Pond 2 Outlet	2/01/2018 14:14	7.46	350
SMJ090	Wq-Minjilang Pond 2 Outlet	11/01/2018 15:17	7.03	310
SMJ090	Wq-Minjilang Pond 2 Outlet	3/07/2018 14:28	7.2	450
SMJ090	Wq-Minjilang Pond 2 Outlet	2/01/2019 15:17	7.55	320
SMJ090	Wq-Minjilang Pond 2 Outlet	30/04/2019 16:00		
SMJ090	Wq-Minjilang Pond 2 Outlet	06/08/2019 07:16:00	7.85	360
SMJ090	Wq-Minjilang Pond 2 Outlet	07/01/2020 13:00:06	6.99	270
SMJ090	Wq-Minjilang Pond 2 Outlet	07/04/2020 07:05:30	7.13	280

SMJ090	Wq-Minjilang Pond 2 Outlet	07/07/2020 08:30:00	7.18	410.0
SMJ090	Wq-Minjilang Pond 2 Outlet	06/10/2020 09:00:00	7.63	450
SMJ090	Wq-Minjilang Pond 2 Outlet	05/01/2021 07:45:55	6.98	180.0
SMJ090	Wq-Minjilang Pond 2 Outlet	06/04/2021 08:10:00	7.03	140.0
		No. of Samples	13	
		Mean	7.3	316
		Median	7.2	320
		Average Dry Season	7.6	410
		Average Wet Season	7.0	270
		95th percentile	7.9	450
Naiuyu				
SNN001	Wq-Naiuyu Pond 1 Inlet	18/08/2020 08:00:49	7.58	780
SNN001	Wq-Naiuyu Pond 1 Inlet	15/09/2020 08:25:00	7.7	850
SNN001	Wq-Naiuyu Pond 1 Inlet	20/10/2020 13:00:00	7.87	780.0
SNN001	Wq-Naiuyu Pond 1 Inlet	17/11/2020 08:00:00	7.74	720.0
SNN001	Wq-Naiuyu Pond 1 Inlet	15/12/2020 09:15:36	7.73	690.0
SNN001	Wq-Naiuyu Pond 1 Inlet	19/01/2021 09:30:07	7.63	640.0
SNN001	Wq-Naiuyu Pond 1 Inlet	20/04/2021 08:35:00	7.12	790.0
SNN001	Wq-Naiuyu Pond 1 Inlet	18/05/2021 08:30:54	7.14	790.0
SNN001	Wq-Naiuyu Pond 1 Inlet	15/06/2021 09:11:01	7.63	710.0
Mean			7.57	750.00
Median			7.63	780.00
SNN002	Wq-Naiuyu Pond 2 Inlet	18/08/2020 08:05:49	7.42	720
SNN002	Wq-Naiuyu Pond 2 Inlet	15/09/2020 08:20:00	7.51	790
SNN002	Wq-Naiuyu Pond 2 Inlet	20/10/2020 12:50:00	7.49	800.0
SNN002	Wq-Naiuyu Pond 2 Inlet	17/11/2020 07:50:00	7.53	720.0
SNN002	Wq-Naiuyu Pond 2 Inlet	15/12/2020 09:10:36	7.4	670.0
SNN002	Wq-Naiuyu Pond 2 Inlet	19/01/2021 08:50:07	7.29	540.0
SNN002	Wq-Naiuyu Pond 2 Inlet	20/04/2021 08:25:00	7.23	710.0
SNN002	Wq-Naiuyu Pond 2 Inlet	18/05/2021 08:30:54	7.5	840.0
SNN002	Wq-Naiuyu Pond 2 Inlet	15/06/2021 09:11:01	7.61	750.0
Mean			7.44	726.67
Median			7.49	720.00
SNN090	Wq-Naiuyu Pond 2 Outlet	19/09/2012 0:00	7.64	812
SNN090	Wq-Naiuyu Pond 2 Outlet	10/10/2012 0:00	7.85	834
SNN090	Wq-Naiuyu Pond 2 Outlet	14/11/2012 0:00	7.5	716
SNN090	Wq-Naiuyu Pond 2 Outlet	16/09/2015 0:00	7.65	780
SNN090	Wq-Naiuyu Pond 2 Outlet	20/04/2016 0:00	7.54	702
SNN090	Wq-Naiuyu Pond 2 Outlet	19/07/2016 0:00	8.02	696
SNN090	Wq-Naiuyu Pond 2 Outlet	18/01/2017 0:00	7.43	484
SNN090	Wq-Naiuyu Pond 2 Outlet	18/07/2017 17:04	7.79	730
SNN090	Wq-Naiuyu Pond 2 Outlet	17/04/2018 0:00	7.36	570
SNN090	Wq-Naiuyu Pond 2 Outlet	17/07/2018 9:04	8.85	560
SNN090	Wq-Naiuyu Pond 2 Outlet	15/01/2019 8:55	8.39	340
SNN090	Wq-Naiuyu Pond 2 Outlet	16/07/2019 06:25:00	8.02	700
SNN090	Wq-Naiuyu Pond 2 Outlet	21/01/2020 09:40:00	7.84	540
SNN090	Wq-Naiuyu Pond 2 Outlet	21/04/2020 14:45:05	7.64	630
SNN090	Wq-Naiuyu Pond 2 Outlet	21/07/2020 09:50:16	7.71	670.0
SNN090	Wq-Naiuyu Pond 2 Outlet	18/08/2020 08:10:49	7.52	720
SNN090	Wq-Naiuyu Pond 2 Outlet	15/09/2020 08:15:00	7.57	790

SNN090	Wq-Naiiyu Pond 2 Outlet	20/10/2020 12:45:00	7.55	810.0
SNN090	Wq-Naiiyu Pond 2 Outlet	17/11/2020 07:45:00	7.58	720.0
SNN090	Wq-Naiiyu Pond 2 Outlet	15/12/2020 09:00:36	7.45	670.0
SNN090	Wq-Naiiyu Pond 2 Outlet	19/01/2021 08:55:07	7.31	540.0
SNN090	Wq-Naiiyu Pond 2 Outlet	20/04/2021 08:15:00	7.25	710.0
SNN090	Wq-Naiiyu Pond 2 Outlet	18/05/2021 08:30:54	7.46	850.0
SNN090	Wq-Naiiyu Pond 2 Outlet	15/06/2021 09:11:01	7.62	760.0
		No. of Samples	24	
		Mean	7.7	681
		Median	7.6	706
		Median Dry Season	7.7	760
		Median Wet Season	7.5	630
		95th Percentile	8.3	831
		% Removal		
		Log Reduction		
Nguiu				
SNG001	Wq-Nguiu Pond 1 Inlet	4/09/2018 15:48	7.21	300
SNG001	Wq-Nguiu Pond 1 Inlet	31/10/2018 12:43	7.22	340
SNG001	Wq-Nguiu Pond 1 Inlet	4/12/2018 15:28	7.11	340
SNG001	Wq-Nguiu Pond 1 Inlet	9/01/2019 13:10	6.71	280
SNG001	Wq-Nguiu Pond 1 Inlet	5/03/2019 0:00	6.89	270
SNG001	Wq-Nguiu Pond 1 Inlet	2/04/2019 7:21	6.54	170
SNG001	Wq-Nguiu Pond 1 Inlet	7/05/2019 15:34	6.62	220
SNG001	Wq-Nguiu Pond 1 Inlet	04/06/2019 00:00:00	7.03	320.0
SNG001	Wq-Nguiu Pond 1 Inlet	02/07/2019 00:00:00	6.96	370.0
SNG001	Wq-Nguiu Pond 1 Inlet	06/08/2019 07:25:00	7.12	410.0
SNG001	Wq-Nguiu Pond 1 Inlet	01/10/2019 08:00:00	6.95	420.0
SNG001	Wq-Nguiu Pond 1 Inlet	05/11/2019 12:48:57	7.01	360.0
SNG001	Wq-Nguiu Pond 1 Inlet	03/12/2019 12:49:54	7.14	340.0
SNG001	Wq-Nguiu Pond 1 Inlet	07/01/2020 13:09:56	6.97	270.0
SNG001	Wq-Nguiu Pond 1 Inlet	04/02/2020 13:15:06	6.64	130.0
SNG001	Wq-Nguiu Pond 1 Inlet	03/03/2020 12:52:24	6.42	110.0
SNG001	Wq-Nguiu Pond 1 Inlet	07/04/2020 07:12:30	6.54	160.0
SNG001	Wq-Nguiu Pond 1 Inlet	05/05/2020 07:40:41	6.81	190.0
SNG001	Wq-Nguiu Pond 1 Inlet	02/06/2020 07:50:19	7.11	240.0
SNG001	Wq-Nguiu Pond 1 Inlet	07/07/2020 07:20:00	7.21	290.0
SNG001	Wq-Nguiu Pond 1 Inlet	04/08/2020 07:50:18	6.9	310
SNG001	Wq-Nguiu Pond 1 Inlet	01/09/2020 07:30:00	7.0	350
SNG001	Wq-Nguiu Pond 1 Inlet	06/10/2020 07:55:00	6.98	310
SNG001	Wq-Nguiu Pond 1 Inlet	03/11/2020 07:20:00	6.87	300.0
SNG001	Wq-Nguiu Pond 1 Inlet	01/12/2020 07:30:39	6.82	240.0
SNG001	Wq-Nguiu Pond 1 Inlet	05/01/2021 08:15:54	6.73	160.0
SNG001	Wq-Nguiu Pond 1 Inlet	03/02/2021 10:25:34	6.19	100.0
SNG001	Wq-Nguiu Pond 1 Inlet	02/03/2021 08:00:24	6.18	100.0
SNG001	Wq-Nguiu Pond 1 Inlet	06/04/2021 07:15:00	6.46	140.0
SNG001	Wq-Nguiu Pond 1 Inlet	04/05/2021 07:25:33	6.63	200.0
SNG001	Wq-Nguiu Pond 1 Inlet	01/06/2021 07:50:50	6.86	260.0
		Mean	6.83	258.06
		95th Percentile	7.21	390
SNG002	Wq-Nguiu Pond 2 Inlet	4/09/2018 15:48	7.14	320

SNG002	Wq-Nguiu Pond 2 Inlet	31/10/2018 12:44	7.41	340
SNG002	Wq-Nguiu Pond 2 Inlet	4/12/2018 15:28	7.28	360
SNG002	Wq-Nguiu Pond 2 Inlet	9/01/2019 13:10	6.95	250
SNG002	Wq-Nguiu Pond 2 Inlet	5/03/2019 0:00	7.11	290
SNG002	Wq-Nguiu Pond 2 Inlet	2/04/2019 7:26	6.62	160
SNG002	Wq-Nguiu Pond 2 Inlet	7/05/2019 15:34	6.72	230
SNG002	Wq-Nguiu Pond 2 Inlet	04/06/2019 00:00:00	7.14	320.0
SNG002	Wq-Nguiu Pond 2 Inlet	02/07/2019 00:00:00	7.1	390.0
SNG002	Wq-Nguiu Pond 2 Inlet	06/08/2019 07:25:00	7.19	400.0
SNG002	Wq-Nguiu Pond 2 Inlet	01/10/2019 08:00:00	7.02	410.0
SNG002	Wq-Nguiu Pond 2 Inlet	05/11/2019 12:48:57	7.12	350.0
SNG002	Wq-Nguiu Pond 2 Inlet	03/12/2019 12:49:54	7.26	340.0
SNG002	Wq-Nguiu Pond 2 Inlet	07/01/2020 13:09:56	7.0	270.0
SNG002	Wq-Nguiu Pond 2 Inlet	04/02/2020 13:15:06	6.67	130.0
SNG002	Wq-Nguiu Pond 2 Inlet	03/03/2020 12:52:24	6.54	110.0
SNG002	Wq-Nguiu Pond 2 Inlet	07/04/2020 07:12:30	6.61	160.0
SNG002	Wq-Nguiu Pond 2 Inlet	05/05/2020 07:45:40	6.92	190.0
SNG002	Wq-Nguiu Pond 2 Inlet	02/06/2020 07:55:19	7.19	260.0
SNG002	Wq-Nguiu Pond 2 Inlet	07/07/2020 07:25:00	6.95	290.0
SNG002	Wq-Nguiu Pond 2 Inlet	04/08/2020 07:40:18	7.09	310
SNG002	Wq-Nguiu Pond 2 Inlet	01/09/2020 07:40:00	7.15	360
SNG002	Wq-Nguiu Pond 2 Inlet	06/10/2020 08:05:00	7.15	320
SNG002	Wq-Nguiu Pond 2 Inlet	03/11/2020 07:30:00	7.03	340.0
SNG002	Wq-Nguiu Pond 2 Inlet	01/12/2020 07:35:39	6.93	260.0
SNG002	Wq-Nguiu Pond 2 Inlet	05/01/2021 08:20:54	6.7	170.0
SNG002	Wq-Nguiu Pond 2 Inlet	03/02/2021 10:35:34	6.33	99.0
SNG002	Wq-Nguiu Pond 2 Inlet	02/03/2021 08:00:24	6.52	120.0
SNG002	Wq-Nguiu Pond 2 Inlet	06/04/2021 07:25:00	6.5	140.0
SNG002	Wq-Nguiu Pond 2 Inlet	04/05/2021 07:30:33	6.66	200.0
SNG002	Wq-Nguiu Pond 2 Inlet	01/06/2021 07:55:55	6.85	270.0
		Mean	6.93	263.19
		95th Percentile	7.27	395
SNG090	Wq-Nguiu Pond 3 Outlet	23/02/2016 0:00	7.1	232
SNG090	Wq-Nguiu Pond 3 Outlet	6/07/2016 0:00	7.49	302
SNG090	Wq-Nguiu Pond 3 Outlet	4/01/2017 0:00	7.23	202
SNG090	Wq-Nguiu Pond 3 Outlet	7/06/2017 15:41	7.26	280
SNG090	Wq-Nguiu Pond 3 Outlet	24/01/2018 13:13		150
SNG090	Wq-Nguiu Pond 3 Outlet	3/07/2018 14:19	7.38	320
SNG090	Wq-Nguiu Pond 3 Outlet	15/08/2018 13:04	7.35	300
SNG090	Wq-Nguiu Pond 3 Outlet	4/09/2018 15:48	7.36	330
SNG090	Wq-Nguiu Pond 3 Outlet	31/10/2018 12:44	7.61	350
SNG090	Wq-Nguiu Pond 3 Outlet	4/12/2018 15:28	7.5	370
SNG090	Wq-Nguiu Pond 3 Outlet	9/01/2019 13:10	7.46	260
SNG090	Wq-Nguiu Pond 3 Outlet	5/03/2019 0:00	7.24	300
SNG090	Wq-Nguiu Pond 3 Outlet	2/04/2019 7:31	6.77	190
SNG090	Wq-Nguiu Pond 3 Outlet	7/05/2019 15:34	7.01	240
SNG090	Wq-Nguiu Pond 3 Outlet	04/06/2019 00:00:00	7.37	320
SNG090	Wq-Nguiu Pond 3 Outlet	02/07/2019 00:00:00	7.3	400
SNG090	Wq-Nguiu Pond 3 Outlet	06/08/2019 07:25:00	7.32	390
SNG090	Wq-Nguiu Pond 3 Outlet	01/10/2019 08:00:00	7.16	380

SNG090	Wq-Nguiu Pond 3 Outlet	05/11/2019 12:48:57	7.41	340
SNG090	Wq-Nguiu Pond 3 Outlet	03/12/2019 12:49:54	7.64	320
SNG090	Wq-Nguiu Pond 3 Outlet	07/01/2020 13:09:56	7.29	270
SNG090	Wq-Nguiu Pond 3 Outlet	04/02/2020 13:15:06	6.92	140
SNG090	Wq-Nguiu Pond 3 Outlet	03/03/2020 12:52:24	6.77	120
SNG090	Wq-Nguiu Pond 3 Outlet	07/04/2020 07:12:30	6.84	160
SNG090	Wq-Nguiu Pond 3 Outlet	05/05/2020 07:50:00	7.05	190
SNG090	Wq-Nguiu Pond 3 Outlet	02/06/2020 08:00:19	7.37	260.0
SNG090	Wq-Nguiu Pond 3 Outlet	07/07/2020 07:30:00	6.81	300.0
SNG090	Wq-Nguiu Pond 3 Outlet	04/08/2020 08:00:18	7.22	310
SNG090	Wq-Nguiu Pond 3 Outlet	01/09/2020 07:50:00	7.25	360
SNG090	Wq-Nguiu Pond 3 Outlet	06/10/2020 08:15:00	7.36	330
SNG090	Wq-Nguiu Pond 3 Outlet	03/11/2020 07:40:00	7.2	360.0
SNG090	Wq-Nguiu Pond 3 Outlet	01/12/2020 07:40:39	7.1	280.0
SNG090	Wq-Nguiu Pond 3 Outlet	05/01/2021 08:20:54	7.19	180.0
SNG090	Wq-Nguiu Pond 3 Outlet	03/02/2021 10:45:34	6.58	100.0
SNG090	Wq-Nguiu Pond 3 Outlet	02/03/2021 08:00:24	6.31	110.0
SNG090	Wq-Nguiu Pond 3 Outlet	06/04/2021 07:35:00	6.81	150.0
SNG090	Wq-Nguiu Pond 3 Outlet	04/05/2021 07:35:33	6.94	210.0
SNG090	Wq-Nguiu Pond 3 Outlet	01/06/2021 08:05:50	7.05	260.0
		No. of Samples	37	
		Mean	7.16	264.89
		Median	7.23	280.00
		Median Dry Season	7.30	310.00
		Median Wet Season	7.15	202.00
		95th Percentile	7.52	381.50
		% Removal		
Ngukurr				
SNK001	Wq-Ngukurr Pond 1 Inlet	17/07/2012 0:00	7.6	1500
SNK001	Wq-Ngukurr Pond 1 Inlet	14/08/2012 0:00	7.76	1400
SNK001	Wq-Ngukurr Pond 1 Inlet	11/09/2012 0:00	8.25	1450
SNK001	Wq-Ngukurr Pond 1 Inlet	16/10/2012 0:00	7.91	2000
SNK001	Wq-Ngukurr Pond 1 Inlet	20/11/2012 0:00	7.91	1770
SNK001	Wq-Ngukurr Pond 1 Inlet	18/12/2012 0:00	7.74	1770
SNK001	Wq-Ngukurr Pond 1 Inlet	15/01/2013 0:00	7.91	1800
SNK001	Wq-Ngukurr Pond 1 Inlet	19/02/2013 0:00	7.89	1800
SNK001	Wq-Ngukurr Pond 1 Inlet	19/03/2013 0:00	7.82	1740
SNK001	Wq-Ngukurr Pond 1 Inlet	16/04/2013 0:00	7.74	1580
SNK001	Wq-Ngukurr Pond 1 Inlet	14/05/2013 0:00	7.65	1710
SNK001	Wq-Ngukurr Pond 1 Inlet	18/06/2013 0:00	7.55	1830
SNK001	Wq-Ngukurr Pond 1 Inlet	16/07/2013 0:00	7.75	1560
SNK001	Wq-Ngukurr Pond 1 Inlet	20/08/2013 0:00	7.71	1500
SNK001	Wq-Ngukurr Pond 1 Inlet	17/09/2013 0:00	8.03	1660
SNK001	Wq-Ngukurr Pond 1 Inlet	15/10/2013 0:00	8.29	1730
SNK001	Wq-Ngukurr Pond 1 Inlet	19/11/2013 0:00	7.88	1730
SNK001	Wq-Ngukurr Pond 1 Inlet	17/12/2013 0:00	7.76	2030
SNK001	Wq-Ngukurr Pond 1 Inlet	21/01/2014 0:00	7.7	1940
SNK001	Wq-Ngukurr Pond 1 Inlet	18/02/2014 0:00	7.81	1480
SNK001	Wq-Ngukurr Pond 1 Inlet	18/03/2014 0:00	7.4	1500
SNK001	Wq-Ngukurr Pond 1 Inlet	15/04/2014 0:00	7.63	1810

SNK001	Wq-Ngukurr Pond 1 Inlet	20/05/2014 0:00	7.76	1910
SNK001	Wq-Ngukurr Pond 1 Inlet	17/06/2014 0:00	8.07	1860
SNK001	Wq-Ngukurr Pond 1 Inlet	15/07/2014 0:00	7.84	1970
SNK001	Wq-Ngukurr Pond 1 Inlet	19/08/2014 0:00	7.68	2100
SNK001	Wq-Ngukurr Pond 1 Inlet	16/09/2014 0:00	7.69	2310
SNK001	Wq-Ngukurr Pond 1 Inlet	20/10/2014 0:00	8.63	2090
SNK001	Wq-Ngukurr Pond 1 Inlet	18/11/2014 0:00	8.34	2110
SNK001	Wq-Ngukurr Pond 1 Inlet	16/12/2014 0:00	7.97	2100
SNK001	Wq-Ngukurr Pond 1 Inlet	13/01/2015 0:00	9.65	1070
SNK001	Wq-Ngukurr Pond 1 Inlet	16/02/2015 0:00	7.77	1800
SNK001	Wq-Ngukurr Pond 1 Inlet	16/03/2015 0:00	7.92	2140
SNK001	Wq-Ngukurr Pond 1 Inlet	20/04/2015 0:00	8.57	2270
SNK001	Wq-Ngukurr Pond 1 Inlet	19/05/2015 0:00	8.24	2300
SNK001	Wq-Ngukurr Pond 1 Inlet	15/06/2015 0:00	8	2320
SNK001	Wq-Ngukurr Pond 1 Inlet	20/07/2015 0:00	8.43	2250
SNK001	Wq-Ngukurr Pond 1 Inlet	17/08/2015 0:00	8.29	2260
SNK001	Wq-Ngukurr Pond 1 Inlet	14/09/2015 0:00	8.61	2290
SNK001	Wq-Ngukurr Pond 1 Inlet	20/10/2015 0:00	7.96	2350
SNK001	Wq-Ngukurr Pond 1 Inlet	17/11/2015 0:00	7.8	2120
SNK001	Wq-Ngukurr Pond 1 Inlet	15/12/2015 0:00	7.84	2180
SNK001	Wq-Ngukurr Pond 1 Inlet	19/01/2016 0:00	7.84	2290
SNK001	Wq-Ngukurr Pond 1 Inlet	16/02/2016 0:00	7.8	2230
SNK001	Wq-Ngukurr Pond 1 Inlet	1/03/2016 0:00	7.9	2310
SNK001	Wq-Ngukurr Pond 1 Inlet	15/03/2016 0:00	8.22	2080
SNK001	Wq-Ngukurr Pond 1 Inlet	19/04/2016 0:00	8.11	2190
SNK001	Wq-Ngukurr Pond 1 Inlet	17/05/2016 0:00	7.95	2090
SNK001	Wq-Ngukurr Pond 1 Inlet	21/06/2016 0:00	7.88	1710
SNK001	Wq-Ngukurr Pond 1 Inlet	19/07/2016 0:00	7.86	2140
SNK001	Wq-Ngukurr Pond 1 Inlet	16/08/2016 0:00	7.77	2400
SNK001	Wq-Ngukurr Pond 1 Inlet	20/09/2016 0:00	7.82	2290
SNK001	Wq-Ngukurr Pond 1 Inlet	18/10/2016 0:00	7.94	2360
SNK001	Wq-Ngukurr Pond 1 Inlet	14/11/2016 0:00		
SNK001	Wq-Ngukurr Pond 1 Inlet	20/12/2016 0:00	7.95	2150
SNK001	Wq-Ngukurr Pond 1 Inlet	17/01/2017 0:00	7.63	2180
SNK001	Wq-Ngukurr Pond 1 Inlet	21/02/2017 0:00	7.59	1800
SNK001	Wq-Ngukurr Pond 1 Inlet	21/03/2017 0:00	9.19	1500
SNK001	Wq-Ngukurr Pond 1 Inlet	18/04/2017 0:00	7.69	2200
SNK001	Wq-Ngukurr Pond 1 Inlet	16/05/2017 0:00	7.87	2500
SNK001	Wq-Ngukurr Pond 1 Inlet	19/06/2017 0:00	8.32	2500
SNK001	Wq-Ngukurr Pond 1 Inlet	19/07/2017 13:47	7.92	2600
SNK001	Wq-Ngukurr Pond 1 Inlet	16/08/2017 15:51	7.92	2700
SNK001	Wq-Ngukurr Pond 1 Inlet	20/09/2017 15:16	8.27	2800
SNK001	Wq-Ngukurr Pond 1 Inlet	18/10/2017 0:00	7.91	2700
SNK001	Wq-Ngukurr Pond 1 Inlet	22/11/2017 16:18	7.82	2300
SNK001	Wq-Ngukurr Pond 1 Inlet	20/12/2017 16:01	7.81	2500
SNK001	Wq-Ngukurr Pond 1 Inlet	17/01/2018 16:10	7.91	2300
SNK001	Wq-Ngukurr Pond 1 Inlet	21/02/2018 15:53	7.74	1700
SNK001	Wq-Ngukurr Pond 1 Inlet	21/03/2018 16:10	8.31	950
SNK001	Wq-Ngukurr Pond 1 Inlet	18/04/2018 0:00	7.87	1700
SNK001	Wq-Ngukurr Pond 1 Inlet	16/05/2018 15:40	8.04	2000

SNK001	Wq-Ngukurr Pond 1 Inlet	20/06/2018 16:34	7.79	2100
SNK001	Wq-Ngukurr Pond 1 Inlet	18/07/2018 15:46	7.84	2000

		Mean	7.96	2004.93

SNK002	Wq-Ngukurr Pond 2 Inlet	17/07/2012 0:00	8.06	1430
SNK002	Wq-Ngukurr Pond 2 Inlet	14/08/2012 0:00	8.16	1400
SNK002	Wq-Ngukurr Pond 2 Inlet	11/09/2012 0:00	8.15	1460
SNK002	Wq-Ngukurr Pond 2 Inlet	16/10/2012 0:00	8.02	1710
SNK002	Wq-Ngukurr Pond 2 Inlet	20/11/2012 0:00	8.03	1780
SNK002	Wq-Ngukurr Pond 2 Inlet	18/12/2012 0:00	7.82	1830
SNK002	Wq-Ngukurr Pond 2 Inlet	15/01/2013 0:00	8.06	1810
SNK002	Wq-Ngukurr Pond 2 Inlet	19/02/2013 0:00	8	1820
SNK002	Wq-Ngukurr Pond 2 Inlet	19/03/2013 0:00	7.84	1680
SNK002	Wq-Ngukurr Pond 2 Inlet	14/05/2013 0:00	7.88	1760
SNK002	Wq-Ngukurr Pond 2 Inlet	18/06/2013 0:00	7.78	1850
SNK002	Wq-Ngukurr Pond 2 Inlet	16/07/2013 0:00	7.93	1670
SNK002	Wq-Ngukurr Pond 2 Inlet	20/08/2013 0:00	7.85	1490
SNK002	Wq-Ngukurr Pond 2 Inlet	17/09/2013 0:00	8.04	1650
SNK002	Wq-Ngukurr Pond 2 Inlet	15/10/2013 0:00	8.08	1820
SNK002	Wq-Ngukurr Pond 2 Inlet	19/11/2013 0:00	8.1	1690
SNK002	Wq-Ngukurr Pond 2 Inlet	17/12/2013 0:00	7.85	2030
SNK002	Wq-Ngukurr Pond 2 Inlet	21/01/2014 0:00	7.94	1900
SNK002	Wq-Ngukurr Pond 2 Inlet	18/02/2014 0:00	7.87	1450
SNK002	Wq-Ngukurr Pond 2 Inlet	18/03/2014 0:00	7.62	1440
SNK002	Wq-Ngukurr Pond 2 Inlet	15/04/2014 0:00	7.68	1770
SNK002	Wq-Ngukurr Pond 2 Inlet	20/05/2014 0:00	7.87	2010
SNK002	Wq-Ngukurr Pond 2 Inlet	17/06/2014 0:00	8.09	1880
SNK002	Wq-Ngukurr Pond 2 Inlet	15/07/2014 0:00	7.77	1970
SNK002	Wq-Ngukurr Pond 2 Inlet	19/08/2014 0:00	7.77	2160
SNK002	Wq-Ngukurr Pond 2 Inlet	16/09/2014 0:00	8.11	2330
SNK002	Wq-Ngukurr Pond 2 Inlet	20/10/2014 0:00	8.46	2250
SNK002	Wq-Ngukurr Pond 2 Inlet	18/11/2014 0:00	7.98	2190
SNK002	Wq-Ngukurr Pond 2 Inlet	16/12/2014 0:00	8.98	2020
SNK002	Wq-Ngukurr Pond 2 Inlet	13/01/2015 0:00	8.55	1330
SNK002	Wq-Ngukurr Pond 2 Inlet	16/02/2015 0:00	8.14	1740
SNK002	Wq-Ngukurr Pond 2 Inlet	16/03/2015 0:00	8.29	2150
SNK002	Wq-Ngukurr Pond 2 Inlet	20/04/2015 0:00	8.25	2290
SNK002	Wq-Ngukurr Pond 2 Inlet	19/05/2015 0:00	8.1	2310
SNK002	Wq-Ngukurr Pond 2 Inlet	15/06/2015 0:00	8.02	2350
SNK002	Wq-Ngukurr Pond 2 Inlet	20/07/2015 0:00	8.62	2190
SNK002	Wq-Ngukurr Pond 2 Inlet	17/08/2015 0:00	8.77	2340
SNK002	Wq-Ngukurr Pond 2 Inlet	14/09/2015 0:00	8.52	2350
SNK002	Wq-Ngukurr Pond 2 Inlet	20/10/2015 0:00	8.01	2380
SNK002	Wq-Ngukurr Pond 2 Inlet	17/11/2015 0:00	7.94	2140
SNK002	Wq-Ngukurr Pond 2 Inlet	15/12/2015 0:00	7.82	2180
SNK002	Wq-Ngukurr Pond 2 Inlet	19/01/2016 0:00	7.97	2270
SNK002	Wq-Ngukurr Pond 2 Inlet	16/02/2016 0:00	7.85	2210
SNK002	Wq-Ngukurr Pond 2 Inlet	1/03/2016 0:00	8.11	2160
SNK002	Wq-Ngukurr Pond 2 Inlet	15/03/2016 0:00	7.93	2050

SNK002	Wq-Ngukurr Pond 2 Inlet	19/04/2016 0:00	8.22	2200
SNK002	Wq-Ngukurr Pond 2 Inlet	17/05/2016 0:00	7.91	2130
SNK002	Wq-Ngukurr Pond 2 Inlet	21/06/2016 0:00	7.87	1730
SNK002	Wq-Ngukurr Pond 2 Inlet	19/07/2016 0:00	7.91	2120
SNK002	Wq-Ngukurr Pond 2 Inlet	16/08/2016 0:00	7.91	2360
SNK002	Wq-Ngukurr Pond 2 Inlet	20/09/2016 0:00	7.88	2300
SNK002	Wq-Ngukurr Pond 2 Inlet	18/10/2016 0:00	8.13	2360
SNK002	Wq-Ngukurr Pond 2 Inlet	14/11/2016 0:00		
SNK002	Wq-Ngukurr Pond 2 Inlet	20/12/2016 0:00		2150
SNK002	Wq-Ngukurr Pond 2 Inlet	17/01/2017 0:00	7.69	2150
SNK002	Wq-Ngukurr Pond 2 Inlet	21/02/2017 0:00	7.59	1800
SNK002	Wq-Ngukurr Pond 2 Inlet	21/03/2017 0:00	8.47	1500
SNK002	Wq-Ngukurr Pond 2 Inlet	18/04/2017 0:00	7.73	2100
SNK002	Wq-Ngukurr Pond 2 Inlet	16/05/2017 0:00	7.92	2500
SNK002	Wq-Ngukurr Pond 2 Inlet	19/06/2017 0:00	7.9	2500
SNK002	Wq-Ngukurr Pond 2 Inlet	19/07/2017 13:47	7.77	2600
SNK002	Wq-Ngukurr Pond 2 Inlet	16/08/2017 15:51	7.98	2700
SNK002	Wq-Ngukurr Pond 2 Inlet	20/09/2017 15:16	8.37	2900
SNK002	Wq-Ngukurr Pond 2 Inlet	18/10/2017 0:00	7.99	2700
SNK002	Wq-Ngukurr Pond 2 Inlet	22/11/2017 16:18	7.97	2400
SNK002	Wq-Ngukurr Pond 2 Inlet	20/12/2017 16:01	7.76	2400
SNK002	Wq-Ngukurr Pond 2 Inlet	17/01/2018 16:10	7.94	2300
SNK002	Wq-Ngukurr Pond 2 Inlet	21/02/2018 15:53	7.7	1800
SNK002	Wq-Ngukurr Pond 2 Inlet	21/03/2018 16:10	8.24	1800
SNK002	Wq-Ngukurr Pond 2 Inlet	18/04/2018 0:00	7.94	1700
SNK002	Wq-Ngukurr Pond 2 Inlet	16/05/2018 15:40	7.98	2000
SNK002	Wq-Ngukurr Pond 2 Inlet	20/06/2018 16:34	7.83	2100
SNK002	Wq-Ngukurr Pond 2 Inlet	18/07/2018 15:46	7.9	2000

Mean

SNK005	Wq-Ngukurr Pond 5 Inlet	17/07/2012 0:00	9.2	1340
SNK005	Wq-Ngukurr Pond 5 Inlet	14/08/2012 0:00	9.25	1170
SNK005	Wq-Ngukurr Pond 5 Inlet	11/09/2012 0:00	9.67	1220
SNK005	Wq-Ngukurr Pond 5 Inlet	16/10/2012 0:00	9.15	1430
SNK005	Wq-Ngukurr Pond 5 Inlet	20/11/2012 0:00	9.02	1630
SNK005	Wq-Ngukurr Pond 5 Inlet	18/12/2012 0:00	9.01	1760
SNK005	Wq-Ngukurr Pond 5 Inlet	15/01/2013 0:00	8.92	1620
SNK005	Wq-Ngukurr Pond 5 Inlet	19/02/2013 0:00	8.89	1650
SNK005	Wq-Ngukurr Pond 5 Inlet	19/03/2013 0:00	8.57	1530
SNK005	Wq-Ngukurr Pond 5 Inlet	16/04/2013 0:00	8.45	1500
SNK005	Wq-Ngukurr Pond 5 Inlet	14/05/2013 0:00	8.64	1600
SNK005	Wq-Ngukurr Pond 5 Inlet	18/06/2013 0:00	8.5	1800
SNK005	Wq-Ngukurr Pond 5 Inlet	16/07/2013 0:00	8.52	1850
SNK005	Wq-Ngukurr Pond 5 Inlet	20/08/2013 0:00	8.77	1430
SNK005	Wq-Ngukurr Pond 5 Inlet	17/09/2013 0:00	8.78	1560
SNK005	Wq-Ngukurr Pond 5 Inlet	15/10/2013 0:00	9.02	1710
SNK005	Wq-Ngukurr Pond 5 Inlet	19/11/2013 0:00	8.92	1610
SNK005	Wq-Ngukurr Pond 5 Inlet	17/12/2013 0:00	8.66	1910
SNK005	Wq-Ngukurr Pond 5 Inlet	21/01/2014 0:00	8.36	1840

SNK005	Wq-Ngukurr Pond 5 Inlet	18/02/2014 0:00	8.2	1400
SNK005	Wq-Ngukurr Pond 5 Inlet	18/03/2014 0:00	8.14	1370
SNK005	Wq-Ngukurr Pond 5 Inlet	15/04/2014 0:00	8.11	1720
SNK005	Wq-Ngukurr Pond 5 Inlet	20/05/2014 0:00	8.31	1990
SNK005	Wq-Ngukurr Pond 5 Inlet	17/06/2014 0:00	8.57	1860
SNK005	Wq-Ngukurr Pond 5 Inlet	15/07/2014 0:00	8.62	1900
SNK005	Wq-Ngukurr Pond 5 Inlet	19/08/2014 0:00	8.31	2060
SNK005	Wq-Ngukurr Pond 5 Inlet	16/09/2014 0:00	8.36	2190
SNK005	Wq-Ngukurr Pond 5 Inlet	20/10/2014 0:00	8.68	2400
SNK005	Wq-Ngukurr Pond 5 Inlet	18/11/2014 0:00	8.76	2230
SNK005	Wq-Ngukurr Pond 5 Inlet	16/12/2014 0:00	8.56	2010
SNK005	Wq-Ngukurr Pond 5 Inlet	13/01/2015 0:00	8.39	1340
SNK005	Wq-Ngukurr Pond 5 Inlet	16/02/2015 0:00	8.68	1580
SNK005	Wq-Ngukurr Pond 5 Inlet	16/03/2015 0:00	8.68	1940
SNK005	Wq-Ngukurr Pond 5 Inlet	20/04/2015 0:00	8.74	2330
SNK005	Wq-Ngukurr Pond 5 Inlet	19/05/2015 0:00	8.47	2340
SNK005	Wq-Ngukurr Pond 5 Inlet	15/06/2015 0:00	8.33	2380
SNK005	Wq-Ngukurr Pond 5 Inlet	20/07/2015 0:00	8.82	2130
SNK005	Wq-Ngukurr Pond 5 Inlet	17/08/2015 0:00	8.89	2270
SNK005	Wq-Ngukurr Pond 5 Inlet	14/09/2015 0:00	8.77	2290
SNK005	Wq-Ngukurr Pond 5 Inlet	20/10/2015 0:00	8.42	2380
SNK005	Wq-Ngukurr Pond 5 Inlet	17/11/2015 0:00	8.18	2160
SNK005	Wq-Ngukurr Pond 5 Inlet	15/12/2015 0:00	8.42	2070
SNK005	Wq-Ngukurr Pond 5 Inlet	19/01/2016 0:00	8.47	2150
SNK005	Wq-Ngukurr Pond 5 Inlet	16/02/2016 0:00	8.09	2120
SNK005	Wq-Ngukurr Pond 5 Inlet	15/03/2016 0:00	8.67	2040
SNK005	Wq-Ngukurr Pond 5 Inlet	19/04/2016 0:00	8.44	2270
SNK005	Wq-Ngukurr Pond 5 Inlet	17/05/2016 0:00	8.36	1930
SNK005	Wq-Ngukurr Pond 5 Inlet	21/06/2016 0:00	8.22	1950
SNK005	Wq-Ngukurr Pond 5 Inlet	19/07/2016 0:00	8.3	2160
SNK005	Wq-Ngukurr Pond 5 Inlet	16/08/2016 0:00	8.66	2230
SNK005	Wq-Ngukurr Pond 5 Inlet	20/09/2016 0:00	8.23	2320
SNK005	Wq-Ngukurr Pond 5 Inlet	18/10/2016 0:00	8.5	2350
SNK005	Wq-Ngukurr Pond 5 Inlet	14/11/2016 0:00		
SNK005	Wq-Ngukurr Pond 5 Inlet	20/12/2016 0:00	8.05	2080
SNK005	Wq-Ngukurr Pond 5 Inlet	17/01/2017 0:00	8.12	2070
SNK005	Wq-Ngukurr Pond 5 Inlet	21/02/2017 0:00	7.9	1500
SNK005	Wq-Ngukurr Pond 5 Inlet	21/03/2017 0:00	8.92	1700
SNK005	Wq-Ngukurr Pond 5 Inlet	18/04/2017 0:00	8.34	2000
SNK005	Wq-Ngukurr Pond 5 Inlet	16/05/2017 0:00	8.33	2500
SNK005	Wq-Ngukurr Pond 5 Inlet	19/06/2017 0:00	8.61	2500
SNK005	Wq-Ngukurr Pond 5 Inlet	19/07/2017 13:47	8.27	2600
SNK005	Wq-Ngukurr Pond 5 Inlet	16/08/2017 15:51	8.35	2700
SNK005	Wq-Ngukurr Pond 5 Inlet	20/09/2017 15:16	8.46	2900
SNK005	Wq-Ngukurr Pond 5 Inlet	18/10/2017 0:00	8.57	2800
SNK005	Wq-Ngukurr Pond 5 Inlet	22/11/2017 16:18	8.57	2600
SNK005	Wq-Ngukurr Pond 5 Inlet	20/12/2017 16:01	8.52	2400
SNK005	Wq-Ngukurr Pond 5 Inlet	17/01/2018 16:10	8.53	2200
SNK005	Wq-Ngukurr Pond 5 Inlet	21/02/2018 15:53	8.02	1800
SNK005	Wq-Ngukurr Pond 5 Inlet	21/03/2018 15:24	9	1600

SNK005	Wq-Ngukurr Pond 5 Inlet	18/04/2018 0:00	8.48	1800
SNK005	Wq-Ngukurr Pond 5 Inlet	16/05/2018 15:40	8.5	2000
SNK005	Wq-Ngukurr Pond 5 Inlet	20/06/2018 16:34	8.29	2100
SNK005	Wq-Ngukurr Pond 5 Inlet	18/07/2018 15:46	8.38	2000

Mean

SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/07/2012 0:00	9.16	1340
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/08/2012 0:00	9.28	1150
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	11/09/2012 0:00	9.63	1220
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/10/2012 0:00	9.11	1440
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/11/2012 0:00	9.03	1630
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/12/2012 0:00	9.01	1770
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/01/2013 0:00	8.9	1630
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/02/2013 0:00	8.86	1650
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/03/2013 0:00	8.57	1530
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/04/2013 0:00	8.51	1490
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/05/2013 0:00	8.67	1590
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/06/2013 0:00	8.57	1790
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/07/2013 0:00	8.54	1840
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/08/2013 0:00	8.87	1460
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/09/2013 0:00	8.85	1530
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/10/2013 0:00	8.98	1720
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/11/2013 0:00	8.91	1620
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/12/2013 0:00	8.68	1910
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/01/2014 0:00	8.35	1850
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/02/2014 0:00	8.17	1400
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/03/2014 0:00	8.18	1360
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/04/2014 0:00	8.12	1720
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/05/2014 0:00	8.32	1990
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/06/2014 0:00	8.55	1860
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/07/2014 0:00	8.63	1910
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/08/2014 0:00	8.32	2060
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/09/2014 0:00	8.37	2180
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/10/2014 0:00	8.6	2410
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/11/2014 0:00	8.78	2210
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/12/2014 0:00	9.06	1960
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	13/01/2015 0:00	8.39	1340
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/02/2015 0:00	8.71	1550
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/03/2015 0:00	8.64	1930
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/04/2015 0:00	8.78	2330
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/05/2015 0:00	8.54	2340
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/06/2015 0:00	8.34	2360
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/07/2015 0:00	8.79	2130
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/08/2015 0:00	8.87	2300
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/09/2015 0:00	8.76	2290
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/10/2015 0:00	8.45	2380
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/11/2015 0:00	8.33	2120
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/12/2015 0:00	8.42	2060
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/01/2016 0:00	8.49	2130

SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/02/2016 0:00	8.13	2110
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	1/03/2016 0:00	8.14	2100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/03/2016 0:00	8.53	2070
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/04/2016 0:00	8.44	2270
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/05/2016 0:00	8.36	1930
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/06/2016 0:00	8.22	1950
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/07/2016 0:00	8.28	2150
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/08/2016 0:00	8.66	2240
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/09/2016 0:00	8.21	2330
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/10/2016 0:00	8.5	2340
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/11/2016 0:00		
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/12/2016 0:00		2080
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/01/2017 0:00	8.14	2060
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/02/2017 0:00	7.92	1500
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2017 0:00	8.85	1700
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2017 0:00	8.3	2000
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2017 0:00	8.33	2500
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/06/2017 0:00	8.46	2500
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/07/2017 13:47	8.3	2700
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/08/2017 15:51	8.36	2800
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/09/2017 15:16	8.44	2900
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/10/2017 0:00	8.57	2900
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/11/2017 16:18	8.56	2600
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	23/11/2017 16:04	8.81	2400
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/12/2017 16:01	8.55	2400
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/01/2018 16:10	8.54	2200
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/02/2018 15:53	8.13	1800
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2018 15:24	9.01	1700
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2018 0:00	8.49	1800
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2018 15:40	8.47	2000
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/06/2018 16:34	8.29	2100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/07/2018 15:46	8.38	2100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/01/2019 14:44	9.12	1200
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/07/2019 00:00:00	8.67	2,300
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/01/2020 07:31:32	8.74	2,000
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/04/2020 13:13:43	8.3	2600
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/07/2020 06:50:57	8.27	3,400.0
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/10/2020 06:30:02	7.93	1,300.0
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/01/2021 07:20:19	8.37	1,300.0
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/04/2021 07:00:50	8.72	1,100.0
No. of Samples			32	
Mean			8.46	2151.52
Median			8.45	2150.00
Median Dry Season			8.37	2335.00
Median Wet Season			8.49	2065.00
95th Percentile			8.92	2900.00
% Removal				
Numbulwar				
SNU090	Wq-Numbulwar Pond 2 Outlet	1/03/2016 0:00	10.3	584
SNU090	Wq-Numbulwar Pond 2 Outlet	12/07/2016 0:00	7.8	754

SNU090	Wq-Numbulwar Pond 2 Outlet	10/01/2017 0:00	8.31	478
SNU090	Wq-Numbulwar Pond 2 Outlet	12/07/2017 15:31	8.19	660
SNU090	Wq-Numbulwar Pond 2 Outlet	10/01/2018 15:57	8.75	650
SNU090	Wq-Numbulwar Pond 2 Outlet	20/06/2018 16:38	7.82	880
SNU090	Wq-Numbulwar Pond 2 Outlet	25/07/2018 15:42	8.25	830
SNU090	Wq-Numbulwar Pond 2 Outlet	9/01/2019 8:11	8.16	770
SNU090	Wq-Numbulwar Pond 2 Outlet	10/07/2019 14:30:00	8.94	850
SNU090	Wq-Numbulwar Pond 2 Outlet	09/10/2019 13:50:49	8.98	410
SNU090	Wq-Numbulwar Pond 2 Outlet	15/01/2020 13:54:50	8.14	800
SNU090	Wq-Numbulwar Pond 2 Outlet	15/04/2020 13:52:39	8.55	550
SNU010	Wq-Numbulwar Pond 1 Outlet	15/07/2020 09:00:30	7.67	840.0
SNU010	Wq-Numbulwar Pond 1 Outlet	09/09/2020 09:40:00	7.54	980
SNU010	Wq-Numbulwar Pond 1 Outlet	11/11/2020 09:07:00	7.67	910.0
SNU010	Wq-Numbulwar Pond 1 Outlet	13/01/2021 11:00:00	7.67	760.0
SNU010	Wq-Numbulwar Pond 1 Outlet	17/02/2021 10:10:00	7.58	850.0
SNU090	Wq-Numbulwar Pond 2 Outlet	14/04/2021 10:00:00	7.66	810.0
SNU090	Wq-Numbulwar Pond 2 Outlet	09/06/2021 10:00:00	7.86	1,000.0
		No. of Samples	20	
		Mean	8.22	750.10
		Median	8.15	785.00
		Median Dry Season	7.86	840.00
		Median Wet Season	8.15	765.00
		95th Percentile	8.98	980.00
Gunbalanya				
SOE001	WQ-Oenpelli Pond 1 Inlet	11/08/2020 11:15:00	7.25	430
SOE001	WQ-Oenpelli Pond 1 Inlet	08/09/2020 12:30:00	7.15	400
SOE001	WQ-Oenpelli Pond 1 Inlet	13/10/2020 10:30:20	7.14	400
SOE001	WQ-Oenpelli Pond 1 Inlet	10/11/2020 09:30:00	7.11	380.0
SOE001	WQ-Oenpelli Pond 1 Inlet	08/12/2020 11:15:00	7.14	350.0
SOE001	WQ-Oenpelli Pond 1 Inlet	20/01/2021 09:20:44	6.92	220.0
SOE001	WQ-Oenpelli Pond 1 Inlet	02/02/2021 09:28:47	6.68	150.0
SOE001	WQ-Oenpelli Pond 1 Inlet	09/03/2021 08:06:00	6.82	190.0
SOE001	WQ-Oenpelli Pond 1 Inlet	13/04/2021 10:00:00	6.93	210.0
SOE001	WQ-Oenpelli Pond 1 Inlet	11/05/2021 08:15:00	6.99	280.0
SOE001	WQ-Oenpelli Pond 1 Inlet	08/06/2021 08:28:00	7.11	330.0
Mean			7.02	303.64
Median			7.11	330.00
SOE002	WQ-Oenpelli Pond 2 Inlet	11/08/2020 11:30:00	7.18	440
SOE002	WQ-Oenpelli Pond 2 Inlet	08/09/2020 12:40:00	7.26	420
SOE002	WQ-Oenpelli Pond 2 Inlet	13/10/2020 10:35:05	7.27	430
SOE002	WQ-Oenpelli Pond 2 Inlet	10/11/2020 09:30:00	7.05	390.0
SOE002	WQ-Oenpelli Pond 2 Inlet	08/12/2020 11:05:00	7.24	360.0
SOE002	WQ-Oenpelli Pond 2 Inlet	20/01/2021 09:25:44	6.96	230.0
SOE002	WQ-Oenpelli Pond 2 Inlet	02/02/2021 09:38:47	6.84	140.0
SOE002	WQ-Oenpelli Pond 2 Inlet	09/03/2021 07:45:00	6.91	180.0
SOE002	WQ-Oenpelli Pond 2 Inlet	13/04/2021 10:10:00	6.95	220.0
SOE002	WQ-Oenpelli Pond 2 Inlet	11/05/2021 08:10:00	6.97	280.0
SOE002	WQ-Oenpelli Pond 2 Inlet	08/06/2021 08:19:00	7.14	320.0
Mean			7.07	310.00
Median			7.05	320.00

Gunbalanya				
SOE090	Wq-Oenpelli Pond 3 Outlet	2/03/2016 0:00	7.07	224
SOE090	Wq-Oenpelli Pond 3 Outlet	19/07/2016 0:00	7.9	450
SOE090	Wq-Oenpelli Pond 3 Outlet	10/01/2017 0:00	7.2	210
SOE090	Wq-Oenpelli Pond 3 Outlet	11/07/2017 16:19	7.5	540
SOE090	Wq-Oenpelli Pond 3 Outlet	9/01/2018 16:32	7.63	420
SOE090	Wq-Oenpelli Pond 3 Outlet	15/05/2018 0:00	7.66	360
SOE090	Wq-Oenpelli Pond 3 Outlet	8/01/2019 8:08	7.45	300
SOE090	Wq-Oenpelli Pond 3 Outlet	09/07/2019 06:55:00	7.51	530
SOE090	Wq-Oenpelli Pond 3 Outlet	15/10/2019 13:31:26	7.56	550
SOE090	Wq-Oenpelli Pond 3 Outlet	21/01/2020 08:57:59	7.32	350
SOE090	Wq-Oenpelli Pond 3 Outlet	21/04/2020 14:45:47	7.15	290
SOE090	Wq-Oenpelli Pond 3 Outlet	14/07/2020 09:55:33	7.52	240
SOE090	Wq-Oenpelli Pond 3 Outlet	11/08/2020 11:45:00	7.43	250
SOE090	Wq-Oenpelli Pond 3 Outlet	08/09/2020 12:50:00	7.38	420
SOE090	Wq-Oenpelli Pond 3 Outlet	13/10/2020 10:45:20	7.59	470
SOE090	Wq-Oenpelli Pond 3 Outlet	10/11/2020 09:30:00	7.18	410
SOE090	Wq-Oenpelli Pond 3 Outlet	08/12/2020 11:10:00	7.71	330
SOE090	Wq-Oenpelli Pond 3 Outlet	20/01/2021 09:44:44	7.09	250
SOE090	Wq-Oenpelli Pond 3 Outlet	02/02/2021 09:46:47	6.91	140
SOE090	Wq-Oenpelli Pond 3 Outlet	09/03/2021 07:56:00	7.01	180
SOE090	Wq-Oenpelli Pond 3 Outlet	13/04/2021 10:15:00	7.02	210
SOE090	Wq-Oenpelli Pond 3 Outlet	11/05/2021 08:20:00	7.06	270
SOE090	Wq-Oenpelli Pond 3 Outlet	08/06/2021 08:24:00	7.32	310
		No. of Samples	23	
		Mean	7.4	335
		Median	7.4	310
		Median Dry Season	7.5	420
		Median Wet Season	7.2	270
		95th Percentile	7.7	539
		% Removal		
		Log Reduction		
Nganmarriyanga				
SPA090	Wq-Palumpa Pond 2 Outlet	16/03/2016 0:00	7.48	554
SPA090	Wq-Palumpa Pond 2 Outlet	19/07/2016 0:00	8.02	804
SPA090	Wq-Palumpa Pond 2 Outlet	23/02/2017 0:00	7.56	220
SPA090	Wq-Palumpa Pond 2 Outlet	18/07/2017 16:52	7.53	750
SPA090	Wq-Palumpa Pond 2 Outlet	16/01/2018 16:08	7.91	440
SPA090	Wq-Palumpa Pond 2 Outlet	17/07/2018 9:01	8.11	840
SPA090	Wq-Palumpa Pond 2 Outlet	15/01/2019 8:44	7.52	250
SPA090	Wq-Palumpa Pond 2 Outlet	16/07/2019 06:57:00	7.59	720
SPA090	Wq-Palumpa Pond 2 Outlet	15/10/2019 06:34:47	8.11	740
SPA090	Wq-Palumpa Pond 2 Outlet	21/01/2020 08:19:32	7.48	710
SPA090	Wq-Palumpa Pond 2 Outlet	19/05/2020 10:03:00	7.41	620
SPA090	Wq-Palumpa Pond 2 Outlet	21/07/2020 10:22:17	7.5	750.0
SPA090	Wq-Palumpa Pond 2 Outlet	20/10/2020 09:00:00	7.8	760.0
SPA090	Wq-Palumpa Pond 2 Outlet	19/01/2021 09:35:41	7.08	370.0
SPA090	Wq-Palumpa Pond 2 Outlet	20/04/2021 09:30:00	7.34	520.0
SPA090	Wq-Palumpa Pond 2 Outlet	18/05/2021 09:30:25	7.97	580.0

			No. of Samples	16	
			Mean	7.7	602
			Median	7.5	665
			Median Dry Season	7.8	750
			Median Wet Season	7.5	440
			95th Percentile	8.1	813
Peppimenarti					
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/03/2016 0:00	7.1	390	
SPE090	Wq-Peppimenarti Pond 3 Outlet	19/07/2016 0:00	7.44	552	
SPE090	Wq-Peppimenarti Pond 3 Outlet	18/01/2017 0:00	6.97	206	
SPE090	Wq-Peppimenarti Pond 3 Outlet	18/07/2017 16:40	7.12	580	
SPE090	Wq-Peppimenarti Pond 3 Outlet	23/08/2017 15:50	7.3	630	
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/01/2018 16:12	8.88	450	
SPE090	Wq-Peppimenarti Pond 3 Outlet	17/07/2018 0:00	7.84	700	
SPE090	Wq-Peppimenarti Pond 3 Outlet	15/01/2019 9:09	9	560	
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/07/2019 06:55:00	7.96	570	
SPE090	Wq-Peppimenarti Pond 3 Outlet	15/10/2019 06:38:20	10.0	550	
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/01/2020 08:09:45	8.74	440	
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/04/2020 14:45:16	9.59	450	
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/07/2020 09:00:36	8.82	470.0	
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/10/2020 10:00:00	9.48	380.0	
SPE090	Wq-Peppimenarti Pond 3 Outlet	19/01/2021 10:00:57	8.99	290.0	
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/04/2021 09:00:00	9.82	270.0	
			No. of Samples	16	
			Mean	8.4	468
			Median	8.8	460
			Median Dry Season	7.9	561
			Median Wet Season	8.9	415
			95th Percentile	9.9	648
Pirlangimpi					
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	6/08/2018 0:00	6.98	300	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	4/09/2018 15:41	7.17	370	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	2/10/2018 0:00	7.34	310	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	7/11/2018 0:00	7.14	370	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	4/12/2018 0:00	7.77	250	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	2/01/2019 15:06	6.9	370	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	5/02/2019 0:00	6.97	340	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	5/03/2019 0:00	6.99	370	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	2/04/2019 6:30	6.88	390	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	7/05/2019 15:39	6.79	450	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	04/06/2019 00:00:00	7.15	460.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	02/07/2019 00:00:00	7.28	530.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	06/08/2019 07:20:00	7.17	450.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/09/2019 06:30:00	7.06	450.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	01/10/2019 07:00:00	7.04	460.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	05/11/2019 13:40:41	7.14	430.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/12/2019 12:58:19	7.26	440.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	07/01/2020 13:05:57	7.18	480.0	
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	04/02/2020 13:07:27	7.22	410.0	

SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/03/2020 12:48:21	7.16	430.0
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	07/04/2020 07:08:26	7.07	410.0
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	05/05/2020 00:15:25	7.15	460.0
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	02/06/2020 06:00:16	7.28	500.0
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	07/07/2020 07:05:00	7.03	410.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	04/08/2020 06:00:44	6.96	410
SPI001	Wq-Pirlangimpi Pond 1 Inlet	01/09/2020 06:10:00	6.97	430
SPI001	Wq-Pirlangimpi Pond 1 Inlet	06/10/2020 05:00:00	6.79	430
SPI001	Wq-Pirlangimpi Pond 1 Inlet	03/11/2020 04:45:00	6.84	360.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	18/11/2020 06:30:00	6.9	380.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	01/12/2020 08:00:49	6.87	320.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	05/01/2021 07:40:26	7.12	310.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	02/02/2021 08:30:47	6.63	230.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	02/03/2021 06:00:19	6.76	290.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	06/04/2021 07:20:00	6.94	340.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	04/05/2021 14:08:43	6.8	360.0
SPI001	Wq-Pirlangimpi Pond 1 Inlet	01/06/2021 05:20:19	6.88	320.0
Mean			7.04	389.44
Median			7.04	400.00
SPI002	Wq-Pirlangimpi Pond 2 Inlet	6/08/2018 0:00	7.81	280
SPI002	Wq-Pirlangimpi Pond 2 Inlet	4/09/2018 15:41	7.48	330
SPI002	Wq-Pirlangimpi Pond 2 Inlet	2/10/2018 0:00	7.11	320
SPI002	Wq-Pirlangimpi Pond 2 Inlet	7/11/2018 0:00	7.42	340
SPI002	Wq-Pirlangimpi Pond 2 Inlet	4/12/2018 0:00	8.12	220
SPI002	Wq-Pirlangimpi Pond 2 Inlet	2/01/2019 15:06	8.13	210
SPI002	Wq-Pirlangimpi Pond 2 Inlet	5/02/2019 0:00	7.27	290
SPI002	Wq-Pirlangimpi Pond 2 Inlet	5/03/2019 0:00	7.31	340
SPI002	Wq-Pirlangimpi Pond 2 Inlet	2/04/2019 6:35	8.97	250
SPI002	Wq-Pirlangimpi Pond 2 Inlet	7/05/2019 15:39	8.65	340
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/06/2019 00:00:00	7.52	410.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/07/2019 00:00:00	8.25	470.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	06/08/2019 07:20:00	7.56	420.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/09/2019 06:45:00	8.25	430.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/10/2019 07:00:00	7.22	440.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	05/11/2019 13:40:41	7.61	400.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/12/2019 12:58:19	7.5	390.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	07/01/2020 13:05:57	7.52	410.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/02/2020 13:07:27	7.25	370.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/03/2020 12:48:21	7.15	390.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	07/04/2020 07:08:26	8.05	310.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	05/05/2020 07:25:25	7.91	380.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/06/2020 06:10:16	7.51	430.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	07/07/2020 07:15:00	7.37	380.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/08/2020 06:10:44	7.11	390
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/09/2020 06:25:00	7.82	360
SPI002	Wq-Pirlangimpi Pond 2 Inlet	06/10/2020 05:15:00	7.6	370
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/11/2020 05:00:00	6.89	350.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/12/2020 08:10:49	7.41	280.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	05/01/2021 07:42:26	7.12	320.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/02/2021 08:37:47	6.88	210.0

SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/03/2021 06:00:19	6.88	270.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	06/04/2021 07:30:00	8.04	290.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/05/2021 14:08:43	8.02	310.0
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/06/2021 05:20:19	7.37	310.0
Mean			7.60	343.14
Median			7.51	340.00
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/03/2016 0:00	7.08	244
SPI090	Wq-Pirlangimpi Pond 2 Outlet	6/07/2016 0:00	7.08	184
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/01/2017 0:00	6.95	164
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/07/2017 16:41	7.16	450
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/01/2018 14:09	9.25	240
SPI090	Wq-Pirlangimpi Pond 2 Outlet	3/07/2018 14:14	7.81	300
SPI090	Wq-Pirlangimpi Pond 2 Outlet	6/08/2018 0:00	7.44	280
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/09/2018 15:41	7.35	290
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/10/2018 0:00	7.78	260
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/11/2018 0:00	7.28	350
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/12/2018 0:00	7.1	320
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/01/2019 15:06	8.71	300
SPI090	Wq-Pirlangimpi Pond 2 Outlet	5/02/2019 0:00	7.89	250
SPI090	Wq-Pirlangimpi Pond 2 Outlet	5/03/2019 0:00	7.95	280
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/04/2019 6:40	7.57	270
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/05/2019 15:39	7.52	340
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/06/2019 00:00:00	7.67	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/07/2019 00:00:00	7.68	460
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/08/2019 07:20:00	7.54	420
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/09/2019 06:55:00	7.24	390
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/10/2019 07:00:00	7.16	460
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/11/2019 13:40:41	7.32	370
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/12/2019 12:58:19	7.41	370
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/01/2020 13:05:57	7.4	400
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/02/2020 13:07:27	7.33	350
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/03/2020 12:48:21	7.17	370
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/04/2020 07:08:26	7.53	310
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/05/2020 07:35:11	7.83	370
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/06/2020 06:20:16	7.8	390.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/07/2020 07:30:00	7.26	390.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/08/2020 06:20:44	7.48	380
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/09/2020 06:50:00	7.41	370
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/10/2020 05:35:00	7.16	400
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/11/2020 05:15:00	7.39	320.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/12/2020 08:30:49	7.09	280.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/01/2021 07:44:26	7.15	320.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/02/2021 08:45:47	6.88	210.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/03/2021 06:00:19	6.98	260.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/04/2021 07:40:00	7.69	280.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/05/2021 14:08:43	7.46	300.0
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/06/2021 05:40:19	7.62	310.0
No. of Samples			40	
Mean			7.49	329.20
Median			7.41	320.00

			Median Dry Season	7.47	375.00
			Median Wet Season	7.47	302.64
			95th Percentile	7.99	450.50
			% Removal		
Ramingining					
SRA001	Wq-Ramingining Pond 1 Inlet	14/08/2018 0:00	7.38	550	
SRA001	Wq-Ramingining Pond 1 Inlet	18/09/2018 0:00	7.41	600	
SRA001	Wq-Ramingining Pond 1 Inlet	9/10/2018 0:00	7.35	570	
SRA001	Wq-Ramingining Pond 1 Inlet	13/11/2018 0:00	7.16	560	
SRA001	Wq-Ramingining Pond 1 Inlet	11/12/2018 0:00	7.19	480	
SRA001	Wq-Ramingining Pond 1 Inlet	8/01/2019 10:07	7.39	390	
SRA001	Wq-Ramingining Pond 1 Inlet	19/02/2019 10:39	7.43	430	
SRA001	Wq-Ramingining Pond 1 Inlet	12/03/2019 0:00	7.33	180	
SRA001	Wq-Ramingining Pond 1 Inlet	9/04/2019 0:00	7.3	370	
SRA001	Wq-Ramingining Pond 1 Inlet	14/05/2019 9:30	7.66	420	
SRA001	Wq-Ramingining Pond 1 Inlet	11/08/2020 09:15:00	7.06	540	
SRA001	Wq-Ramingining Pond 1 Inlet	29/09/2020 07:00:00	7.01	530	
SRA001	Wq-Ramingining Pond 1 Inlet	10/11/2020 09:30:00	7.28	400.0	
SRA001	Wq-Ramingining Pond 1 Inlet	17/11/2020 09:00:00	7.24	370.0	
SRA001	Wq-Ramingining Pond 1 Inlet	08/12/2020 09:00:00	7.24	350.0	
SRA001	Wq-Ramingining Pond 1 Inlet	13/01/2021 07:00:00	7.75	220.0	
SRA001	Wq-Ramingining Pond 1 Inlet	09/03/2021 10:00:00	7.27	130.0	
SRA001	Wq-Ramingining Pond 1 Inlet	17/03/2021 09:00:00	7.18	130.0	
SRA001	Wq-Ramingining Pond 1 Inlet	13/04/2021 07:00:32	6.88	120.0	
			Mean	7.29	386.32
			Median	7.28	400
SRA002	Wq-Ramingining Pond 2 Inlet	14/08/2018 0:00	7.99	460	
SRA002	Wq-Ramingining Pond 2 Inlet	18/09/2018 0:00	7.77	480	
SRA002	Wq-Ramingining Pond 2 Inlet	9/10/2018 0:00	7.7	500	
SRA002	Wq-Ramingining Pond 2 Inlet	13/11/2018 0:00	8.81	450	
SRA002	Wq-Ramingining Pond 2 Inlet	11/12/2018 0:00	7.8	430	
SRA002	Wq-Ramingining Pond 2 Inlet	8/01/2019 10:07	7.7	340	
SRA002	Wq-Ramingining Pond 2 Inlet	19/02/2019 10:39	7.52	320	
SRA002	Wq-Ramingining Pond 2 Inlet	12/03/2019 0:00	7.73	290	
SRA002	Wq-Ramingining Pond 2 Inlet	9/04/2019 0:00	7.26	360	
SRA002	Wq-Ramingining Pond 2 Inlet	14/05/2019 9:30	8.03	320	
SRA002	Wq-Ramingining Pond 2 Inlet	11/06/2019 00:00:00	7.41	510.0	
SRA002	Wq-Ramingining Pond 2 Inlet	09/07/2019 06:48:00	7.22	570.0	
SRA002	Wq-Ramingining Pond 2 Inlet	20/08/2019 06:56:00	7.41	520.0	
SRA002	Wq-Ramingining Pond 2 Inlet	10/09/2019 06:27:08	7.5	590.0	
SRA002	Wq-Ramingining Pond 2 Inlet	08/10/2019 06:21:44	7.29	510.0	
SRA002	Wq-Ramingining Pond 2 Inlet	12/11/2019 14:07:21	8.09	390.0	
SRA002	Wq-Ramingining Pond 2 Inlet	10/12/2019 09:59:49	7.21	420.0	
SRA002	Wq-Ramingining Pond 2 Inlet	21/01/2020 09:07:10	7.1	340.0	
SRA002	Wq-Ramingining Pond 2 Inlet	11/02/2020 09:00:00	6.98	380.0	
SRA002	Wq-Ramingining Pond 2 Inlet	10/03/2020 13:49:50	6.98	280.0	
SRA002	Wq-Ramingining Pond 2 Inlet	14/04/2020 06:19:56	7.17	390.0	
SRA002	Wq-Ramingining Pond 2 Inlet	12/05/2020 09:00:54	7.09	480.0	
SRA002	Wq-Ramingining Pond 2 Inlet	09/06/2020 09:00:00	7.13	430.0	
SRA002	Wq-Ramingining Pond 2 Inlet	14/07/2020 08:00:14	7.02	490.0	

SRA002	Wq-Ramingining Pond 2 Inlet	11/08/2020 09:15:00	6.91	680
SRA002	Wq-Ramingining Pond 2 Inlet	29/09/2020 07:10:00	9.14	410
SRA002	Wq-Ramingining Pond 2 Inlet	10/11/2020 09:30:00	8.71	480.0
SRA002	Wq-Ramingining Pond 2 Inlet	17/11/2020 09:00:00	7.72	460.0
SRA002	Wq-Ramingining Pond 2 Inlet	08/12/2020 09:00:00	7.35	360.0
SRA002	Wq-Ramingining Pond 2 Inlet	13/01/2021 07:00:00	7.06	350.0
SRA002	Wq-Ramingining Pond 2 Inlet	09/03/2021 10:00:00	7.13	310.0
SRA002	Wq-Ramingining Pond 2 Inlet	17/03/2021 09:00:00	7.09	330.0
SRA002	Wq-Ramingining Pond 2 Inlet	13/04/2021 07:10:32	7.14	310.0
SRA002	Wq-Ramingining Pond 2 Inlet	11/05/2021 09:02:59	7.2	460.0
SRA002	Wq-Ramingining Pond 2 Inlet	08/06/2021 09:00:00	7.3	490.0
		Mean	7.5	423.5
		Median	7.3	425.0
SRA090	Wq-Ramingining Pond 3 Outlet	8/03/2016 0:00	8.22	276
SRA090	Wq-Ramingining Pond 3 Outlet	12/07/2016 0:00	8.58	372
SRA090	Wq-Ramingining Pond 3 Outlet	10/01/2017 0:00	9.09	284
SRA090	Wq-Ramingining Pond 3 Outlet	11/07/2017 0:00	8.23	340
SRA090	Wq-Ramingining Pond 3 Outlet	9/01/2018 16:29	8.63	300
SRA090	Wq-Ramingining Pond 3 Outlet	7/08/2018 0:00	8.9	390
SRA090	Wq-Ramingining Pond 3 Outlet	14/08/2018 0:00	8.81	400
SRA090	Wq-Ramingining Pond 3 Outlet	18/09/2018 0:00	8.76	470
SRA090	Wq-Ramingining Pond 3 Outlet	9/10/2018 0:00	9.39	470
SRA090	Wq-Ramingining Pond 3 Outlet	13/11/2018 0:00	9.62	510
SRA090	Wq-Ramingining Pond 3 Outlet	11/12/2018 0:00	7.52	470
SRA090	Wq-Ramingining Pond 3 Outlet	8/01/2019 10:07	9.12	310
SRA090	Wq-Ramingining Pond 3 Outlet	19/02/2019 10:39	7.85	300
SRA090	Wq-Ramingining Pond 3 Outlet	12/03/2019 0:00	8.92	260
SRA090	Wq-Ramingining Pond 3 Outlet	9/04/2019 0:00	7.77	280
SRA090	Wq-Ramingining Pond 3 Outlet	14/05/2019 9:30	8.08	270
SRA090	Wq-Ramingining Pond 3 Outlet	11/06/2019 00:00:00	7.84	420
SRA090	Wq-Ramingining Pond 3 Outlet	09/07/2019 06:48:00	7.48	400
SRA090	Wq-Ramingining Pond 3 Outlet	20/08/2019 06:56:00	7.68	470
SRA090	Wq-Ramingining Pond 3 Outlet	10/09/2019 06:27:08	8.34	470
SRA090	Wq-Ramingining Pond 3 Outlet	08/10/2019 06:21:44	8.98	410
SRA090	Wq-Ramingining Pond 3 Outlet	12/11/2019 14:07:21	6.99	380
SRA090	Wq-Ramingining Pond 3 Outlet	10/12/2019 09:59:49	7.85	380
SRA090	Wq-Ramingining Pond 3 Outlet	21/01/2020 09:07:10	7.69	270
SRA090	Wq-Ramingining Pond 3 Outlet	11/02/2020 14:07:21	7.21	290
SRA090	Wq-Ramingining Pond 3 Outlet	10/03/2020 13:49:50	7.12	230
SRA090	Wq-Ramingining Pond 3 Outlet	14/04/2020 06:19:56	7.43	300
SRA090	Wq-Ramingining Pond 3 Outlet	12/05/2020 09:00:54	7.5	380
SRA090	Wq-Ramingining Pond 3 Outlet	09/06/2020 09:10:00	7.4	400.0
SRA090	Wq-Ramingining Pond 3 Outlet	14/07/2020 08:00:14	7.35	340.0
SRA090	Wq-Ramingining Pond 3 Outlet	11/08/2020 09:15:00	7.35	390
SRA090	Wq-Ramingining Pond 3 Outlet	29/09/2020 07:20:00	9.7	430
SRA090	Wq-Ramingining Pond 3 Outlet	10/11/2020 09:30:00	9.3	650.0
SRA090	Wq-Ramingining Pond 3 Outlet	17/11/2020 09:00:00	9.45	730.0
SRA090	Wq-Ramingining Pond 3 Outlet	08/12/2020 09:00:00	8.33	390.0
SRA090	Wq-Ramingining Pond 3 Outlet	13/01/2021 07:00:00	7.43	250.0
SRA090	Wq-Ramingining Pond 3 Outlet	09/03/2021 10:00:00	7.38	240.0

SRA090	Wq-Ramingining Pond 3 Outlet	17/03/2021 09:00:00	7.23	270.0
SRA090	Wq-Ramingining Pond 3 Outlet	13/04/2021 07:15:32	7.28	270.0
SRA090	Wq-Ramingining Pond 3 Outlet	11/05/2021 09:02:59	7.41	320.0
SRA090	Wq-Ramingining Pond 3 Outlet	08/06/2021 09:00:00	7.46	380.0
		No. of Samples	40	
		Mean	8.1	372
		Median	7.8	380
		Median Dry Season	8.1	400
		Median Wet Season	7.8	295
		95th Percentile	9.5	510
		% Removal		
Wadeye				
SWA001	Wq-Wadeye Pond 1 Inlet	12/08/2020 07:30:53	7.08	310
SWA001	Wq-Wadeye Pond 1 Inlet	09/09/2020 08:10:00	6.81	310
SWA001	Wq-Wadeye Pond 1 Inlet	14/10/2020 08:30:02	7.05	260
SWA001	Wq-Wadeye Pond 1 Inlet	11/11/2020 08:20:00	6.88	260.0
SWA001	Wq-Wadeye Pond 1 Inlet	09/12/2020 08:30:00	6.94	260.0
SWA001	Wq-Wadeye Pond 1 Inlet	13/01/2021 08:15:00	6.94	200.0
SWA001	Wq-Wadeye Pond 1 Inlet	10/02/2021 08:30:59	6.44	45.0
SWA001	Wq-Wadeye Pond 1 Inlet	10/03/2021 07:30:36	6.89	190.0
SWA001	Wq-Wadeye Pond 1 Inlet	14/04/2021 08:00:00	7.02	190.0
SWA001	Wq-Wadeye Pond 1 Inlet	12/05/2021 08:10:00	7.21	250.0
SWA001	Wq-Wadeye Pond 1 Inlet	09/06/2021 08:00:00	7.03	260.0
		Mean	6.94	230.45
		Median	6.94	260.00
SWA002	Wq-Wadeye Pond 2 Inlet	12/08/2020 07:40:53	7.3	330
SWA002	Wq-Wadeye Pond 2 Inlet	09/09/2020 08:20:00	7.07	310
SWA002	Wq-Wadeye Pond 2 Inlet	14/10/2020 08:40:02	7.16	250
SWA002	Wq-Wadeye Pond 2 Inlet	11/11/2020 08:30:00	7.42	280.0
SWA002	Wq-Wadeye Pond 2 Inlet	09/12/2020 08:40:00	7.04	290.0
SWA002	Wq-Wadeye Pond 2 Inlet	13/01/2021 08:30:00	7.1	200.0
SWA002	Wq-Wadeye Pond 2 Inlet	10/02/2021 08:40:59	6.64	62.0
SWA002	Wq-Wadeye Pond 2 Inlet	10/03/2021 07:50:36	7.12	170.0
SWA002	Wq-Wadeye Pond 2 Inlet	14/04/2021 08:20:00	7.22	210.0
SWA002	Wq-Wadeye Pond 2 Inlet	12/05/2021 08:30:00	7.26	220.0
SWA002	Wq-Wadeye Pond 2 Inlet	09/06/2021 08:20:00	7.32	270.0
		Mean	7.15	235.64
		Median	7.16	250.00
Wadeye				
SWA090	Wq-Wadeye Pond 2 Outlet	15/09/2015 0:00	7.25	206
SWA090	Wq-Wadeye Pond 2 Outlet	23/02/2016 0:00	7.54	174
SWA090	Wq-Wadeye Pond 2 Outlet	12/07/2016 0:00	7.38	238
SWA090	Wq-Wadeye Pond 2 Outlet	17/01/2017 0:00	6.98	134
SWA090	Wq-Wadeye Pond 2 Outlet	12/07/2017 13:35	7.18	290
SWA090	Wq-Wadeye Pond 2 Outlet	10/01/2018 12:56	7.62	210
SWA090	Wq-Wadeye Pond 2 Outlet	11/07/2018 9:38	7.36	390
SWA090	Wq-Wadeye Pond 2 Outlet	9/01/2019 13:07	7.26	220
SWA090	Wq-Wadeye Pond 2 Outlet	10/07/2019 10:25:00	7.09	300
SWA090	Wq-Wadeye Pond 2 Outlet	15/01/2020 10:52:45	6.96	180

SWA090	Wq-Wadeye Pond 2 Outlet	15/07/2020 08:50:58	7.21	150.0
SWA090	Wq-Wadeye Pond 2 Outlet	12/08/2020 07:50:53	7.32	330
SWA090	Wq-Wadeye Pond 2 Outlet	09/09/2020 08:30:00	7.11	330
SWA090	Wq-Wadeye Pond 2 Outlet	14/10/2020 08:50:02	7.26	250
SWA090	Wq-Wadeye Pond 2 Outlet	11/11/2020 08:50:00	7.25	280.0
SWA090	Wq-Wadeye Pond 2 Outlet	09/12/2020 08:50:00	7.09	280.0
SWA090	Wq-Wadeye Pond 2 Outlet	13/01/2021 08:45:00	7.24	200.0
SWA090	Wq-Wadeye Pond 2 Outlet	10/02/2021 08:50:59	6.61	69.0
SWA090	Wq-Wadeye Pond 2 Outlet	10/03/2021 08:10:36	7.17	170.0
SWA090	Wq-Wadeye Pond 2 Outlet	14/04/2021 08:40:00	7.21	210.0
SWA090	Wq-Wadeye Pond 2 Outlet	12/05/2021 08:50:00	7.26	220.0
SWA090	Wq-Wadeye Pond 2 Outlet	09/06/2021 08:40:00	7.3	270.0
		No. of Samples	22	
		Mean	7.2	232
		Median	7.2	220
		Median Dry Season	7.3	270
		Median Wet Season	7.2	200
		95th Percentile	7.5	330
		% Removal		
		Log Reduction		
Warruwi				
SWR090	Wq-Warruwi Pond 2 Outlet	2/03/2016 0:00	7.18	542
SWR090	Wq-Warruwi Pond 2 Outlet	6/07/2016 0:00	8.1	662
SWR090	Wq-Warruwi Pond 2 Outlet	4/01/2017 0:00	7.99	868
SWR090	Wq-Warruwi Pond 2 Outlet	4/07/2017 0:00	8.83	450
SWR090	Wq-Warruwi Pond 2 Outlet	2/01/2018 14:05	8.66	460
SWR090	Wq-Warruwi Pond 2 Outlet	3/07/2018 14:09	8.61	490
SWR090	Wq-Warruwi Pond 2 Outlet	2/01/2019 14:57	7.18	640
SWR090	Wq-Warruwi Pond 2 Outlet	02/07/2019 00:00:00	8.8	630
SWR090	Wq-Warruwi Pond 2 Outlet	01/10/2019 07:30:00	7.82	570
SWR090	Wq-Warruwi Pond 2 Outlet	07/01/2020 13:02:53	7.87	780
SWR090	Wq-Warruwi Pond 2 Outlet	07/04/2020 06:59:19	7.44	610
SWR090	Wq-Warruwi Pond 2 Outlet	07/07/2020 11:00:00	7.74	650.0
SWR090	Wq-Warruwi Pond 2 Outlet	06/10/2020 09:00:00	8.15	610
SWR090	Wq-Warruwi Pond 2 Outlet	03/02/2021 08:30:58	7.21	840.0
SWR090	Wq-Warruwi Pond 2 Outlet	16/02/2021 08:18:04	7.31	650.0
SWR090	Wq-Warruwi Pond 2 Outlet	13/05/2021 09:15:00	7.42	1,400.0
		No. of Samples	16	
		Mean	7.9	678
		Median	7.8	635
		Median Dry Season	8.1	620
		Median Wet Season	7.3	640
		95th Percentile	8.8	1,001
Yirrkala				
SYI001	Wq-Yirrkala Pond 1 Inlet	07/07/2020 07:40:00	7.49	620.0
SYI001	Wq-Yirrkala Pond 1 Inlet	18/08/2020 08:00:43	7.47	580
SYI001	Wq-Yirrkala Pond 1 Inlet	15/09/2020 07:50:00	7.66	560
SYI001	Wq-Yirrkala Pond 1 Inlet	20/10/2020 07:45:00	8.01	550.0
SYI001	Wq-Yirrkala Pond 1 Inlet	17/11/2020 07:45:00	7.68	530.0

SYI001	Wq-Yirrkala Pond 1 Inlet	15/12/2020 08:13:51	7.27	590.0
SYI001	Wq-Yirrkala Pond 1 Inlet	20/01/2021 08:00:21	7.42	400.0
SYI001	Wq-Yirrkala Pond 1 Inlet	23/03/2021 07:18:21	8.96	420.0
SYI001	Wq-Yirrkala Pond 1 Inlet	20/04/2021 08:10:00	7.17	440.0
SYI001	Wq-Yirrkala Pond 1 Inlet	18/05/2021 07:50:34	7.37	460.0
SYI001	Wq-Yirrkala Pond 1 Inlet	15/06/2021 08:00:39	7.55	470.0
Mean			7.64	510.91
Median			7.49	530.00
SYI002	Wq-Yirrkala Pond 2 Inlet	07/07/2020 07:40:00	7.4	640.0
SYI002	Wq-Yirrkala Pond 2 Inlet	18/08/2020 08:00:43	7.94	610
SYI002	Wq-Yirrkala Pond 2 Inlet	15/09/2020 08:10:00	8.58	600
SYI002	Wq-Yirrkala Pond 2 Inlet	20/10/2020 07:50:00	7.88	600.0
SYI002	Wq-Yirrkala Pond 2 Inlet	17/11/2020 07:50:00	8.1	620.0
SYI002	Wq-Yirrkala Pond 2 Inlet	15/12/2020 08:20:51	7.71	590.0
SYI002	Wq-Yirrkala Pond 2 Inlet	20/01/2021 08:05:21	7.75	360.0
SYI002	Wq-Yirrkala Pond 2 Inlet	23/03/2021 07:18:21	7.95	410.0
SYI002	Wq-Yirrkala Pond 2 Inlet	20/04/2021 07:55:00	7.2	420.0
SYI002	Wq-Yirrkala Pond 2 Inlet	18/05/2021 08:00:34	7.75	440.0
SYI002	Wq-Yirrkala Pond 2 Inlet	15/06/2021 08:00:39	8.25	460.0
Mean			7.86	522.73
Median			7.88	590.00
Yirrkala				
SYI090	Wq-Yirrkala Pond 2 Outlet	1/09/2015 0:00	8.06	382
SYI090	Wq-Yirrkala Pond 2 Outlet	1/03/2016 0:00	8.1	498
SYI090	Wq-Yirrkala Pond 2 Outlet	5/07/2016 0:00	9.53	382
SYI090	Wq-Yirrkala Pond 2 Outlet	3/01/2017 0:00	8.79	432
SYI090	Wq-Yirrkala Pond 2 Outlet	6/06/2017 0:00	7.95	390
SYI090	Wq-Yirrkala Pond 2 Outlet	2/01/2018 15:30	7.62	620
SYI090	Wq-Yirrkala Pond 2 Outlet	3/07/2018 16:30	8.32	500
SYI090	Wq-Yirrkala Pond 2 Outlet	18/12/2018 0:00	8.61	570
SYI090	Wq-Yirrkala Pond 2 Outlet	18/06/2019 14:25:01	8.14	480.0
SYI090	Wq-Yirrkala Pond 2 Outlet	07/01/2020 13:52:56	8.57	620.0
SYI090	Wq-Yirrkala Pond 2 Outlet	09/06/2020 08:20:00	8.43	540.0
SYI090	Wq-Yirrkala Pond 2 Outlet	07/07/2020 07:40:00	7.51	620.0
SYI090	Wq-Yirrkala Pond 2 Outlet	18/08/2020 08:00:43	9.17	610
SYI090	Wq-Yirrkala Pond 2 Outlet	15/09/2020 08:15:00	9.39	590
SYI090	Wq-Yirrkala Pond 2 Outlet	20/10/2020 08:00:00	8.76	630.0
SYI090	Wq-Yirrkala Pond 2 Outlet	17/11/2020 06:00:00	8.76	620.0
SYI090	Wq-Yirrkala Pond 2 Outlet	15/12/2020 08:28:51	8.03	580.0
SYI090	Wq-Yirrkala Pond 2 Outlet	20/01/2021 08:10:21	7.81	360.0
SYI090	Wq-Yirrkala Pond 2 Outlet	23/03/2021 07:18:21	8.13	400.0
SYI090	Wq-Yirrkala Pond 2 Outlet	20/04/2021 08:00:00	7.32	360.0
SYI090	Wq-Yirrkala Pond 2 Outlet	18/05/2021 08:10:34	7.79	450.0
SYI090	Wq-Yirrkala Pond 2 Outlet	15/06/2021 08:00:39	7.83	480.0
SYI090	Wq-Yirrkala Pond 2 Outlet	06/07/2021 08:10:00		
No. of Samples			22	
Mean			8.3	505
Median			8.1	499
Average Dry Season			8.2	490
Average Wet Season			8.1	534

	95th Percentile	9.4	620
	% Removal		
	Log Reduction		

Physical-chemical Parameters				Biological Parameters		Nutrient Parameters	
DO (mg/L)	DO % Sat.	Turbidity (NTU)	SS (mg/L)	BOD (mg/L)	Chl-a (ug/L)	NH3-N Free (mg/L)	NH3-N Organic (mg/L)
6.37	78	13	8	4.1	26	0.45	6.8
9.21	110	28	66	18	74	0.6	3.5
12.1	120	40	103	21	89	0.8	4.3
4.69	54	15	17	4.2	36	1	3.6
7.59	94	8.9	18	<1	29	<0.2	16
5.31	57	16	21	5.0	4.0	0.6	3.0
4.97	60	46	40	33.0	160.0	0.9	9.8
3.87	46	29	40	5.4	5.0	0.8	3.3
8.12	95.0	170.0	73.0	32.0	477.0	0.5	6.0
7.95	100.0	170.0	80.0	32.0	441.0	1.2	8.6
5.5	67.0	50.0	36.0	22.0	148.0	0.8	4.4
5.72	75.0	60.0	28.0	13.0	128.0	0.6	2.8
4.16	52.0	11.0	16.0	4.7	39.0	0.7	1.8
10.1	120.0	66.0	52.0	14.0	142.0	1.0	3.7
6.83	81	52	43	14.92	128	0.72	5.54
6.05	77	35	38	13.50	82	0.75	4.00
5.31	57	28	40	5.40	39	0.70	3.50
6.37	78	46	36	21.00	128	0.80	6.80
10.80	120	170	88	32.35	454	1.07	11.97
8.08	97	44	44	11	142	1.2	7
4.22	47	87	117	23	946	1.5	15
8.19	89	48	31.4	17	236	2.2	3.6
8.18	93	140	127	34	1320	2.3	15
8.38	86	330	140	68	901	0.8	16
7.6	81	310	143	31	799	1.7	10
6.38	72	90	110	33	838	2.5	11
10.2	110	83	90	33	595	0.9	10
5.46	61	230	125	42.0	803	0.4	12.0
1.37	16	230	320	200.0	894	6.2	48.0
16.6	210	180	110	29.0	720	0.5	11.0
<0.1	<10	33	33	27.0	52	1.4	7.1
0.72	<10	220.0	137.0	36.0	833.0	1.0	14.0
1.81	22	310	155	52.0	1,770	1.2	20.0
1.38	13.0	64.0	67.0	28.0	668.0	3.2	7.4
3.57	36.0	41.0	44.0	20.0	310.0	0.6	4.9
5.76	65	153	112	42.75	739.19	1.73	13.25
5.92	67	115	114	32.00	801.00	1.30	11.00
4.84	54	225	132	39.00	897.50	1.35	15.00
7.84	85	56	56	27.50	452.50	1.30	7.25
11.80	135	315	196	101.00	1432.50	3.95	27.00

5.65	63	3.9	<5	3.5	50	1.1	1.7
8.31	95	15	16.7	11	63	0.5	1.9
8.27	93	13	18	8.5	269	1.2	2.3
<0.1	<10	160	240	44	1,610	1.3	24
6.16	71	37	74	26	518	1.5	6.7
2.63	30	8	95	56	1,070	3.2	12
9.93	110	29	70	24	232	0.9	7.6
0.27	<10	300	803	35	543	6.1	27
0.74	10	1,000	2,000	310.0	2,730	2.3	61.0
<0.1	<10	310	420	36.0	1,030	2.2	17.0
3.26	37	370	520	39.0	983	4.6	20.0
<0.1	<10	71	124	31.0	256	12.0	15.0
<0.1	69	150	190	11.0	326	3.0	15.0
<0.1	<10	200	105	54.0	225	5.4	15.0
4.23	49	18	22	6.7	216	3.9	3.4
4.64	53	1.0	7	1.8	29	0.7	1.6
6.71	79	9.2	14	<1	108	0.8	2.6
4.75	57	5.3	6	1.2	123	0.8	2.4
2.08	25	3.1	10	4.5	32	1.1	1.3
<0.1	<10	100.0	48.0	100.0	65.0	20.0	5.3
0.1	<10	190	63	54.0	90.0	24.0	6.6
<0.1	<10	110	85	83.0	349	24.0	12.0
4.69	56	220	145	12.0	2,880	3.2	17.0
<0.1	<10	801	2001	38.0	1,090.0	2.9	25.0
0.41	<10	58.0	60.0	26.0	392.0	2.9	8.0
1.37	16.0	73.0	118.0	13.0	47.0	2.0	3.9
4.9	52.0	1.3	6.0	<1	2.0	0.8	0.7
5.34	64.0	3.0	<5	2.7	11.0	1.1	1.8
3.34	41.0	3.4	<5	3.4	7.0	0.9	1.1
3.99	37.0	6.0	8.0	5.4	43.0	0.5	1.3
10.9	120.0	18.0	32.0	16.0	458.0	0.7	4.0
3.32	41	138	236	34.12	511.19	4.37	10.46
3.26	37	37	63	16.00	232.00	2.00	6.60
3.63	37	69	67	25.00	290.50	1.85	6.65
2.63	41	18	60	11.00	225.00	2.00	3.90
3.32	41	138	236	34.12	511.19	4.37	10.46
			230	170.0		24.0	9.1
			114	92.0		26.0	6.9
0.3	<10	49.0	83.0	60.0	2.0	18.0	4.3
0.44	<10	30.0	58.0	43.0	<1	11.0	3.2
0.4	<10	100.0	110.0	120.0	2.0	19.0	3.7
0.48	<10	12.0	40.0	42.0	1.0	12.0	3.5
0.37	<10	9.0	14.0	10.0	1.0	7.0	2.1
0.48	10.0	50.0	68.0	67.0	1.0	17.0	4.8
0.17	<10	15.0	34.0	35.0	1.0	8.2	2.5
0.38	5.71	37.86	84.80	66.80	1.21	14.49	5.61
0.40	5.00	30.00	75.50	51.50	1.00	14.50	4.00
			303	59.0		120.0	29.0

			90	76.0		30.0	5.3
0.21	<10	14.0	47.0	38.0	1.0	8.2	3.1
0.31	<10	8.0	16.0	19.0	<1	4.1	1.6
1.99	24.0	18.0	20.0	5.7	48.0	2.2	3.7
1.67	19.0	25.0	28.0	18.0	60.0	3.1	3.7
0.93	<10	64.0	72.0	33.0	327.0	1.9	7.8
2.27	22.0	35.0	52.0	32.0	283.0	4.7	5.7
0.58	<10	86.0	88.0	60.0	561.0	2.9	9.4
1.14	12.14	35.71	79.56	37.86	182.93	19.68	7.70
0.93	5.00	25.00	52.00	33.00	60.00	4.10	5.30
<0.1	<10	130	108	66	1119	3.8	14
<0.1	<10	48	173	73	3	39	9.2
15.4	150	92	125	70	493	0.6	18
7.44	79	340	170	72	1370	0.6	17
4.64	52	110	125	25	607	5.3	12
4.13	46	170	130	37	344	2.9	14
4.85	39	110	145	42.0	765	2.6	13.0
3.59	43	100	67	29.0	340	1.1	7.0
<0.1	<10	58	57	25.0	227	4.7	6.4
<0.1	<10	78.0	58.0	14.0	485.0	0.6	7.2
			117	38.0		2.3	13.0
			58	69.0		36.0	7.0
0.25	<10	84.0	72.0	80.0	360.0	14.0	7.4
0.18	<10	140.0	167.0	56.0	438.0	30.0	10.0
3.46	33.0	89.0	80.0	34.0	108.0	6.1	5.9
0.42	<10	25.0	40.0	15.0	51.0	1.9	5.3
2.71	31.0	26.0	46.0	17.0	103.0	2.9	3.7
1.22	12.0	66.0	88.0	40.0	340.0	2.0	9.1
0.49	<10	37.0	44.0	29.0	274.0	4.1	5.7
0.76	<10	93.0	96.0	63.0	454.0	2.9	10.0
2.76	29	100	98	44.70	437.83	8.17	9.75
0.99	9	91	92	39.00	352.00	2.90	9.15
0.76	5	92	117	42.00	485.00	2.90	10.00
1.22	12	89	80	37.00	340.00	2.90	7.40
8.63	90	196	170	73.35	1156.65	36.15	17.05
				33%		44%	

45	120	36	4.5
86.7	110	21	5.6
103	130	26	6.8
103	92	23	6.5
117	110	27	6.7
30	110	35	4.9
55	100	26	4.6
43.3	120	31	4.2
115	110	31	6.1
132	120	31	9.5
58	100	22	4.5
118	89	25	7.3

			53.3	54		28	5.1
			100	100		27	7.3
			56.7	63		25	7.3
			88	110		26	11
			73.3	77		33	8.1
			71.4	41		27	10
			50	46		19	5.9
			48	40		20	5
			75	65		25	5.1
			53.3	98		28	15
			44	96		30	6
			47.5	77		25	5.6
			86	120		36	7.9
			90	100		37	8.6
			107	120		37	8.1
			72	80		33	7.7
			76	86		31	7.7
			86.7	86		31	8
			75	57		21	8.7
			76	71		19	8.2
			49	33		18	7
			60	40		19	8.1
			57.5	46		26	7.2
			83.3	83		27	6.1
			40	45		26	9.4
4.27	43	63	78	84	3	35	6.3
			44	100		40	6.3
			46.7	90		36	6.4
			66.7	61		35	7.6
			58	69		33	6
			53.3	64		37	7.9
			53.3	68		31	4.9
			66.7	100		33	4.7
			36.7	81		40	n.a
			56.7	87		21	9.3
			70	85		37	7.6
			53.3	120		39	5.5
			44	68		22	5.2
			32	64		20	3.2
			114	54		24	4.6
			25	40		16	3.5
			353	63		28	7.6
			37	88		42	5
1.32	14	62	70	110	18	40	6.1
1.91	22		63	87		37	11
			72	80		47	7.4
			52	110		46	6.1
			45	79		44	5.8
			42	73		45	6.2
<0.1	<10	51	50	73	16	43	5.7

			20	51		15	5.2
			417	140		21	8.6
			38	82		35	4.7
<0.1	<10	90	60	81	30	44	5.4
<0.1	<10	86	90	140	9	49	7.9
<0.1	<10	81.0	70.0	100.0	16.0	30.0	9.6
<0.1	<10	320.0	305.0	99.0	89.0	38.0	11.0
0.1	5.0	not suitable	2,001.0	960.0	481.0	57.0	53.0
0.26	<10	800.0	1,560.0	240.0	141.0	38.0	42.0
0.19	<10	400.0	2,001.0	740.0	106.0	43.0	55.0
7.09	73.0	95.0	44.0	27.0	597.0	12.0	7.2
1.32	16.0	39.0	34.0	79.0	13.0	16.0	2.8
0.7	<10	79.0	32.0	61.0	6.0	21.0	2.6
0.38	<10	70.0	88.0	80.0	3.0	24.0	5.1
0.74	<10	120.0	137.0	72.0	32.0	29.0	5.6
0.17	10.0	120.0	56.0	99.0	77.0	29.0	5.3
0.23	<10	150.0	60.0	89.0	20.0	31.0	5.9
0.86	11.47	170.87	248.24	133.97	103.38	32.82	10.20
2.95	32.20	520.00	1736.40	440.00	510.00	47.80	46.40
			100	66		28	9.5
			86.7	86		28	7.3
			120	89		28	11
			85	66		27	9.4
			75	65		24	9.6
			125	89		28	14
			110	80		19	13
			105	80		26	8
			72.5	63		27	7.6
			70	69		25	8.1
			30	90		21	3.5
			137	140		26	7.9
			37.5	54		23	4.5
			60	76		23	7.6
			42.5	42		24	6.4
			137	92		22	17
			93.3	80		34	7.1
			52	9.3		9.7	3.9
			98	52		14	10
			54	21		20	6.4
			63.3	51		25	16
			74	21		20	8.3
			60	47		22	10
			87.5	60		27	16
			113	65		24	17
			82.5	26		26	13
			98	41		22	12
			64	22		11	9.6
			148	60		18	20
			52	43		15	9.4
			86	59		12	10

			66	32		11	10
			46.7	28		16	7.3
			60	32		22	8.6
			53.3	20		21	7.8
			66.7	94		31	10
5.6	57	66	83.3	35	357	24	12
			100	30		26	13
			120	26		19	12
			56	24		19	8.6
			94	37		17	9.7
			130	35		18	15
			56.7	28		23	8
			63.3	20		19	6.3
			80	34		29	n.a
			86.7	31		21	8.7
			110	21		21	14
			90	64		31	12
			92	22		25	10
			108	52		15	13
			113	39		17	5.3
			67	33		22	5.6
			47	29		15	4.7
			70	43		26	6.3
			50	73		37	8.8
<0.1	<10	89	95	75	173	37	9.6
<0.1	<10		116	63		34	13
			113	58		40	13
			130	55		38	13
			107	65		39	11
			95	54		40	12
<0.1	<10	55	46	33	675	36	8.5
			45	27		15	6.1
			49	34		18	4.4
			78	41		30	8.8
<0.1	<10	110	95	67	630	36	10
<0.1	<10	71	90	120	20	47	6.9
<0.1	<10	200.0	143.0	59.0	304.0	29.0	13.0
<0.1	<10	150.0	124.0	69.0	461.0	31.0	11.0
0.1	5.0	200.0	143.0	54.0	267.0	33.0	14.0
0.22	<10	140.0	108.0	68.0	479.0	29.0	11.0
0.16	<10	220.0	110.0	50.0	1,360.0	25.0	14.0
0.24	<10	130.0	67.0	38.0	273.0	23.0	6.7
0.43	<10	68.0	66.0	37.0	422.0	15.0	5.7
0.47	<10	81.0	45.0	33.0	446.0	17.0	5.8
0.24	<10	71.0	56.0	58.0	450.0	20.0	6.8
0.42	<10	870.0	1,520.0	48.0	951.0	26.0	20.0
0.14	<10	200.0	160.0	68.0	295.0	27.0	12.0
0.13	<10	1,000.0	710.0	150.0	1,550.0	31.0	43.0
0.2	5.0	228.4	151.3	53.9	547.3	27.8	10.8
0.4	5.0	902.5	352.5	90.7	1407.5	40.0	16.1

56								
			128	24		8.7	14	
			107	60		23	11	
			62.5	41		22	9.2	
			47.5	22		18	6.3	
			56.7	42		18	9.2	
			65	43		8.8	11	
			33.3	27		10	7.1	
			76.7	54		17	11	
			72	25		12	8.5	
			30	22		13	5.8	
			11	10		13	3.1	
			63	35		11	6.8	
			58	58		18	7.9	
			26.7	25		11	6.1	
			43.3	20		18	7.1	
			80	64		15	11	
			167	52		17	14	
			87.5	48		11	11	
			58.7	53		18	4.9	
			46	26		16	6.5	
			40	14		15	5.4	
			63.3	39		22	17	
			60	14		25	8.7	
			62.5	43		22	9.3	
			42	32		24	9.3	
			58	19		21	9.5	
			14	19		15	13	
			46	23		15	8.4	
			102	40		19	13	
			108	17		9.6	15	
			42	23		12	7	
			58	34		9.4	7.2	
			66	29		8	9.7	
			40	17		12	6.1	
			50	13		18	6.9	
			30	11		19	5.1	
			52	21		17	7.4	
7.84	83	49	53.3	20	139	18	9	
			60	21		17	10	
			50	22		9.8	9.9	
			38	16		12	7.1	
			82	24		0.7	19	
3.42	39	56	58	18	413	8.7	8.6	
			56.7	36		17	6.7	
			93.3	59		26	13	
			50	29		24	n.a	
5.58	61	42	56.7	25	960	18	7.9	
			93.3	13		14	11	
			43.3	13		25	6	

			52.5	19		19	8.3
0.38	<10	45	50	19	431	12	7.2
			23	14		9.6	4.1
			8	2.2		16	2.3
			38	12		11	3.8
			57	10		16	6.2
			59	30		26	8
1.98	22	38	40	24	176	25	8
7.01	79		107	57		15	12
			87	35		21	12
			53	29		21	7.3
			30	20		17	6
			52	34		20	10
2.76	32	53	34	17	450	14	7.5
			17	5.4		11	2.4
			42	19		12	5.1
			75	17		18	7.8
0.88	<10	63	100	38	1460	25	9.6
1.35	14	76	140	51	1140	24	13
<0.1	<10	28	30	14	84	17	5.7
3.95	44.0	51	55	17.0	351	20.0	8.2
<0.1	<10	170	150	190.0	415	14.0	21.0
0.82	<10	95.0	77.0	44.0	635.0	12.0	10.0
4.39	53.0	140.0	78.0	24.0	255.0	14.0	8.3
<0.1	<10	170.0	100.0	27.0	334.0	15.0	11.0
4.39	38.0	180.0	78.0	10.0	687.0	11.0	12.0
2.98	29.0	220.0	97.0	33.0	1,340.0	2.5	15.0
0.15	<10	400.0	1,460.0	120.0	17,400.0	5.0	54.0
0.21	<10	400.0	1,070.0	310.0	70.0	30.0	41.0
5.24	62.0	42.0	33.0	32.0	818.0	9.3	5.1
2.05	20.0	27.0	40.0	14.0	546.0	10.0	3.9
3.73	44.0	86.0	84.0	60.0	1,730.0	9.4	11.0
6.54	72.0	77.0	70.0	33.0	654.0	11.0	7.4
0.28	<10	31.0	24.0	24.0	210.0	16.0	5.1
2.14	23.0	76.0	72.0	20.0	202.0	17.0	7.0
2.48	27.74	114.09	125.68	38.83	1379.45	15.86	10.29
2.05	22.00	76.00	56.85	24.00	498.00	15.50	7.95
2.14	23.00	69.50	59.00	24.00	342.50	18.00	8.25
2.41	24.50	66.50	50.00	20.00	498.00	11.00	7.20
6.44	71.00	391.00	288.00	130.50	1716.50	25.15	24.00
				71%		52%	
0.1	<10	160	60	160.0	88.0	40.0	7.3
<0.1	<10	280	100	89.0	473	29.0	10.0
0.1	<10	200.0	150.0	110.0	139.0	37.0	10.0
<0.1	<10	170.0	77.0	120.0	202.0	33.0	8.5
0.27	<10	180.0	73.0	110.0	280.0	29.0	8.2
0.29	<10	160.0	60.0	160.0	85.0	29.0	6.2
0.67	<10	240.0	177.0	140.0	39.0	25.0	9.3

0.61	<10	97.0	74.0	110.0	143.0	23.0	5.8
0.27	<10	80.0	52.0	93.0	80.0	19.0	5.1
0.14	<10	140.0	48.0	110.0	220.0	29.0	6.4
0.13	<10	140.0	84.0	100.0	119.0	23.0	7.7
0.24	5.00	167.91	86.82	118.36	169.82	28.73	7.68
0.14	5.00	160.00	74.00	110.00	139.00	29.00	7.70
<0.1	<10	180	67	180.0	209.0	38.0	8.4
<0.1	<10	260	110	78.0	673	28.0	11.0
<0.1	<10	230.0	97.0	79.0	304.0	27.0	10.0
<0.1	<10	200.0	87.0	170.0	481.0	35.0	9.0
0.24	<10	210.0	103.0	69.0	525.0	27.0	9.3
0.36	<10	150.0	90.0	100.0	1,070.0	27.0	7.9
0.35	<10	150.0	87.0	82.0	395.0	23.0	6.2
0.3	<10	88.0	64.0	69.0	139.0	22.0	5.5
0.19	<10	130.0	48.0	88.0	206.0	21.0	5.4
0.12	10.0	170.0	48.0	91.0	153.0	30.0	6.2
<0.1	<10	170.0	76.0	73.0	268.0	26.0	8.7
0.16	5.45	176.18	79.73	98.09	402.09	27.64	7.96
0.12	5.00	170.00	87.00	82.00	304.00	27.00	8.40
7.47	71	84	61.7	23	91	11	9.8
<0.1	<10	56	30	24	154	21	7.5
1.6	<10	85	55	45	101	14	10
16	180	79	42	45	477	16	10
4.29	46	120	68	32	723	23	8.9
3.62	42	260	145	100	582	7.2	20
2.38	25	160	115	56.0	798	21.0	14.0
<0.1	<10	270	118	71.0	206	6.9	18.0
<0.1	<10	110	57	22.0	70	14.0	7.4
<0.1	<10	260.0	287.0	26.0	489.0	14.0	14.0
0.1	<10	450	190	40.0	419.0	13.0	17.0
<0.1	<10	210	150	24.0	247	16.0	16.0
0.1	<10	190.0	95.0	35.0	114.0	14.0	14.0
<0.1	<10	410.0	184.0	98.0	650.0	18.0	26.0
0.12	<10	150.0	78.0	30.0	297.0	15.0	14.0
0.36	<10	42.0	26.0	24.0	37.0	11.0	6.4
11.4	110.0	95.0	62.0	22.0	319.0	12.0	6.6
0.41	<10	110.0	76.0	36.0	257.0	13.0	8.0
0.39	<10	94.0	64.0	40.0	771.0	11.0	8.5
0.23	<10	78.0	48.0	26.0	313.0	20.0	6.8
0.19	<10	110.0	68.0	93.0	456.0	16.0	10.0
2.33	26	163	96	43.43	360.52	14.62	12.04
0.23	5	110	68	35.00	313.00	14.00	10.00
0.10	5	160	95	32.00	419.00	16.00	14.00
0.40	5	103	63	38.00	277.00	12.50	9.90
11.40	110	410	190	98.00	771.00	21.00	20.00
				61%		50%	
3.5	40	41	54.3	12	311	4.1	6.2
<0.1	<10	72	135	87	2270	20	15

0.45	<10	78	66	21	270	3.8	7.5
1.09	11	86	120	63	1760	7.7	8.9
<0.1	<10	33	31	21	496	6.8	6
5.21	53.0	100	130	38.0	2,670	0.4	13.0
<0.1	<10	86	76	41.0	480	4.2	8.2
<0.1	<10	46	67	35.0	972	15.0	7.0
<0.1	<10	26.0	28.0	20.0	<1	10.0	4.3
<0.1	<10	55	78	24.0	800.0	14.0	8.7
<0.1	<10	94.0	156.0	40.0	3,670.0	8.2	15.0
1.18	12.0	84.0	107.0	23.0	1,050.0	1.4	8.8
2.76	26.0	51.0	128.0	58.0	2,940.0	7.5	12.0
2.89	32.0	42.0	97.0	33.0	1,560.0	6.2	8.3
1.25	15	64	91	36.86	1374.96	7.81	9.21
0.25	5	64	88	34.00	1011.00	7.15	8.50
0.05	5	72	120	38.00	1760.00	10.00	8.90
1.18	12	51	76	23.00	496.00	4.20	8.20
4.10	45	96	142	71.40	3195.50	16.75	15.00

477

885	460	46	60
1460	240	38	79
355	160	23	29
247	200	29	23
150	88	16	16
170	88	14	16
120	68	25	11
150	90	25	16
100	60	19	12
103	100	20	16
543	160	21	22
177	99	24	16
235	100	25	21
184	58	20	20
150	87	23	16
285	260	17	38
176	88	19	19
168	92	21	20
147	89	19	15
183	52	19	18
155	81	20	14
217	96	22	17
163	120	32	15
165	120	27	18
204	120	27	21
170	79	26	19
157	190	33	18
293	150	20	34
163	93	25	20
150	49	18	19
145	41	13	17

			145	58		20	13
			128	86		17	12
			135	55		13	15
			160	66		20	16
			163	63		17	18
0.69	<10	120	170	69	200	19	21
			173	43		16	21
			148	40		11	18
			116	44		13	12
			70	47		17	9.1
			90	58		20	8.8
			80	50		25	8.1
			100	29		18	8.4
			110	48		24	14
			125	65		20	13
			175	33		17	21
			135	88		20	17
			247	93		21	22
			58	26		17	8.6
			89	56		20	8.9
			207	120		20	21
3.43	38	120	115	49	264	27	1.1
<0.1	<10	120	125	53	414	24	14
<0.1	<10		350	110		21	27
			447	140		39	13
			210	99		21	22
			150	50		17	17
			140	250		39	11
			125	43		19	15
<0.1	<10	120	147	190	2	28	12
			80	44		16	10
			155	140		22	10
			170	130		52	14
			103	33		24	9.5
<0.1	<10	200	127	49	243	25	13
			240	137		23.0	14.0
<0.1	5		250	113	406	22.0	9.5
0.1	5.0		280.0	96.0	63.0	187.0	21.0
2.25	22.0		140.0	108.0	53.0	294.0	24.0
0.19	<10		250.0	100.0	79.0	215.0	21.0
0.16	<10		100.0	53.0	68.0	72.0	23.0
0.56	<10		130.0	68.0	80.0	300.0	21.0
1.56	17.0		160.0	85.0	33.0	292.0	19.0
0.18	<10		270.0	180.0	62.0	904.0	26.0
0.7	9.8	183.1	147.3	81.5	299.4	23.6	13.1
2.7	28.4	274.0	303.7	167.5	634.5	39.0	22.0
			330	91		23	21
			250	88		23	25
			245	84		20	23

			130	54		18	13
			133	72		13	17
			210	67		11	17
			130	65		17	12
			156	45		18	16
			175	52		15	16
			68	42		16	9.6
			133	51		17	12
			220	85		18	18
			225	110		20	23
			124	67		20	17
			172	71		19	17
			172	63		12	19
			137	70		17	15
			177	53		15	17
			123	53		16	14
			235	48		14	18
			168	54		13	14
			204	51		15	15
			130	65		20	15
			160	66		20	17
			156	71		21	19
			177	38		22	19
			138	69		17	19
			360	80		20	25
			270	85		17	27
			147	23		16	18
			118	17		12	15
			140	45		16	13
			125	46		13	13
			135	53		14	17
			127	30		16	13
			140	15		16	16
4.47	45	87	110	36	369	13	18
			157	49		15	19
			307	80		6.4	24
			138	52		6.3	19
			108	22		7.7	13
			90	30		12	11
			127	43		20	14
			103	17		14	9.4
			105	17		17	12
			96.7	40		15	12
			130	35		15	16
			100	40		6.4	18
			65	27		13	13
			80	32		13	11
			74	3.4		12	7.7
			35	20		17	4.5
5.19	57	53	58	29	218	23	9.5

<0.1	<10	75	60	28	324	18	11
<0.1	<10		133	63		20	15
			104	23		22	12
			96	32		22	12
			117	17		13	13
			108	47		13	13
			93	44		11	17
<0.1	<10	61	63	36	348	20	8.7
			60	32		7.1	8.8
			78	47		15	9.6
			80	22		23	9.8
			80	30		16	11
<0.1	<10	190	130	49	204	25	13
0.1	5	200	113	25.0		17.0	13.0
<0.1	5	270	175	27.0	1,340	13.0	16.0
0.1	5.0	310.0	143.0	28.0	220.0	8.9	19.0
1.95	19.0	210.0	130.0	25.0	580.0	19.0	14.0
0.18	<10	200.0	97.0	50.0	278.0	19.0	11.0
1.23	12.0	84.0	57.0	15.0	247.0	13.0	7.3
0.28	10.0	110.0	64.0	41.0	360.0	12.0	7.9
0.97	10.0	79.0	60.0	22.0	442.0	13.0	7.2
9.77	100.0	92.0	60.0	12.0	325.0	1.1	7.7
1.4	17.7	148.8	91.3	31.4	407.2	15.2	11.6
6.8	72.1	286.0	138.5	49.6	922.0	23.0	17.6
			210	79		24	13
			205	81		22	21
			160	68		21	15
			125	51		19	13
			145	82		13	18
			145	68		11	16
			120	52		14	11
			124	38		17	13
			103	53		14	13
			56	39		16	9.1
			128	53		17	12
			184	37		19	19
			168	96		14	17
			150	74		18	15
			163	91		19	21
			136	37		11	18
			126	62		14	16
			123	64		19	16
			125	61		14	15
			170	46		13	16
			127	53		15	12
			120	42		14	13
			157	66		19	15
			150	66		19	18
			140	45		21	17
			152	30		21	18

			94	62		17	17
			118	79		20	20
			160	46		13	23
			150	29		15	18
			133	44		10	15
			140	45		16	13
			108	52		12	12
			130	58		13	18
			92.5	30		15	13
			103	18		14	14
6.41	68	80	100	39	441	10	17
			86.7	34		14	14
			107	37		5.9	18
			123	46		4.2	19
			138	47		5	16
<0.1	<10	130	182	67	3581	4.4	22
			70	25		17	9.4
			76.7	13		10	8.3
			75	10		14	9.7
0.4	<10	61	57.5	25	339	11	11
			73.3	19		12	13
			110	35		2.2	19
			50	21		7.6	13
12	137	62	37.5	30	305	8	8.7
			36	22		6.3	6.2
			35	23		14	6.6
7.31	80	28	32	17	279	18	7.5
<0.1	<10	26	23	14	243	13	6.1
0.26	<10		380	180		9.3	47
			90	28		11	11
			52	14		7.7	9.3
			40	17		6	8
			83	34		4.6	13
			62	37		6.1	16
143	12	110	97	52	489	7	16
			60	36		9.2	10
			47	44		11	10
			37	5.1		9.5	8.7
			33	12		8	12
<0.1	<10	82	93	33	287	19	11
7.1	84	89	63	21	116	6.6	10
7.27	78.0	64	80	17.0	1250	12.0	10.0
7.02	76.0	130	90	31.0	876	8.5	13.0
0.99	10.0	100.0	110.0	36.0	854.0	8.9	12.0
5.55	62	77	78	18.0	292.0	9.9	9.2
0.6	5	120	115	14.0	1,030	6.3	11.0
2.38	21.0	180.0	103.0	20.0	218.0	3.3	14.0
0.5	<10	80.0	58.0	15.0	89.0	6.9	8.3
0.14	<10	150.0	107.0	52.0	643.0	15.0	13.0
6.43	66.0	160.0	113.0	16.0	1,820.0	7.8	15.0

0.53	10.0	150.0	80.0	54.0	429.0	9.3	12.0
0.78	<10	190.0	120.0	51.0	515.0	11.0	13.0
2.23	24.0	94.0	116.0	18.0	710.0	17.0	9.9
10.23	35	103	81	31.21	568	9.50	12.16
1.61	11	94	76	22.50	429	9.05	11.00
0.99	10	80	77	18.50	316	10.45	11.00
3.61	11	130	80	36.00	502	7.80	13.00
18.55	87	181	117	52.7	1307	17.35	17.05
				62%		60%	
0.1	5	310	147	79.0	1,030.0	4.8	16.0
<0.1	5	220	120	75.0	728	2.5	15.0
1.8	19	240	110	56.0	557	6.4	12.0
0.26	<10	270.0	176.0	29.0	577.0	4.8	15.0
0.18	<10	300.0	116.0	55.0	698.0	3.3	13.0
0.5	<10	200.0	40.0	49.0	590.0	1.6	11.0
2.16	23.0	22.0	22.0	8.5	285.0	3.0	3.2
0.46	<10	27.0	24.0	15.0	332.0	2.2	3.3
0.31	<10	76.0	32.0	22.0	356.0	6.0	5.3
0.77	10.0	130.0	92.0	30.0	489.0	9.1	11.0
0.29	<10	200.0	100.0	42.0	486.0	8.4	10.0
0.63	8.36	181.36	89.00	41.86	557.09	4.74	10.44
0.31	5.00	200.00	100.00	42.00	557.00	4.80	11.00
<0.1	<10	710	315	210.0	4,140.0	0.9	39.0
<0.1	<10	350	177	100.0	1,210	0.4	18.0
1.63	17	560	240	130.0	1,560	1.0	27.0
0.2	<10	430.0	200.0	47.0	1,430.0	1.5	25.0
6.91	80.0	590.0	245.0	130.0	1,740.0	1.0	28.0
0.92	<10	150.0	70.0	31.0	436.0	0.6	8.4
1.75	19.0	53.0	36.0	13.0	244.0	1.3	3.7
0.54	<10	57.0	40.0	20.0	413.0	1.1	5.1
0.2	<10	290.0	368.0	54.0	2,530.0	1.7	12.0
2.96	29.0	130.0	128.0	62.0	799.0	0.4	16.0
0.66	<10	100.0	84.0	34.0	596.0	0.9	12.0
1.44	16.36	310.91	173.00	75.55	1,372.55	0.98	17.65
0.66	5.00	290.00	177.00	54.00	1,210.00	1.00	16.00
5.9	68	160	86.7	36	461	2.6	8
<0.1	<10	380	255	79	1,030	0.7	23
<0.1	<10	200	120	41	653	0.6	14
<0.1	<10	82	110	28	420	1.7	6.5
<0.1	<10	460	165	100	1,830	0.9	23
1.91	22	660	260	160.0	3,080	0.3	34.0
2.72	30	240	115	60.0	988	1.2	13.0
<0.1	<10	270.0	130.0	25.0	1,440.0	0.8	16.0
<0.1	<10	360	177	72.0	1,180.0	1.2	18.0
<0.1	<10	270	137	80.0	1,010	0.4	16.0
1.98	21	420	180	85.0	1,440	0.8	21.0
0.18	<10	800.0	2,001.0	460.0	13,700.0	1.7	54.0
0.27	<10	270.0	108.0	45.0	552.0	0.7	14.0

1.14	12.0	140.0	67.0	25.0	414.0	0.5	8.4
1.83	19.0	50.0	20.0	17.0	256.0	1.1	3.9
0.59	<10	40.0	32.0	22.0	333.0	1.1	5.0
0.33	<10	74.0	64.0	18.0	504.0	1.4	5.8
1.76	18.0	100.0	80.0	22.0	648.0	0.3	12.0
0.74	<10	100.0	88.0	33.0	570.0	0.4	11.0
1.04	13	267	221	74.11	1,606	0.97	16.14
0.33	5	240	115	41.00	653	0.80	14.00
0.05	5	270	137	72.00	1,030	0.70	16.00
0.33	5	160	87	36.00	504	1.10	8.40
3.04	34	674	434	190.00	4,142	1.79	36.00
				-77%		80%	
3.05	37	57	73.3	28	395	13	8.4
7.7	89	48	75	36	1,098	21	9.7
0.99	12	67	83.3	24	1,404	11	7.4
<0.1	<10	46	73	10	707	30	5
<0.1	<10	75	163	63	526	9.4	8.1
<0.1	<10	18	30	24	240	24	9.7
<0.1	<10	52	44	30	312	19	10
7.81	83	58	70	27.0	481	18.0	7.2
60.4	<10	69	55	25.0	2,080	19.0	10.0
7.18	84	58	72	23.0	1,000	15.0	8.1
5.75	57	32	30	<1	319	13.0	5.4
<0.1	<10	66.0	60.0	25.0	691.0	16.0	8.1
<0.1	<10	38.0	55.0	21.0	558.0	16.0	7.0
0.18	<10	120.0	975.0	26.0	817.0	15.0	6.7
2.32	22.0	86.0	124.0	17.0	1,340.0	16.0	7.8
6.38	28	59	132	25.30	798	17.03	7.91
0.99	5	58	72	25.00	691	16.00	8.10
3.88	5	53	65	25.00	699	20.00	8.90
0.99	12	58	73	24.00	558	15.00	7.80
23.59	86	96	407	44.10	1607	25.80	10.00
			64	92		22	6.7
			148	81		19	3.1
			147	52		17	10
			350	120		19	28
			147	86		19	16
			190	150		14	24
			130	85		16	13
			165	81		12	11
			70	47		19	6.9
			45	80		26	5.7
			37.5	62		15	4.2
			217	95		23	8.5

			312	64		31	16
			1130	190		31	45
			62.9	100		26	8.7
			58	62		18	6.2
			106	65		12	5.5
			240	73		16	5.9
			907	140		25	12
			2060	500		26	68
			1550	370		26	40
			188	110		26	13
			280	190		38	19
			317	160		31	26
			1230	220		41	74
			550	150		35	35
			110	110		30	12
			230	110		15	17
			86.7	84		25	6.8
			64	72		17	5.8
			66	79		18	8.1
			110	86		29	10
			110	70		28	12
			113	35		24	12
			660	280		26	58
			127	110		34	14
6.95	73	280	457	240	3	30	25
			107	130		36	7.8
0.31	<10	110	125	120	1561	31	10
			128	78		29	9.4
			405	120		31	21
			88	35		16	6.8
			83.3	74		32	9.5
			80	53		31	6.8
			133	38		32	10
			165	100		35	n.a
			185	150		25	19
			230	150		43	19
			180	140		35	15
			275	55		28	24
			153	120		34	16
			120	120		29	10
			173	61		17	10
			485	78		19	9.1
			80	53		7.5	4.4
			113	56		21	6.3
<0.1	<10	98	135	160	497	46	13
<0.1	<10	130	150	120	157	41	14
<0.1	<10		230	120		38	18
			152	86		40	14
			143	100		34	12
			82	82		43	10

<0.1	<10	130	147	89	2220	34	13
<0.1	<10	61	35	48	193	11	4.1
<0.1	<10	220	160	97	163	36	12
<0.1	<10	200	110	87	390	36	6.7
<0.1	<10	340.0	137.0	220.0	241.0	36.0	12.0
<0.1	<10	240.0	130.0	150.0	1,660.0	23.0	17.0
<0.1	<10	210.0	63.0	160.0	668.0	41.0	9.9
6.8	<10	290.0	107.0	140.0	947.0	37.0	8.0
<0.1	<10	270.0	120.0	130.0	831.0	39.0	10.0
0.89	<10	200.0	87.0	64.0	427.0	35.0	10.0
0.16	<10	260.0	70.0	86.0	161.0	31.0	9.7
0.26	10.0	250.0	90.0	81.0	222.0	28.0	33.0
1.19	12.0	250.0	50.0	68.0	343.0	19.0	5.6
0.7	10.0	70.0	64.0	63.0	342.0	9.1	4.6
0.47	10.0	140.0	58.0	67.0	272.0	21.0	5.7
0.61	<10	39.0	52.0	40.0	5.0	22.0	3.1
0.19	<10	300.0	104.0	68.0	360.0	31.0	9.4
0.59	6.10	194.63	135.45	100.27	531.53	29.99	11.75
1.47	10.10	304.00	248.00	160.00	1716.00	43.00	21.00
			135	33		16	13
			150	73		14	13
			115	79		17	14
			195	130		18	28
			240	55		17	13
			40	40		16	6.9
			160	60		15	11
			80	36		20	8.1
			50	48		21	6.2
			56	42		11	6.8
			92.5	71		16	11
			118	51		18	15
			180	210		28	30
			74.3	40		21	8.9
			103	63		16	8.1
			64	31		9.5	6
			62	32		13	6
			75	56		22	7.7
			2220	140		23	35
			4860	280		28	66
			15600	650		48	260
			368	73		33	24
				300			
			340	86		33	26
			605	130		25	40
			410	27		28	19
			343	48		13	21
			470	53		21	21
			80	46		11	7.5
			70	53		16	10
			30	15		21	5.5

			74	32		24	10
			103	34		23	12
			123	74		25	15
			280	100		28	25
8.77	91	72	122	95	5	21	22
			70	88		27	13
2.27	24	82	155	84	511	27	13
			120	73		30	17
			1100	98		27	17
			108	69		24	9.1
			40	26		26	7.2
			133	50		27	16
			167	54		24	14
			525	82		30	n.a
			1440	110		28	46
			140	61		39	17
			140	110		23	20
			143	36		22	16
			640	110		35	32
			1200	110		26	33
			120	52		17	6.4
			213	86		19	8.2
			64	28		5.7	6.1
			127	34		18	9.2
<0.1	<10	61	375	100	1120	39	21
<0.1	<10	120	105	100	2050	35	17
<0.1	<10		270	140		31	21
			120	46		29	14
			53	41		27	11
			90	41		39	11
<0.1	<10	66	70	52	517	29	8.6
<0.1	<10	46	47	43	575	9.5	6
<0.1	<10	200	1130	83	127	38	46
<0.1	<10	180	130	58	64	32	14
<0.1	<10	450.0	143.0	99.0	1,350.0	29.0	15.0
<0.1	<10	150.0	137.0	55.0	1,480.0	25.0	14.0
<0.1	<10	290.0	203.0	120.0	2,820.0	34.0	19.0
144.0	16.0	180.0	97.0	100.0	2,030.0	23.0	13.0
<0.1	<10	230.0	150.0	87.0	996.0	32.0	12.0
0.22	<10	260.0	113.0	71.0	1,060.0	29.0	14.0
0.21	<10	260.0	90.0	46.0	643.0	27.0	8.9
0.32	<10	220.0	168.0	82.0	2,400.0	20.0	15.0
0.94	<10	210.0	90.0	38.0	1,020.0	14.0	8.8
0.33	<10	70.0	68.0	66.0	1,290.0	13.0	8.5
0.33	10.0	73.0	102.0	69.0	1,180.0	11.0	13.0
0.41	<10	180.0	100.0	33.0	556.0	22.0	9.4
1.58	17.0	220.0	140.0	26.0	1,640.0	19.0	14.0
7.44	6.40	182.42	249.03	70.70	1206.21	25.43	16.00
8.70	16.05	306.00	1158.00	114.00	2442.00	39.00	38.20
			100	64		21	10

			93.3	44		16	10
			85	49		14	9
			300	73		14	26
			66.7	41		17	8.4
			153	71		16	15
			115	60		16	14
			75	51		14	8
			60	26		20	7.5
			22.5	27		21	5.1
			26	21		10	4.2
			113	62		15	11
			86.7	52		24	11
			407	160		34	24
			237	130		23	27
			52.5	28		16	7.1
			58	28		9	5.3
			82	36		13	6.3
			333	57		21	14
			90	32		21	8.5
			1770	80		26	92
			77.5	48		26	12
			835	200		35	73
			204	75		25	26
			140	81		33	15
			545	240		28	54
			85	34		25	13
			88	23		8.9	10
			72.5	24		20	7.3
			98	54		8.9	9.3
			80	48		15	11
			130	69		24	13
			102	65		24	15
			150	64		21	27
			120	70		24	15
			150	85		30	17
7.91	81	68	96.7	57	459	28	16
			66.7	57		23	13
1.44	15	30	45	40	321	24	6.6
			72	35		22	10
			56.7	35		23	7.7
			207	55		18	13
1.33	15	17	60	26	642	23	8.2
			83.3	46		31	10
			93.3	44		24	12
			203	77		23	17
			117	50		28	n.a
<0.1	<10	140	197	94	2107	19	19
			160	56		33	19
			125	70		20	12
			183	43		21	24

			70	44		28	10
<0.1	<10	120	410	72	1514	24	13
			57	34		15	6.7
			88	23		16	6.5
			40	16		5.5	5.2
			103	29		7.6	8.6
<0.1	<10	47	62	69	685	35	12
<0.1	<10	68	55	85	1210	32	15
9.08	110		150	83		25	17
			116	30		20	14
			110	22		20	8.1
			58	20		29	11
<0.1	<10	69	63	51	691	26	9.7
<0.1	<10	52	72	55	1350	9	10
<0.1	<10	86	90	29	703	29	11
<0.1	<10	97	93	45	732	26	12
<0.1	<10	87	100	31	706	21	10
<0.1	<10	240.0	115.0	35.0	829	37.0	13.0
<0.1	<10	110.0	78.0	68.0	1240	12.0	11.0
<0.1	<10	310.0	160.0	110.0	2,710.0	28.0	19.0
<0.1	<10	110.0	120.0	49.0	1,960.0	25.0	15.0
<0.1	<10	170.0	117.0	69.0	1,650.0	28.0	15.0
148.0	18.0	130.0	80.0	76.0	290.0	21.0	11.0
<0.1	<10	100.0	60.0	56.0	752.0	24.0	16.0
0.2	<10	210.0	97.0	53.0	760.0	26.0	11.0
0.13	<10	100.0	65.0	30.0	913.0	23.0	8.2
0.13	<10	250.0	133.0	80.0	1,060.0	25.0	9.3
0.55	<10	190.0	63.0	31.0	838.0	13.0	7.4
0.47	<10	170.0	160.0	170.0	749.0	17.0	19.0
0.31	10.0	140.0	82.0	51.0	848.0	15.0	8.0
0.51	<10	170.0	100.0	31.0	1,260.0	20.0	10.0
0.16	<10	300.0	136.0	48.0	1,340.0	23.0	14.0
6.41	9.92	144.42	110.22	54.39	1120.71	22.17	12.24
0.05	5.00	125.00	98.50	50.00	880.50	23.00	11.00
0.05	5.00	135.00	117.00	53.00	1235.00	25.00	14.00
0.13	5.00	100.00	72.00	44.00	760.00	23.00	10.00
7.37	16.40	292.50	186.50	98.00	2084.95	33.50	19.00
				46%		26%	
<0.1	<10	51	36.7	24	241	3.8	6
1.5	16	91	95	14	826	6.4	10
3.34	39	54	42	52	368	6.8	9.6
0.1	<10	43	52	21	290	5.9	6.9
<0.1	<10	86	83	35	1390	12	12
5.23	57	120	167	28	875	6.7	16
7.87	85	110.0	195	55.0	2080	5.2	16.0
<0.1	<10	78	60	25.0	266	9.5	7.2
1.79	18	45	60	<1	627	6.0	6.2

<0.1	<10	96.0	78.0	38.0	983.0	12.0	9.5
2.59	32	120	160	37.0	812	2.2	18.0
0.11	<10	64.0	58.0	23.0	118.0	2.8	5.5
3.14	31.0	21.0	28.0	13.0	232.0	1.5	2.5
1.99	24	75	86	28.12	701	6.22	9.65
1.50	16	78	60	25.00	627	6.00	9.50
1.50	16	96	95	37.00	983	6.40	12.00
0.11	5	54	52	24.00	266	5.90	6.90
6.29	68	120	178	53.20	1,666	12.00	16.80
0.1	5	42	32	25.0	232.0	24.0	6.6
<0.1	10	620	45	4.4	408	28.0	7.1
1.62	14.0	34.0	2,001.0	16.0	249.0	29.0	4.4
0.71	<10	24.0	23.0	0.5	54.0	24.0	4.7
3.49	34.0	25.0	42.0	5.3	137.0	20.0	4.1
2.07	22.0	40.0	45.0	9.8	144.0	18.0	5.7
1.03	11.0	160.0	287.0	82.0	459.0	35.0	6.0
0.38	<10	59.0	48.0	80.0	25.0	31.0	4.3
0.22	<10	40.0	56.0	20.0	22.0	30.0	6.2
1.07	12.33	116.00	286.56	27.00	192.22	26.56	5.46
0.71	10.00	40.00	45.00	16.00	144.00	28.00	5.70
0.1	<10	51	63	34.0	979.0	15.0	7.9
<0.1	10	120	75	40.0	113	18.0	6.3
0.1	<10	500.0	2.5	110.0	213.0	30.0	37.0
0.19	<10	40.0	38.0	13.0	266.0	22.0	5.4
0.45	<10	50.0	48.0	15.0	188.0	19.0	4.0
0.53	18.0	77.0	37.0	18.0	453.0	16.0	5.2
0.39	<10	110.0	50.0	24.0	62.0	28.0	4.4
0.3	<10	91.0	32.0	31.0	107.0	33.0	4.7
0.47	<10	37.0	52.0	12.0	103.0	30.0	5.6
0.29	7.00	119.56	44.17	33.00	276.00	23.44	8.94
0.30	5.00	77.00	48.00	24.00	188.00	22.00	5.40
			320	100		22	23
			76.7	44		27	7.8
			46	20		23	5.5
4.18	48	45	56	34	77	30	6.9
			200	14		25	6.2
6.11	70	71	80	31	580	24	8.9
1.4	15	28	24	8.6	83	16	3.9
0.74	<10	69	50	30	457	25	11
<0.1	<10	58	88	34	205	21	6.1
10.5	100	42	43	15	451	14	5.7
<0.1	<10	470	1680	81	1820	9.8	17
7.5	80	17	20	58.0	74	16.0	3.4
2.5	27	55	40	22.0	365	9.3	6.8
2.85	30	21	16	4.4	107	20.0	3.7
0.8	<10	21.0	30.0	16.0	143.0	14.0	4.1
1.01	10	38	38	25.0	393.0	14.0	5.9
<0.1	10	60	56	19.0	492	19.0	6.7

0.1	5.0	52.0	25.0	27.0	64.0	26.0	4.8
0.18	<10	33.0	26.0	11.0	237.0	25.0	4.3
0.2	<10	43.0	36.0	15.0	134.0	18.0	3.5
0.48	<10	84.0	37.0	15.0	379.0	16.0	5.0
0.57	<10	110.0	49.0	28.0	63.0	29.0	4.5
0.34	<10	92.0	100.0	25.0	200.0	34.0	7.2
0.47	<10	39.0	60.0	16.0	152.0	29.0	5.8
2.00	22	72	133	28.88	324	21.09	6.99
0.66	5	49	48	23.50	203	21.50	5.85
0.80	10	45	56	27.00	200	24.00	6.70
0.48	5	55	40	15.00	205	20.00	5.00
7.65	81	128	302	77.55	642	29.85	16.10
				-7%		21%	
			51	53		15	6.3
			63	19		15	7.2
			83	39		14	9.4
<0.1	<10	93	2001	700	1030	14	67
			36	8.4		9.7	1.8
			16	4.4		5	3.4
			42	25		9	6.1
			53	12.0		15.0	6.5
<0.1	<10	64	100	34.0	1,260.0	18.0	8.5
			224	30.0		15.0	6.5
			160	45.0		19.0	12.0
			68	12.0		16.0	7.6
			155	1.2		6.2	5.2
<0.1	<10	39	45	26.0	502.0	8.8	5.4
			38	20.0		3.3	3.9
1.58	13.0	14.0	15.0	9.9	209.0	2.6	2.7
<0.1	10.0	17.0	16.0	3.2	111.0	4.2	3.0
			26.0	21.0		6.2	4.9
<0.1	<10	40.0	33.0	20.0	584.0	11.0	5.8
<0.1	<10	36.0	38.0	20.0	514.0	11.0	5.4
			44	26.0		12.0	5.7
			38	35.0		13.0	5.5
			56	32.0		13.0	6.2
			56.0	33.0		11.0	5.2
0.2	<10	120.0	145.0	22.0	492.0	8.4	8.8
0.81	10.0	18.0	24.0	13.0	312.0	4.2	3.0
0.57	<10	12.0	11.0	6.1	112.0	2.0	1.1
0.4	<10	12.0	20.0	6.2	185.0	2.2	4.3
0.53	<10	14.0	22.0	13.0	162.0	2.9	2.6
0.61	<10	30.0	32.0	20.0	423.0	6.9	5.0
0.63	<10	36.0	36.0	20.0	381.0	11.0	4.7
0.40	6.29	38.93	120.87	42.88	448.36	9.83	7.44
1.0795	11.05	102.45	192	49	1110.5	17	10.7
			750	88		15	14

			148	38		16	13
			60	38		15	10
<0.1	<10	78	118	36	196	9.2	7.6
			22	9.2		11	1.8
			16	2.1		5.1	2.1
			55	26		9.2	6.3
			80.0	22.0		14.0	9.0
<0.1	<10	38.0	60.0	38.0	467.0	19.0	6.5
			145.0	38.0		14.0	8.3
			105.0	36.0		16.0	11.0
			80.0	16.0		14.0	9.7
			120.0	13.0		11.0	9.9
<0.1	<10	220.0	360.0	21.0	762.0	10.0	9.3
			36.0	22.0		3.1	3.9
1.26	11.0	16.0	15.0	6.7	192.0	2.5	2.6
<0.1	<10	20.0	18.0	<1	127.0	4.3	3.3
			37.0	24.0		5.7	8.1
<0.1	<10	51.0	53.0	35.0	616.0	8.8	7.4
<0.1	<10	41.0	52.0	28.0	618.0	11.0	6.5
			93	70.0		11.0	7.4
			22	21.0		13.0	4.1
			52	57.0		13.0	7.0
			34.0	38.0		13.0	5.4
0.18	<10	57.0	60.0	21.0	578.0	9.5	7.2
1.1	14.0	41.0	100.0	21.0	97.0	4.6	4.5
1.01	11.0	13.0	18.0	8.6	219.0	1.9	1.1
0.45	<10	11.0	26.0	18.0	30.0	2.4	3.7
0.46	<10	19.0	28.0	22.0	188.0	3.1	2.8
0.57	<10	32.0	40.0	20.0	372.0	6.6	4.8
0.67	<10	96.0	124.0	31.0	951.0	11.0	6.7
0.43	6.50	52.36	94.42	27.91	386.64	9.77	6.61
1.156	12.05	139.4	254	63.5	828.15	16	12
6.37	82	13	20	13	116	8	5.2
5.89	67	21	20	18	457	12	5.1
5.44	63	18	28	1.2	201	4.7	2.4
0.25	<10	37	48	29	590	12	6.2
5.23	58	14	22	7.5	300	3.6	2.9
<0.1	<10	22	30	28	639	15	5.4
2.39	25	39	76	19	990	11	8.1
			67	38		14	8.1
			78	25		15	7.6
			8	6.6		17	2.5
3.89	47	18	27	22	385	8.3	3.7
			5	<1		11	<0.4
			9	4.1		5.1	2.3
			12	17		11	2.3
			40	13.0		15.0	2.5
<0.1	<10	38	40	11.0	240	20.0	4.0
			160	34.0		14.0	9.0
			75	44.0		12.0	12.0

			54	8.1		12.0	6.0
			62	3.4		8.8	7.9
<0.1	<10	34	46	12.0	373	9.6	4.8
			38	20.0		3.3	4.2
2.66	23	11	10	4.9	118	2.4	2.2
<0.1	<10	15	18	<1	235	4.2	3.3
			30	17.0		6.0	9.4
<0.1	<10	48.0	37.0	22.0	490.0	8.4	6.2
<0.1	<10	26.0	35.0	18.0	340.0	11.0	4.6
			56	42.0		9.5	6.6
			60	26.0		13.0	6.7
N.A	N.A	N.A	40	32.0	N.A	15.0	5.7
N.A	N.A	N.A	27.0	15.0	N.A	13.0	3.5
0.53	<10	14.0	26.0	5.0	198.0	10.0	2.3
2.62	32.0	7.5	6.0	2.7	129.0	5.1	2.3
2.17	24.0	7.9	8.0	8.5	115.0	2.2	0.5
0.24	<10	12.0	26.0	9.6	241.0	1.8	3.1
0.46	<10	16.0	24.0	14.0	272.0	3.2	3.0
0.29	10.0	26.0	24.0	17.0	359.0	5.8	4.0
0.4	<10	87.0	80.0	21.0	1,270.0	10.0	7.5
1.86	23.14	24.97	38.74	16.57	383.71	9.55	4.82
0.46	5.00	18.00	30.00	16.00	300.00	10.00	4.40
0.25	5.00	37.00	40.00	22.00	490.00	12.00	6.20
2.40	23.50	14.00	24.00	7.50	218.00	5.10	3.00
5.89	67.00	48.00	78.30	38.60	990.00	15.30	9.06
				61%		3%	
			1800	400		28	34
			590	220		24	34
			135	46		11	18
			307	140		26	21
			93.3	54		14	11
			75	54		14	8.5
			93.3	59		8.6	10
			40	32		14	5.6
			40	39		13	5.3
			80	60		14	5.4
			153	88		13	14
			120	85		19	9.7
			163	140		11	21
			130	76		13	11
			93.3	74		13	12
			110	48		7.2	13
			133	62		14	13
			85.7	50		16	9.6
			103	72		9.6	9.2
			42.7	25		4.9	4.7
			44	26		7.9	4.3
			46	24		9.8	5.5

			98	47		12	12
			60	59		21	6.3
			138	76		12	17
			143	51		16	18
			140	71		15	16
			257	110		10	26
			148	71		13	19
			137	22		12	15
			44	26		0.6	6.2
			80	36		9.3	7
			64	44		12	7.6
			220	100		9.7	21
			102	56		9.9	8.7
			115	33		12	13
			150	75		7.7	16
			277	120		4.8	28
			173	110		7.1	16
			117	65		6.4	12
			74	37		8.4	8.7
			73.3	16		7.7	8.5
			44	28		6.9	3.8
			56	9.8		6.3	4
			66	18		8.2	7.5
			88	31		4.3	9.1
			66.7	23		6.5	4.6
			66.7	20		6.3	6.3
			36	25		7	n.a
			73.3	27		5.2	6.9
			65	34		7.4	8.2
			73.3	53		8.8	5.7
			38	19		9.5	5.2
			54	18		5.5	6.3
			30	29		7	3.5
			30	12		4.6	2.9
			55	16		1.5	3.3
			39	12		6.7	4.5
			50	18		6.7	3.8
			82	24		7.2	8.6
<0.1	<10	110	142	89	802	6.3	8.6
			70	26		7.2	6.5
			130	41		5.9	8.5
			60	47		8.8	5.6
			200	39		5.5	5.6
			31	20		7.7	4.9
<0.1	<10	41	50	28	740	8.4	6.1
			45	20		8.1	4.7
			25	21		5.3	4.4
			65	40		10	6.6
			63	42		9.2	8.3

<0.1	<10	41	85	31	390	16	7.2
<0.1	<10	44	87	20	619	10	5.7

0.05	5.00	59.00	125.39	54.52	637.75	10.08	10.26

75	28	18	6.2
135	41	18	12
180	57	13	17
103	60	13	12
82.5	37	13	8.6
115	45	14	9.4
73.3	47	9.6	9.1
51	31	13	7.2
45	26	13	6
145	85	16	15
95	46	19	11
200	96	14	13
124	53	13	11
143	93	12	15
110	62	12	15
100	39	12	10
82.5	45	14	12
56	33	8.6	6.2
29.3	9.5	5.7	3
28	18	6.8	3.9
42	19	9.7	7.5
80	32	14	8.7
287	66	20	8.2
168	83	13	19
267	50	18	16
94	39	14	12
176	110	13	16
95	49	16	15
130	34	4	18
73	41	2.3	8.9
116	52	7	11
102	60	10	12
68	31	10	9.8
84	46	11	8.6
90	39	12	11
107	48	8.1	8.9
197	87	5.7	17
106	69	7.5	12
123	80	6.3	12
62	29	8.2	8.6
80	23	6.5	9.4
32	24	5.9	3.3
54	16	5.2	4.3
142	42	3.1	13
102	19	4.3	7

			86.7	33		6.8	4
			70	29		6.6	5.2
			42	25		7	n.a
			66.7	24		4.8	5.3
			77.5	35		7	8.7
			60	35		9.4	5.7
			43	17		8.8	5.7
			52	14		6	5.5
			36	21		7.2	4.2
			38	16		4.2	3.4
			170	69		2.4	6.3
			75	11		6.5	4.7
			95	16		6.5	3.1
			61	30		7.7	7.3
<0.1	<10	100	130	74	1500	6.5	9
			134	40		6.9	8.9
			140	51		5.1	8.6
			60	42		7.6	4.9
			45	21		5.7	5.9
			43	26		7.5	6.3
<0.1	<10	37	48	20	1200	7.2	5.7
			65	42		8.6	7.6
			68	20		5.3	4.9
			62	40		9.6	6.4
			77	43		7.4	6.6
<0.1	<10	49	75	20	335	12	5.2
<0.1	<10	39	67	19	325	8.4	6.7
41							

180	35	1	13
100	24	2.9	11
45	11	<0.3	5.2
60	24	<0.3	7
75	25	0.9	8.6
25	10	1.9	3.9
62.5	23	1	5.7
110	17	3.3	7.1
32.5	14	5.4	4.3
28	15	7	3.2
29	24	1.7	4.1
50.7	35	7.7	6.9
43.3	26	3.6	5.6
70	21	4.4	8.4
60	22	3.2	7.1
50	20	1.8	7.1
42	17	3.5	4.9
60	25	4.4	7.8
25	13	7.2	4.5

			23	12		4.1	3.1
			18	17		4.3	2.6
			23	15		7.5	4
			34.7	22		6.5	5.2
			52.5	29		6.2	8
			103	40		3.8	12
			143	30		6.2	14
			106	46		5.5	14
			88	29		7.1	12
			125	50		5.1	18
			115	35		1.8	21
			35	17		4.3	5.7
			44	20		5	5.2
			60	25		5.5	6.5
			40	18		5.8	7.3
			58	24		5.2	6.1
			72	19		7.6	7.8
			66.7	19		3.2	5.5
			127	30		0.9	10
			60	28		1.6	6.6
			86.7	31		2.4	9.6
			78	23		4.2	9.5
			40	17		4.6	5.9
			56	25		2.1	5.4
			42	15		3.6	4.3
			48	12		5	5.3
			46.7	13		4.7	3.5
			26.7	9.2		2.9	3.3
			15	6.5		4.7	n.a
			42	16		4.1	3.7
			60	23		1.2	8.1
			60	15		5.5	3.7
			41	8.8		2.3	3.5
			60	12		3.4	7.1
			8	2.9		4.9	1.6
			11	5.2		2.6	1.4
			26	8.7		3.5	2.1
			24	4.9		4.1	3.5
			15	6.6		4.6	1.8
			31	15		4.6	3.6
1.88	22	19	55	24	345	6.4	2.7
			41	23		6	3.9
			16	9.5		2.1	3.2
			35	38		2.4	4.6
			26	16		3.4	4.4
			35	13		3.7	4.4
<0.1	<10	32	21	11	274	3.3	4.6
			26	22		2.7	3.8
			31	23		1.7	8.2

			22	27		5.3	4.7
			30	82		2.8	3.2
<0.1	<10	9.3	50	5.1	124	9	3
<0.1	<10	16	27	23	91	6.3	3.4

21

175	33	1.2	13				
95	24	2.3	10				
44	12	0.5	4.9				
53.3	22	0.3	6.3				
76.7	32	0.9	9.6				
43.3	12	1.7	4				
80	26	1.1	6.1				
80	17	3.3	6.8				
37.5	16	5.2	4.5				
20	11	6.9	3				
32	24	1.4	4.5				
60	33	5.7	6.7				
45.7	28	3.2	6				
76	22	3.2	9				
63.3	25	2.8	7.9				
50	19	0.7	6.4				
70	25	3.1	6.1				
74	28	4	8.7				
26	11	7	3.4				
22	12	4.2	3.1				
17	14	4.1	2.7				
25	15	7.6	3.6				
39	18	6.3	5.4				
55	34	6.9	7.6				
108	45	3.5	13				
133	12	5.2	14				
108	58	5.4	15				
78	34	7.6	11				
120	57	4.4	17				
114	73	0.35	24				
37	18	4.3	5.3				
34	16	4.7	4.6				
52	24	5.1	5.7				
50	26	5.5	8.8				
83.3	34	4.8	8.5				
68	18	7.4	7.5				
63.3	23	3	6.1				
73.3	23	1.4	7.5				
70	23	1.7	6.3				
0.79	<10	34	86.7	38	1050	2.1	9.1
			96	30		3.7	12
			54	17		4.2	8.4
			58	11		2	5.9

			38	14		3.2	3.3
			98	24		1.5	8.5
			60	10		5.2	4.3
			40	13		4.6	3.2
			36.7	9.2		2.8	2.9
			17	7.8		4.6	n.a
			43.3	16		4.4	4.2
			46.7	37		1.1	7.2
			43.3	13		5.3	3.5
			52	7.5		2	3.6
			68	12		3.2	7
1.3	15	3.5	8	1.5	24	4.4	1.6
			11	7.2		2.4	1.5
			42	16		4.3	2.5
			23	4.6		4.2	3.5
			12	1.2		4.7	1.7
			30	12		5	3
2.62	30	25	42	32	400	6.4	3.4
			38	22		6.3	3.8
			20	9.1		2	2.9
			35	78		2.4	4.4
			18	19		3.2	4.3
10.8	110	32	25	15	137	2.8	5.2
			275	14		3.5	4.6
<0.1	<10	26	17	11	236	2.9	4.9
			9	17		2.6	2.3
			47	18		2.1	8.3
			18	28		5.4	4.7
			40	82		2.5	3.2
<0.1	<10	10	30	5.4	111	2.4	4.9
<0.1	<10	13	40	22	2	6.1	3.4
8.48	93	83	73	28	824	1.5	7.6
3.42	36.0	20	75	12.0	383	1.5	3.9
<0.1	<10	70	53	20.0	207	2.2	3.8
0.86	10	12	16	8.3	160	5.2	2.9
0.46	<10	13.0	14.0	11.0	269.0	6.3	4.0
<0.1	<10	120.0	137.0	90.0	525.0	16.0	15.0
0.45	<10	50.0	38.0	10.0	244.0	6.4	5.3
2.45	26.0	22.0	41.0	11.0	279.0	1.9	4.7
2.22	25.36	35.68	44.86	20.93	271.50	4.02	4.45
0.66	7.50	23.50	38.00	14.00	240.00	3.20	3.90
0.26	5.00	16.50	40.00	14.50	326.00	4.55	3.70
1.08	12.50	29.00	40.50	14.00	221.50	3.20	4.65
9.29	98.95	95.95	99.80	79.60	629.65	6.40	7.88
				62%		60%	
14	160	380	200	110	770	0.5	23
1.75	18	95	137	92	1985	9.9	23

7.74	76	48	40	8.1	239	4.1	5.8
4.22	48	27	40	17	482	6.3	6
<0.1	<10	280	133	98	597	0.9	15
<0.1	<10	100	180	41	102	7.9	8.9
5.01	53	68	180	53	653	4.9	13
<0.1	<10	1101	2001	510	42	8.3	120
8.47	95	200	95	41.0	443	2.2	11.0
3.17	30	660	400	170.0	184	5.1	41.0
0.43	<10	130	147	77.0	933	0.9	14.0
8.22	100	130	115	20.0	637	2.8	12.0
3.43	40.0	300	223.0	85.0	1,320	3.1	21.0
<0.1	10	150	152	56.0	609	8.5	14.0
0.21	<10	420	163.0	33.0	1,120	5.0	18.0
5.94	58.0	240	190.0	35.0	717	0.4	16.0
0.77	10.0	240	165.0	50.0	1,040	2.4	13.0
0.34	<10	730	160.0	95.0	473	6.2	17.0
0.48	<10	68	64.0	38.0	237	6.6	6.9
3.39	38.58	282.47	232.38	80.05	662.26	4.70	19.70
1.75	18.00	200.00	156.00	51.50	609.00	4.90	14.00
3.17	30.00	100.00	152.00	53.00	482.00	6.30	13.00
0.60	7.50	260.00	161.50	63.50	677.00	2.60	15.50
9.02	106.00	767.10	400.00	170.00	1386.50	8.50	41.00
0.1	5	170	133	44.0	1,620.0	21.0	14.0
<0.1	10	230	260	120.0	5,450	17.0	21.0
<0.1	10	150	140	56.0	1,040	18.0	11.0
<0.1	<10	140.0	97.0	58.0	657.0	21.0	12.0
0.16	<10	77.0	60.0	34.0	641.0	17.0	7.8
0.35	<10	47.0	34.0	21.0	187.0	9.2	4.8
0.37	<10	50.0	54.0	41.0	561.0	4.7	4.7
0.26	<10	39.0	44.0	52.0	314.0	8.0	6.0
0.77	<10	37.0	48.0	29.0	536.0	9.7	6.8
0.36	<10	48.0	52.0	31.0	628.0	15.0	7.7
0.15	<10	130.0	104.0	39.0	1,080.0	15.0	12.0
0.24	5.91	101.64	93.27	47.73	1,155.82	14.15	9.80
0.16	5.00	77.00	60.00	41.00	641.00	15.00	7.80
0.1	5	270	292	82.0	4,270.0	22.0	28.0
<0.1	10	66	160	91.0	3,900	18.0	17.0
<0.1	10	160	129	73.0	1,450	19.0	16.0
<0.1	<10	120.0	90.0	46.0	689.0	20.0	12.0
0.12	<10	920.0	1,530.0	210.0	1,130.0	19.0	30.0
0.29	<10	59.0	42.0	22.0	325.0	10.0	5.7
2.98	32.0	45.0	50.0	37.0	862.0	4.0	6.1
0.35	<10	26.0	48.0	33.0	406.0	7.7	6.0
1.0	10.0	49.0	64.0	25.0	546.0	11.0	7.5
0.44	<10	57.0	68.0	45.0	906.0	14.0	10.0
0.4	<10	130.0	120.0	67.0	1,510.0	14.0	15.0
0.53	8.82	172.91	235.73	66.45	1,454.00	14.43	13.94
0.29	5.00	66.00	90.00	46.00	906.00	14.00	12.00

4.45	54	22	36	18	596	8.6	5.9
7.55	91	49	86.7	47	630	19	7.6
0.73	<10	46	15	3.5	159	8.8	6.5
<0.1	<10	71	70	30	412	35	11
2.96	35	49	40	23	212	20	7.1
3.13	28	35	48	40	588	18	7.9
<0.1	<10	38	53	26	318	14	7.1
<0.1	<10	66	85	41.0	356	18.0	10.0
4.03	48	130	215	82.0	3,870	20.0	20.0
6.53	71	43	42	34.0	586	19.0	8.2
0.43	<10	100	93	41.0	1,150	14.0	14.0
5.84	62.0	130	73	48.0	561	18.0	12.0
0.1	5	150	187	56.0	2,640	20.0	21.0
0.72	10	140	150	64.0	3,270	17.0	15.0
0.74	10	67	75	51.0	1,130	21.0	16.0
<0.1	<10	63	67	42.0	349	23.0	8.7
3.34	34.0	61	80	43.0	1,360	16.0	9.6
0.33	<10	44	42	24.0	439	11.0	6.6
2.0	21.0	36	46	33.0	859	4.0	5.6
0.37	<10	25	44	34.0	183	6.6	5.4
0.78	<10	50	72	30.0	766	9.4	7.8
0.31	10.0	56	68	52.0	1,220	13.0	11.0
0.21	<10	80	84	94.0	1,030	14.0	13.0
1.95	23	67	77	41.59	986	15.97	10.30
0.73	10	56	70	41.00	596	17.00	8.70
0.72	10	71	84	51.00	1,030	18.00	12.00
0.76	5	45	45	31.50	513	12.50	7.10
6.46	70	139	183	80.20	3,207	22.80	19.60
				13%		-13%	
0.67	<10	51	63.3	37	370	15	8.4
5.5	64	85	117	44	592	12	12
4.38	51	27	43	17	598	3.1	5.5
2.91	28	59	60	31	185	24	9.2
5.51	70	47	70	23	508	7.7	8.1
<0.1	<10	69	97	26	593	26	11
<0.1	<10	79	72	27	253	12	8.3
<0.1	<10	54	23	30.0	71	18.0	8.4
<0.1	<10	100	115	73.0	4870	4.6	11.0
<0.1	<10	120	90	44.0	488	15.0	9.1
<0.1	<10	82	40	43.0	414	18.0	7.0
<0.1	<10	150.0	92.0	45.0	1,190.0	16.0	9.4
<0.1	<10	200.0	133.0	41.0	616.0	16.0	17.0
0.5	<10	38.0	35.0	12.0	96.0	8.8	4.3
0.92	10.0	38.0	47.0	20.0	664.0	13.0	5.5
6.1	61.0	50.0	68.0	37.0	818.0	14.0	7.2

1.68	21	78	73	34.38	770	13.95	8.84
0.28	5	64	69	34.00	550	14.50	8.40
0.05	5	82	92	41.00	593	16.00	9.40
0.67	5	47	63	23.00	488	12.00	8.10
5.66	66	163	121	52.00	2110	24.50	13.25
0.21	<10	21	16.7	15	354	8.7	2.7
6.98	76	68	110	40	746	14	9.2
4.81	52	31	40	8.4	168	3.6	4.6
<0.1	<10		120	130	35	17	110
<0.1	<10	23	52	46	239	23	27
5.66	69	15	10	<1	65	2.5	3.3
0.7	<10	7.1	7	<1	327	2.8	2.9
6.15	65	28	29	3.8	114	5.1	4
1.23	13	3	8	2.3	54	0.3	1.9
2.89	28	300	150	29.0	1360	<0.30	11.0
0.18	<10	38	30	7.7	211	1.9	7.4
11.0	100	33	27	7.0	170	0.9	5.3
5.35	56.0	9.0	16.0	14.0	42.0	4.3	2.5
2.46	22.0	21.0	22.0	8.8	185.0	0.6	4.2
4.15	45.0	23.0	26.0	5.5	399.0	1.7	4.9
8.64	95.0	110.0	75.0	16.0	69.0	0.8	6.3
3.78	40	49	46	20.91	284	5.47	12.95
3.52	37	23	28	8.60	178	2.65	4.75
1.85	18	21	37	21.50	212	3.55	6.70
5.24	59	30	28	7.35	169	2.20	4.75
9.23	96	167	128	67.00	900	18.50	47.75
			280	89		14	32
			160	110		23	22
			87	35		15	10
			62	23		20	6.3
4.5	42	150	780	23	1020	11	16
<0.1	<10	81	60	53	319	21	7
			70	26		19	6
			54	43		19	5
			66	49		21	4.7
			63	52		29	5.9
			93.0	36.0		28.0	17.0
<0.1	<10	85.0	120.0	35.0	422.0	31.0	10.0
			80.0	81.0		24.0	11.0
			160.0	67.0		24.0	17.0
			130.0	79.0		24.0	14.0
			80.0	18.0		24.0	8.0
<0.1	69.0	110.0	80.0	28.0	62.0	7.9	7.3
<0.1	<10	100.0	64.0	47.0	264.0	25.0	7.6
			56.0	60.0		20.0	6.5

0.94	<10	84.0	50.0	29.0	142.0	20.0	5.3
<0.1	<10	69.0	57.0	19.0	272.0	19.0	6.9
			63.0	55.0		25.0	5.9
<0.1	<10	140.0	70.0	70.0	854.0	25.0	7.7
<0.1	<10	140.0	62.0	40.0	163.0	20.0	6.3
			80	45.0		18.0	7.3
			87	83.0		17.0	13.0
N.A	N.A	N.A	80	89.0	N.A	25.0	6.7
			65.0	65.0		21.0	7.0
0.23	<10	800.0	2,001.0	110.0	78.0	21.0	17.0
0.27	<10	110.0	63.0	23.0	205.0	20.0	5.6
0.24	<10	130.0	80.0	36.0	269.0	17.0	6.0
0.49	<10	300.0	320.0	65.0	98.0	13.0	10.0
0.45	<10	160.0	64.0	35.0	126.0	20.0	5.4
0.32	<10	140.0	72.0	62.0	29.0	22.0	5.1
0.53	<10	130.0	76.0	53.0	276.0	21.0	6.5
0.19	<10	100.0	72.0	28.0	675.0	18.0	7.4
0.50	10.94	166.41	164.08	51.69	310.24	20.61	9.51
0.23	5.00	130.00	74.00	48.00	264.00	20.50	7.15
			75	15		14	8.4
			48	37		19	7.4
			132	60		15	16
			50	12		16	5.1
5.84	54	99	205	20	574	8.1	10
13.8	140	70	113	39	1220	19	8.2
			67	26		14	6.5
			2001	120		15	22
			46	9.3		11	6.1
			80	24		19	10
			45.0	10.0		25.0	8.6
10.3	110.0	60.0	90.0	36.0	566.0	26.0	11.0
			285.0	24.0		17.0	7.6
			108.0	26.0		18.0	8.9
			70.0	39.0		21.0	9.6
			52.0	9.8		20.0	6.1
6.25	<10	43.0	46.0	26.0	3,980.0	6.4	5.9
5.82	63.0	62.0	68.0	20.0	877.0	20.0	7.3
			112.0	44.0		16.0	8.2
7.5	<10	110.0	80.0	38.0	909.0	16.0	8.8
7.51	77.0	68.0	70.0	13.0	1,080.0	12.0	8.8
			63.0	26.0		18.0	9.2
<0.1	<10	67.0	57.0	36.0	614.0	18.0	8.7
3.61	35.0	58.0	52.0	30.0	362.0	17.0	6.7
			73	39.0		18.0	8.4
			74	33.0		15.0	6.7
N.A	N.A	N.A	56	44.0	N.A	N.A	7.9
			65.0	48.0		19.0	16.0
10.6	110.0	73.0	95.0	28.0	1,170.0	15.0	8.6
0.19	<10	180.0	207.0	52.0	2,530.0	17.0	14.0
2.39	26.0	62.0	67.0	41.0	708.0	10.0	6.5

0.36	<10	140.0	95.0	40.0	1,210.0	17.0	9.2
16.3	150.0	47.0	48.0	29.0	576.0	17.0	5.8
19.1	190.0	77.0	76.0	30.0	890.0	18.0	7.2
9.65	97.0	58.0	56.0	27.0	712.0	18.0	3.8
7.45	67.31	79.63	140.77	32.89	1,123.63	16.60	8.83
6.88	58.50	67.50	70.00	30.00	883.50	17.00	8.40
3.53	43	18	48	12	138	9.1	4.5
3.49	39	47	57.5	41	722	18	8.7
2.67	32	57	76.7	5.3	433	5.7	2.6
<0.1	<10		2000	76	218	23	31
15.6	180	38	58	39	1050	11	8.3
2.16	24	44	57	34	564	18	7.4
			570	22		13	21
			1150	90		15	17
			38	4.4		11	5.6
			2000	12		18	31
<0.1	<10	72	110	50	1140	17	13
13.1	140	53	67	25	494	16	5.8
			308	12		9.3	10
			512	24		12	9.6
			82	5.2		13	4.4
			80	5.5		17	7.6
			28	3.8		24.0	4.2
<0.1	<10	100	110	50.0	655	25.0	10.0
			130	36.0		15.0	7.6
			87	58.0		14.0	22.0
			2000	280.0		21.0	64.0
			2000	31.0		21.0	30.0
<0.1	<10	200	1580	26.0	478	18.0	31.0
<0.1	<10	740	1040	34.0	1310	18.0	35.0
			875	100.0		14.0	23.0
<0.1	<10	Not suitable	1930	140.0	2110	18.0	29.0
4.8	51.0	33	33	<1	270	13.0	4.4
			73	28.0		17.0	11.0
<0.1	<10	61.0	47.0	26.0	800.0	16.0	7.2
<0.1	<10	350.0	1,040.0	79.0	3,410.0	17.0	16.0
			40	14.0		17.0	5.7
			38	29.0		14.0	6.9
N.A	N.A	N.A	2000	110.0	N.A	18.0	32.0
			1,550.0	51.0		15.0	31.0
0.4	<10	800.0	2,001.0	40.0	2,550.0	15.0	33.0
0.19	<10	1,001.0	2,001.0	62.0	3,920.0	16.0	27.0
0.46	<10	340.0	990.0	83.0	881.0	10.0	8.1
0.31	<10	67.0	85.0	20.0	663.0	16.0	8.1
0.49	<10	41.0	28.0	15.0	172.0	16.0	4.5
0.84	<10	58.0	56.0	18.0	338.0	17.0	5.8
0.48	<10	46.0	52.0	34.0	146.0	16.0	4.6
2.16	25.76	218.32	674.51	45.34	1063.05	15.95	16.10
0.40	5.00	61.00	110.00	32.50	663.00	16.00	9.80

0.27	5.00	58.00	76.50	34.00	609.50	17.00	8.15
2.98	35.07	266.15	880.67	40.77	1114.93	14.50	17.51
13.10	140.00	820.10	2000.05	111.50	3410.00	23.05	33.10
				12%		23%	
3.95	42	150	200	79	531	24	26
			245	70		28	28
			420	190		25	52
			440	170		22	38
			180	52		19	21
<0.1	<10	130	180	66	1290	13	22
			270	55		2.2	21
			215	64		10	23
			210	54		13	18
			155	4.8		16	22
			127	140.0		27.0	9.6
1.12	12	not suitable	2000	830.0	8,250	23.0	43.0
			230.0	170.0		12.0	36.0
0.19	<10	200.0	120.0	44.0	1,070.0	8.8	16.0
0.68	<10	320.0	130.0	76.0	342.0	6.4	21.0
0.46	<10	100.0	50.0	38.0	374.0	0.6	9.4
1.07	13.0	120.0	48.0	21.0	183.0	0.8	7.8
0.5	<10	94.0	44.0	21.0	76.0	1.1	7.5
3.02	31.0	96.0	64.0	12.0	410.0	0.4	9.0
1.23	13.67	151.25	280.42	113.52	1391.78	13.28	22.65
0.68	5	125	180	64	410	13	21
8.23	88	300	195	68	270	10	24
			435	75		7.9	33
			180	53		9.2	25
			260	96		4.1	32
			165	50		6.7	23
<0.1	<10	170	115	64	1100	5.9	17
			160	49		1.9	17
			145	70		5.1	21
			224	97		12	26
			130	22		5.4	20
			80.0	140.0		29.0	38.0
<0.1	<10		270.0	230.0	3,410.0	24.0	43.0
			225.0	55.0		22.0	26.0
			175.0	84.0		30.0	23.0
<0.1	<10	500	1,070.0	260.0	82.0	21.0	58.0
			260.0	51.0		4.5	30.0
		500	1,860.0	250.0		16.0	120.0
<0.1	<10	260.0	203.0	130.0	990.0	11.0	11.0
			100.0	30.0		15.0	11.0
			100.0	87.0		10.0	9.3
<0.1	<10	490.0	240.0	140.0	2,170.0	14.0	29.0
			2,001	150.0		18.0	54.0
			160.0	61.0		15.0	17.0
<0.1	<10	1,001.0	2,000.0	340.0	4,190.0	25.0	94.0

			2,001	730.0		41.0	140.0
6.82	76	not suitable	460	76.0	203	0.7	52.0
			215.0	51.0		3.5	30.0
0.18	<10	340.0	148.0	55.0	710.0	3.6	29.0
0.17	<10	480.0	132.0	57.0	100.0	9.3	26.0
0.3	<10	650.0	447.0	140.0	2,340.0	12.0	31.0
0.28	<10	240.0	92.0	85.0	462.0	10.0	16.0
0.23	<10	390.0	120.0	120.0	1,060.0	13.0	18.0
0.46	<10	330.0	104.0	66.0	690.0	9.8	16.0
0.26	<10	730.0	248.0	220.0	708.0	23.0	38.0
0.11	<10	570.0	176.0	230.0	202.0	25.0	23.0
1.1	15.3	455.8	432.9	125.1	1232.3	13.2	35.2
0.2	5.0	435.0	199.0	80.0	710.0	10.5	26.0
5.42	61	180	98	41	249	3.7	14
6.23	68	460	230	130	156	0.8	29
6.13	59	320	163	84	203	2	26
6.03	69	290	165	68	175	2.2	21
1.23	14	220	130	61	114	2.8	17
6.78	69	350	195	48	254	2.4	23
9.02	94	330	175	230	238	2.5	25
			175	80		3.4	23
			275	99		2.2	31
			335	150		1	41
			780	580		3.1	120
<0.1	<10	350	205	65	492	1.3	25
			490	140		3.2	46
			175	74		2.5	25
			87	31		4.1	15
			108	26		0.8	16
			82	55		14.0	24.0
<0.1	<10		206	110	520	0.8	23.0
		380	215	50		12.0	27.0
			490	76		10.0	30.0
3.17	30.0	660	400	170	184	5.1	41.0
			720	77		9.6	50.0
		270	165	66		5.5	23.0
0.84	<10	300	163	100	1560	4.3	21.0
			127	71		7.5	17.0
			90	54		7.0	12.0
<0.1	<10	210	113	52	465	6.8	14.0
			600	75		9.9	23.0
			137.0	44.0		11.0	16.0
<0.1	<10	310.0	152.0	57.0	453.0	6.9	19.0
N/A	N/A	N/A	223	67.0	N/A	6.2	26.0
2.45	27	not suitable	493	55.0	4,390	0.4	52.0
N/A	N/A	N/A	430.0	36.0	N/A	2.6	44.0
0.16	<10	300.0	163.0	49.0	833.0	3.5	26.0
0.27	<10	650.0	224.0	42.0	232.0	1.9	36.0
0.65	<10	290.0	123.0	70.0	315.0	4.4	16.0
0.29	<10	300.0	120.0	85.0	341.0	4.1	19.0

0.19	<10	230.0	88.0	70.0	287.0	8.8	11.0
1.75	17.0	240.0	100.0	34.0	963.0	5.7	15.0
0.55	<10	320.0	140.0	65.0	285.0	7.4	19.0
0.47	<10	390.0	152.0	210.0	290.0	11.0	21.0
2.21	24	341	240	92.7	607	5.02	27.70
0.65	5	310	170	69.0	290	4.10	23.00
2.81	29	350	195	68.0	270	5.10	23.00
0.47	5	290	163	68.0	328	3.90	22.00
6.75	69	641	600	210.0	1,530	11.00	50.00
				18%		62%	
0.1	10	140	70		1,010.0		
<0.1	10	680	810	530.0	785	14.0	35.0
0.33	10	140	88	50.0	345	12.0	9.3
0.17	<10	73.0	60.0	53.0	192.0	13.0	14.0
0.26	<10	160.0	120.0	53.0	93.0	14.0	11.0
0.3	<10	37.0	32.0	43.0	18.0	11.0	3.8
0.58	<10	18.0	10.0	7.1	20.0	1.0	1.5
1.12	13.0	86.0	64.0	52.0	193.0	7.8	6.6
0.24	<10	80.0	48.0	38.0	176.0	9.8	5.3
0.63	<10	170.0	112.0	35.0	57.0	14.0	12.0
1.18	14.0	180.0	120.0	79.0	155.0	15.0	11.0
0.45	7.91	160.36	139.45	94.01	276.73	11.16	10.95
0.30	5.00	140.00	70.00	51.00	176.00	12.50	10.15
0.1	10	46	50		502.0		
<0.1	10	83	98	67.0	789	9.6	12.0
1.4	15	96	92	37.0	862	7.6	9.3
6.73	83.0	99.0	50.0	40.0	344.0	10.0	11.0
0.17	<10	68.0	36.0	31.0	547.0	12.0	6.2
0.26	<10	430.0	770.0	74.0	66.0	6.7	12.0
0.89	<10	16.0	38.0	16.0	200.0	1.8	2.4
0.43	<10	60.0	48.0	32.0	461.0	5.8	6.9
0.3	<10	150.0	96.0	64.0	725.0	9.2	11.0
1.06	11.0	63.0	40.0	11.0	146.0	11.0	5.7
1.52	17.0	66.0	44.0	23.0	390.0	13.0	5.4
1.17	15.55	107.00	123.82	39.50	457.45	8.67	8.19
0.43	10.00	68.00	50.00	34.50	461.00	9.40	8.10
2.35	28	230	137	86	399	5	18
4.46	60	110	107	62	384	4.1	15
2.31	26	89	96.7	30	635	8.4	14
0.78	<10	350	2730	58	7	4.8	21
<0.1	<10	120	140	33	822	9.8	17
<0.1	<10	190	143	85.0	379	6.1	16
<0.1	<10	81	50	38.0	438	19	7.7
<0.1	<10	45	28	25.0	271	8.5	5.7
2.64	30	170	105	43.0	275	3.7	11.0
0.25	<10	130	70	56.0	158	4.8	11.0

<0.1	<10	94.0	60.0	40.0	520.0	11.0	8.5
0.1	10	100	153	38.0	523.0	11.0	9.5
7.49	88	120	152	57.0	721	10.0	11.0
2.99	31	88	88	26.0	717	7.6	8.4
1.8	22.0	220.0	157.0	58.0	417.0	9.7	11.0
0.87	<10	68.0	37.0	24.0	261.0	12.0	5.5
2.2	22.0	88.0	70.0	36.0	186.0	6.6	6.9
0.84	<10	12.0	12.0	3.9	37.0	2.0	1.6
0.38	<10	53.0	40.0	26.0	239.0	5.6	5.1
0.41	<10	130.0	28.0	35.0	456.0	9.7	7.4
1.68	17.0	58.0	44.0	9.0	122.0	11.0	5.8
1.39	15.0	98.0	228.0	31.0	477.0	11.0	8.5
1.51	18	120	213	40.90	384	8.25	10.25
0.86	8	99	92	37.00	392	8.45	9.00
1.68	17	98	105	38.00	520	10.00	9.50
0.78	5	110	70	36.00	261	6.10	7.40
4.39	59	230	224	83.85	721	11.95	17.95
				56%		26%	
<0.1	<10	420	1770	150	10	11	53
<0.1	<10	55	92.5	21	625	10	12
4.26	48	41	63.3	14	450	8	8.2
7.5	78	52	92	18	851	4.4	14
5.38	64	130	100	71	549	4.4	12
5.06	61	65	127	26	740	3.1	14
<0.1	<10	160	1960	490	23	11	120
8.3	90	88	155	38.0	173	6.1	14.0
1.86	21	180	155	29.0	657	3.9	18.0
<0.1	5	40	54	13.0	213	6.7	6.7
<0.1	5	43	60	23.0	455	7.2	7.3
2.22	23.0	81.0	92.0	24.0	1,400.0	17.0	14.0
<0.1	10	250	98	75.0	1,570	3.9	14.0
0.5	<10	47.0	44.0	56.0	680.0	5.8	4.6
1.4	17.0	29.0	26.0	19.0	397.0	6.0	3.0
0.95	11.0	120.0	76.0	28.0	717.0	12.0	9.6
2.36	28	113	310	68.44	594	7.53	20.28
1.18	14	73	92	27.00	587	6.40	13.00
2.04	22	85	95	27.00	729	5.25	14.00
0.05	5	43	60	23.00	397	6.70	7.30
7.70	81	293	1818	235.00	1,443	13.25	69.75
<0.1	<10	460.0	270.0	120.0	1,370.0	8.8	25.0
0.1	10	440	283	40.0	3,910.0	4.2	26.0
<0.1	10	480	280	32.0	1,710	2.5	2.4
0.1	<10	490.0	260.0	43.0	1,780.0	3.9	29.0
0.18	<10	570.0	275.0	34.0	2,770.0	2.4	38.0

0.22	<10	210.0	130.0	32.0	403.0	6.5	11.0
1.59	16.0	210.0	115.0	48.0	740.0	5.1	13.0
3.75	36.0	230.0	284.0	40.0	1,140.0	2.8	16.0
0.63	<10	240.0	142.0	47.0	575.0	6.6	14.0
3.23	31.0	480.0	328.0	82.0	1,240.0	1.3	28.0
3.87	42.0	450.0	220.0	73.0	2,000.0	2.1	24.0
1.25	15.45	387.27	235.18	53.73	1603.45	4.20	20.58
0.22	10.00	450.00	270.00	43.00	1370.00	3.90	24.00
<0.1	<10	1001	1,220.0	180.0	1,940.0	9.3	61.0
0.1	10	1001	2,001	170.0	3,910.0	4.0	140.0
<0.1	10	not suitable	2000	130.0	11,800	3.4	17.0
0.1	<10	801.0	790.0	230.0	3,860.0	4.5	64.0
0.17	<10	800.0	1,400.0	100.0	3,430.0	6.5	60.0
0.17	<10	590.0	807.0	97.0	1,320.0	5.6	25.0
4.82	48.0	250.0	123.0	63.0	897.0	4.4	15.0
1.01	10.0	210.0	120.0	29.0	828.0	3.2	15.0
0.4	<10	420.0	270.0	89.0	1,290.0	5.5	23.0
1.76	19.0	420.0	132.0	72.0	1,090.0	0.5	25.0
2.0	21.0	1,000.0	2,001.0	340.0	5,390.0	1.9	140.0
0.97	13.00	649.30	987.64	136.36	3250.45	4.44	53.18
0.17	10.00	695.00	807.00	100.00	1940.00	4.40	25.00
<0.1	<10	280	180	87	1196	3.1	19
			82	31		6	11
1.42	14	340	230	99	183	3.4	27
7.87	89	260	140	110	172	1.9	18
5.33	60	290	235	110	268	2.2	27
<0.1	<10	180	2000	270	13	9.7	93
<0.1	<10	440	237	80	2300	4.1	31
<0.1	<10	550	920	38	1640	0.9	50
<0.1	<10	170.0	156.0	38	1,280	5.3	15.0
<0.1	<10	300.0	337.0	97.0	1,050.0	4.3	24.0
<0.1	<10	370.0	193.0	54.0	1,350.0	2.1	18.0
<0.1	<10	320.0	150.0	64.0	815.0	4.6	19.0
0.1	10	460	235	22.0	3,210.0	1.1	29.0
<0.1	10	640	365	37.0	2,370	0.4	34.0
0.1	<10	280.0	172.0	25.0	1,050.0	3.7	22.0
0.18	<10	170.0	103.0	21.0	490.0	2.8	16.0
0.17	<10	220.0	110.0	22.0	757.0	3.1	15.0
3.44	34.0	220.0	103.0	59.0	822.0	4.0	13.0
4.7	44.0	180.0	96.0	26.0	869.0	2.1	13.0
1.88	21.0	220.0	124.0	40.0	618.0	1.8	13.0
1.38	14.0	480.0	160.0	41.0	1,250.0	0.4	27.0
1.33	14.0	410.0	180.0	60.0	894.0	1.0	26.0
1.35	17	323	296	65.0	1,076	3.09	25.45
0.10	5	290	176	47.5	894	2.95	20.50
0.08	8	355	187	57.0	1,223	2.65	26.50
0.18	5	220	117	39.0	757	2.95	15.50

5.33	60	550	892	110.0 -21%	2,370	5.97 26%	49.20

Nutrient Parameters			
NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	Total P (mg/L)
<0.1	7.30	0.25	0.26
<0.1	4.15	<0.1	0.1
<0.1	5.15	<0.1	0.3
<0.1	4.65	0.3	0.3
<0.1	16.20	0.2	0.2
0.1	3.7	0.2	0.5
<0.1	10.75	<0.1	0.1
<0.1	4.15	<0.1	0.4
<0.1	6.55	0.3	0.8
<0.1	9.85	0.2	0.8
<0.1	5.25	0.1	0.4
<0.1	3.45	0.3	0.4
0.1	2.6	0.1	0.3
<0.1	4.75	0.4	0.8
0.06	6.32	0.18	0.40
0.05	4.95	0.20	0.35
0.05	4.15	0.20	0.40
0.05	7.30	0.20	0.30
0.10	12.66	0.34	0.80
<0.1	8.25	0.58	1.1
0.29	16.79	0.22	1.6
0.39	6.19	0.41	1.3
0.13	17.43	0.8	2.4
0.14	16.94	1.2	3.3
0.1	11.8	1.0	2.0
<0.1	13.55	1.3	2.4
<0.1	10.95	<0.1	1.2
<0.1	12.45	0.8	2.5
<0.1	54.25	5.1	8.1
<0.1	11.55	0.6	2.4
<0.1	8.55	0.6	1.3
<0.1	15.05	0.4	2.2
<0.1	21.25	1.4	3.5
<0.1	10.65	0.5	1.6
<0.1	5.55	<0.1	2.3
0.10	15.08	0.94	2.45
0.05	12.13	0.60	2.25
0.05	16.87	1.00	2.45
0.05	9.60	0.54	1.45
0.32	29.50	2.33	4.65

<0.1	2.85	<0.1	0.13
<0.1	2.45	<0.1	<0.1
0.44	3.94	0.18	0.77
<0.1	25.35	1.1	4
0.2	8.4	0.1	0.8
<0.1	15.25	0.8	2.4
<0.1	8.55	0.2	1.2
<0.1	33.15	4.9	6.1
<0.1	63.35	0.4	4.5
<0.1	19.25	0.4	2.8
<0.1	24.65	0.3	2.8
<0.1	27.05	2.7	3.7
<0.1	18.05	2.6	3.9
<0.1	20.45	1.1	2.9
<0.1	7.35	0.4	1.0
<0.1	2.35	0.1	0.2
<0.1	3.45	0.1	0.2
<0.1	3.25	0.1	0.1
<0.1	2.45	0.1	0.3
0.14	25.44	1.8	2.1
0.1	30.7	2.8	3.7
<0.1	36.05	3.8	4.7
0.29	20.49	2.7	4.7
0.14	28.04	1.3	4.1
<0.1	10.95	1.1	2.0
0.1	6.0	0.3	0.7
0.1	1.6	<0.1	0.4
0.1	3.0	<0.1	0.1
0.1	2.1	<0.1	0.2
0.1	1.9	0.1	0.2
0.3	5.0	0.1	0.4
0.10	14.93	0.96	1.97
0.05	8.55	0.30	1.20
0.05	13.90	0.25	1.65
0.05	7.35	0.40	1.00
0.10	14.93	0.96	1.97
0.1	33.2	2.7	4.6
<0.1	32.95	2.8	3.6
<0.1	22.35	1.5	2.0
<0.1	14.25	1.2	1.8
<0.1	22.75	2.3	2.9
<0.1	15.55	0.9	1.2
<0.1	9.15	0.6	0.9
0.1	21.9	1.2	1.9
<0.1	10.75	0.8	1.1
0.06	20.16	1.51	2.26
0.05	20.33	1.20	1.95
0.1	149.1	7.4	7.9

<0.1	35.35	2.9	3.5
<0.1	11.35	0.8	1.3
<0.1	5.75	0.4	0.6
0.1	6.0	0.6	1.1
0.1	6.9	0.8	1.0
<0.1	9.75	0.6	1.7
0.1	10.5	0.6	1.5
<0.1	12.35	0.1	2.0
0.07	27.45	1.58	2.29
0.05	10.50	0.60	1.50
0.14	17.94	0.15	3.4
<0.1	48.25	3.3	5.2
0.15	18.75	0.1	2.5
<0.1	17.65	0.6	1.8
0.26	17.56	1.3	2.8
<0.1	16.95	0.3	1.9
0.18	15.78	1.1	2.4
<0.1	8.15	0.3	1.2
<0.1	11.15	1.1	1.1
0.8	8.6	0.9	1.4
0.1	15.4	0.6	2.3
<0.1	43.05	3.6	4.9
<0.1	21.45	1.5	2.8
<0.1	40.05	1.6	2.3
<0.1	12.05	0.9	1.5
0.1	7.3	0.9	1.3
0.1	6.7	0.7	1.2
0.1	11.2	0.6	1.8
0.1	9.9	0.5	1.4
0.1	13	<0.1	1.9
0.13	18.04	1.01	2.26
0.10	15.59	0.80	1.90
0.10	15.78	0.90	2.40
0.05	12.05	0.70	1.80
0.29	43.31	3.32	4.92
	10%		0%

<0.1	40.6	4.6	5
<0.1	26.7	3.3	3.8
<0.1	32.9	2.9	3.9
<0.1	29.6	4.1	4.7
<0.1	33.8	3.4	3.9
<0.1	40.0	4.5	5.1
<0.1	30.7	3.6	4
<0.1	35.3	3.9	3.6
<0.1	37.2	3.8	4.9
<0.1	40.6	3.7	4.9
<0.1	26.6	2.3	3.2
<0.1	32.4	3.3	4.1

<0.1	33.2	3.2	4.3
<0.1	34.4	3.3	4.8
<0.1	32.4	2.9	3.9
<0.1	37.1	3.6	5.2
<0.1	41.2	4.4	5.6
<0.1	37.1	3.2	4.1
<0.1	25.0	2.6	3.4
<0.1	25.1	2.2	3.1
<0.1	30.2	3	4.2
<0.1	43.1	3.5	4
<0.1	36.1	2.9	4.1
<0.1	30.7	3	4.1
<0.1	44.0	4.6	5.7
<0.1	45.7	4.4	5.9
<0.1	45.2	4.2	4.9
<0.1	40.8	4.1	4.8
<0.1	38.8	3.8	4.5
<0.1	39.1	4.4	5.2
<0.1	29.8	2.7	3.6
<0.1	27.3	2.5	3.1
<0.1	25.1	1.8	2.5
<0.1	27.2	2.1	3
<0.1	33.3	2.7	3.5
<0.1	33.2	3	3.7
<0.1	35.5	3.7	4.6
<0.1	41.4	3.6	4.5
<0.1	46.4	4.7	5.7
<0.1	42.5	4.1	5
<0.1	42.7	3.6	4.9
<0.1	39.1	4.4	5.1
<0.1	45.0	3.8	4.3
<0.1	36.0	4.1	4
<0.1	37.8	4	4.5
<0.1	40.1	4.8	5.4
0.13	30.4	4.7	5.5
<0.1	44.7	4.1	5.1
<0.1	44.6	5	5.9
<0.1	27.3	2.4	3.9
<0.1	23.3	2.2	1.2
<0.1	28.7	2.5	3.3
<0.1	19.6	1.6	2.2
<0.1	35.7	2.9	4.2
<0.1	47.1	4.4	5.4
<0.1	46.2	5.1	6.1
<0.1	48.1	5.7	7.1
<0.1	54.5	5.8	7.4
<0.1	52.2	6.1	5.9
<0.1	49.9	5.9	6.8
<0.1	51.3	4.9	5.2
<0.1	48.8	5.8	5.2

<0.1	20.3	3.3	4
0.1	29.7	2.4	5.7
<0.1	39.8	4.9	5.9
<0.1	49.5	5.7	6.1
<0.1	57.0	5.6	7.1
<0.1	39.7	5.7	7.1
<0.1	49.1	5.6	7.2
0.5	110.5	6.8	7.0
<0.1	80.1	5.3	12.3
<0.1	98.1	5.6	27.8
0.2	19.4	2.9	3.7
<0.1	18.9	2.4	2.9
<0.1	23.7	2.7	3.1
<0.1	29.2	2.9	3.8
<0.1	34.7	3.6	4.6
0.1	34.4	3.8	4.5
<0.1	37.0	4.5	5.0
0.07	43.09	4.33	6.01
0.16	87.25	5.98	9.36
<0.1	37.6	4.3	5.2
<0.1	35.4	4.2	5.2
<0.1	39.1	4.1	5.6
<0.1	36.5	4	5.2
<0.1	33.7	3.6	4.2
<0.1	42.1	3.7	5
<0.1	32.1	2.9	4.5
<0.1	34.1	3.2	4.7
<0.1	34.7	3.6	4.5
<0.1	33.2	3.3	4.3
<0.1	24.6	2.1	2.7
<0.1	34.0	4.1	5.2
<0.1	27.6	2.7	3.6
<0.1	30.7	3.1	4.5
<0.1	30.5	2.7	3.6
<0.1	39.1	3.3	5.3
<0.1	41.2	4	5.1
<0.1	13.7	1.5	1.7
<0.1	24.1	2.4	3.7
<0.1	26.5	3	3.9
<0.1	41.1	2.9	3.9
0.12	28.4	3	3.6
<0.1	32.1	3.6	5
<0.1	43.1	4.1	5.8
<0.1	41.1	4.1	6.3
<0.1	39.1	4.1	5.5
<0.1	34.1	4.1	5.3
<0.1	20.7	4.1	4.7
<0.1	38.1	4.2	5.9
<0.1	24.5	2.7	3.4
<0.1	22.1	2.4	3.3

<0.1	21.1	1.7	2.5
<0.1	23.4	2.1	2.9
<0.1	30.7	3	3.7
<0.1	28.9	2.5	3.5
<0.1	41.1	3.8	4.9
<0.1	36.1	3.5	4.6
<0.1	39.1	4.3	5.7
<0.1	31.1	4.2	4.8
<0.1	27.7	3.9	5.2
<0.1	26.8	3.5	4.4
<0.1	33.1	4	4.7
<0.1	31.1	4.1	5
0.29	25.6	3.9	4.3
<0.1	29.1	5	5.5
0.19	29.9	5	5.4
<0.1	35.1	4.3	6.1
<0.1	43.1	5.1	5.3
<0.1	35.1	4.4	5.8
<0.1	28.1	2.8	4.7
<0.1	22.4	1.9	4.1
<0.1	27.7	2.4	3.4
<0.1	19.8	1.6	2.4
<0.1	32.4	3	3.5
<0.1	45.9	4	5.8
<0.1	46.7	4.5	5.7
<0.1	47.1	5.5	7.3
<0.1	53.1	5.3	6.9
<0.1	51.1	5.5	5.6
<0.1	50.1	5.1	7.1
<0.1	52.1	5.3	7
<0.1	44.6	5	6.5
<0.1	21.2	2.8	4
<0.1	22.5	2.5	3.3
<0.1	38.9	4.4	5.5
<0.1	46.1	4.9	6.6
<0.1	54.0	5.6	7.5
<0.1	42.1	3.6	7.1
<0.1	42.1	3.4	6.1
0.5	47.5	4.4	6.5
<0.1	40.1	3.9	5.7
<0.1	39.1	3.8	5.5
<0.1	29.8	3.2	4.1
<0.1	20.8	2.2	3.3
<0.1	22.9	2.3	3.2
<0.1	26.9	2.6	3.6
<0.1	46.1	3.6	6.9
<0.1	39.1	3.3	5.6
<0.1	74.1	4.3	10.7
0.1	38.7	3.9	5.5
0.1	53.4	5.5	7.4

0.22	22.92	5.1	6.3
<0.1	34.05	3.9	5.7
<0.1	31.25	4.4	5.3
0.14	24.44	4.7	5.7
0.19	27.39	4.3	5
0.14	19.94	3.9	4.7
0.14	17.24	3.9	4.4
<0.1	28.05	3.3	4.2
<0.1	20.55	3.3	4
<0.1	18.85	3.2	3.2
<0.1	16.15	1.9	2.4
0.28	18.08	2.8	3.5
<0.1	25.95	2.9	4
0.17	17.27	3.2	3.3
0.17	25.27	3.6	4.3
0.11	26.11	3.6	5
0.13	31.13	3.5	5.3
<0.1	22.05	3.7	5.5
<0.1	22.95	2.3	3.2
<0.1	22.55	2.4	3.3
0.22	20.62	3	3.8
<0.1	39.05	3.1	4.1
<0.1	33.75	1.7	4.1
<0.1	31.35	3.2	4.7
<0.1	33.35	4	5.3
<0.1	30.55	4.2	5.5
0.14	28.14	4.2	5.3
<0.1	23.45	4.7	5.5
<0.1	32.05	3.7	4.6
0.14	24.74	4.2	5
<0.1	19.05	2.9	2.8
<0.1	16.65	2.4	3
<0.1	17.75	1.8	2.5
<0.1	18.15	2	2.6
<0.1	24.95	3.1	3.9
0.17	24.27	2.8	4
0.34	24.74	3.4	4
<0.1	27.05	3.9	4.5
0.22	27.22	4.6	5.6
0.11	19.81	4.7	4.7
<0.1	19.15	4.3	4.9
<0.1	19.75	3.9	5
0.21	17.51	4.1	4.2
<0.1	23.75	4.2	4.7
0.11	39.11	4.5	2.2
<0.1	24.05	5	5.2
0.21	26.11	4.6	5.7
<0.1	25.05	4.9	5.9
0.21	31.21	5.3	6

<0.1	27.35	4.6	5.4
0.18	19.38	0.68	3.5
0.18	13.88	1.5	2.6
<0.1	18.35	2	2.6
<0.1	14.85	1.8	2.3
0.23	22.43	2.2	4.9
<0.1	34.05	4.2	5.4
<0.1	33.05	4.7	5.6
0.15	27.15	4.6	6.6
<0.1	33.05	5.5	7.2
<0.1	28.35	6.5	7.6
0.1	23.1	5.8	5.9
0.2	30.2	6.3	7.6
0.19	21.69	5	6
0.15	13.55	3.2	3.2
0.29	17.39	2.6	3.2
<0.1	25.85	3.9	5.1
0.1	34.7	5.1	6.7
0.1	37.1	2.8	7.6
<0.1	22.75	3.5	4.7
0.16	28.36	3.9	4.3
<0.1	35.05	4.9	6.7
5.14	27.14	4.1	6.9
0.38	22.68	3.5	6.3
0.44	26.44	3.7	5.7
0.63	23.63	5.2	6.5
1.6	19.1	3.9	5.6
<0.1	59.05	4.2	19.0
<0.1	71.05	3.8	8.1
0.1	14.5	2.2	2.8
0.1	14.0	1.7	2.5
0.1	20.5	3.1	4.3
0.3	18.7	3.6	4.3
0.2	21.3	3.4	4.3
0.2	24.2	4.2	4.7
0.32	26.48	3.86	5.61
0.13	24.63	3.90	5.60
0.15	27.05	4.20	5.60
0.10	19.38	3.80	4.70
0.78	40.39	5.88	7.68
	39%		7%
0.1	47.4	4.6	6.2
<0.1	39.05	3.2	5.2
<0.1	47.05	5.2	6.6
<0.1	41.55	5.8	5.9
<0.1	37.25	4.4	5.4
<0.1	35.25	4.6	5.3
<0.1	34.35	2.8	4.4

<0.1	28.85	2.7	3.8
<0.1	24.15	2.5	3.1
<0.1	35.45	3.6	4.6
<0.1	30.75	3.4	4.6
0.05	36.46	3.89	5.01
0.05	35.45	3.60	5.20
0.1	46.5	4.2	6.6
<0.1	39.05	3.7	5.9
0.5	37.5	4.4	5.4
<0.1	44.05	6.0	6.1
<0.1	36.35	4.6	4.9
<0.1	34.95	3.5	5.1
<0.1	29.25	3.0	3.9
<0.1	27.55	3.1	3.9
<0.1	26.45	3.0	3.8
0.1	36.3	4.0	4.9
<0.1	34.75	3.7	5.4
0.10	35.70	3.93	5.08
0.05	36.30	3.70	5.10
<0.1	20.9	3.4	5.8
<0.1	28.6	4.2	5
<0.1	24.1	4.8	6.1
<0.1	26.1	4.5	5.8
<0.1	32.0	5.2	6.2
<0.1	27.3	3.5	6.2
<0.1	35.1	4.2	5.9
<0.1	25.0	1.9	5.1
<0.1	21.5	3.2	3.8
<0.1	28.1	<0.1	3.6
0.1	30.1	0.9	6.1
<0.1	32.1	1.8	4.9
0.5	28.5	4.1	5.8
<0.1	44.1	5.3	7.3
<0.1	29.1	4.7	6.0
<0.1	17.5	3.1	3.9
0.1	18.7	1.6	3.3
<0.1	21.1	2.3	3.6
<0.1	19.6	2.2	3.4
<0.1	26.9	3.5	4.5
<0.1	26.1	3.3	4.8
0.08	26.74	3.23	5.10
0.05	26.85	3.40	5.10
0.05	28.55	3.50	5.00
0.05	22.75	3.30	5.45
0.10	35.05	5.20	6.20
	25%		2%
1.6	11.9	1.4	2.9
<0.1	35.05	<0.1	5.2

1.49	12.79	1.8	2.4
1.82	18.42	2	3.4
0.68	13.48	2	3.3
2.02	15.42	2.1	4.6
3.03	15.43	2.2	3.5
0.71	22.71	3.5	5.0
1.16	15.46	4.0	5.3
<0.1	22.75	2.6	5.0
<0.1	23.25	2.3	5.6
1.8	12	1.6	3.3
0.3	19.8	2.4	4.3
0.1	14.6	0.9	2.9

1.06	18.08	2.06	4.05
0.94	15.45	2.05	3.90
0.71	22.71	2.30	5.00
1.49	13.48	1.80	3.30
2.37	27.38	3.68	5.41

<0.1	106.1	4.5	7.7
<0.1	117.1	2.8	3.7
<0.1	52.1	1.3	6.2
<0.1	52.1	3.4	6.2
<0.1	32.1	1	4.1
<0.1	30.1	1.2	4
<0.1	36.1	3	4.6
<0.1	41.1	2.9	4.8
<0.1	31.1	1.7	3.7
<0.1	36.1	1.9	4.3
<0.1	43.1	2.7	5.4
<0.1	40.1	2.7	4.8
<0.1	46.1	2.2	5.5
<0.1	40.1	0.8	5.3
<0.1	39.1	2.2	4.7
<0.1	55.1	1.8	6.6
<0.1	38.1	1.5	4.5
<0.1	41.1	1.9	5
<0.1	34.1	0.92	4.4
<0.1	37.1	0.13	4.2
<0.1	34.1	1.7	4.2
<0.1	39.1	2.3	4.6
0.2	47.2	3	4.9
<0.1	45.1	2.7	5.4
<0.1	48.1	2.3	5.6
<0.1	45.1	1.6	5.6
<0.1	51.1	3.2	4.8
<0.1	54.1	<0.1	6.4
<0.1	45.1	2.1	4.2
<0.1	37.1	1.6	4.3
<0.1	30.1	0.79	3.1

<0.1	33.1	1.8	3.6
<0.1	29.1	1.5	2.9
<0.1	28.1	1	3.8
<0.1	36.1	<0.1	4
<0.1	35.1	0.74	4
<0.1	40.1	1.6	4.2
<0.1	37.1	0.12	4.3
<0.1	29.1	1.3	1.9
<0.1	25.1	1.4	3.1
<0.1	26.2	1.7	3
<0.1	28.9	2.3	2.8
<0.1	33.2	3	3.8
<0.1	26.5	2.6	2.1
<0.1	38.1	2.6	4.1
<0.1	33.1	2.2	3.6
<0.1	38.1	1.9	4.5
<0.1	37.1	2.3	4.2
<0.1	43.1	2.5	4.5
<0.1	25.7	2.2	3.6
<0.1	29.0	2.5	3.4
<0.1	41.1	2.6	3
<0.1	28.2	2.7	4.3
<0.1	38.1	2.9	4.7
<0.1	48.1	3.2	6.6
<0.1	52.1	4.4	6.1
<0.1	43.1	2.7	5.2
<0.1	34.1	3.5	5.7
<0.1	50.1	3.7	5
<0.1	34.1	2.9	4
<0.1	40.1	2.9	4
<0.1	26.1	2.1	2.7
<0.1	32.1	2.6	4.8
<0.1	66.1	5.9	8.1
<0.1	33.6	3.2	4.5
<0.1	38.1	3.2	4.9
0.1	37.1	2.0	4.5
<0.1	31.6	2.7	4.3
0.5	33.5	2.7	3.6
<0.1	34.1	2.6	4.6
<0.1	30.0	2.8	4.1
<0.1	28.9	2.9	3.8
<0.1	29.9	2.7	3.5
<0.1	27.7	2.9	3.7
<0.1	40.1	3.4	5.6
0.1	36.8	2.9	4.5
0.1	51.2	4.1	6.4
<0.1	44.1	1.4	6.2
<0.1	48.1	<0.1	7.6
<0.1	43.1	1.2	4.6

<0.1	31.1	0.1	4.9
<0.1	30.1	0.36	4
<0.1	28.1	0.53	4.2
<0.1	29.1	2.1	4.5
<0.1	34.1	2	4.6
<0.1	31.1	1.3	3.2
<0.1	25.7	1.5	3.1
<0.1	29.1	1.2	3.8
<0.1	36.1	1.3	4.9
<0.1	43.1	1	5.2
<0.1	37.1	<0.1	4.3
<0.1	36.1	1.6	5
<0.1	31.1	<0.1	4.3
<0.1	32.1	1.3	3.7
<0.1	32.1	1.5	4.5
<0.1	30.1	0.12	3.9
<0.1	32.1	<0.1	4.1
<0.1	27.1	0.95	3.9
<0.1	30.1	1.3	4.3
<0.1	35.1	1.7	3.9
0.11	37.1	0.87	4.5
<0.1	40.1	0.76	4.8
<0.1	41.1	0.2	5.5
<0.1	36.1	<0.1	4.6
<0.1	45.1	<0.1	4.4
<0.1	44.1	1.1	4.2
0.13	34.1	0.66	4.2
<0.1	27.1	<0.1	3
<0.1	29.1	1.5	3.6
<0.1	26.1	1.3	3
<0.1	31.1	1.6	4.3
<0.1	29.1	<0.1	3.5
<0.1	32.1	<0.1	3.6
<0.1	31.1	0.2	3.6
<0.1	34.1	<0.1	4.3
<0.1	30.5	1.9	2.6
<0.1	25.4	0.46	3.2
<0.1	20.8	<0.1	2.2
<0.1	23.1	1.4	2.8
<0.1	34.1	3.1	2.7
<0.1	23.5	2.2	3.3
<0.1	29.1	2	2.8
<0.1	27.1	1.9	3.3
<0.1	31.1	1.9	4.2
0.11	24.5	0.88	3.5
<0.1	26.1	1.9	3.4
<0.1	24.1	1.8	3.9
<0.1	19.8	2	3.3
0.21	21.7	2	2.9
<0.1	32.6	3.1	4.2

<0.1	29.1	3.1	3.6
<0.1	35.1	3	5
<0.1	34.1	2.8	4.7
<0.1	34.1	2.9	4.3
<0.1	26.1	2.8	3.8
<0.1	26.1	2.4	4.1
<0.1	28.1	2.8	4.2
<0.1	28.8	2.9	3.8
<0.1	16.0	1.7	2.6
<0.1	24.7	2.4	4.1
<0.1	32.9	3.1	4.2
<0.1	27.1	2.7	4.4
<0.1	38.1	3	4.9
0.1	30.1	0.1	4.2
<0.1	29.1	1.0	4.6
0.5	28.4	1.5	3.9
<0.1	33.1	1.8	4.9
0.1	30.1	0.5	4.1
<0.1	20.4	2.2	3.7
0.1	20.0	2.3	3.6
0.1	20.3	3.1	4.0
<0.1	8.9	3.7	4.2
0.1	26.9	2.2	4.0
0.2	34.6	3.1	4.9
<0.1	37.05	1.5	6.3
<0.1	43.05	<0.1	6
<0.1	36.05	1.1	5.4
<0.1	32.05	1.8	5.2
<0.1	31.05	0.55	4.8
<0.1	27.05	0.44	4
<0.1	25.05	0.57	4.3
<0.1	30.05	2	4.2
<0.1	27.05	1.3	3.8
<0.1	25.15	1.5	3
<0.1	29.05	1.2	3.9
<0.1	38.05	0.59	4.8
<0.1	31.05	0.72	5.3
<0.1	33.05	<0.1	4.4
<0.1	40.05	1.2	5.1
<0.1	29.05	<0.1	4.2
<0.1	30.05	0.77	3.9
<0.1	35.05	2.1	4.5
<0.1	29.05	0.17	3.9
<0.1	29.05	<0.1	4
<0.1	27.05	1.7	4
<0.1	27.05	0.97	3.7
<0.1	34.05	1.6	4.2
<0.1	37.05	0.89	4.5
<0.1	38.05	0.44	4.5
<0.1	39.05	0.18	5.2

<0.1	34.05	<0.1	4.2
<0.1	40.05	<0.1	5.1
<0.1	36.05	<0.1	4.4
0.13	33.13	0.86	4.4
<0.1	25.05	<0.1	3.2
<0.1	29.05	1.5	3.7
<0.1	24.05	1.2	3
<0.1	31.05	1.9	4.6
<0.1	28.05	0.13	3.8
<0.1	28.05	<0.1	3.6
<0.1	27.05	0.3	3.7
<0.1	28.05	1.6	4.7
<0.1	23.95	1.4	3.7
<0.1	23.25	0.96	3.6
<0.1	21.05	0.77	3
<0.1	26.45	2	3.5
<0.1	26.45	3.4	4.2
<0.1	18.35	2.2	3.3
<0.1	23.75	2.2	2.8
<0.1	22.05	2	3.4
<0.1	25.05	2.4	4.2
<0.1	21.25	1.7	3.5
<0.1	20.65	1.8	3.7
0.17	16.87	2	4.2
0.29	12.79	2.1	4.1
<0.1	20.65	2.4	3.4
0.1	25.6	3.7	4.3
<0.1	19.15	2.9	4
<0.1	56.35	3.3	9.1
<0.1	22.05	3	4.6
0.14	17.14	2.5	3.7
<0.1	14.05	2.8	3.4
<0.1	17.65	2.8	4.4
<0.1	22.15	2.8	3.8
<0.1	23.05	2.9	4.6
0.1	19.3	1.7	1.6
<0.1	21.05	2.4	3.8
<0.1	18.25	2.1	3.3
0.23	20.23	2	3.7
<0.1	30.05	4.1	5.7
<0.1	16.65	2.5	3.7
0.26	22.26	2.2	4.0
<0.1	21.55	2.6	4.3
0.13	21.03	2.6	5.0
0.15	19.25	2.4	4.6
<0.1	17.35	1.6	4.4
0.5	17.8	2.7	4.2
<0.1	15.25	3.0	4.1
<0.1	28.05	2.5	5.2
0.1	22.9	1.5	3.3

0.1	21.4	2.5	4.1
<0.1	24.05	2.8	4.6
<0.1	26.95	3.0	4.6
0.10	21.76	2.51	4.19
0.05	21.04	2.50	4.10
0.05	21.14	2.45	4.10
0.05	21.40	2.40	3.80
0.27	28.75	3.44	5.38
	41%		7%
<0.1	20.85	1.1	3.0
<0.1	17.55	0.7	2.5
<0.1	18.45	1.1	2.3
<0.1	19.85	0.9	2.6
<0.1	16.35	0.5	2.1
<0.1	12.65	0.8	2.1
<0.1	6.25	0.5	0.9
<0.1	5.55	0.3	0.8
<0.1	11.35	0.8	1.4
0.1	20.2	1.1	2.4
<0.1	18.45	1.5	2.6
0.05	15.23	0.85	2.06
0.05	17.55	0.80	2.30
<0.1	39.95	1.1	5.4
<0.1	18.45	1.3	2.9
<0.1	28.05	1.0	3.5
<0.1	26.55	1.1	3.4
0.2	29.2	0.4	3.4
<0.1	9.05	0.6	1.3
<0.1	5.05	0.3	0.9
<0.1	6.25	0.2	0.8
<0.1	13.75	0.2	1.7
0.1	16.5	0.2	2.7
<0.1	12.95	0.4	1.7
0.07	18.70	0.62	2.52
0.05	16.50	0.40	2.70
<0.1	10.65	0.63	2.4
<0.1	23.75	0.4	3.1
<0.1	14.65	0.8	2.6
<0.1	8.25	0.2	1.6
<0.1	23.95	0.9	3.4
<0.1	34.35	1.2	5.3
<0.1	14.25	0.8	2.3
<0.1	16.85	0.9	2.6
<0.1	19.25	1.1	3.4
0.13	16.53	1.3	2.6
<0.1	21.85	0.8	3.1
0.1	55.8	1.5	24.7
0.1	14.8	0.6	2.0

<0.1	8.95	0.6	1.3
<0.1	5.05	0.2	0.8
<0.1	6.15	0.2	1.2
<0.1	7.25	0.2	1.0
<0.1	12.35	0.2	1.5
<0.1	11.45	0.4	1.7

0.06	17.16	0.68	3.51
0.05	14.65	0.63	2.40
0.05	16.85	0.80	2.60
0.05	10.65	0.60	2.00
0.10	36.49	1.32	7.24
	-13%		-70%

<0.1	21.45	3.5	3.8
0.28	30.98	2.6	3.3
0.11	18.51	2	3.7
<0.1	35.05	3.9	5.2
<0.1	17.55	0.8	2.6
<0.1	33.75	3	3.7
<0.1	29.05	3	4.5
<0.1	25.25	2.2	3.4
<0.1	29.05	3.5	4.7
<0.1	23.15	2.7	3.8
<0.1	18.45	2.0	2.7
<0.1	24.15	2.3	3.4
<0.1	23.05	2.6	3.3
<0.1	21.75	1.9	3.4
<0.1	23.85	2.3	3.4

0.07	25.00	2.55	3.66
0.05	23.85	2.60	3.40
0.05	30.02	2.80	3.55
0.05	21.75	2.30	3.40
0.16	34.14	3.62	4.85

<0.1	28.8	2.9	2.9
<0.1	22.2	2	2.6
<0.1	27.1	2.2	3.5
<0.1	47.1	2.2	5.9
<0.1	35.1	2.3	4.4
<0.1	38.1	3	5
<0.1	29.1	2.3	3.8
<0.1	23.1	1.5	2.6
<0.1	26.0	2.3	3.2
<0.1	31.8	3.5	3.8
0.24	19.4	2	2.5
<0.1	31.6	2.9	4.2

<0.1	47.1	3.3	5.2
<0.1	76.1	4	5.1
<0.1	34.8	3.3	3.9
<0.1	24.3	2.1	2.7
<0.1	17.6	1.3	2.2
<0.1	22.0	1.8	2.5
<0.1	37.1	2.7	4.6
<0.1	94.1	2.6	1.2
<0.1	66.1	2.7	7.6
<0.1	39.1	2.9	4.4
<0.1	57.1	4.3	7
<0.1	57.1	3.6	5.6
<0.1	115.1	4.8	1.7
<0.1	70.1	4.1	6.7
<0.1	42.1	3.9	5.1
<0.1	32.1	1.9	3.8
<0.1	31.9	3.4	3.7
<0.1	22.9	2.1	2.5
<0.1	26.2	1.9	2.4
<0.1	39.1	3.1	4.1
<0.1	40.1	3.1	4.2
<0.1	36.1	2.6	4.1
<0.1	84.1	4.2	12
<0.1	48.1	3.6	4.9
<0.1	55.1	3.2	5.8
<0.1	43.9	4.3	4.6
<0.1	41.1	4	4.8
<0.1	38.5	3.7	4.5
<0.1	52.1	4.2	6.3
<0.1	22.9	3.1	3.4
<0.1	41.6	4.2	4.9
<0.1	37.9	4.2	4.6
<0.1	42.1	4.5	5.1
<0.1	35.1	4.4	5.5
0.15	44.2	5.1	5
<0.1	62.1	5.2	7.5
0.12	50.1	4.3	6.6
<0.1	52.1	4	6.7
<0.1	50.1	3.9	6.6
<0.1	39.1	3.3	5.4
<0.1	27.1	3.7	4.7
<0.1	28.2	2	2.7
<0.1	12.0	0.8	1.5
<0.1	27.4	2.2	3.3
<0.1	59.1	4.6	7.1
<0.1	55.1	4.7	7.1
<0.1	56.1	5.8	7.9
<0.1	54.1	5.1	7.6
<0.1	46.1	4.6	6.2
<0.1	53.1	5.7	6.6

<0.1	47.1	5	6
<0.1	15.2	1.6	2.4
<0.1	48.1	4.8	6.3
<0.1	42.8	5.3	6.8
<0.1	48.1	5.3	6.8
<0.1	40.1	5.0	7.1
<0.1	51.0	4.4	6.2
<0.1	45.1	5.6	5.7
<0.1	49.1	5.7	6.3
<0.1	45.1	5.2	6.0
<0.1	40.8	4.1	5.4
0.1	61.1	3.4	3.5
0.1	24.7	2.3	2.9
0.1	13.8	1.4	2.3
0.1	26.8	2.7	3.7
<0.1	25.2	2.2	2.7
0.2	40.6	3.9	5.0
0.07	41.80	4.03	5.38
0.13	59.87	5.70	7.54
<0.1	29.1	1.9	3.3
<0.1	27.1	2.1	4
<0.1	31.1	2.3	3.9
<0.1	46.1	2.8	5.7
<0.1	30.1	2.2	3.1
<0.1	23.0	2.3	3.3
<0.1	26.1	1.9	3
<0.1	28.2	2.7	3.1
<0.1	27.3	3.1	3.5
<0.1	17.9	1.3	2.3
<0.1	27.1	2.4	3.7
<0.1	33.1	2.5	5.2
<0.1	58.1	4.4	5.2
<0.1	30.0	2.9	3.6
<0.1	24.2	1.9	3
<0.1	15.6	1	1.8
<0.1	19.1	1.5	2.3
<0.1	29.8	2.6	3.9
<0.1	58.1	2.6	4.4
<0.1	94.1	3	3.3
<0.1	308.1	4.5	3.3
<0.1	57.1	4.1	6.8
<0.1			
<0.1	59.1	4	2.9
<0.1	65.1	3.2	6.9
<0.1	47.1	4	5.2
<0.1	34.1	1.3	2.5
<0.1	42.1	2.9	4
<0.1	18.6	1.3	2.3
<0.1	26.1	1.9	2.7
<0.1	26.6	2.8	3.1

<0.1	34.1	3.5	4.8
<0.1	35.1	2.7	4
<0.1	40.1	3.1	4.2
<0.1	53.1	3.6	7.1
<0.1	43.1	4.4	6.5
<0.1	40.1	4.3	4.8
<0.1	40.1	3.6	4.7
<0.1	47.1	4.4	5.6
<0.1	44.1	4	5.5
<0.1	33.2	3	3.6
<0.1	33.3	4.2	4.5
<0.1	43.1	5.1	6.4
<0.1	38.1	4.2	5.1
<0.1	30.1	4.4	5.9
0.18	74.2	5.9	15
<0.1	56.1	5.2	7.2
<0.1	43.1	5	6.8
<0.1	38.1	4.8	5.9
0.15	67.2	4.7	9.6
<0.1	59.1	3.7	8
<0.1	23.5	3	4.2
<0.1	27.3	2.2	4.4
<0.1	11.9	0.8	2.2
<0.1	27.3	2.3	3.6
<0.1	60.1	4.8	6.9
<0.1	52.1	5.5	7.7
<0.1	52.1	5.9	7.8
<0.1	43.1	5	7.4
<0.1	38.1	5.2	5.6
<0.1	50.1	5.7	7.4
<0.1	37.7	5	5.2
<0.1	15.6	1.5	2.2
<0.1	84.1	5.2	11.2
<0.1	46.1	5.3	7.2
<0.1	44.1	4.8	6.9
<0.1	39.1	4.5	6.8
<0.1	53.1	4.9	7.5
<0.1	36.1	5.0	5.6
<0.1	44.1	6.1	6.1
<0.1	43.1	5.5	6.1
<0.1	36.0	4.5	5.1
<0.1	35.1	2.8	5.2
<0.1	22.9	1.8	2.8
<0.1	21.6	2.0	2.6
0.1	24.1	2.0	3.5
<0.1	31.5	3.0	4.8
0.2	33.2	2.9	5.3
0.06	41.50	4.14	6.18
0.16	69.96	5.90	10.24
<0.1	31.1	6.7	6.9

<0.1	26.1	2.3	3.2
<0.1	23.1	2.3	3.8
<0.1	40.1	2.2	6.5
<0.1	25.5	2.1	3.3
<0.1	31.1	2.4	4
<0.1	30.1	2.3	3.6
<0.1	22.1	2.1	3.3
<0.1	27.6	2.6	3.5
<0.1	26.2	3.1	3.9
<0.1	14.3	1.2	1.8
<0.1	26.1	2.3	3.9
<0.1	35.1	3	4.6
<0.1	58.1	4.4	6.2
<0.1	50.1	3.3	6.1
<0.1	23.2	2	2.7
<0.1	14.4	1	1.9
<0.1	19.4	1.7	2.4
<0.1	35.1	2.6	4.2
<0.1	29.6	2.4	3.5
<0.1	118.1	3.1	19
<0.1	38.1	3	4.5
<0.1	108.1	6.7	14
<0.1	51.1	3.3	5
<0.1	48.1	4.1	6.1
<0.1	82.1	4.2	11
<0.1	38.1	4.5	5.6
<0.1	19.0	0.92	2.2
<0.1	27.4	2.7	3.5
<0.1	18.3	1.2	2.2
<0.1	26.1	1.7	2.6
<0.1	37.1	3.1	4.2
<0.1	39.1	3.9	5.3
<0.1	48.1	2.8	5.5
<0.1	39.1	3.2	4.9
<0.1	47.1	3.6	5.6
<0.1	44.1	3.8	5.2
<0.1	36.1	4.2	4.5
<0.1	30.7	4.1	4.2
<0.1	32.1	3.9	4.4
<0.1	30.8	3.7	4.2
<0.1	31.1	3.1	3.7
<0.1	31.3	3.7	2.9
<0.1	41.1	4.7	5.3
<0.1	36.1	4.2	3.4
<0.1	40.1	4.1	5.6
<0.1	28.1	4.9	3.9
0.17	38.2	5.2	7.2
<0.1	52.1	5.2	7.4
<0.1	32.1	4.7	6.1
<0.1	45.1	5.9	7.7

<0.1	38.1	4.7	5.1
<0.1	37.1	3.8	6.6
<0.1	21.8	2.4	3.8
<0.1	22.6	2.1	3.5
<0.1	10.8	0.6	1.4
<0.1	16.3	2	2.1
<0.1	47.1	5	6
<0.1	47.1	5.5	7.5
<0.1	42.1	6.3	8.6
<0.1	34.1	5.2	7.8
<0.1	28.2	4.9	6.5
<0.1	40.1	5.7	6.2
<0.1	35.8	5.2	6.3
<0.1	19.1	1.8	3.2
<0.1	40.1	5.3	6.7
<0.1	38.1	5.5	5.5
<0.1	31.1	3.6	5
<0.1	50.1	5.2	7.6
<0.1	23.1	4.5	6.1
<0.1	47.1	4.7	7.8
<0.1	40.1	4.5	7.2
<0.1	43.1	5.0	7.1
<0.1	32.1	4.7	6.1
<0.1	40.1	5.1	6.1
<0.1	37.1	5.5	7.8
<0.1	31.3	4.9	6.0
<0.1	34.4	3.2	4.7
<0.1	20.5	1.7	3.0
<0.1	36.1	3.1	5.2
0.1	23.1	2.2	3.5
<0.1	30.1	3.1	4.7
0.1	37.1	3.3	5.5
0.06	34.47	4.20	5.79
0.05	36.55	4.70	6.10
0.05	40.05	5.00	6.90
0.05	31.25	3.80	4.70
0.10	47.80	5.75	7.80
	18%		-8%
<0.1	9.85	1.5	2.7
<0.1	16.45	1.3	2.9
<0.1	16.45	2.9	4.2
<0.1	12.85	2.1	3.1
<0.1	24.05	3.3	4.8
<0.1	22.75	1.9	3.9
<0.1	21.25	3.1	6.8
<0.1	16.75	1.8	2.6
<0.1	12.25	1.4	2.0

<0.1	21.55	2.4	2.9
<0.1	20.25	2.1	3.7
<0.1	8.35	0.7	1.7
<0.1	4.05	0.2	0.8
0.05	15.91	1.90	3.24
0.05	16.45	1.90	2.90
0.05	21.25	2.40	3.70
0.05	12.85	1.80	2.70
0.05	23.27	3.18	5.60
<0.1	30.65	3.8	5.1
<0.1	35.15	5.1	6.5
<0.1	33.45	1.9	2.6
<0.1	28.75	3.0	3.9
0.1	24.2	3.6	4.0
0.1	23.8	4.4	4.4
<0.1	41.05	4.8	6.3
<0.1	35.35	4.1	4.6
<0.1	36.25	2.6	3.2
0.06	32.07	3.70	4.51
0.05	33.45	3.80	4.40
0.1	23.0	4.0	5.3
<0.1	24.35	4.2	5.0
0.5	67.5	4.2	7.7
<0.1	27.45	3.6	4.4
<0.1	23.05	3.7	4.2
<0.1	21.25	2.7	3.3
<0.1	32.45	3.9	4.6
<0.1	37.75	4.4	5.0
<0.1	35.65	3.7	4.0
0.11	32.49	3.82	4.83
0.05	27.45	3.90	4.60
<0.1	45.05	2.5	6.6
<0.1	34.85	3.5	4.5
<0.1	28.55	3.2	3.9
<0.1	36.95	3.1	4.5
<0.1	31.43	3.2	3.8
0.23	32.95	2.5	4
<0.1	19.95	1.8	3.2
<0.1	36.05	3.7	5.5
<0.1	27.15	2.8	3.9
<0.1	19.75	1.7	2.3
<0.1	26.85	1.9	9.7
<0.1	19.45	3.9	4.3
<0.1	16.15	2.9	3.3
0.1	23.75	3.0	3.6
0.5	18.2	3.3	3.8
0.1	20.4	3.9	4.9
<0.1	25.8	4.0	5.0

<0.1	30.85	4.4	4.6
<0.1	29.35	3.7	5.3
<0.1	21.55	3.7	4.1
<0.1	21.05	2.6	3.0
<0.1	33.5	3.9	4.7
<0.1	41.25	4.3	5.6
<0.1	34.85	3.6	3.7
0.08	28.15	3.21	4.49
0.05	27.85	3.25	4.20
0.05	32.95	3.60	4.50
0.05	26.85	3.00	3.90
0.21	40.61	4.26	6.45
	12%		0%
<0.1	21.35	1.7	2.8
<0.1	22.25	2.3	2.4
<0.1	23.45	1.7	3.2
<0.1	81.05	1.5	8
<0.1	11.55	0.9	1.5
0.17	8.57	0.4	0.9
<0.1	15.15	0.7	1.6
<0.1	21.55	1.5	2.6
<0.1	26.55	1.8	3.1
<0.1	21.55	3.7	7.1
<0.1	31.05	2.3	3.8
<0.1	23.65	1.7	2.6
<0.1	11.45		
<0.1	14.25	1.0	1.7
<0.1	7.25	0.3	0.9
<0.1	5.35	0.2	0.6
0.14	7.34	0.3	0.8
<0.1	11.15	0.6	1.2
<0.1	16.85	1.2	1.9
<0.1	16.45	1.3	1.8
0.1	17.8	1.4	2.3
0.1	18.6	1.8	2.6
<0.1	19.25	1.5	2.4
<0.1	16.25	1.5	2.0
<0.1	17.25	0.9	2.1
<0.1	7.25	0.4	1.5
<0.1	3.15	0.2	0.5
<0.1	6.55	0.2	0.5
<0.1	5.55	0.2	0.6
<0.1	11.95	0.9	1.4
<0.1	15.75	1.1	2.0
0.06	17.33	1.17	2.21
0.12	28.8	2.3	5.615
<0.1	29.05	1	3.5

<0.1	29.05	2.3	3.1
<0.1	25.05	2.3	3.5
<0.1	16.85	0.7	1.9
<0.1	12.85	1.1	1.7
0.12	7.32	0.5	1
<0.1	15.55	0.9	1.6
<0.1	23.05	1.6	3.2
<0.1	25.55	2.0	2.9
<0.1	22.35	1.6	4.7
<0.1	27.05	2.2	3.1
0.13	23.83	1.7	2.8
<0.1	20.95		
<0.1	19.35	1.0	2.7
<0.1	7.05	0.3	1.0
<0.1	5.15	0.3	0.6
<0.1	7.65	0.3	0.9
<0.1	13.85	0.6	1.4
<0.1	16.25	1.1	2.2
<0.1	17.55	1.4	2.1
0.1	18.5	1.5	2.6
0.1	17.2	2.0	2.5
<0.1	20.05	1.8	2.7
<0.1	18.45	2.0	2.3
<0.1	16.75	1.3	2.2
0.1	9.2	0.6	1.5
<0.1	3.05	0.1	0.5
<0.1	6.15	0.4	1.0
<0.1	5.95	0.2	0.7
<0.1	11.45	0.6	1.3
<0.1	17.75	1.2	2.2
0.06	16.45	1.15	2.11
0.11	28.05	2.255	3.5
<0.1	13.25	1.2	1.3
<0.1	17.15	2	2.6
<0.1	7.15	0.53	1.2
<0.1	18.25	2.1	3
<0.1	6.55	0.3	0.9
<0.1	20.45	2.2	3.2
<0.1	19.15	1.5	2.8
<0.1	22.15	2.2	3.8
<0.1	22.65	2.6	2.7
<0.1	19.55	2.5	3.1
<0.1	12.05	1.2	2
<0.1	11.25	1.4	3.9
<0.1	7.45	0.6	1
<0.1	13.35	1.4	1.8
<0.1	17.55	1.7	2.7
<0.1	24.05	3.3	4.0
<0.1	23.05	1.2	5.2
<0.1	24.05	2.4	3.7

<0.1	18.05	2.0	2.5
<0.1	16.75		
<0.1	14.45	1.5	2.1
<0.1	7.55	0.5	1.4
<0.1	4.65	0.4	0.6
<0.1	7.55	0.7	1.3
<0.1	15.45	0.7	1.4
<0.1	14.65	1.6	2.7
<0.1	15.65	1.5	2.0
0.1	16.2	2.1	3.0
0.1	19.8	2.5	3.5
<0.1	20.75	2.4	3.1
<0.1	16.55	2.2	2.5
<0.1	12.35	1.9	2.1
0.1	7.5	0.8	3.3
<0.1	2.75	0.2	0.6
<0.1	4.95	0.1	0.6
0.1	6.3	0.4	1.1
0.1	9.9	0.8	1.6
<0.1	17.55	1.6	2.9

0.06	14.43	1.47	2.36
0.05	15.55	1.50	2.50
0.05	18.25	2.00	2.90
0.05	7.55	0.75	1.35
0.10	23.20	2.52	3.92
	17%		-6%

<0.1	62.05	3.8	3.5
<0.1	58.05	3	8.6
<0.1	29.05	2.8	4.7
<0.1	47.05	1.9	5.4
<0.1	25.05	0.97	3.6
<0.1	22.55	1.7	3
<0.1	18.65	1.6	2.8
<0.1	19.65	1.7	1.7
<0.1	18.35	0.98	1.1
<0.1	19.45	1.6	2.4
<0.1	27.05	<0.1	3.9
<0.1	28.75	2.2	4.5
<0.1	32.05	1.3	4.7
<0.1	24.05	1.1	3.2
<0.1	25.05	1.6	3
<0.1	20.25	1.3	1.9
<0.1	27.05	1.5	2.8
<0.1	25.65	1.6	3
<0.1	18.85	0.81	2.3
<0.1	9.65	0.56	1.4
<0.1	12.25	0.88	1.4
<0.1	15.35	1	2

<0.1	24.05	<0.1	2.6
<0.1	27.35	2.3	3.4
<0.1	29.05	0.53	3.8
<0.1	34.05	<0.1	3.7
<0.1	31.05	1.7	2.9
<0.1	36.05	0.16	4.4
<0.1	32.05	<0.1	3.2
<0.1	27.05	<0.1	3.3
0.16	6.96	0.15	0.72
<0.1	16.35	0.66	2
<0.1	19.65	<0.1	2.3
<0.1	30.75	0.31	3.3
<0.1	18.65	<0.1	2.2
<0.1	25.05	<0.1	2.4
<0.1	23.75	<0.1	2.4
<0.1	32.85	<0.1	3.5
<0.1	23.15	0.3	1.2
<0.1	18.45	0.3	2.4
<0.1	17.15	1.1	1.7
<0.1	16.25	<0.1	1
<0.1	10.75	1	1
<0.1	10.35	0.6	0.5
<0.1	15.75	0.42	1.7
<0.1	13.45	<0.1	1.2
<0.1	11.15	0.68	0.39
<0.1	12.65	<0.1	1.3
<0.1	7.05	0.27	1.1
0.16	12.26	<0.1	1.6
<0.1	15.65	<0.1	<0.1
<0.1	14.55	<0.1	1.7
<0.1	14.75	1.1	1.6
<0.1	11.85	<0.1	2.1
<0.1	10.55	1.8	2
<0.1	7.55	0.6	0.9
0.1	4.9	0.3	1.6
<0.1	11.25	1.7	1.7
<0.1	10.55	1	1
<0.1	15.85	0.7	1.7
<0.1	14.95	0.1	1.5
<0.1	13.75	<0.1	2.3
<0.1	14.45	0.1	2.1
<0.1	14.45	1.1	1
<0.1	11.15	0.7	1.3
0.22	12.82	0.9	1.6
<0.1	14.55	1.4	1.7
<0.1	12.85	0.9	1.5
<0.1	9.75	1	0.8
<0.1	16.65	1.5	2.3
<0.1	17.55	1.2	2.4

<0.1	23.25	1.4	3.2
<0.1	15.75	0.7	2.4

0.06	20.25	0.87	2.37

<0.1		1.3	3.9
<0.1		1.2	5.4
<0.1		3	4.9
<0.1		0.43	3.2
<0.1		2.1	4.4
<0.1		2.6	3.9
<0.1		2	3.2
<0.1		2.1	2.7
<0.1		1.2	2.2
<0.1		1.2	4.6
<0.1		2.5	4.7
<0.1		1.4	3.7
<0.1		1.8	3.8
<0.1		1.8	4.3
<0.1		2.3	2.8
<0.1		1.8	2.3
<0.1		1.9	3.8
<0.1		1	2
<0.1		0.67	1.3
<0.1		0.74	1.3
<0.1		1.2	2
<0.1		0.51	2.8
<0.1		2.3	3.7
<0.1	<0.1		4
<0.1	<0.1		4.6
<0.1		1.3	2.9
<0.1		1.1	4.1
<0.1		0.55	3.9
0.11		0.61	2.9
0.12		0.42	1.2
<0.1		0.59	2.2
<0.1		0.59	2.2
0.26		<0.1	1.8
<0.1		<0.1	2.3
<0.1		<0.1	2.3
<0.1		<0.1	2.2
0.19		0.29	2
0.14		0.87	2
<0.1		0.53	2.4
<0.1		1.1	1.8
<0.1	<0.1		1.4
<0.1		1	0.68
<0.1	<0.1		0.48
<0.1		0.46	1.5
<0.1	<0.1		0.36

<0.1	0.87	1.5
<0.1	<0.1	<0.1
<0.1	0.51	0.46
0.17	<0.1	1.6
<0.1	<0.1	2.2
<0.1	<0.1	2
<0.1	0.65	1.7
	<0.1	1.7
<0.1	0.35	1.7
<0.1	0.6	1.2
0.21	0.3	1
<0.1	1	1.1
<0.1	1	0.8
<0.1	0.6	1.2
<0.1	<0.1	1.9
0.1	<0.1	2.4
<0.1	0.1	1.5
<0.1	1.4	2.7
<0.1	0.9	1.7
<0.1	1	1.9
<0.1	1.3	1.7
<0.1	1.2	1.3
<0.1	1.2	1.8
<0.1	1.6	1.7
<0.1	1.1	2.1
<0.1	0.8	2.6
<0.1	0.1	0.9

1.5	0.71	3.2
1.1	0.57	1.8
<0.1	0.41	1
0.24	0.77	1.8
0.12	0.7	1.5
0.13	0.81	1.2
0.13	0.53	1.1
0.29	0.63	1.4
0.36	0.97	1.5
0.32	1.1	1.9
<0.1	0.94	1.5
0.94	1.6	2.7
0.47	1.4	2.8
0.82	1.3	2.6
0.46	1	2.1
<0.1	0.7	1.4
0.17	0.84	0.73
<0.1	1.2	2.3
<0.1	1.7	2.2

<0.1	0.92	1.3
<0.1	0.59	1
<0.1	1.2	1.8
<0.1	1	1.6
0.2	1.3	2.2
<0.1	1.1	3.1
0.85	0.29	3.4
<0.1	1	3
0.37	1.4	3.5
0.2	0.26	4
0.19	0.12	3.3
<0.1	0.52	0.78
0.16	0.92	1.6
<0.1	0.95	1.5
0.13	0.7	1
0.12	0.21	1.9
<0.1	<0.1	1.9
0.45	0.19	1.2
0.49	0.15	1.6
0.45	0.21	1.3
<0.1	0.54	1.6
<0.1	0.74	1.5
<0.1	0.96	0.93
<0.1	0.46	0.5
<0.1	0.34	1.5
<0.1	<0.1	0.78
<0.1	0.7	1.2
0.39	0.19	0.35
0.15	0.62	0.65
0.81	0.66	1.1
0.2	0.43	0.96
0.25	0.8	1.6
0.15	0.58	0.96
<0.1	0.17	2.1
0.2	0.63	0.83
0.2	0.3	0.6
0.42	0.6	1
<0.1	1.3	1.4
0.19	0.6	0.5
0.19	1.6	1.5
0.12	0.5	0.7
<0.1	0.2	1.6
0.14	1.3	1.4
<0.1	1.7	1.8
<0.1	1	1.6
0.24	0.9	1.5
<0.1	0.8	1.4
<0.1	1.1	1
<0.1	0.8	1.9

0.31	1.2	1.6
0.48	0.2	0.9
<0.1	0.8	1.2
0.22	0.7	1.2

1.5	15.7	0.74	3.3
1	13.3	0.52	1.9
<0.1	5.45	0.41	1
0.24	6.84	0.81	1.8
0.13	10.63	0.71	1.5
0.1	5.8	0.78	1.2
0.1	7.3	0.56	1.2
0.27	10.37	0.61	1.5
0.31	10.01	0.93	1.5
0.34	10.24	1	1.7
<0.1	5.95	0.96	1.5
1.1	13.5	1.3	2.6
0.56	9.76	1.4	2.7
1	13.2	1	2.5
0.45	11.15	0.84	2.1
<0.1	7.15	0.74	1.3
0.17	9.37	0.79	1
<0.1	12.75	1.1	2.3
<0.1	10.45	1.8	2.3
<0.1	7.35	0.91	1.4
<0.1	6.85	0.6	1
<0.1	11.25	1.2	1.8
<0.1	11.75	0.96	1.7
0.15	14.65	0.98	2.3
<0.1	16.55	1	3
0.89	20.09	0.29	3.5
<0.1	20.45	1	2.8
0.3	18.9	1.4	3.4
0.26	21.66	0.27	3.2
0.12	24.47	0.69	4.1
0.16	9.76	0.54	0.98
0.14	9.44	1	1.5
0.11	10.91	1	1.7
0.14	14.44	0.71	1.2
0.12	13.42	0.24	2.2
<0.1	14.95	<0.1	1.6
0.42	9.52	0.17	1.4
0.5	9.4	0.21	1.1
0.35	8.35	0.18	1.3
<0.1	11.25	0.5	1.9
<0.1	15.75	0.42	2
<0.1	12.65	1.1	0.88
<0.1	7.95	0.45	0.89

<0.1	6.55	0.46	0.74
<0.1	10.05	<0.1	1.1
<0.1	9.55	<0.1	0.64
<0.1	7.85	0.7	0.67
0.38	6.08	0.26	0.28
0.16	4.76	0.64	0.13
0.82	9.42	0.78	0.69
0.16	8.46	0.45	1.3
0.12	8.92	0.85	1.7
0.1	5.7	0.6	0.91

	10.2	0.11	2.5
<0.1	6.05	2.9	3.3
0.18	4.08	0.3	0.6
0.18	6.98	0.9	4.1
<0.1	7.75	1.3	1.7
0.19	6.59	0.6	0.2
0.12	8.12	1.3	1.7
0.11	9.91	0.6	0.7
<0.1	10.15	0.2	1.5
0.14	5.04	1.3	1.8
<0.1	6.85	1.2	2
<0.1	7.55	1.1	1.3
0.13	8.13	1.4	1.8
0.26	8.36	0.8	1.3
<0.1	7.85	1.1	1.5
0.3	5.2	0.9	1
<0.1	10.45	1.5	2
0.3	10.4	1.2	1.7
0.42	6.12	0.2	0.8
<0.1	7.35	0.9	1.3
0.24	9.74	0.8	1.2
<0.1	9.15	1.1	1

0.69	6.09	0.6	0.7
0.1	6.1	1.0	1.3
0.14	8.24	1.1	1.5
0.44	10.74	2.1	2.5
<0.1	31.05	2.1	5.0
<0.1	11.75	1.6	2.1
<0.1	6.65	1.1	1.7

0.18	8.64	1.03	1.65
0.12	8.12	1.00	1.50
0.13	8.29	0.79	1.30
0.05	8.04	1.05	1.40
0.55	11.14	2.10	3.62
	57%		30%

<0.1	23.55	0.32	2.2
<0.1	32.95	3.8	5.1

<0.1	9.95	1.4	2.8
<0.1	12.35	1.5	2.2
<0.1	15.95	0.8	1.9
<0.1	16.85	1.2	2.7
<0.1	17.95	0.6	2.9
<0.1	128.35	2.5	18.9
<0.1	13.25	0.8	2.2
<0.1	46.15	0.4	6.9
<0.1	14.95	0.8	2.8
<0.1	14.85	0.2	2.4
<0.1	24.15	0.1	2.8
<0.1	22.55	0.9	2.6
0.3	23.3	0.8	3.1
<0.1	16.45	0.1	1.7
<0.1	15.45	0.4	2.7
<0.1	23.25	<0.1	2.9
<0.1	13.55	1.0	2.3
0.06	24.46	1.01	3.70
0.05	16.65	0.80	2.75
0.05	17.95	0.90	2.70
0.05	16.20	0.60	2.75
0.05	46.15	2.50	6.90
<i>0.1</i>	35.1	2.1	4.2
<0.1	38.05	2.4	4.0
<0.1	29.05	2.4	4.4
<0.1	33.05	2.8	3.8
<0.1	24.85	2.2	3.1
<0.1	14.05	1.0	1.8
<0.1	9.45	0.4	1.4
<0.1	14.05	1.0	1.7
<0.1	16.55	1.0	2.2
0.1	22.8	1.7	2.9
<0.1	27.05	1.8	3.6
0.06	24.00	1.71	3.01
0.05	24.85	1.80	3.10
<i>0.1</i>	50.1	2.8	6.0
<0.1	35.05	2.0	4.8
<0.1	35.05	2.7	4.8
<0.1	32.05	2.9	4.4
<0.1	49.05	3.0	6.7
<0.1	15.75	1.2	2.0
<0.1	10.15	0.4	1.5
<0.1	13.75	0.9	1.6
0.1	18.6	1.1	2.2
0.1	24.1	1.8	3.2
<0.1	29.05	1.9	4.0
0.06	28.43	1.88	3.75
0.05	29.05	1.90	4.00

<0.1	14.55	1.3	0.97
0.14	26.74	3.6	3.9
<0.1	15.35	1.2	2.5
<0.1	46.05	3.8	5.2
<0.1	27.15	3	4.6
<0.1	25.95	2.3	3.5
<0.1	21.15	1.6	2.6
<0.1	28.05	3.9	5.6
<0.1	40.05	4.2	7.0
<0.1	27.25	2.7	3.7
<0.1	28.05	1.8	3.3
<0.1	30.05	2.6	4.6
0.1	41.1	2.4	5.3
<0.1	32.05	2.2	4.6
<0.1	37.05	3.2	5.3
<0.1	31.75	3.5	3.6
0.1	25.7	2.4	3.4
<0.1	17.65	1.5	2.3
<0.1	9.65	0.5	1.3
<0.1	12.05	0.9	1.5
0.1	17.3	1.0	2.2
0.1	24.1	1.8	3.2
<0.1	27.05	1.9	3.6
0.06	26.34	2.32	3.64
0.05	27.05	2.30	3.60
0.05	30.05	2.60	4.60
0.05	19.40	1.55	2.55
0.10	41.00	3.89	5.57
	-10%		-21%
<0.1	23.45	2.7	3.3
0.19	24.19	2.5	4.6
<0.1	8.65	0.5	1.6
<0.1	33.25	4	6.1
<0.1	15.85	1.4	2.7
<0.1	37.05	4	5.5
<0.1	20.35	2.2	3.5
<0.1	26.45	2.1	2.3
<0.1	15.65	2.9	4.4
<0.1	24.15	4.0	4.8
<0.1	25.05	3.0	4.0
<0.1	25.45	3.2	4.7
<0.1	33.05	1.1	4.9
<0.1	13.15	1.4	2.0
<0.1	18.55	2.3	3.3
<0.1	21.25	2.1	3.3

0.06	22.85	2.46	3.81
0.05	23.80	2.40	3.75
0.05	25.45	2.90	4.60
0.05	18.55	2.20	3.30
0.09	34.20	4.00	5.65

<0.1	11.45	2	2.1
0.13	23.33	0.54	5.2
<0.1	8.25	1	2.4
<0.1	127.05	0.8	16.8
<0.1	50.05	3.5	8.3
<0.1	5.85	2.8	2.9
0.19	5.89	3.8	3.8
<0.1	9.15	2.3	3.1
<0.1	2.25	2.5	2.7
<0.1	11.35	0.8	1.0
<0.1	9.35	1.5	2.1
<0.1	6.25	1.2	1.7
0.25	7.05	1.5	1.8
0.5	5.3	1.1	1.2
0.1	6.7	1.9	2.5
<0.1	7.15	1.3	2.5

0.11	18.53	1.78	3.76
0.05	7.70	1.50	2.50
0.09	9.20	1.30	3.25
0.05	7.70	1.70	2.45
0.31	69.30	3.58	10.43

<0.1	46.05	2.1	6.9
<0.1	45.05	3.6	6.6
<0.1	25.1	1.6	3.1
<0.1	26.35	2.7	3.2
0.11	27.11	1.1	3.3
<0.1	28.05	2.4	3
<0.1	25.05	2	3
<0.1	24.05	2.2	3.3
<0.1	25.75	2.7	3.4
<0.1	34.95	3.2	3.9
<0.1	45.05	3.5	4.8
<0.1	41.05	3.3	5.4
<0.1	35.05	2.9	4.6
<0.1	41.05	0.1	6.2
0.1	38.1	3.2	4.5
<0.1	32.05	2.8	3.5
<0.1	15.25	3.0	3.4
<0.1	32.65	3.4	4.3
<0.1	26.55	2.7	4.1

<0.1	25.35	2.6	2.8
<0.1	25.95	2.5	3.4
<0.1	30.95	2.6	3.5
<0.1	32.75	3.2	4.1
<0.1	26.35	2.4	3.0
0.1	25.4	2.4	3.4
0.1	30.1	2.8	4.4
<0.1	31.75	2.8	3.6
<0.1	28.05	2.7	3.2
<0.1	38.05	3.3	5.2
<0.1	25.65	2.3	3.2
<0.1	23.05	2.0	3.0
<0.1	23.05	1.4	3.9
<0.1	25.45	1.8	2.9
<0.1	27.15	2.3	3.4
<0.1	27.55	2.6	3.4
0.1	25.5	2.2	3.2
0.06	30.18	2.51	3.89
0.05	27.35	2.60	3.40
<0.1	22.45	0.2	1.8
<0.1	26.45	2.1	3.4
<0.1	31.1	2.9	4.6
<0.1	21.15	2.2	2.7
0.15	18.25	1.1	2.3
<0.1	27.25	1.8	3.1
<0.1	20.55	1.2	2.4
<0.1	37.05	3.3	3.8
<0.1	17.15	1.3	2.1
<0.1	29.05	2.2	3.5
<0.1	33.65	2.2	2.9
0.11	37.11	2.6	4.3
<0.1	24.65	0.4	8.8
0.12	27.02	2.1	5.2
<0.1	30.65	2.7	3.7
<0.1	26.15	2.8	3.2
<0.1	12.35	2.7	3.2
<0.1	27.35	3.0	3.9
<0.1	24.25	2.7	4.1
<0.1	24.85	2.8	4.0
<0.1	20.85	1.5	2.8
<0.1	27.25	1.6	3.0
<0.1	26.75	2.1	3.3
0.46	24.16	1.7	2.5
0.1	26.5	2.3	3.5
0.1	21.8	1.8	2.4
<0.1	7.95	1.7	2.7
<0.1	35.05	2.8	4.2
<0.1	23.65	2.2	3.2
<0.1	31.05	2.3	4.0
<0.1	16.55	1.5	2.4

<0.1	26.25	1.9	3.2
<0.1	22.85	1.8	2.7
0.1	25.3	2.0	3.0
<0.1	21.85	1.9	2.8
0.07	25.04	2.04	3.39
0.05	25.30	2.10	3.20
<0.1	13.65	1.1	1.3
<0.1	26.75	2.4	3.2
<0.1	8.35	0.53	1.2
0.17	54.17	6.6	8.2
<0.1	19.35	1.5	2.2
<0.1	25.45	0.5	1.7
<0.1	34.05	0.1	3
<0.1	32.05	0.2	5
0.34	16.94	0.3	1
<0.1	49.05	3.6	7.9
<0.1	30.05	2.3	3.7
<0.1	21.85	2.4	2.9
<0.1	19.35	0.6	2.4
<0.1	21.65	1.2	3.2
<0.1	17.45	1.1	1.7
<0.1	24.7	1.7	2.8
<0.1	28.3	2.2	3.1
<0.1	35.1	1.9	3.8
<0.1	22.7	1.8	5.3
<0.1	36.1	2.4	4.3
<0.1	85.1	6.6	11.4
<0.1	51.1	3.7	5.1
<0.1	49.1	1.6	8.3
<0.1	53.1	3.1	7.3
<0.1	37.1	2.4	5.3
<0.1	47.1	2.6	6.2
<0.1	17.5	1.4	2.1
0.1	28.1	1.4	2.9
<0.1	23.3	2.0	3.1
<0.1	33.1	1.8	4.5
0.1	22.8	1.9	2.7
0.1	21.0	2.0	3.4
<0.1	50.1	3.4	6.3
<0.1	46.1	2.0	6.0
<0.1	48.1	2.0	6.3
<0.1	43.1	2.5	8.5
<0.1	18.2	0.9	2.3
<0.1	24.2	2.0	3.2
<0.1	20.6	1.5	2.2
<0.1	22.9	0.6	2.5
<0.1	20.7	1.4	2.2
0.06	32.12	2.00	4.21
0.05	27.43	1.90	3.20

0.05	27.43	1.85	3.15
0.05	32.07	1.97	4.35
0.10	53.11	3.84	8.31
	-6%		-8%
<0.1	50.05	0.1	7.1
<0.1	56.05	0.8	8.8
<0.1	77.05	0.8	5.3
<0.1	60.05	3.5	10.4
0.13	40.13	2	6.9
<0.1	35.05	0.7	5.1
<0.1	23.25	0.2	5.1
<0.1	33.05	0.9	5.1
<0.1	31.05	1.5	5
0.53	38.53	1.7	5.7
0.1	36.7	3.7	5.1
<0.1	66.05	4.1	5.1
<0.1	48.05	4.4	7.2
<0.1	24.85	3.0	4.8
<0.1	27.45	3.5	5.8
<0.1	10.05	2.0	3.1
<0.1	8.65	1.5	2.3
<0.1	8.65	1.3	1.9
<0.1	9.45	0.9	1.9
0.08	36.01	1.93	5.35
0.05	35.05	1.5	5.1
0.34	34.34	0.1	7.7
<0.1	40.95	0.9	8.9
<0.1	34.25	2.4	4.9
<0.1	36.15	4.6	8.7
<0.1	29.75	3.2	7.3
<0.1	22.95	1.7	5
<0.1	18.95	1.2	5.2
<0.1	26.15	1.6	4.7
<0.1	38.05	3.7	7.1
0.2	25.6	1.8	5.3
<0.1	67.05	1.7	2.8
<0.1	67.05	0.2	5.1
<0.1	48.05	<0.1	6.3
<0.1	53.05	0.1	4.4
<0.1	79.05	0.8	10.1
<0.1	34.55	0.1	5.8
<0.1	136.05	4.1	11.0
<0.1	22.05	2.3	5.7
<0.1	26.05	3.4	4.5
<0.1	19.35	2.1	3.2
0.1	43.1	3.1	6.0
<0.1	72.05	3.8	14.1
<0.1	32.05	2.1	5.5
0.13	119.13	2.0	18.2

0.1	181.1	5.5	24.5
<0.1	52.75	0.1	8.4
<0.1	33.55	3.9	9.0
<0.1	32.65	5.2	8.3
<0.1	35.35	0.2	5.8
<0.1	43.05	2.7	6.1
<0.1	26.05	2.4	4.2
0.2	31.2	2.5	4.5
0.1	25.9	2.3	4.4
<0.1	61.05	4.8	8.2
<0.1	48.05	4.1	6.6
0.1	48.5	2.3	7.4
0.1	35.0	2.2	5.9
<0.1	17.75	1.3	4.5
<0.1	29.85	2.4	6.2
0.56	28.56	0.28	2.7
0.11	23.31	2.7	5.9
<0.1	19.85	0.1	5
<0.1	25.45	4	5.9
0.28	27.78	1.8	7.5
<0.1	26.45	4.3	8.6
<0.1	33.25	1.3	7.2
<0.1	42.05	0.2	9.8
<0.1	123.2	3.4	18.1
<0.1	26.35	0.1	5.9
<0.1	49.25	2.5	7.9
<0.1	27.55	0.1	4.4
<0.1	19.15	2.4	4.3
<0.1	16.8	2.1	5.2
0.1	38.1	1.1	1.7
2.01	25.81	1.3	6.0
<0.1	39.05	3.0	6.6
<0.1	40.05	2.5	7.9
<0.1	46.15	0.4	6.9
<0.1	59.65	0.2	9.0
0.11	28.61	0.6	6.8
<0.1	25.35	0.1	5.3
	24.5	0.4	5.7
<0.1	19.05	1.4	4.0
<0.1	20.85	2.3	4.3
0.1	33	3.1	5.9
<0.1	27.05	2.1	5.2
0.45	26.35	1.6	4.9
0.44	32.64	1.6	6.2
0.1	52.5	0.1	9.2
<0.1	46.65	1.7	12.6
<0.1	29.55	7.0	10.9
<0.1	37.95	0.1	7.3
<0.1	20.45	0.5	3.7
<0.1	23.15	0.7	3.6

<0.1	19.85	2.1	2.6
<0.1	20.75	1.5	4.2
<0.1	26.45	1.0	5.3
0.1	32.1	0.1	5.8
0.15	32.86	1.60	6.41
0.05	27.67	1.45	5.90
0.08	29.85	1.80	6.00
0.05	25.85	0.65	5.15
0.46	52.50	4.00	10.90
	9%		-20%

	0.00		
<0.1	49.05	2.2	6.4
<0.1	21.35	1.6	2.6
<0.1	27.05	2.2	3.2
0.1	25.10	1.9	3.2
<0.1	14.85	1.5	2.1
<0.1	2.55	0.2	0.4
<0.1	14.45	1.1	2.1
0.1	15.20	1.2	4.1
0.1	26.10	1.7	3.2
<0.1	26.05	1.9	3.5
0.07	20.16	1.55	3.08
0.05	21.35	1.65	3.20

	0.00		
<0.1	21.65	3.2	5.4
<0.1	16.95	2.0	3.6
0.1	21.10	3.4	3.8
<0.1	18.25	3.0	3.9
<0.1	18.75	1.9	4.3
0.1	4.30	0.1	0.5
<0.1	12.75	1.3	2.1
<0.1	20.25	2.2	3.9
<0.1	16.75	1.0	1.8
<0.1	18.45	2.6	3.7
0.06	15.38	2.07	3.30
0.05	18.25	2.10	3.75

<0.1	23.05	0.9	2.7
<0.1	19.15	0.93	2.4
<0.1	22.45	1.2	2.9
<0.1	25.85	0.67	2.1
<0.1	26.85	1.1	4
<0.1	22.15	1.2	2.9
<0.1	26.75	3.2	4.6
<0.1	14.25	2	2.5
<0.1	14.75	1.5	3.4
<0.1	15.85	1.6	2.8

<0.1	19.55	1.0	2.2
0.1	20.6	2.0	3.9
<0.1	21.05	2.8	5.2
<0.1	16.05	1.7	3.1
<0.1	20.75	3.0	4.5
<0.1	17.55	2.7	3.3
<0.1	13.55	1.7	2.7
0.1	3.7	0.1	0.5
<0.1	10.75	1.1	1.7
<0.1	17.15	2.2	3.5
<0.1	16.85	1.0	1.7
<0.1	19.55	2.3	4.0

0.05	18.55	1.63	3.03
0.05	19.35	1.55	2.90
0.05	20.60	1.50	3.40
0.05	17.15	1.60	2.70
0.10	26.71	2.99	4.60
	8%		2%

<0.1	64.05	3.3	8.5
<0.1	22.05	5.4	5.9
0.17	16.37	2.4	3.7
0.1	18.5	1.9	3.4
<0.1	16.45	2.2	4.4
0.12	17.22	3.1	4.5
<0.1	131.05	2.9	8.7
<0.1	20.15	2.8	4.1
<0.1	21.95	2.4	4.4
<0.1	13.45	2.6	3.3
<0.1	14.55	2.1	2.9
<0.1	31.05	3.9	5.4
<0.1	17.95	3.4	5.0
<0.1	10.45	1.3	2.2
<0.1	9.05	1.0	1.6
<0.1	21.65	2.8	4.1

0.07	27.87	2.72	4.51
0.05	18.23	2.70	4.25
0.05	20.90	2.95	4.45
0.05	14.55	2.20	3.30
0.13	80.80	4.28	8.55

<0.1	33.85	<0.1	6.2
0.1	30.3	0.1	6.1
<0.1	4.95	0.1	5.7
<0.1	32.95	1.3	5.3
<0.1	40.45	1.7	6.0

<0.1	17.55	2.5	4.1
<0.1	18.15	0.1	2.6
0.1	18.9	0.5	2.6
<0.1	20.65	0.4	3.9
0.1	29.4	0.1	4.7
<0.1	26.15	0.1	5.1
0.06	24.85	0.63	4.75
0.05	26.15	0.10	5.10
<0.1	70.35	1.3	9.0
0.1	144.1	2.6	18.3
<0.1	20.45	3.3	19.4
<0.1	68.55	3.0	7.5
<0.1	66.55	3.8	9.7
<0.1	30.65	3.4	6.7
<0.1	19.45	<0.1	3.5
0.1	18.3	0.1	2.1
<0.1	28.55	1.5	6.1
<0.1	25.55	0.1	4.3
0.1	142.0	0.1	13.5
0.06	57.68	1.75	9.10
0.05	30.65	1.50	7.50
<0.1	22.15	0.63	3.3
<0.1	17.05	2.5	3.3
<0.1	30.45	<0.1	4.9
0.3	20.2	1.6	6.2
<0.1	29.25	0.1	3.9
<0.1	102.75	1.6	13.6
<0.1	35.15	0.1	6.2
<0.1	50.95	2.4	8.5
<0.1	20.35	1.7	5.3
<0.1	28.35	0.2	5.3
<0.1	20.15	<0.1	4.4
<0.1	23.65	0.4	5.3
0.1	30.2	0.2	6.1
<0.1	34.45	0.2	6.4
<0.1	25.75	3.1	5.2
<0.1	18.85	3.2	5.3
<0.1	18.15	2.0	3.8
<0.1	17.05	<0.1	3.0
<0.1	15.15	0.3	1.9
<0.1	14.85	0.3	3.3
<0.1	27.45	<0.1	4.8
<0.1	27.05	<0.1	4.7
0.06	28.61	0.94	5.21
0.05	24.70	0.30	5.05
0.05	27.25	0.15	5.05
0.05	18.50	1.60	4.55

0.10

50.16
-15%

3.07

8.40
-10%

















[REDACTED]

[REDACTED]

[REDACTED]









Alias	Asset Description	Collected Date	<i>E. coli</i> (MPN/100mL)
Acacia Larrakia			
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	11/01/2017 8:30	20
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	5/07/2017 9:30	50
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	2/11/2017 14:30	50
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	18/07/2018 7:30	5
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	15/01/2019 12:15	10
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	24/07/2019 08:40:00	20
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	20/11/2019 08:00:00	122
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	09/06/2020 09:30:00	5
SAK030	Wq-Acacia Hillsa Pond 3 Outlet	15/07/2020 09:56:00	50
SAK030	Wq-Acacia Hillsa Pond 3 Outlet	17/11/2020 09:00:00	41
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	16/12/2020 09:00:00	1,211
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	13/01/2021 09:00:00	75
SAK090	Wq-Acacia Hillsa Pond 4 Outlet	05/05/2021 10:15:00	5
SAK030	Wq-Acacia Hillsa Pond 3 Outlet	16/06/2021 09:27:00	256
No. of Samples			14
Mean			137
Median			46
95th Percentile			590
Barunga			
SBR090	Wq-Barunga Pond 5 Outlet	9/03/2016 11:15	520
SBR090	Wq-Barunga Pond 5 Outlet	13/07/2016 10:05	200
SBR090	Wq-Barunga Pond 5 Outlet	11/01/2017 9:35	3,076
SBR090	Wq-Barunga Pond 5 Outlet	11/07/2017 10:25	1,710
SBR090	Wq-Barunga Pond 5 Outlet	16/08/2017 10:00	50
SBR090	Wq-Barunga Pond 5 Outlet	9/01/2018 8:50	7,270
SBR090	Wq-Barunga Pond 5 Outlet	10/07/2018 10:23	50
SBR090	Wq-Barunga Pond 5 Outlet	8/01/2019 9:36	19,863
SBR090	Wq-Barunga Pond 5 Outlet	09/07/2019 09:00:00	50
SBR090	Wq-Barunga Pond 5 Outlet	08/10/2019 07:00:00	50
SBR090	Wq-Barunga Pond 5 Outlet	14/01/2020 10:00:00	100
SBR090	Wq-Barunga Pond 5 Outlet	14/04/2020 10:30:00	20
SBR090	Wq-Barunga Pond 5 Outlet	14/07/2020 08:53:00	50
SBR090	Wq-Barunga Pond 5 Outlet	13/10/2020 09:00:00	10
SBR090	Wq-Barunga Pond 5 Outlet	12/01/2021 09:15:00	10
SBR090	Wq-Barunga Pond 5 Outlet	13/04/2021 09:10:00	41.0
No. of Samples			16
Mean			2,067
Median			50
95th Percentile			10,418
Median Dry Season			50
Median Wet Season			310
Belyuen			
SBL090	Wq-Belyuen Pond 2 Outlet	10/03/2016 10:30	15,650
SBL090	Wq-Belyuen Pond 2 Outlet	6/07/2016 9:00	50
SBL090	Wq-Belyuen Pond 2 Outlet	4/01/2017 8:00	520
SBL090	Wq-Belyuen Pond 2 Outlet	5/07/2017 9:00	155,310

SBL090	Wq-Belyuen Pond 2 Outlet	2/11/2017 9:00	15,650
SBL090	Wq-Belyuen Pond 2 Outlet	3/01/2018 9:30	111,990
SBL090	Wq-Belyuen Pond 2 Outlet	4/07/2018 9:00	7,670
SBL090	Wq-Belyuen Pond 2 Outlet	2/01/2019 9:30	5,730
SBL090	Wq-Belyuen Pond 2 Outlet	24/07/2019 07:00:00	7,170
SBL090	Wq-Belyuen Pond 2 Outlet	07/08/2019 08:30:00	12,810
SBL090	Wq-Belyuen Pond 2 Outlet	04/09/2019 09:40:00	1,580
SBL090	Wq-Belyuen Pond 2 Outlet	05/11/2019 08:17:00	120,330
SBL090	Wq-Belyuen Pond 2 Outlet	04/12/2019 08:45:00	970
SBL090	Wq-Belyuen Pond 2 Outlet	08/01/2020 09:19:00	17,329
SBL090	Wq-Belyuen Pond 2 Outlet	05/02/2020 09:29:00	23,590
SBL090	Wq-Belyuen Pond 2 Outlet	04/03/2020 09:05:00	86
SBL090	Wq-Belyuen Pond 2 Outlet	08/04/2020 09:00:00	1,145
SBL091	Wq-Belyuen Pond 2 Outlet	06/05/2020 09:26:00	50
SBL090	Wq-Belyuen Pond 2 Outlet	03/06/2020 09:45:00	5,200
SBL010	WQ-BELUYEN POND 1 OUTLET	08/07/2020 09:19:00	325,500
SBL010	WQ-BELUYEN POND 1 OUTLET	05/08/2020 09:14:00	8,500
SBL010	WQ-BELUYEN POND 1 OUTLET	02/09/2020 12:08:00	248,900
SBL090	Wq-Belyuen Pond 2 Outlet	08/10/2020 08:22:00	12,997
SBL090	Wq-Belyuen Pond 2 Outlet	04/11/2020 08:26:00	4,800
SBL090	Wq-Belyuen Pond 2 Outlet	02/12/2020 08:42:00	11,530
SBL090	Wq-Belyuen Pond 2 Outlet	06/01/2021 09:15:00	50
SBL090	Wq-Belyuen Pond 2 Outlet	10/02/2021 09:00:00	6,200
SBL090	Wq-Belyuen Pond 2 Outlet	03/03/2021 09:15:00	9,320
SBL090	Wq-Belyuen Pond 2 Outlet	07/04/2021 08:30:00	1,137
SBL090	Wq-Belyuen Pond 2 Outlet	05/05/2021 07:59:00	1,935
SBL090	Wq-Belyuen Pond 2 Outlet	02/06/2021 09:00:00	4,611
No. of Samples			31
Mean			16,114
Median			7,170
95th Percentile			202,105
Median Dry Season			7,420
Median Wet Season			6,200
Beswick			
SBW001	Wq-Beswick Pond 1 Inlet	11/08/2020 08:25:00	<i>2,419,601</i>
SBW001	Wq-Beswick Pond 1 Inlet	28/09/2020 09:30:00	5,000
SBW001	Wq-Beswick Pond 1 Inlet	08/12/2020 08:15:00	<i>2,419,601</i>
SBW001	Wq-Beswick Pond 1 Inlet	12/01/2021 07:55:00	3,255,000
SBW001	Wq-Beswick Pond 1 Inlet	10/02/2021 14:30:00	19,863,000
SBW001	Wq-Beswick Pond 1 Inlet	09/03/2021 09:30:00	<i>2,419,601</i>
SBW001	Wq-Beswick Pond 1 Inlet	13/04/2021 07:50:00	<i>2,419,601</i>
SBW001	Wq-Beswick Pond 1 Inlet	11/05/2021 08:15:20	5,475,000
SBW001	Wq-Beswick Pond 1 Inlet	08/06/2021 08:00:00	5,172,000
Mean			4,827,600
Median			2,419,601
SBW002	Wq-Beswick Pond 2 Inlet	11/08/2020 08:20:00	<i>241,961</i>
SBW002	Wq-Beswick Pond 2 Inlet	28/09/2020 09:35:00	2,419,600.0
SBW002	Wq-Beswick Pond 2 Inlet	08/12/2020 08:20:00	<i>2,419,601</i>
SBW002	Wq-Beswick Pond 2 Inlet	12/01/2021 08:00:00	1,785,000
SBW002	Wq-Beswick Pond 2 Inlet	10/02/2021 14:30:00	5,000

SBW002	Wq-Beswick Pond 2 Inlet	09/03/2021 09:35:00	9,900
SBW002	Wq-Beswick Pond 2 Inlet	13/04/2021 07:55:00	20,460
SBW002	Wq-Beswick Pond 2 Inlet	11/05/2021 08:20:20	18,720
SBW002	Wq-Beswick Pond 2 Inlet	08/06/2021 08:15:00	16,070
Mean			770,701
Median			20,460
SBW090	Wq-Beswick Pond 2 Outlet	11/01/2017 8:55	38,730
SBW090	Wq-Beswick Pond 2 Outlet	11/07/2017 9:50	19,863,000
SBW090	Wq-Beswick Pond 2 Outlet	16/08/2017 13:10	100
SBW090	Wq-Beswick Pond 2 Outlet	9/01/2018 7:40	1,187
SBW090	Wq-Beswick Pond 2 Outlet	10/07/2018 9:05	11,530
SBW090	Wq-Beswick Pond 2 Outlet	8/01/2019 8:36	19,560
SBW090	Wq-Beswick Pond 2 Outlet	09/07/2019 07:30:00	28,510
SBW090	Wq-Beswick Pond 2 Outlet	14/01/2020 08:50:00	4,670
SBW090	Wq-Beswick Pond 2 Outlet	14/04/2020 08:25:00	2,851
SBW090	Wq-Beswick Pond 2 Outlet	14/07/2020 07:17:00	3,090
SBW090	Wq-Beswick Pond 2 Outlet	11/08/2020 08:15:00	141,360
SBW090	Wq-Beswick Pond 2 Outlet	28/09/2020 09:40:00	241,961
SBW090	Wq-Beswick Pond 2 Outlet	18/11/2020 14:00:00	500
SBW090	Wq-Beswick Pond 2 Outlet	08/12/2020 08:30:00	1,000
SBW090	Wq-Beswick Pond 2 Outlet	12/01/2021 08:05:00	5
SBW090	Wq-Beswick Pond 2 Outlet	10/02/2021 14:30:00	31
SBW090	Wq-Beswick Pond 2 Outlet	09/03/2021 09:48:00	14,010
SBW090	Wq-Beswick Pond 2 Outlet	13/04/2021 08:00:00	16,740
SBW090	Wq-Beswick Pond 2 Outlet	11/05/2021 08:25:00	17,930
SBW090	Wq-Beswick Pond 2 Outlet	08/06/2021 08:30:00	14,140
No. of Samples			20
Mean			29,363
Median			11,530
Median Dry Season			14,140
Median Wet Season			2,851
95th Percentile			156,450
Log Reduction			2.2
Galiwinku			
SGA001	Wq-Galiwinku Pond 1 Inlet	17/07/2012 9:30	368,000
SGA001	Wq-Galiwinku Pond 1 Inlet	14/08/2012 9:03	259,000
SGA001	Wq-Galiwinku Pond 1 Inlet	18/09/2012 9:20	759,000
SGA001	Wq-Galiwinku Pond 1 Inlet	16/10/2012 8:30	336,000
SGA001	Wq-Galiwinku Pond 1 Inlet	18/12/2012 8:30	110,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/01/2013 9:10	686,700
SGA001	Wq-Galiwinku Pond 1 Inlet	19/02/2013 9:30	471,000
SGA001	Wq-Galiwinku Pond 1 Inlet	19/03/2013 9:30	464,000
SGA001	Wq-Galiwinku Pond 1 Inlet	16/04/2013 9:00	1,732,900
SGA001	Wq-Galiwinku Pond 1 Inlet	14/05/2013 9:10	686,700
SGA001	Wq-Galiwinku Pond 1 Inlet	18/06/2013 9:50	448,000
SGA001	Wq-Galiwinku Pond 1 Inlet	16/07/2013 8:15	579,400
SGA001	Wq-Galiwinku Pond 1 Inlet	20/08/2013 10:00	959,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/10/2013 8:50	344,800
SGA001	Wq-Galiwinku Pond 1 Inlet	12/11/2013 0:00	410,600
SGA001	Wq-Galiwinku Pond 1 Inlet	18/02/2014 9:00	325,500

SGA001	Wq-Galiwinku Pond 1 Inlet	18/03/2014 8:30	410,600
SGA001	Wq-Galiwinku Pond 1 Inlet	8/04/2014 8:00	2,419,601
SGA001	Wq-Galiwinku Pond 1 Inlet	20/05/2014 0:00	1,989,000
SGA001	Wq-Galiwinku Pond 1 Inlet	17/06/2014 8:15	1,872,000
SGA001	Wq-Galiwinku Pond 1 Inlet	17/07/2014 0:00	2,489,000
SGA001	Wq-Galiwinku Pond 1 Inlet	19/08/2014 9:15	1,553,100
SGA001	Wq-Galiwinku Pond 1 Inlet	16/09/2014 8:20	2,098,000
SGA001	Wq-Galiwinku Pond 1 Inlet	21/10/2014 8:30	1,450,000
SGA001	Wq-Galiwinku Pond 1 Inlet	18/11/2014 0:00	866,400
SGA001	Wq-Galiwinku Pond 1 Inlet	16/12/2014 8:15	309,000
SGA001	Wq-Galiwinku Pond 1 Inlet	27/01/2015 9:00	387,300
SGA001	Wq-Galiwinku Pond 1 Inlet	17/03/2015 7:00	344,800
SGA001	Wq-Galiwinku Pond 1 Inlet	21/04/2015 8:00	461,100
SGA001	Wq-Galiwinku Pond 1 Inlet	19/05/2015 7:15	547,500
SGA001	Wq-Galiwinku Pond 1 Inlet	16/06/2015 8:45	920,800
SGA001	Wq-Galiwinku Pond 1 Inlet	21/07/2015 7:15	2,419,600
SGA001	Wq-Galiwinku Pond 1 Inlet	25/08/2015 7:15	172,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/09/2015 8:30	488,400
SGA001	Wq-Galiwinku Pond 1 Inlet	20/10/2015 7:15	435,200
SGA001	Wq-Galiwinku Pond 1 Inlet	15/12/2015 8:15	613,100
SGA001	Wq-Galiwinku Pond 1 Inlet	27/01/2016 0:00	488,400
SGA001	Wq-Galiwinku Pond 1 Inlet	16/02/2016 8:45	461,100
SGA001	Wq-Galiwinku Pond 1 Inlet	1/03/2016 8:15	436,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/03/2016 10:00	866,400
SGA001	Wq-Galiwinku Pond 1 Inlet	19/04/2016 9:15	1,274,000
SGA001	Wq-Galiwinku Pond 1 Inlet	17/05/2016 8:15	479,000
SGA001	Wq-Galiwinku Pond 1 Inlet	21/06/2016 8:30	683,000
SGA001	Wq-Galiwinku Pond 1 Inlet	19/07/2016 8:30	517,200
SGA001	Wq-Galiwinku Pond 1 Inlet	16/08/2016 8:30	613,100
SGA001	Wq-Galiwinku Pond 1 Inlet	20/09/2016 8:30	23,820
SGA001	Wq-Galiwinku Pond 1 Inlet	18/10/2016 8:40	905,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/11/2016 8:30	866,400
SGA001	Wq-Galiwinku Pond 1 Inlet	17/01/2017 9:30	1,986,300
SGA001	Wq-Galiwinku Pond 1 Inlet	21/02/2017 10:00	1,046,200
SGA001	Wq-Galiwinku Pond 1 Inlet	21/03/2017 10:35	629,000
SGA001	Wq-Galiwinku Pond 1 Inlet	18/04/2017 9:30	697,000
SGA001	Wq-Galiwinku Pond 1 Inlet	16/05/2017 9:00	496,000
SGA001	Wq-Galiwinku Pond 1 Inlet	20/06/2017 8:15	1,153,000
SGA001	Wq-Galiwinku Pond 1 Inlet	18/07/2017 8:00	1,789,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/08/2017 8:00	581,000
SGA001	Wq-Galiwinku Pond 1 Inlet	19/09/2017 8:45	408,000
SGA001	Wq-Galiwinku Pond 1 Inlet	17/10/2017 8:45	388,000
SGA001	Wq-Galiwinku Pond 1 Inlet	21/11/2017 8:30	686,700
SGA001	Wq-Galiwinku Pond 1 Inlet	19/12/2017 7:30	1,046,200
SGA001	Wq-Galiwinku Pond 1 Inlet	16/01/2018 8:00	146,700
SGA001	Wq-Galiwinku Pond 1 Inlet	27/02/2018 8:00	1,565,000
SGA001	Wq-Galiwinku Pond 1 Inlet	20/03/2018 8:00	691,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/05/2018 8:00	256,000
SGA001	Wq-Galiwinku Pond 1 Inlet	19/06/2018 8:00	548,000
SGA001	Wq-Galiwinku Pond 1 Inlet	24/07/2018 8:00	631,000

SGA001	Wq-Galiwinku Pond 1 Inlet	01/09/2020 09:30:00	325,500
SGA001	Wq-Galiwinku Pond 1 Inlet	15/09/2020 09:00:00	396,800
SGA001	Wq-Galiwinku Pond 1 Inlet	20/10/2020 09:00:00	228,200
SGA001	Wq-Galiwinku Pond 1 Inlet	17/11/2020 10:00:00	261,300
SGA001	Wq-Galiwinku Pond 1 Inlet	15/12/2020 09:30:00	379,000
SGA001	Wq-Galiwinku Pond 1 Inlet	20/01/2021 09:00:00	2,920
SGA001	Wq-Galiwinku Pond 1 Inlet	16/02/2021 09:24:00	980,400.0
SGA001	Wq-Galiwinku Pond 1 Inlet	23/02/2021 09:30:00	1,467,000.0
SGA001	Wq-Galiwinku Pond 1 Inlet	02/03/2021 08:30:00	1,046,200
SGA001	Wq-Galiwinku Pond 1 Inlet	09/03/2021 09:00:00	816,400
SGA001	Wq-Galiwinku Pond 1 Inlet	20/04/2021 09:30:00	1,203,300
SGA001	Wq-Galiwinku Pond 1 Inlet	11/05/2021 08:30:00	1,789,000
SGA001	Wq-Galiwinku Pond 1 Inlet	15/06/2021 09:30:00	189,000
Mean			743,184
Median			630,000
95th Percentile			1,789,000
SGA002	Wq-Galiwinku Pond 2 Inlet	17/07/2012 9:10	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	14/08/2012 9:15	648,800
SGA002	Wq-Galiwinku Pond 2 Inlet	18/09/2012 9:30	670,000
SGA002	Wq-Galiwinku Pond 2 Inlet	16/10/2012 8:30	295,000
SGA002	Wq-Galiwinku Pond 2 Inlet	18/12/2012 8:40	26,200
SGA002	Wq-Galiwinku Pond 2 Inlet	15/01/2013 9:15	>241960
SGA002	Wq-Galiwinku Pond 2 Inlet	19/02/2013 9:40	325,500
SGA002	Wq-Galiwinku Pond 2 Inlet	19/03/2013 9:35	435,200
SGA002	Wq-Galiwinku Pond 2 Inlet	16/04/2013 9:10	2,419,600
SGA002	Wq-Galiwinku Pond 2 Inlet	14/05/2013 9:15	201,400
SGA002	Wq-Galiwinku Pond 2 Inlet	18/06/2013 9:55	517,200
SGA002	Wq-Galiwinku Pond 2 Inlet	16/07/2013 8:20	686,700
SGA002	Wq-Galiwinku Pond 2 Inlet	20/08/2013 10:05	980,400
SGA002	Wq-Galiwinku Pond 2 Inlet	15/10/2013 8:50	2,000
SGA002	Wq-Galiwinku Pond 2 Inlet	12/11/2013 0:00	325,500
SGA002	Wq-Galiwinku Pond 2 Inlet	18/02/2014 9:00	54,600
SGA002	Wq-Galiwinku Pond 2 Inlet	18/03/2014 8:35	740
SGA002	Wq-Galiwinku Pond 2 Inlet	8/04/2014 8:15	630
SGA002	Wq-Galiwinku Pond 2 Inlet	20/05/2014 0:00	100
SGA002	Wq-Galiwinku Pond 2 Inlet	17/06/2014 8:15	92,080
SGA002	Wq-Galiwinku Pond 2 Inlet	17/07/2014 0:00	19,863
SGA002	Wq-Galiwinku Pond 2 Inlet	19/08/2014 9:30	26,130
SGA002	Wq-Galiwinku Pond 2 Inlet	16/09/2014 8:30	520
SGA002	Wq-Galiwinku Pond 2 Inlet	21/10/2014 8:30	6,500
SGA002	Wq-Galiwinku Pond 2 Inlet	18/11/2014 0:00	200
SGA002	Wq-Galiwinku Pond 2 Inlet	16/12/2014 8:15	17,329
SGA002	Wq-Galiwinku Pond 2 Inlet	27/01/2015 9:15	18,500
SGA002	Wq-Galiwinku Pond 2 Inlet	17/03/2015 7:30	10
SGA002	Wq-Galiwinku Pond 2 Inlet	21/04/2015 8:10	200
SGA002	Wq-Galiwinku Pond 2 Inlet	19/05/2015 7:45	30,760
SGA002	Wq-Galiwinku Pond 2 Inlet	16/06/2015 8:45	14,390
SGA002	Wq-Galiwinku Pond 2 Inlet	21/07/2015 7:20	72,700
SGA002	Wq-Galiwinku Pond 2 Inlet	25/08/2015 7:25	61,310
SGA002	Wq-Galiwinku Pond 2 Inlet	15/09/2015 8:30	19,560

SGA002	Wq-Galiwinku Pond 2 Inlet	20/10/2015 7:45	24,810
SGA002	Wq-Galiwinku Pond 2 Inlet	15/12/2015 8:45	2,790
SGA002	Wq-Galiwinku Pond 2 Inlet	27/01/2016 0:00	5,040
SGA002	Wq-Galiwinku Pond 2 Inlet	16/02/2016 8:50	11,199
SGA002	Wq-Galiwinku Pond 2 Inlet	1/03/2016 8:15	4,884
SGA002	Wq-Galiwinku Pond 2 Inlet	15/03/2016 10:09	57,940
SGA002	Wq-Galiwinku Pond 2 Inlet	19/04/2016 9:15	13,400
SGA002	Wq-Galiwinku Pond 2 Inlet	17/05/2016 8:15	10,190
SGA002	Wq-Galiwinku Pond 2 Inlet	21/06/2016 8:30	17,250
SGA002	Wq-Galiwinku Pond 2 Inlet	19/07/2016 8:30	34,480
SGA002	Wq-Galiwinku Pond 2 Inlet	16/08/2016 8:30	34,480
SGA002	Wq-Galiwinku Pond 2 Inlet	20/09/2016 8:30	10,140
SGA002	Wq-Galiwinku Pond 2 Inlet	18/10/2016 8:40	19,180
SGA002	Wq-Galiwinku Pond 2 Inlet	15/11/2016 8:30	29,090
SGA002	Wq-Galiwinku Pond 2 Inlet	17/01/2017 9:30	61,310
SGA002	Wq-Galiwinku Pond 2 Inlet	21/02/2017 10:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	21/03/2017 10:40	488,400
SGA002	Wq-Galiwinku Pond 2 Inlet	18/04/2017 10:30	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	16/05/2017 9:00	387,300
SGA002	Wq-Galiwinku Pond 2 Inlet	20/06/2017 8:20	6,131,000
SGA002	Wq-Galiwinku Pond 2 Inlet	18/07/2017 8:00	770,100
SGA002	Wq-Galiwinku Pond 2 Inlet	15/08/2017 8:00	613,100
SGA002	Wq-Galiwinku Pond 2 Inlet	19/09/2017 8:45	173,290
SGA002	Wq-Galiwinku Pond 2 Inlet	17/10/2017 8:45	135,400
SGA002	Wq-Galiwinku Pond 2 Inlet	21/11/2017 8:30	435,200
SGA002	Wq-Galiwinku Pond 2 Inlet	19/12/2017 7:30	260,300
SGA002	Wq-Galiwinku Pond 2 Inlet	16/01/2018 8:00	119,800
SGA002	Wq-Galiwinku Pond 2 Inlet	27/02/2018 8:00	96,060
SGA002	Wq-Galiwinku Pond 2 Inlet	20/03/2018 8:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	15/05/2018 8:00	290,900
SGA002	Wq-Galiwinku Pond 2 Inlet	19/06/2018 8:00	241,960
SGA002	Wq-Galiwinku Pond 2 Inlet	24/07/2018 8:00	920,800
SGA002	Wq-Galiwinku Pond 2 Inlet	01/09/2020 09:30:00	248,900
SGA002	Wq-Galiwinku Pond 2 Inlet	15/09/2020 09:00:00	235,900
SGA002	Wq-Galiwinku Pond 2 Inlet	20/10/2020 09:00:00	488,400
SGA002	Wq-Galiwinku Pond 2 Inlet	17/11/2020 10:00:00	241,960
SGA002	Wq-Galiwinku Pond 2 Inlet	15/12/2020 09:30:00	2,419,601
SGA002	Wq-Galiwinku Pond 2 Inlet	20/01/2021 09:00:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	16/02/2021 09:30:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	23/02/2021 09:30:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	02/03/2021 08:30:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	09/03/2021 09:00:00	241,961
SGA002	Wq-Galiwinku Pond 2 Inlet	20/04/2021 09:30:00	435,200
SGA002	Wq-Galiwinku Pond 2 Inlet	11/05/2021 08:30:00	241,960
SGA002	Wq-Galiwinku Pond 2 Inlet	15/06/2021 09:30:00	387,300
Mean			496,867
Median			241,961
95th Percentile			1,295,500
SGA090	Wq-Galiwinku Pond 2 Outlet	17/07/2012 9:40	5,370
SGA090	Wq-Galiwinku Pond 2 Outlet	14/08/2012 9:30	630

SGA090	Wq-Galiwinku Pond 2 Outlet	18/09/2012 9:50	146
SGA090	Wq-Galiwinku Pond 2 Outlet	16/10/2012 8:30	464
SGA090	Wq-Galiwinku Pond 2 Outlet	18/12/2012 8:50	109
SGA090	Wq-Galiwinku Pond 2 Outlet	15/01/2013 9:20	108
SGA090	Wq-Galiwinku Pond 2 Outlet	19/02/2013 9:50	410
SGA090	Wq-Galiwinku Pond 2 Outlet	19/03/2013 9:40	521
SGA090	Wq-Galiwinku Pond 2 Outlet	16/04/2013 9:15	199
SGA090	Wq-Galiwinku Pond 2 Outlet	14/05/2013 9:20	10
SGA090	Wq-Galiwinku Pond 2 Outlet	18/06/2013 10:00	41
SGA090	Wq-Galiwinku Pond 2 Outlet	16/07/2013 8:25	41
SGA090	Wq-Galiwinku Pond 2 Outlet	20/08/2013 10:10	6,488
SGA090	Wq-Galiwinku Pond 2 Outlet	15/10/2013 8:50	133,400
SGA090	Wq-Galiwinku Pond 2 Outlet	12/11/2013 0:00	980
SGA090	Wq-Galiwinku Pond 2 Outlet	18/02/2014 9:00	504
SGA090	Wq-Galiwinku Pond 2 Outlet	18/03/2014 8:40	51,720
SGA090	Wq-Galiwinku Pond 2 Outlet	8/04/2014 8:30	100
SGA090	Wq-Galiwinku Pond 2 Outlet	20/05/2014 0:00	6,270
SGA090	Wq-Galiwinku Pond 2 Outlet	17/06/2014 8:15	4,260
SGA090	Wq-Galiwinku Pond 2 Outlet	17/07/2014 0:00	414
SGA090	Wq-Galiwinku Pond 2 Outlet	19/08/2014 10:00	222
SGA090	Wq-Galiwinku Pond 2 Outlet	16/09/2014 8:40	24,196
SGA090	Wq-Galiwinku Pond 2 Outlet	21/10/2014 8:30	200
SGA090	Wq-Galiwinku Pond 2 Outlet	18/11/2014 0:00	8,620
SGA090	Wq-Galiwinku Pond 2 Outlet	16/12/2014 8:15	875
SGA090	Wq-Galiwinku Pond 2 Outlet	27/01/2015 9:30	842
SGA090	Wq-Galiwinku Pond 2 Outlet	17/03/2015 7:30	6,488
SGA090	Wq-Galiwinku Pond 2 Outlet	21/04/2015 8:15	860
SGA090	Wq-Galiwinku Pond 2 Outlet	19/05/2015 8:15	20
SGA090	Wq-Galiwinku Pond 2 Outlet	16/06/2015 8:45	487
SGA090	Wq-Galiwinku Pond 2 Outlet	21/07/2015 7:25	327
SGA090	Wq-Galiwinku Pond 2 Outlet	25/08/2015 7:25	663
SGA090	Wq-Galiwinku Pond 2 Outlet	15/09/2015 8:30	323
SGA090	Wq-Galiwinku Pond 2 Outlet	20/10/2015 8:15	50
SGA090	Wq-Galiwinku Pond 2 Outlet	15/12/2015 9:00	20
SGA090	Wq-Galiwinku Pond 2 Outlet	27/01/2016 0:00	556
SGA090	Wq-Galiwinku Pond 2 Outlet	16/02/2016 8:55	201
SGA090	Wq-Galiwinku Pond 2 Outlet	1/03/2016 8:15	41
SGA090	Wq-Galiwinku Pond 2 Outlet	15/03/2016 10:20	3,609
SGA090	Wq-Galiwinku Pond 2 Outlet	19/04/2016 9:15	41
SGA090	Wq-Galiwinku Pond 2 Outlet	17/05/2016 8:15	5
SGA090	Wq-Galiwinku Pond 2 Outlet	21/06/2016 8:30	97
SGA090	Wq-Galiwinku Pond 2 Outlet	19/07/2016 8:30	63
SGA090	Wq-Galiwinku Pond 2 Outlet	16/08/2016 8:30	850
SGA090	Wq-Galiwinku Pond 2 Outlet	20/09/2016 8:30	644
SGA090	Wq-Galiwinku Pond 2 Outlet	18/10/2016 8:40	3,255
SGA090	Wq-Galiwinku Pond 2 Outlet	15/11/2016 8:30	980
SGA090	Wq-Galiwinku Pond 2 Outlet	17/01/2017 9:30	4,352
SGA090	Wq-Galiwinku Pond 2 Outlet	21/02/2017 10:00	100
SGA090	Wq-Galiwinku Pond 2 Outlet	21/03/2017 10:45	63
SGA090	Wq-Galiwinku Pond 2 Outlet	18/04/2017 9:30	426

SGA090	Wq-Galiwinku Pond 2 Outlet	16/05/2017 9:00	336
SGA090	Wq-Galiwinku Pond 2 Outlet	20/06/2017 8:25	3,448
SGA090	Wq-Galiwinku Pond 2 Outlet	18/07/2017 8:00	3,790
SGA090	Wq-Galiwinku Pond 2 Outlet	15/08/2017 8:00	1,658
SGA090	Wq-Galiwinku Pond 2 Outlet	19/09/2017 8:45	1,223
SGA090	Wq-Galiwinku Pond 2 Outlet	17/10/2017 8:45	156
SGA090	Wq-Galiwinku Pond 2 Outlet	21/11/2017 8:30	6,440
SGA090	Wq-Galiwinku Pond 2 Outlet	19/12/2017 7:30	1,810
SGA090	Wq-Galiwinku Pond 2 Outlet	16/01/2018 8:00	38,730
SGA090	Wq-Galiwinku Pond 2 Outlet	27/02/2018 8:00	630
SGA090	Wq-Galiwinku Pond 2 Outlet	20/03/2018 8:00	970
SGA090	Wq-Galiwinku Pond 2 Outlet	15/05/2018 8:00	100
SGA090	Wq-Galiwinku Pond 2 Outlet	19/06/2018 8:00	410
SGA090	Wq-Galiwinku Pond 2 Outlet	24/07/2018 8:00	1,600
SGA090	Wq-Galiwinku Pond 2 Outlet	8/01/2019 10:00	104,620
SGA090	Wq-Galiwinku Pond 2 Outlet	16/07/2019 09:20:00	1,210
SGA090	Wq-Galiwinku Pond 2 Outlet	21/01/2020 09:30:00	3,320
SGA090	Wq-Galiwinku Pond 2 Outlet	21/07/2020 09:30:00	48,840
SGA090	Wq-Galiwinku Pond 2 Outlet	01/09/2020 09:30:00	2,460
SGA090	Wq-Galiwinku Pond 2 Outlet	15/09/2020 09:00:00	2,410
SGA090	Wq-Galiwinku Pond 2 Outlet	20/10/2020 09:00:00	310
SGA090	Wq-Galiwinku Pond 2 Outlet	17/11/2020 10:00:00	1,080
SGA090	Wq-Galiwinku Pond 2 Outlet	15/12/2020 09:30:00	2,590
SGA090	Wq-Galiwinku Pond 2 Outlet	20/01/2021 09:00:00	422,000
SGA090	Wq-Galiwinku Pond 2 Outlet	16/02/2021 09:35:00	100.0
SGA090	Wq-Galiwinku Pond 2 Outlet	23/02/2021 09:30:00	504.0
SGA090	Wq-Galiwinku Pond 2 Outlet	02/03/2021 08:30:00	850
SGA090	Wq-Galiwinku Pond 2 Outlet	09/03/2021 09:00:00	740
SGA090	Wq-Galiwinku Pond 2 Outlet	20/04/2021 09:30:00	21,870
SGA090	Wq-Galiwinku Pond 2 Outlet	11/05/2021 08:30:00	50
SGA090	Wq-Galiwinku Pond 2 Outlet	15/06/2021 09:30:00	100
No. of Samples			35
Mean			17,127
Median			1,030
Median Dry Season			464
Median Wet Season			846
95th Percentile			51,629
Log reduction			1.6
Gapuwiyak			
SGW001	Wq-Gapuwiyak Pond 1 Inlet	11/08/2020 06:50:00	488,400
SGW001	Wq-Gapuwiyak Pond 1 Inlet	08/09/2020 07:00:00	1,553,100.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	20/10/2020 06:15:00	2,419,600
SGW001	Wq-Gapuwiyak Pond 1 Inlet	10/11/2020 06:40:00	1,732,900
SGW001	Wq-Gapuwiyak Pond 1 Inlet	08/12/2020 06:30:00	1,374,000
SGW001	Wq-Gapuwiyak Pond 1 Inlet	12/01/2021 03:30:00	63,000
SGW001	Wq-Gapuwiyak Pond 1 Inlet	09/02/2021 03:40:00	1,046,200.0
SGW001	Wq-Gapuwiyak Pond 1 Inlet	09/03/2021 07:00:00	816,400
SGW001	Wq-Gapuwiyak Pond 1 Inlet	13/04/2021 07:00:00	1,046,200
SGW001	Wq-Gapuwiyak Pond 1 Inlet	11/05/2021 08:30:00	1,413,600
SGW001	Wq-Gapuwiyak Pond 1 Inlet	08/06/2021 06:30:00	2,098,000

Mean			1,277,400
Median			1,374,000
SGW002	Wq-Gapuwiyak Pond 2 Inlet	11/08/2020 06:45:00	241,961
SGW002	Wq-Gapuwiyak Pond 2 Inlet	08/09/2020 07:15:00	155,310
SGW002	Wq-Gapuwiyak Pond 2 Inlet	20/10/2020 06:20:00	241,961
SGW002	Wq-Gapuwiyak Pond 2 Inlet	10/11/2020 07:00:00	241,961
SGW002	Wq-Gapuwiyak Pond 2 Inlet	08/12/2020 06:50:00	816,400
SGW002	Wq-Gapuwiyak Pond 2 Inlet	12/01/2021 03:50:00	435,200
SGW002	Wq-Gapuwiyak Pond 2 Inlet	09/02/2021 03:20:00	727000
SGW002	Wq-Gapuwiyak Pond 2 Inlet	09/03/2021 07:20:00	261,300
SGW002	Wq-Gapuwiyak Pond 2 Inlet	13/04/2021 07:20:00	131,400
SGW002	Wq-Gapuwiyak Pond 2 Inlet	11/05/2021 08:30:00	179,300
SGW002	Wq-Gapuwiyak Pond 2 Inlet	08/06/2021 06:50:00	387,300
Mean			347,190
Median			241,961
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/01/2017 9:20	3,840
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/07/2017 8:40	21,420
SGW090	Wq-Gapuwiyak Pond 3 Outlet	9/01/2018 9:25	4,350
SGW090	Wq-Gapuwiyak Pond 3 Outlet	17/04/2018 9:25	50
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/07/2018 8:10	4,080
SGW090	Wq-Gapuwiyak Pond 3 Outlet	8/01/2019 7:45	860
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/07/2019 07:50:00	15,760
SGW090	Wq-Gapuwiyak Pond 3 Outlet	02/09/2019 15:10:00	5,200
SGW090	Wq-Gapuwiyak Pond 3 Outlet	14/01/2020 07:50:00	3,450
SGW090	Wq-Gapuwiyak Pond 3 Outlet	14/04/2020 07:30:00	2,489
SGW090	Wq-Gapuwiyak Pond 3 Outlet	07/07/2020 07:20:00	27,550
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/08/2020 06:30:00	15,000
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/09/2020 07:25:00	24,890
SGW090	Wq-Gapuwiyak Pond 3 Outlet	20/10/2020 06:50:00	43,520
SGW090	Wq-Gapuwiyak Pond 3 Outlet	10/11/2020 07:20:00	15,530
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/12/2020 07:10:00	1,000
SGW090	Wq-Gapuwiyak Pond 3 Outlet	12/01/2021 04:10:00	15,290
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/02/2021 03:00:00	2,880
SGW090	Wq-Gapuwiyak Pond 3 Outlet	09/03/2021 07:40:00	15,000
SGW090	Wq-Gapuwiyak Pond 3 Outlet	13/04/2021 06:40:00	12,960
SGW090	Wq-Gapuwiyak Pond 3 Outlet	11/05/2021 08:30:00	6,700
SGW090	Wq-Gapuwiyak Pond 3 Outlet	08/06/2021 07:10:00	29,090
No. of Samples			22
Mean			12,314
Median			9,830
Average Dry Season			15,760
Average Wet Season			3,645
95th Percentile			29,013
Log Reduction			2.0
Kalkarindji			
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/01/2017 8:06	1,090
SKJ090	Wq-Kalkarindji Pond 4 Outlet	18/07/2017 8:32	880
SKJ090	Wq-Kalkarindji Pond 4 Outlet	16/01/2018 7:49	1,580
SKJ090	Wq-Kalkarindji Pond 4 Outlet	17/07/2018 8:07	100
SKJ090	Wq-Kalkarindji Pond 4 Outlet	15/01/2019 7:41	100

SKJ090	Wq-Kalkarindji Pond 4 Outlet	16/07/2019 08:00:00	323
SKJ090	Wq-Kalkarindji Pond 4 Outlet	21/01/2020 07:45:00	1,210
SKJ090	Wq-Kalkarindji Pond 4 Outlet	19/05/2020 08:02:00	50
SKJ090	Wq-Kalkarindji Pond 4 Outlet	21/07/2020 08:10:00	200
SKJ090	Wq-Kalkarindji Pond 4 Outlet	20/10/2020 07:50:00	218
SKJ090	Wq-Kalkarindji Pond 4 Outlet	23/03/2021 09:21:00	2,380
SKJ090	Wq-Kalkarindji Pond 4 Outlet	20/04/2021 08:06:00	46,110
No. of Samples			12
Mean			4,520
Median			602
Average Dry Season			209
Average Wet Season			1,395
95th Percentile			22,059
Maningrida			
SMN001	Wq-Maningrida Pond 1 Inlet	14/08/2012 10:45	2,419,601
SMN001	Wq-Maningrida Pond 1 Inlet	18/09/2012 11:00	839,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/10/2012 10:00	6,488,000
SMN001	Wq-Maningrida Pond 1 Inlet	20/11/2012 10:45	1,439,000
SMN001	Wq-Maningrida Pond 1 Inlet	18/12/2012 9:30	487,000
SMN001	Wq-Maningrida Pond 1 Inlet	15/01/2013 11:30	1,119,900
SMN001	Wq-Maningrida Pond 1 Inlet	19/02/2013 10:00	2,014,000
SMN001	Wq-Maningrida Pond 1 Inlet	19/03/2013 9:00	663,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/04/2013 10:00	52,900
SMN001	Wq-Maningrida Pond 1 Inlet	14/05/2013 11:30	1,986,300
SMN001	Wq-Maningrida Pond 1 Inlet	19/06/2013 0:00	457,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/07/2013 11:00	579,400
SMN001	Wq-Maningrida Pond 1 Inlet	20/08/2013 9:00	1,413,600
SMN001	Wq-Maningrida Pond 1 Inlet	24/09/2013 10:30	307,600
SMN001	Wq-Maningrida Pond 1 Inlet	15/10/2013 10:30	920,800
SMN001	Wq-Maningrida Pond 1 Inlet	19/11/2013 9:30	365,400
SMN001	Wq-Maningrida Pond 1 Inlet	17/12/2013 10:00	1,553,100
SMN001	Wq-Maningrida Pond 1 Inlet	21/01/2014 10:00	1,046,200
SMN001	Wq-Maningrida Pond 1 Inlet	18/02/2014 11:00	980,400
SMN001	Wq-Maningrida Pond 1 Inlet	18/03/2014 0:00	2,419,600
SMN001	Wq-Maningrida Pond 1 Inlet	22/04/2014 9:30	2,419,600
SMN001	Wq-Maningrida Pond 1 Inlet	20/05/2014 10:30	2,603,000
SMN001	Wq-Maningrida Pond 1 Inlet	17/06/2014 9:30	2,282,000
SMN001	Wq-Maningrida Pond 1 Inlet	22/07/2014 9:30	771,000
SMN001	Wq-Maningrida Pond 1 Inlet	19/08/2014 9:30	248,100
SMN001	Wq-Maningrida Pond 1 Inlet	16/09/2014 9:00	19,863,000
SMN001	Wq-Maningrida Pond 1 Inlet	21/10/2014 9:00	650,000
SMN001	Wq-Maningrida Pond 1 Inlet	18/11/2014 9:30	1,314,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/12/2014 11:25	1,597,000
SMN001	Wq-Maningrida Pond 1 Inlet	20/01/2015 10:30	727,000
SMN001	Wq-Maningrida Pond 1 Inlet	17/02/2015 10:20	435,200
SMN001	Wq-Maningrida Pond 1 Inlet	17/03/2015 9:50	770,100
SMN001	Wq-Maningrida Pond 1 Inlet	19/05/2015 8:00	35,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/06/2015 10:00	488,400
SMN001	Wq-Maningrida Pond 1 Inlet	21/07/2015 11:10	1,553,100
SMN001	Wq-Maningrida Pond 1 Inlet	15/09/2015 11:15	547,500

SMN001	Wq-Maningrida Pond 1 Inlet	20/10/2015 9:45	81,600
SMN001	Wq-Maningrida Pond 1 Inlet	15/12/2015 10:05	206,400
SMN001	Wq-Maningrida Pond 1 Inlet	19/01/2016 10:05	325,500
SMN001	Wq-Maningrida Pond 1 Inlet	16/02/2016 8:55	2,419,600
SMN001	Wq-Maningrida Pond 1 Inlet	2/03/2016 8:45	1,986,300
SMN001	Wq-Maningrida Pond 1 Inlet	15/03/2016 0:00	1,732,900
SMN001	Wq-Maningrida Pond 1 Inlet	19/04/2016 10:30	2,014,000
SMN001	Wq-Maningrida Pond 1 Inlet	29/06/2016 8:50	3,654,000
SMN001	Wq-Maningrida Pond 1 Inlet	6/07/2016 8:25	1,515,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/08/2016 11:10	408,000
SMN001	Wq-Maningrida Pond 1 Inlet	27/09/2016 9:55	529,000
SMN001	Wq-Maningrida Pond 1 Inlet	18/10/2016 10:00	8,164,000
SMN001	Wq-Maningrida Pond 1 Inlet	22/11/2016 10:05	1,553,100
SMN001	Wq-Maningrida Pond 1 Inlet	17/01/2017 12:10	1,986,300
SMN001	Wq-Maningrida Pond 1 Inlet	21/03/2017 13:05	1,236,000
SMN001	Wq-Maningrida Pond 1 Inlet	19/04/2017 9:12	706,000
SMN001	Wq-Maningrida Pond 1 Inlet	16/05/2017 11:30	292,000
SMN001	Wq-Maningrida Pond 1 Inlet	20/06/2017 8:50	435,200
SMN001	Wq-Maningrida Pond 1 Inlet	18/07/2017 10:13	1,112,000
SMN001	Wq-Maningrida Pond 1 Inlet	15/08/2017 11:10	3,255,000
SMN001	Wq-Maningrida Pond 1 Inlet	19/12/2017 8:16	2,419,600
SMN001	Wq-Maningrida Pond 1 Inlet	9/01/2018 11:12	24,196,001
SMN001	Wq-Maningrida Pond 1 Inlet	20/02/2018 10:35	420,000
SMN001	Wq-Maningrida Pond 1 Inlet	20/03/2018 11:38	14,136,000
SMN001	Wq-Maningrida Pond 1 Inlet	17/04/2018 9:32	191,800
SMN001	Wq-Maningrida Pond 1 Inlet	15/05/2018 10:45	1,014,000
SMN001	Wq-Maningrida Pond 1 Inlet	24/07/2018 9:47	1,017,000
SMN001	Wq-Maningrida Pond 1 Inlet	15/01/2019 10:58	2,419,600
SMN001	Wq-Maningrida Pond 1 Inlet	11/08/2020 10:30:00	980,400
SMN001	Wq-Maningrida Pond 1 Inlet	15/09/2020 09:20:00	24,196,001
SMN001	Wq-Maningrida Pond 1 Inlet	20/10/2020 11:00:00	857,000
SMN001	Wq-Maningrida Pond 1 Inlet	17/11/2020 10:00:00	906,000
SMN001	Wq-Maningrida Pond 1 Inlet	08/12/2020 10:30:00	727,000
SMN001	Wq-Maningrida Pond 1 Inlet	20/01/2021 09:00:00	727,000.0
SMN001	Wq-Maningrida Pond 1 Inlet	02/02/2021 09:10:00	1,145,000
SMN001	Wq-Maningrida Pond 1 Inlet	17/03/2021 08:00:00	365,400
SMN001	Wq-Maningrida Pond 1 Inlet	20/04/2021 12:00:00	512,000
SMN001	Wq-Maningrida Pond 1 Inlet	15/06/2021 09:05:00	5,172,000
SMN001	Wq-Maningrida Pond 1 Inlet	29/06/2021 09:55:00	14,136,000
Mean			3,765,465
Median			1,017,000
95% Percentile			19,166,001
SMN002	Wq-Maningrida Pond 2 Inlet	14/08/2012 10:55	241,960
SMN002	Wq-Maningrida Pond 2 Inlet	18/09/2012 11:10	75,000
SMN002	Wq-Maningrida Pond 2 Inlet	16/10/2012 10:15	98,800
SMN002	Wq-Maningrida Pond 2 Inlet	20/11/2012 11:00	34,500
SMN002	Wq-Maningrida Pond 2 Inlet	18/12/2012 9:15	72,700
SMN002	Wq-Maningrida Pond 2 Inlet	15/01/2013 11:45	178,500
SMN002	Wq-Maningrida Pond 2 Inlet	19/02/2013 10:15	135,400
SMN002	Wq-Maningrida Pond 2 Inlet	19/03/2013 9:15	24,500

SMN002	Wq-Maningrida Pond 2 Inlet	16/04/2013 10:15	104,620
SMN002	Wq-Maningrida Pond 2 Inlet	14/05/2013 11:45	120,330
SMN002	Wq-Maningrida Pond 2 Inlet	19/06/2013 0:00	129,970
SMN002	Wq-Maningrida Pond 2 Inlet	16/07/2013 11:15	137,600
SMN002	Wq-Maningrida Pond 2 Inlet	20/08/2013 9:15	488,400
SMN002	Wq-Maningrida Pond 2 Inlet	24/09/2013 10:45	410,600
SMN002	Wq-Maningrida Pond 2 Inlet	15/10/2013 10:45	53,800
SMN002	Wq-Maningrida Pond 2 Inlet	19/11/2013 9:45	167,400
SMN002	Wq-Maningrida Pond 2 Inlet	17/12/2013 10:15	72,700
SMN002	Wq-Maningrida Pond 2 Inlet	21/01/2014 10:15	98,040
SMN002	Wq-Maningrida Pond 2 Inlet	18/02/2014 11:15	173,290
SMN002	Wq-Maningrida Pond 2 Inlet	18/03/2014 0:00	41,060
SMN002	Wq-Maningrida Pond 2 Inlet	22/04/2014 9:45	240,000
SMN002	Wq-Maningrida Pond 2 Inlet	20/05/2014 10:45	129,970
SMN002	Wq-Maningrida Pond 2 Inlet	17/06/2014 9:45	241,960
SMN002	Wq-Maningrida Pond 2 Inlet	22/07/2014 9:45	248,100
SMN002	Wq-Maningrida Pond 2 Inlet	19/08/2014 9:45	344,800
SMN002	Wq-Maningrida Pond 2 Inlet	16/09/2014 8:45	613,100
SMN002	Wq-Maningrida Pond 2 Inlet	21/10/2014 9:15	161,600
SMN002	Wq-Maningrida Pond 2 Inlet	18/11/2014 9:45	142,100
SMN002	Wq-Maningrida Pond 2 Inlet	16/12/2014 11:15	173,290
SMN002	Wq-Maningrida Pond 2 Inlet	20/01/2015 10:40	141,360
SMN002	Wq-Maningrida Pond 2 Inlet	17/02/2015 10:30	92,080
SMN002	Wq-Maningrida Pond 2 Inlet	17/03/2015 10:00	98,040
SMN002	Wq-Maningrida Pond 2 Inlet	19/05/2015 8:05	19,890
SMN002	Wq-Maningrida Pond 2 Inlet	16/06/2015 10:10	25,950
SMN002	Wq-Maningrida Pond 2 Inlet	21/07/2015 11:20	20,980
SMN002	Wq-Maningrida Pond 2 Inlet	15/09/2015 11:25	32,300
SMN002	Wq-Maningrida Pond 2 Inlet	20/10/2015 9:55	29,090
SMN002	Wq-Maningrida Pond 2 Inlet	15/12/2015 10:15	5,830
SMN002	Wq-Maningrida Pond 2 Inlet	19/01/2016 10:15	6,300
SMN002	Wq-Maningrida Pond 2 Inlet	16/02/2016 9:15	41,060
SMN002	Wq-Maningrida Pond 2 Inlet	2/03/2016 8:55	146,700
SMN002	Wq-Maningrida Pond 2 Inlet	15/03/2016 0:00	72,700
SMN002	Wq-Maningrida Pond 2 Inlet	19/04/2016 10:40	40,200
SMN002	Wq-Maningrida Pond 2 Inlet	29/06/2016 9:00	52,900
SMN002	Wq-Maningrida Pond 2 Inlet	6/07/2016 8:35	83,900
SMN002	Wq-Maningrida Pond 2 Inlet	16/08/2016 11:15	81,640
SMN002	Wq-Maningrida Pond 2 Inlet	27/09/2016 10:05	14,300
SMN002	Wq-Maningrida Pond 2 Inlet	18/10/2016 10:10	21,430
SMN002	Wq-Maningrida Pond 2 Inlet	22/11/2016 10:30	38,730
SMN002	Wq-Maningrida Pond 2 Inlet	17/01/2017 12:20	19,890
SMN002	Wq-Maningrida Pond 2 Inlet	21/03/2017 13:10	214,200
SMN002	Wq-Maningrida Pond 2 Inlet	19/04/2017 9:30	1,220
SMN002	Wq-Maningrida Pond 2 Inlet	16/05/2017 11:30	11,000
SMN002	Wq-Maningrida Pond 2 Inlet	20/06/2017 8:40	8,820
SMN002	Wq-Maningrida Pond 2 Inlet	18/07/2017 10:06	29,900
SMN002	Wq-Maningrida Pond 2 Inlet	15/08/2017 11:05	140,100
SMN002	Wq-Maningrida Pond 2 Inlet	19/12/2017 8:22	17,300
SMN002	Wq-Maningrida Pond 2 Inlet	9/01/2018 11:16	129,100

SMN002	Wq-Maningrida Pond 2 Inlet	20/02/2018 10:40	29,500
SMN002	Wq-Maningrida Pond 2 Inlet	20/03/2018 11:42	75,000
SMN002	Wq-Maningrida Pond 2 Inlet	17/04/2018 9:37	241,961
SMN002	Wq-Maningrida Pond 2 Inlet	15/05/2018 10:53	52,900
SMN002	Wq-Maningrida Pond 2 Inlet	24/07/2018 9:42	122,300
SMN002	Wq-Maningrida Pond 2 Inlet	15/01/2019 11:04	30,760
SMN002	Wq-Maningrida Pond 2 Inlet	11/08/2020 10:35:00	111,990
SMN002	Wq-Maningrida Pond 2 Inlet	15/09/2020 09:25:00	141,360
SMN002	Wq-Maningrida Pond 2 Inlet	20/10/2020 11:03:00	98,040
SMN002	Wq-Maningrida Pond 2 Inlet	17/11/2020 10:06:00	111,990
SMN002	Wq-Maningrida Pond 2 Inlet	08/12/2020 10:37:00	77,010
SMN002	Wq-Maningrida Pond 2 Inlet	20/01/2021 09:35:00	48,840.0
SMN002	Wq-Maningrida Pond 2 Inlet	02/02/2021 09:10:00	241,961
SMN002	Wq-Maningrida Pond 2 Inlet	17/03/2021 08:05:00	43,520
SMN002	Wq-Maningrida Pond 2 Inlet	20/04/2021 12:00:00	34,480
SMN002	Wq-Maningrida Pond 2 Inlet	15/06/2021 09:22:00	630
SMN002	Wq-Maningrida Pond 2 Inlet	29/06/2021 10:00:00	24,197
Mean			74,128
Median			48,840
95% Percentile			228,081
SMN090	Wq-Maningrida Pond 3 Outlet	14/08/2012 11:05	241,960
SMN090	Wq-Maningrida Pond 3 Outlet	18/09/2012 11:20	104,620
SMN090	Wq-Maningrida Pond 3 Outlet	16/10/2012 10:30	173,290
SMN090	Wq-Maningrida Pond 3 Outlet	20/11/2012 11:15	30,760
SMN090	Wq-Maningrida Pond 3 Outlet	18/12/2012 9:00	24,197
SMN090	Wq-Maningrida Pond 3 Outlet	15/01/2013 12:00	64,880
SMN090	Wq-Maningrida Pond 3 Outlet	19/02/2013 10:30	155,310
SMN090	Wq-Maningrida Pond 3 Outlet	19/03/2013 9:30	7,701
SMN090	Wq-Maningrida Pond 3 Outlet	16/04/2013 10:30	24,197
SMN090	Wq-Maningrida Pond 3 Outlet	14/05/2013 12:00	40,830
SMN090	Wq-Maningrida Pond 3 Outlet	19/06/2013 0:00	92,080
SMN090	Wq-Maningrida Pond 3 Outlet	16/07/2013 11:30	173,290
SMN090	Wq-Maningrida Pond 3 Outlet	20/08/2013 9:30	488,400
SMN090	Wq-Maningrida Pond 3 Outlet	24/09/2013 11:00	76,700
SMN090	Wq-Maningrida Pond 3 Outlet	15/10/2013 11:00	57,600
SMN090	Wq-Maningrida Pond 3 Outlet	19/11/2013 10:00	120,330
SMN090	Wq-Maningrida Pond 3 Outlet	17/12/2013 10:30	64,880
SMN090	Wq-Maningrida Pond 3 Outlet	21/01/2014 10:30	111,990
SMN090	Wq-Maningrida Pond 3 Outlet	18/02/2014 11:30	201,400
SMN090	Wq-Maningrida Pond 3 Outlet	18/03/2014 0:00	34,480
SMN090	Wq-Maningrida Pond 3 Outlet	22/04/2014 10:00	228,200
SMN090	Wq-Maningrida Pond 3 Outlet	20/05/2014 11:00	92,080
SMN090	Wq-Maningrida Pond 3 Outlet	17/06/2014 10:00	241,960
SMN090	Wq-Maningrida Pond 3 Outlet	22/07/2014 10:00	173,290
SMN090	Wq-Maningrida Pond 3 Outlet	19/08/2014 10:00	238,200
SMN090	Wq-Maningrida Pond 3 Outlet	16/09/2014 8:30	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	21/10/2014 9:20	101,900
SMN090	Wq-Maningrida Pond 3 Outlet	18/11/2014 10:00	135,400
SMN090	Wq-Maningrida Pond 3 Outlet	16/12/2014 11:10	92,080
SMN090	Wq-Maningrida Pond 3 Outlet	20/01/2015 10:50	98,040

SMN090	Wq-Maningrida Pond 3 Outlet	17/02/2015 10:40	72,700
SMN090	Wq-Maningrida Pond 3 Outlet	17/03/2015 10:10	92,080
SMN090	Wq-Maningrida Pond 3 Outlet	19/05/2015 8:10	1,354
SMN090	Wq-Maningrida Pond 3 Outlet	16/06/2015 10:20	2,560
SMN090	Wq-Maningrida Pond 3 Outlet	21/07/2015 11:30	1,780
SMN090	Wq-Maningrida Pond 3 Outlet	15/09/2015 11:35	77,010
SMN090	Wq-Maningrida Pond 3 Outlet	20/10/2015 10:05	2,460
SMN090	Wq-Maningrida Pond 3 Outlet	15/12/2015 10:25	3,840
SMN090	Wq-Maningrida Pond 3 Outlet	19/01/2016 10:25	1,710
SMN090	Wq-Maningrida Pond 3 Outlet	16/02/2016 9:35	6,310
SMN090	Wq-Maningrida Pond 3 Outlet	2/03/2016 9:05	1,080
SMN090	Wq-Maningrida Pond 3 Outlet	15/03/2016 0:00	3,640
SMN090	Wq-Maningrida Pond 3 Outlet	19/04/2016 10:50	3,441
SMN090	Wq-Maningrida Pond 3 Outlet	29/06/2016 9:10	1,340
SMN090	Wq-Maningrida Pond 3 Outlet	6/07/2016 8:45	1,220
SMN090	Wq-Maningrida Pond 3 Outlet	16/08/2016 11:25	1,580
SMN090	Wq-Maningrida Pond 3 Outlet	27/09/2016 10:15	980
SMN090	Wq-Maningrida Pond 3 Outlet	18/10/2016 10:20	2,382
SMN090	Wq-Maningrida Pond 3 Outlet	22/11/2016 10:40	1,553
SMN090	Wq-Maningrida Pond 3 Outlet	17/01/2017 12:30	1,210
SMN090	Wq-Maningrida Pond 3 Outlet	21/03/2017 13:15	4,650
SMN090	Wq-Maningrida Pond 3 Outlet	19/04/2017 9:30	200
SMN090	Wq-Maningrida Pond 3 Outlet	16/05/2017 11:30	410
SMN090	Wq-Maningrida Pond 3 Outlet	20/06/2017 8:45	750
SMN090	Wq-Maningrida Pond 3 Outlet	18/07/2017 9:59	414
SMN090	Wq-Maningrida Pond 3 Outlet	15/08/2017 11:00	750
SMN090	Wq-Maningrida Pond 3 Outlet	19/12/2017 8:28	300
SMN090	Wq-Maningrida Pond 3 Outlet	9/01/2018 11:21	309
SMN090	Wq-Maningrida Pond 3 Outlet	20/02/2018 10:45	1,210
SMN090	Wq-Maningrida Pond 3 Outlet	20/03/2018 11:47	4,350
SMN090	Wq-Maningrida Pond 3 Outlet	17/04/2018 9:42	77,010
SMN090	Wq-Maningrida Pond 3 Outlet	15/05/2018 10:57	410
SMN090	Wq-Maningrida Pond 3 Outlet	24/07/2018 9:38	1,725
SMN090	Wq-Maningrida Pond 3 Outlet	15/01/2019 11:08	2,460
SMN090	Wq-Maningrida Pond 3 Outlet	16/07/2019 11:45:00	256
SMN090	Wq-Maningrida Pond 3 Outlet	21/01/2020 09:00:00	1,450
SMN090	Wq-Maningrida Pond 3 Outlet	21/07/2020 10:00:00	1,600
SMN090	Wq-Maningrida Pond 3 Outlet	11/08/2020 10:40:00	410
SMN090	Wq-Maningrida Pond 3 Outlet	15/09/2020 09:30:00	3,500
SMN090	Wq-Maningrida Pond 3 Outlet	20/10/2020 11:10:00	310
SMN090	Wq-Maningrida Pond 3 Outlet	17/11/2020 10:15:00	970
SMN090	Wq-Maningrida Pond 3 Outlet	08/12/2020 10:43:00	5,460
SMN090	Wq-Maningrida Pond 3 Outlet	20/01/2021 09:43:00	3,230.0
SMN090	Wq-Maningrida Pond 3 Outlet	02/02/2021 09:30:00	241,961
SMN090	Wq-Maningrida Pond 3 Outlet	17/03/2021 08:10:00	3,840
SMN090	Wq-Maningrida Pond 3 Outlet	20/04/2021 12:00:00	7,940
SMN090	Wq-Maningrida Pond 3 Outlet	15/06/2021 09:30:00	6,630
SMN090	Wq-Maningrida Pond 3 Outlet	29/06/2021 10:06:00	30,760
No. of Samples		34	
Mean		12,123	

Median			1,502
Median Dry Season			3,030
Median Wet Season			7,006
95th Percentile			46,947
Log Reduction			2.8
Manthathpe			
SMP001	Wq-Manthathpe Pond 1 Inlet	12/08/2020 06:35:00	3,654,000
SMP001	Wq-Manthathpe Pond 1 Inlet	09/09/2020 07:30:00	134,000
SMP001	Wq-Manthathpe Pond 1 Inlet	14/10/2020 07:30:00	594,000
SMP001	Wq-Manthathpe Pond 1 Inlet	11/11/2020 07:30:00	547,500
SMP001	Wq-Manthathpe Pond 1 Inlet	09/12/2020 07:40:00	307,600
SMP001	Wq-Manthathpe Pond 1 Inlet	13/01/2021 07:00:00	125,900
SMP001	Wq-Manthathpe Pond 1 Inlet	10/02/2021 07:50:00	15,800
SMP001	Wq-Manthathpe Pond 1 Inlet	10/03/2021 06:30:00	60,500
SMP001	Wq-Manthathpe Pond 1 Inlet	14/04/2021 07:00:00	222,400
SMP001	Wq-Manthathpe Pond 1 Inlet	12/05/2021 07:00:00	186,000
SMP001	Wq-Manthathpe Pond 1 Inlet	09/06/2021 07:00:00	130,100
Mean			543,436
Median			186,000
SMP002	Wq-Manthathpe Pond 2 Inlet	12/08/2020 06:40:00	500
SMP002	Wq-Manthathpe Pond 2 Inlet	09/09/2020 07:40:00	2,000
SMP002	Wq-Manthathpe Pond 2 Inlet	14/10/2020 07:50:00	14,136
SMP002	Wq-Manthathpe Pond 2 Inlet	11/11/2020 07:40:00	7,701
SMP002	Wq-Manthathpe Pond 2 Inlet	09/12/2020 07:50:00	2,489
SMP002	Wq-Manthathpe Pond 2 Inlet	13/01/2021 07:15:00	1,100
SMP002	Wq-Manthathpe Pond 2 Inlet	10/02/2021 08:00:00	1,210
SMP002	Wq-Manthathpe Pond 2 Inlet	10/03/2021 06:50:00	1,350
SMP002	Wq-Manthathpe Pond 2 Inlet	14/04/2021 07:20:00	10,670
SMP002	Wq-Manthathpe Pond 2 Inlet	12/05/2021 07:20:00	860
SMP002	Wq-Manthathpe Pond 2 Inlet	09/06/2021 07:20:00	10,140
Mean			4,741
Median			2,000
SMP090	Wq-Manthathpe Pond 2 Outlet	17/01/2017 8:55	17,230
SMP090	Wq-Manthathpe Pond 2 Outlet	12/07/2017 7:40	4,100
SMP090	Wq-Manthathpe Pond 2 Outlet	10/01/2018 7:45	9,340
SMP090	Wq-Manthathpe Pond 2 Outlet	11/07/2018 7:45	310
SMP090	Wq-Manthathpe Pond 2 Outlet	9/01/2019 7:40	2,160
SMP090	Wq-Manthathpe Pond 2 Outlet	10/07/2019 07:45:00	2,490
SMP090	Wq-Manthathpe Pond 2 Outlet	21/01/2020 07:30:00	9,090
SMP090	Wq-Manthathpe Pond 2 Outlet	15/07/2020 08:00:00	630
SMP090	Wq-Manthathpe Pond 2 Outlet	12/08/2020 06:50:00	1,220
SMP090	Wq-Manthathpe Pond 2 Outlet	09/09/2020 07:50:00	1,090
SMP090	Wq-Manthathpe Pond 2 Outlet	14/10/2020 08:10:00	14,136
SMP090	Wq-Manthathpe Pond 2 Outlet	11/11/2020 07:50:00	20,460
SMP090	Wq-Manthathpe Pond 2 Outlet	09/12/2020 08:00:00	5,040
SMP090	Wq-Manthathpe Pond 2 Outlet	13/01/2021 07:30:00	500
SMP090	Wq-Manthathpe Pond 2 Outlet	10/02/2021 08:10:00	200
SMP090	Wq-Manthathpe Pond 2 Outlet	10/03/2021 07:10:00	740
SMP090	Wq-Manthathpe Pond 2 Outlet	14/04/2021 07:40:00	8,164
SMP090	Wq-Manthathpe Pond 2 Outlet	12/05/2021 07:40:00	315

SMP090	Wq-Manthathpe Pond 2 Outlet	09/06/2021 07:40:00	1,658
No. of Samples			19
Mean			5,204
Median			2,160
Median Dry Season			1,220
Median Wet Season			6,602
95th Percentile			17,553
Log Reduction			2.0
Milikapiti			
SMI090	Wq-Milikapiti Pond 3 Outlet	2/03/2016 10:00	520
SMI090	Wq-Milikapiti Pond 3 Outlet	6/07/2016 8:30	847
SMI090	Wq-Milikapiti Pond 3 Outlet	4/01/2017 8:25	3,448
SMI090	Wq-Milikapiti Pond 3 Outlet	4/07/2017 7:05	3,840
SMI090	Wq-Milikapiti Pond 3 Outlet	2/01/2018 6:45	630
SMI090	Wq-Milikapiti Pond 3 Outlet	3/07/2018 7:10	50
SMI090	Wq-Milikapiti Pond 3 Outlet	2/01/2019 7:15	146
SMI090	Wq-Milikapiti Pond 3 Outlet	30/04/2019 12:15	4,350
SMI090	Wq-Milikapiti Pond 3 Outlet	02/07/2019 06:12:00	2,010
SMI090	Wq-Milikapiti Pond 3 Outlet	01/10/2019 08:12:00	3,640
SMI090	Wq-Milikapiti Pond 3 Outlet	07/01/2020 09:05:00	11,620
SMI090	Wq-Milikapiti Pond 3 Outlet	07/04/2020 09:30:00	6,770
SMI090	Wq-Milikapiti Pond 3 Outlet	07/07/2020 09:15:00	860
SMI090	Wq-Milikapiti Pond 3 Outlet	03/11/2020 08:27:00	6,020
SMI090	Wq-Milikapiti Pond 3 Outlet	05/01/2021 09:30:00	15,650
SMI090	Wq-Milikapiti Pond 3 Outlet	06/04/2021 08:30:00	13,140
No. of Samples			16
Mean			4,596
Median			3,544
95th Percentile			13,768
Median Dry Season			1,435
Median Wet Season			5,185
Milingimbi			
SML001	Wq-Milingimbi Pond 1 Inlet	19/06/2012 9:15	1,012,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2012 9:00	959,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2012 10:00	120,330
SML001	Wq-Milingimbi Pond 1 Inlet	14/08/2012 8:30	171,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/09/2012 9:35	63,000
SML001	Wq-Milingimbi Pond 1 Inlet	20/11/2012 9:50	648,800
SML001	Wq-Milingimbi Pond 1 Inlet	18/12/2012 9:00	920,800
SML001	Wq-Milingimbi Pond 1 Inlet	15/01/2013 8:00	816,400
SML001	Wq-Milingimbi Pond 1 Inlet	19/02/2013 8:00	602,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/03/2013 8:30	1,259,000
SML001	Wq-Milingimbi Pond 1 Inlet	16/04/2013 9:00	1,119,900
SML001	Wq-Milingimbi Pond 1 Inlet	14/05/2013 8:00	767,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/06/2013 8:05	1,203,300
SML001	Wq-Milingimbi Pond 1 Inlet	16/07/2013 8:15	1,162,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/11/2013 10:00	980,400
SML001	Wq-Milingimbi Pond 1 Inlet	21/01/2014 9:00	275,500
SML001	Wq-Milingimbi Pond 1 Inlet	18/02/2014 8:50	214,300

SML001	Wq-Milingimbi Pond 1 Inlet	18/03/2014 8:30	185,000
SML001	Wq-Milingimbi Pond 1 Inlet	22/04/2014 8:30	770,100
SML001	Wq-Milingimbi Pond 1 Inlet	20/05/2014 9:00	344,800
SML001	Wq-Milingimbi Pond 1 Inlet	17/06/2014 8:45	980,400
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2014 9:15	1,986,300
SML001	Wq-Milingimbi Pond 1 Inlet	19/08/2014 9:30	1,732,900
SML001	Wq-Milingimbi Pond 1 Inlet	16/09/2014 8:00	127,400
SML001	Wq-Milingimbi Pond 1 Inlet	21/10/2014 10:00	1,223,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/11/2014 8:00	1,376,000
SML001	Wq-Milingimbi Pond 1 Inlet	16/12/2014 9:50	908,000
SML001	Wq-Milingimbi Pond 1 Inlet	20/01/2015 8:00	410,600
SML001	Wq-Milingimbi Pond 1 Inlet	17/02/2015 9:40	1,137,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/03/2015 9:15	2,419,600
SML001	Wq-Milingimbi Pond 1 Inlet	21/04/2015 9:10	980,400
SML001	Wq-Milingimbi Pond 1 Inlet	19/05/2015 7:40	1,986,300
SML001	Wq-Milingimbi Pond 1 Inlet	16/06/2015 9:00	794,000
SML001	Wq-Milingimbi Pond 1 Inlet	21/07/2015 8:30	980,400
SML001	Wq-Milingimbi Pond 1 Inlet	18/08/2015 9:15	3,448,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/09/2015 9:15	1,723,000
SML001	Wq-Milingimbi Pond 1 Inlet	20/10/2015 9:00	1,413,600
SML001	Wq-Milingimbi Pond 1 Inlet	20/10/2015 9:30	241,960
SML001	Wq-Milingimbi Pond 1 Inlet	17/11/2015 9:50	2,909,000
SML001	Wq-Milingimbi Pond 1 Inlet	24/11/2015 9:20	6,867,000
SML001	Wq-Milingimbi Pond 1 Inlet	1/12/2015 8:00	691,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/12/2015 9:00	547,500
SML001	Wq-Milingimbi Pond 1 Inlet	19/01/2016 8:30	1,203,300
SML001	Wq-Milingimbi Pond 1 Inlet	16/02/2016 9:00	561,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/03/2016 0:00	1,160,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/04/2016 9:00	1,050,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/04/2016 9:00	1,050,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/05/2016 9:00	3,076,000
SML001	Wq-Milingimbi Pond 1 Inlet	21/06/2016 9:35	1,515,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/07/2016 9:30	5,475,000
SML001	Wq-Milingimbi Pond 1 Inlet	16/08/2016 10:00	3,654,000
SML001	Wq-Milingimbi Pond 1 Inlet	20/09/2016 10:15	2,400,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/10/2016 9:00	2,282,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/11/2016 10:00	2,187,000
SML001	Wq-Milingimbi Pond 1 Inlet	29/12/2016 12:00	2,613,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/01/2017 8:30	1,396,000
SML001	Wq-Milingimbi Pond 1 Inlet	21/02/2017 9:30	1,376,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/04/2017 10:00	457,000
SML001	Wq-Milingimbi Pond 1 Inlet	16/05/2017 9:30	1,986,300
SML001	Wq-Milingimbi Pond 1 Inlet	20/06/2017 10:00	4,352,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/07/2017 9:00	5,172,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/08/2017 10:20	5,475,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/09/2017 9:15	2,046,000
SML001	Wq-Milingimbi Pond 1 Inlet	24/10/2017 9:50	1,935,000
SML001	Wq-Milingimbi Pond 1 Inlet	21/11/2017 10:30	980,400
SML001	Wq-Milingimbi Pond 1 Inlet	19/12/2017 9:20	686,700
SML001	Wq-Milingimbi Pond 1 Inlet	16/01/2018 10:00	1,658,000

SML001	Wq-Milingimbi Pond 1 Inlet	20/02/2018 9:40	1,119,900
SML001	Wq-Milingimbi Pond 1 Inlet	20/03/2018 9:00	583,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/04/2018 10:00	1,732,900
SML001	Wq-Milingimbi Pond 1 Inlet	15/05/2018 9:30	2,064,000
SML001	Wq-Milingimbi Pond 1 Inlet	19/06/2018 9:30	5,794,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/07/2018 8:10	2,187,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/01/2019 9:15	1,203,300
SML001	Wq-Milingimbi Pond 1 Inlet	21/07/2020 08:05:00	1,723,000
SML001	Wq-Milingimbi Pond 1 Inlet	01/09/2020 08:30:00	2,924,000
SML001	Wq-Milingimbi Pond 1 Inlet	08/09/2020 09:00:00	1,413,600
SML001	Wq-Milingimbi Pond 1 Inlet	27/10/2020 08:30:00	2,419,601
SML001	Wq-Milingimbi Pond 1 Inlet	03/11/2020 08:00:00	3,076,000
SML001	Wq-Milingimbi Pond 1 Inlet	17/11/2020 08:20:00	1,553,100
SML001	Wq-Milingimbi Pond 1 Inlet	15/12/2020 08:50:00	1,782,000
SML001	Wq-Milingimbi Pond 1 Inlet	20/01/2021 09:00:00	1,732,900.0
SML001	Wq-Milingimbi Pond 1 Inlet	02/02/2021 09:10:00	1,145,000.0
SML001	Wq-Milingimbi Pond 1 Inlet	17/03/2021 08:00:00	784,000
SML001	Wq-Milingimbi Pond 1 Inlet	20/04/2021 08:40:00	1,396,000
SML001	Wq-Milingimbi Pond 1 Inlet	18/05/2021 07:00:00	3,654,000
SML001	Wq-Milingimbi Pond 1 Inlet	15/06/2021 08:20:00	1,396,000
Mean			2,258,282
Median			1,858,500
95th percentile			5,475,000
SML002	Wq-Milingimbi Pond 2 Inlet	19/06/2012 9:20	579,400
SML002	Wq-Milingimbi Pond 2 Inlet	17/07/2012 9:45	198,630
SML002	Wq-Milingimbi Pond 2 Inlet	14/08/2012 8:45	107,100
SML002	Wq-Milingimbi Pond 2 Inlet	18/09/2012 9:50	5,000
SML002	Wq-Milingimbi Pond 2 Inlet	20/11/2012 10:00	307,600
SML002	Wq-Milingimbi Pond 2 Inlet	18/12/2012 9:15	141,360
SML002	Wq-Milingimbi Pond 2 Inlet	15/01/2013 8:20	241,960
SML002	Wq-Milingimbi Pond 2 Inlet	19/02/2013 8:30	235,900
SML002	Wq-Milingimbi Pond 2 Inlet	19/03/2013 8:45	285,100
SML002	Wq-Milingimbi Pond 2 Inlet	16/04/2013 9:15	69,700
SML002	Wq-Milingimbi Pond 2 Inlet	14/05/2013 8:15	162,400
SML002	Wq-Milingimbi Pond 2 Inlet	18/06/2013 8:20	34,480
SML002	Wq-Milingimbi Pond 2 Inlet	16/07/2013 8:30	435,200
SML002	Wq-Milingimbi Pond 2 Inlet	19/11/2013 10:15	214,300
SML002	Wq-Milingimbi Pond 2 Inlet	21/01/2014 9:20	160,700
SML002	Wq-Milingimbi Pond 2 Inlet	18/02/2014 9:10	92,080
SML002	Wq-Milingimbi Pond 2 Inlet	18/03/2014 8:45	68,670
SML002	Wq-Milingimbi Pond 2 Inlet	22/04/2014 8:45	172,300
SML002	Wq-Milingimbi Pond 2 Inlet	20/05/2014 9:20	178,900
SML002	Wq-Milingimbi Pond 2 Inlet	17/06/2014 9:00	313,000
SML002	Wq-Milingimbi Pond 2 Inlet	17/07/2014 9:30	613,100
SML002	Wq-Milingimbi Pond 2 Inlet	19/08/2014 9:40	816,400
SML002	Wq-Milingimbi Pond 2 Inlet	16/09/2014 8:15	8,600
SML002	Wq-Milingimbi Pond 2 Inlet	21/10/2014 10:15	648,800
SML002	Wq-Milingimbi Pond 2 Inlet	18/11/2014 8:15	110,600
SML002	Wq-Milingimbi Pond 2 Inlet	16/12/2014 10:10	248,100
SML002	Wq-Milingimbi Pond 2 Inlet	20/01/2015 8:05	184,200

SML002	Wq-Milingimbi Pond 2 Inlet	17/02/2015 10:00	129,970
SML002	Wq-Milingimbi Pond 2 Inlet	17/03/2015 9:30	816,400
SML002	Wq-Milingimbi Pond 2 Inlet	21/04/2015 9:20	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	19/05/2015 7:55	61,310
SML002	Wq-Milingimbi Pond 2 Inlet	16/06/2015 9:30	173,290
SML002	Wq-Milingimbi Pond 2 Inlet	21/07/2015 8:35	241,960
SML002	Wq-Milingimbi Pond 2 Inlet	18/08/2015 9:30	613,100
SML002	Wq-Milingimbi Pond 2 Inlet	15/09/2015 9:30	1,046,200
SML002	Wq-Milingimbi Pond 2 Inlet	20/10/2015 9:15	727,000
SML002	Wq-Milingimbi Pond 2 Inlet	17/11/2015 10:10	21,800
SML002	Wq-Milingimbi Pond 2 Inlet	24/11/2015 9:30	365,400
SML002	Wq-Milingimbi Pond 2 Inlet	1/12/2015 8:15	387,300
SML002	Wq-Milingimbi Pond 2 Inlet	15/12/2015 9:15	127,400
SML002	Wq-Milingimbi Pond 2 Inlet	19/01/2016 8:35	648,800
SML002	Wq-Milingimbi Pond 2 Inlet	16/02/2016 9:15	54,500
SML002	Wq-Milingimbi Pond 2 Inlet	15/03/2016 0:00	99,000
SML002	Wq-Milingimbi Pond 2 Inlet	19/04/2016 9:30	88,000
SML002	Wq-Milingimbi Pond 2 Inlet	19/04/2016 9:30	88,000
SML002	Wq-Milingimbi Pond 2 Inlet	17/05/2016 9:15	241,960
SML002	Wq-Milingimbi Pond 2 Inlet	21/06/2016 9:45	198,630
SML002	Wq-Milingimbi Pond 2 Inlet	19/07/2016 9:35	1,732,900
SML002	Wq-Milingimbi Pond 2 Inlet	16/08/2016 10:15	313,000
SML002	Wq-Milingimbi Pond 2 Inlet	20/09/2016 10:20	128,100
SML002	Wq-Milingimbi Pond 2 Inlet	18/10/2016 9:15	435,200
SML002	Wq-Milingimbi Pond 2 Inlet	15/11/2016 10:15	517,200
SML002	Wq-Milingimbi Pond 2 Inlet	29/12/2016 12:10	59,800
SML002	Wq-Milingimbi Pond 2 Inlet	17/01/2017 8:35	579,400
SML002	Wq-Milingimbi Pond 2 Inlet	21/02/2017 9:45	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	18/04/2017 10:15	261,300
SML002	Wq-Milingimbi Pond 2 Inlet	16/05/2017 9:30	1,413,600
SML002	Wq-Milingimbi Pond 2 Inlet	20/06/2017 10:15	98,040
SML002	Wq-Milingimbi Pond 2 Inlet	18/07/2017 9:10	2,419,600
SML002	Wq-Milingimbi Pond 2 Inlet	15/08/2017 10:30	579,400
SML002	Wq-Milingimbi Pond 2 Inlet	19/09/2017 9:30	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	24/10/2017 10:00	198,630
SML002	Wq-Milingimbi Pond 2 Inlet	21/11/2017 10:45	57,100
SML002	Wq-Milingimbi Pond 2 Inlet	19/12/2017 9:40	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	16/01/2018 10:15	579,400
SML002	Wq-Milingimbi Pond 2 Inlet	20/02/2018 9:50	488,400
SML002	Wq-Milingimbi Pond 2 Inlet	20/03/2018 9:15	214,200
SML002	Wq-Milingimbi Pond 2 Inlet	17/04/2018 10:15	31,300
SML002	Wq-Milingimbi Pond 2 Inlet	15/05/2018 9:40	648,800
SML002	Wq-Milingimbi Pond 2 Inlet	19/06/2018 9:40	980,400
SML002	Wq-Milingimbi Pond 2 Inlet	17/07/2018 8:20	1,850,000
SML002	Wq-Milingimbi Pond 2 Inlet	15/01/2019 9:20	51,720
SML002	Wq-Milingimbi Pond 2 Inlet	21/07/2020 08:15:00	435,200
SML002	Wq-Milingimbi Pond 2 Inlet	01/09/2020 08:50:00	686,700
SML002	Wq-Milingimbi Pond 2 Inlet	08/09/2020 09:15:00	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	27/10/2020 08:40:00	6,910
SML002	Wq-Milingimbi Pond 2 Inlet	03/11/2020 08:15:00	241,961

SML002	Wq-Milingimbi Pond 2 Inlet	17/11/2020 08:20:00	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	15/12/2020 09:00:00	487,000
SML002	Wq-Milingimbi Pond 2 Inlet	20/01/2021 09:15:00	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	02/02/2021 09:10:00	241,961
SML002	Wq-Milingimbi Pond 2 Inlet	17/03/2021 08:15:00	139,600
SML002	Wq-Milingimbi Pond 2 Inlet	20/04/2021 09:00:00	76,700
SML002	Wq-Milingimbi Pond 2 Inlet	18/05/2021 07:20:00	461,100
SML002	Wq-Milingimbi Pond 2 Inlet	15/06/2021 08:35:00	920,800
Mean			494,400
Median			241,961
95th Percentile			1,750,465
SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2012 9:30	120,330
SML090	Wq-Milingimbi Pond 3 Outlet	14/08/2012 9:00	69,700
SML090	Wq-Milingimbi Pond 3 Outlet	18/09/2012 10:15	92,080
SML090	Wq-Milingimbi Pond 3 Outlet	20/11/2012 10:20	92,080
SML090	Wq-Milingimbi Pond 3 Outlet	18/12/2012 0:00	24,197
SML090	Wq-Milingimbi Pond 3 Outlet	15/01/2013 8:30	98,040
SML090	Wq-Milingimbi Pond 3 Outlet	19/02/2013 9:00	48,840
SML090	Wq-Milingimbi Pond 3 Outlet	19/03/2013 9:00	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	16/04/2013 9:35	98,040
SML090	Wq-Milingimbi Pond 3 Outlet	14/05/2013 8:30	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	18/06/2013 8:45	141,360
SML090	Wq-Milingimbi Pond 3 Outlet	16/07/2013 8:45	290,900
SML090	Wq-Milingimbi Pond 3 Outlet	19/11/2013 10:30	209,800
SML090	Wq-Milingimbi Pond 3 Outlet	21/01/2014 9:30	129,970
SML090	Wq-Milingimbi Pond 3 Outlet	18/02/2014 9:30	81,640
SML090	Wq-Milingimbi Pond 3 Outlet	18/03/2014 9:00	141,360
SML090	Wq-Milingimbi Pond 3 Outlet	22/04/2014 9:00	47,100
SML090	Wq-Milingimbi Pond 3 Outlet	20/05/2014 9:40	92,080
SML090	Wq-Milingimbi Pond 3 Outlet	17/06/2014 9:45	129,970
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2014 9:45	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	19/08/2014 9:50	22,470
SML090	Wq-Milingimbi Pond 3 Outlet	16/09/2014 8:30	61,310
SML090	Wq-Milingimbi Pond 3 Outlet	21/10/2014 10:30	155,310
SML090	Wq-Milingimbi Pond 3 Outlet	18/11/2014 8:30	30,760
SML090	Wq-Milingimbi Pond 3 Outlet	16/12/2014 10:15	54,750
SML090	Wq-Milingimbi Pond 3 Outlet	20/01/2015 8:10	98,040
SML090	Wq-Milingimbi Pond 3 Outlet	17/02/2015 10:10	54,750
SML090	Wq-Milingimbi Pond 3 Outlet	17/03/2015 9:40	198,630
SML090	Wq-Milingimbi Pond 3 Outlet	21/04/2015 9:35	120,330
SML090	Wq-Milingimbi Pond 3 Outlet	19/05/2015 8:10	34,480
SML090	Wq-Milingimbi Pond 3 Outlet	16/06/2015 9:45	129,970
SML090	Wq-Milingimbi Pond 3 Outlet	21/07/2015 8:40	198,630
SML090	Wq-Milingimbi Pond 3 Outlet	18/08/2015 9:45	155,310
SML090	Wq-Milingimbi Pond 3 Outlet	15/09/2015 9:45	241,960
SML090	Wq-Milingimbi Pond 3 Outlet	17/11/2015 10:30	198,630
SML090	Wq-Milingimbi Pond 3 Outlet	24/11/2015 9:40	49,600
SML090	Wq-Milingimbi Pond 3 Outlet	1/12/2015 8:30	1,986,300
SML090	Wq-Milingimbi Pond 3 Outlet	15/12/2015 9:30	101,700
SML090	Wq-Milingimbi Pond 3 Outlet	19/01/2016 8:40	129,970

SML090	Wq-Milingimbi Pond 3 Outlet	16/02/2016 0:00	178,200
SML090	Wq-Milingimbi Pond 3 Outlet	1/03/2016 0:00	155,310
SML090	Wq-Milingimbi Pond 3 Outlet	15/03/2016 0:00	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	19/04/2016 9:40	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	19/04/2016 9:40	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	17/05/2016 9:30	241,960
SML090	Wq-Milingimbi Pond 3 Outlet	21/06/2016 10:00	27,550
SML090	Wq-Milingimbi Pond 3 Outlet	19/07/2016 9:40	241,960
SML090	Wq-Milingimbi Pond 3 Outlet	16/08/2016 10:30	129,970
SML090	Wq-Milingimbi Pond 3 Outlet	20/09/2016 10:30	77,100
SML090	Wq-Milingimbi Pond 3 Outlet	18/10/2016 9:30	198,630
SML090	Wq-Milingimbi Pond 3 Outlet	15/11/2016 10:25	48,840
SML090	Wq-Milingimbi Pond 3 Outlet	29/12/2016 12:15	420,000
SML090	Wq-Milingimbi Pond 3 Outlet	17/01/2017 8:40	54,750
SML090	Wq-Milingimbi Pond 3 Outlet	21/02/2017 9:55	24,196
SML090	Wq-Milingimbi Pond 3 Outlet	18/04/2017 10:30	241,960
SML090	Wq-Milingimbi Pond 3 Outlet	16/05/2017 9:30	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	20/06/2017 10:30	120,330
SML090	Wq-Milingimbi Pond 3 Outlet	18/07/2017 9:30	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	15/08/2017 10:30	120,330
SML090	Wq-Milingimbi Pond 3 Outlet	19/09/2017 9:45	24,197
SML090	Wq-Milingimbi Pond 3 Outlet	24/10/2017 10:10	43,520
SML090	Wq-Milingimbi Pond 3 Outlet	21/11/2017 11:00	41,060
SML090	Wq-Milingimbi Pond 3 Outlet	19/12/2017 10:00	198,630
SML090	Wq-Milingimbi Pond 3 Outlet	16/01/2018 10:30	241,960
SML090	Wq-Milingimbi Pond 3 Outlet	20/02/2018 10:00	155,310
SML090	Wq-Milingimbi Pond 3 Outlet	20/03/2018 9:30	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	17/04/2018 10:30	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	15/05/2018 10:00	17,850
SML090	Wq-Milingimbi Pond 3 Outlet	19/06/2018 9:50	104,620
SML090	Wq-Milingimbi Pond 3 Outlet	17/07/2018 8:30	98,040
SML090	Wq-Milingimbi Pond 3 Outlet	15/01/2019 9:30	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	3/05/2019 12:00	72,700
SML090	Wq-Milingimbi Pond 3 Outlet	16/07/2019 09:40:00	120,330
SML090	Wq-Milingimbi Pond 3 Outlet	21/01/2020 08:30:00	43,520
SML090	Wq-Milingimbi Pond 3 Outlet	21/07/2020 08:25:00	104,300
SML090	Wq-Milingimbi Pond 3 Outlet	01/09/2020 09:15:00	150,000
SML090	Wq-Milingimbi Pond 3 Outlet	08/09/2020 09:30:00	198,630
SML090	Wq-Milingimbi Pond 3 Outlet	27/10/2020 08:50:00	86,640
SML090	Wq-Milingimbi Pond 3 Outlet	03/11/2020 08:30:00	173,290
SML090	Wq-Milingimbi Pond 3 Outlet	17/11/2020 08:20:00	57,480
SML090	Wq-Milingimbi Pond 3 Outlet	15/12/2020 09:10:00	129,970
SML090	Wq-Milingimbi Pond 3 Outlet	20/01/2021 09:30:00	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	02/02/2021 09:30:00	241,961
SML090	Wq-Milingimbi Pond 3 Outlet	17/03/2021 08:30:00	204,600
SML090	Wq-Milingimbi Pond 3 Outlet	20/04/2021 09:20:00	461,100
SML090	Wq-Milingimbi Pond 3 Outlet	18/05/2021 07:40:00	127,400
SML090	Wq-Milingimbi Pond 3 Outlet	15/06/2021 08:50:00	1,299,700
No. of Samples		40	
Mean		180,227	

Median			129,970
Median Wet Season			129,970
Median Dry Season			120,330
95th Percentile			420,000
Log Reduction			1.2
Minjilang			
SMJ090	Wq-Minjilang Pond 2 Outlet	4/01/2017 8:45	11,300
SMJ090	Wq-Minjilang Pond 2 Outlet	4/07/2017 8:30	27,550
SMJ090	Wq-Minjilang Pond 2 Outlet	2/01/2018 8:00	2,410
SMJ090	Wq-Minjilang Pond 2 Outlet	11/01/2018 10:10	1,210
SMJ090	Wq-Minjilang Pond 2 Outlet	3/07/2018 8:10	6,440
SMJ090	Wq-Minjilang Pond 2 Outlet	2/01/2019 9:00	3,410
SMJ090	Wq-Minjilang Pond 2 Outlet	30/04/2019 16:00	2,750
SMJ090	Wq-Minjilang Pond 2 Outlet	06/08/2019 13:35:00	4,810
SMJ090	Wq-Minjilang Pond 2 Outlet	07/01/2020 08:15:00	11,000
SMJ090	Wq-Minjilang Pond 2 Outlet	07/04/2020 09:10:00	556
SMJ090	Wq-Minjilang Pond 2 Outlet	07/07/2020 08:30:00	8,360
SMJ090	Wq-Minjilang Pond 2 Outlet	06/10/2020 09:00:00	100
SMJ090	Wq-Minjilang Pond 2 Outlet	05/01/2021 07:45:00	2,010
SMJ090	Wq-Minjilang Pond 2 Outlet	06/04/2021 08:10:00	750
No. of Samples			14
Mean			5,904
Median			3,080
95th Percentile			16,988
Naiuyu			
SNN001	Wq-Naiuyu Pond 1 Inlet	18/08/2020 07:55:00	290,900
SNN001	Wq-Naiuyu Pond 1 Inlet	15/09/2020 08:25:00	178,200
SNN001	Wq-Naiuyu Pond 1 Inlet	20/10/2020 13:00:00	25,900
SNN001	Wq-Naiuyu Pond 1 Inlet	17/11/2020 08:00:00	95,900
SNN001	Wq-Naiuyu Pond 1 Inlet	15/12/2020 09:15:00	61,300
SNN001	Wq-Naiuyu Pond 1 Inlet	19/01/2021 09:00:00	24,600.0
SNN001	Wq-Naiuyu Pond 1 Inlet	20/04/2021 08:35:00	4,884,000
SNN001	Wq-Naiuyu Pond 1 Inlet	18/05/2021 08:30:00	3,255,000
SNN001	Wq-Naiuyu Pond 1 Inlet	15/06/2021 09:10:00	6,131,000
Mean			1,660,756
Median			178,200
SNN002	Wq-Naiuyu Pond 2 Inlet	18/08/2020 08:05:00	241,960
SNN002	Wq-Naiuyu Pond 2 Inlet	15/09/2020 08:20:00	141,360
SNN002	Wq-Naiuyu Pond 2 Inlet	20/10/2020 12:50:00	241,961
SNN002	Wq-Naiuyu Pond 2 Inlet	17/11/2020 07:50:00	241,961
SNN002	Wq-Naiuyu Pond 2 Inlet	15/12/2020 09:10:00	383,000
SNN002	Wq-Naiuyu Pond 2 Inlet	19/01/2021 08:50:00	529,000.0
SNN002	Wq-Naiuyu Pond 2 Inlet	20/04/2021 08:25:00	2,098,000
SNN002	Wq-Naiuyu Pond 2 Inlet	18/05/2021 08:35:00	389,000
SNN002	Wq-Naiuyu Pond 2 Inlet	15/06/2021 09:05:00	125,900
Mean			488,016
Median			241,961
SNN090	Wq-Naiuyu Pond 2 Outlet	19/09/2012 15:20	141,360
SNN090	Wq-Naiuyu Pond 2 Outlet	10/10/2012 11:40	173,290

SNN090	Wq-Naiuyu Pond 2 Outlet	14/11/2012 11:55	74,900
SNN090	Wq-Naiuyu Pond 2 Outlet	16/09/2015 11:25	51,720
SNN090	Wq-Naiuyu Pond 2 Outlet	20/04/2016 11:45	241,961
SNN090	Wq-Naiuyu Pond 2 Outlet	20/07/2016 12:45	198,630
SNN090	Wq-Naiuyu Pond 2 Outlet	18/01/2017 11:00	104,620
SNN090	Wq-Naiuyu Pond 2 Outlet	18/07/2017 8:30	24,197
SNN090	Wq-Naiuyu Pond 2 Outlet	17/04/2018 13:45	241,960
SNN090	Wq-Naiuyu Pond 2 Outlet	17/07/2018 14:35	241,961
SNN090	Wq-Naiuyu Pond 2 Outlet	15/01/2019 10:45	11,530
SNN090	Wq-Naiuyu Pond 2 Outlet	16/07/2019 09:45:00	12,997
SNN090	Wq-Naiuyu Pond 2 Outlet	21/01/2020 09:40:00	92,080
SNN090	Wq-Naiuyu Pond 2 Outlet	21/04/2020 09:08:00	111,990
SNN090	Wq-Naiuyu Pond 2 Outlet	21/07/2020 09:40:00	24,192
SNN090	Wq-Naiuyu Pond 2 Outlet	18/08/2020 08:10:00	173,290
SNN090	Wq-Naiuyu Pond 2 Outlet	15/09/2020 08:15:00	129,970
SNN090	Wq-Naiuyu Pond 2 Outlet	20/10/2020 12:45:00	129,970
SNN090	Wq-Naiuyu Pond 2 Outlet	17/11/2020 07:45:00	241,961
SNN090	Wq-Naiuyu Pond 2 Outlet	15/12/2020 09:00:00	198,900
SNN090	Wq-Naiuyu Pond 2 Outlet	19/01/2021 08:55:00	325,500.0
SNN090	Wq-Naiuyu Pond 2 Outlet	20/04/2021 08:15:00	1,553,100
SNN090	Wq-Naiuyu Pond 2 Outlet	18/05/2021 08:45:00	214,300
SNN090	Wq-Naiuyu Pond 2 Outlet	15/06/2021 09:00:00	68,300
No. of Samples		20	
Mean		217,070	
Median		151,630	
Median Dry Season		129,970	
Median Wet Season		198,900	
95th Percentile		386,880	
Log Reduction		0.9	
Nguiu			
SNG001	Wq-Nguiu Pond 1 Inlet	4/09/2018 8:15	178,500
SNG001	Wq-Nguiu Pond 1 Inlet	31/10/2018 8:05	372,500
SNG001	Wq-Nguiu Pond 1 Inlet	4/12/2018 8:20	275,500
SNG001	Wq-Nguiu Pond 1 Inlet	9/01/2019 8:40	135,000
SNG001	Wq-Nguiu Pond 1 Inlet	5/03/2019 8:15	344,800
SNG001	Wq-Nguiu Pond 1 Inlet	2/04/2019 7:20	325,500
SNG001	Wq-Nguiu Pond 1 Inlet	7/05/2019 8:15	275,500
SNG001	Wq-Nguiu Pond 1 Inlet	4/06/2019 8:15	290,900
SNG001	Wq-Nguiu Pond 1 Inlet	02/07/2019 08:15:00	172,300
SNG001	Wq-Nguiu Pond 1 Inlet	06/08/2019 13:35:00	111,200
SNG001	Wq-Nguiu Pond 1 Inlet	01/10/2019 07:50:00	461,100
SNG001	Wq-Nguiu Pond 1 Inlet	05/11/2019 08:15:00	105,000
SNG001	Wq-Nguiu Pond 1 Inlet	03/12/2019 07:30:00	261,300
SNG001	Wq-Nguiu Pond 1 Inlet	07/01/2020 07:50:00	184,200
SNG001	Wq-Nguiu Pond 1 Inlet	04/02/2020 07:30:00	248,100
SNG001	Wq-Nguiu Pond 1 Inlet	03/03/2020 07:45:00	37,300
SNG001	Wq-Nguiu Pond 1 Inlet	07/04/2020 07:55:00	727,000
SNG001	Wq-Nguiu Pond 1 Inlet	05/05/2020 07:40:00	98,500
SNG001	Wq-Nguiu Pond 1 Inlet	02/06/2020 07:50:00	298,700
SNG001	Wq-Nguiu Pond 1 Inlet	07/07/2020 07:20:00	866,400

SNG001	Wq-Nguiu Pond 1 Inlet	04/08/2020 07:50:00	145,500.0
SNG001	Wq-Nguiu Pond 1 Inlet	01/09/2020 07:30:00	727,000
SNG001	Wq-Nguiu Pond 1 Inlet	06/10/2020 07:55:00	866,400
SNG001	Wq-Nguiu Pond 1 Inlet	03/11/2020 07:20:00	920,800
SNG001	Wq-Nguiu Pond 1 Inlet	01/12/2020 07:30:00	1,986,300
SNG001	Wq-Nguiu Pond 1 Inlet	05/01/2021 08:15:00	44,800
SNG001	Wq-Nguiu Pond 1 Inlet	03/02/2021 10:25:00	198,630
SNG001	Wq-Nguiu Pond 1 Inlet	02/03/2021 07:55:00	15,150
SNG001	Wq-Nguiu Pond 1 Inlet	06/04/2021 07:15:00	173,290
SNG001	Wq-Nguiu Pond 1 Inlet	04/05/2021 07:25:00	120,330
SNG001	Wq-Nguiu Pond 1 Inlet	01/06/2021 07:50:00	241,960
Mean			361,595
Median			248,100
SNG002	Wq-Nguiu Pond 2 Inlet	4/09/2018 8:20	129,970
SNG002	Wq-Nguiu Pond 2 Inlet	31/10/2018 8:10	41,060
SNG002	Wq-Nguiu Pond 2 Inlet	4/12/2018 8:25	6,630
SNG002	Wq-Nguiu Pond 2 Inlet	9/01/2019 8:45	173,290
SNG002	Wq-Nguiu Pond 2 Inlet	5/03/2019 8:17	4,870
SNG002	Wq-Nguiu Pond 2 Inlet	2/04/2019 7:25	129,970
SNG002	Wq-Nguiu Pond 2 Inlet	7/05/2019 8:20	155,310
SNG002	Wq-Nguiu Pond 2 Inlet	4/06/2019 8:18	48,840
SNG002	Wq-Nguiu Pond 2 Inlet	02/07/2019 08:20:00	104,620
SNG002	Wq-Nguiu Pond 2 Inlet	06/08/2019 13:35:00	16,500
SNG002	Wq-Nguiu Pond 2 Inlet	01/10/2019 08:00:00	173,290
SNG002	Wq-Nguiu Pond 2 Inlet	05/11/2019 08:20:00	241,961
SNG002	Wq-Nguiu Pond 2 Inlet	03/12/2019 07:35:00	122,300
SNG002	Wq-Nguiu Pond 2 Inlet	07/01/2020 07:45:00	104,620
SNG002	Wq-Nguiu Pond 2 Inlet	04/02/2020 07:35:00	141,360
SNG002	Wq-Nguiu Pond 2 Inlet	03/03/2020 07:50:00	16,640
SNG002	Wq-Nguiu Pond 2 Inlet	07/04/2020 08:00:00	241,961
SNG002	Wq-Nguiu Pond 2 Inlet	05/05/2020 07:45:00	14,830
SNG002	Wq-Nguiu Pond 2 Inlet	02/06/2020 07:55:00	64,880
SNG002	Wq-Nguiu Pond 2 Inlet	07/07/2020 07:25:00	198,630
SNG002	Wq-Nguiu Pond 2 Inlet	04/08/2020 07:40:00	5,830.0
SNG002	Wq-Nguiu Pond 2 Inlet	01/09/2020 07:40:00	173,290
SNG002	Wq-Nguiu Pond 2 Inlet	06/10/2020 08:05:00	24,890
SNG002	Wq-Nguiu Pond 2 Inlet	03/11/2020 07:30:00	72,700
SNG002	Wq-Nguiu Pond 2 Inlet	01/12/2020 07:35:00	241,960
SNG002	Wq-Nguiu Pond 2 Inlet	05/01/2021 08:20:00	43,520
SNG002	Wq-Nguiu Pond 2 Inlet	03/02/2021 10:35:00	129,970
SNG002	Wq-Nguiu Pond 2 Inlet	02/03/2021 08:00:00	13,140
SNG002	Wq-Nguiu Pond 2 Inlet	06/04/2021 07:25:00	173,290
SNG002	Wq-Nguiu Pond 2 Inlet	04/05/2021 07:30:00	241,960
SNG002	Wq-Nguiu Pond 2 Inlet	01/06/2021 07:55:00	26,130
Mean			105,749
Median			104,620
SNG090	Wq-Nguiu Pond 3 Outlet	23/02/2016 7:00	410
SNG090	Wq-Nguiu Pond 3 Outlet	6/07/2016 9:30	3,654
SNG090	Wq-Nguiu Pond 3 Outlet	4/01/2017 11:06	17,329
SNG090	Wq-Nguiu Pond 3 Outlet	7/06/2017 11:00	3,360

SNG090	Wq-Nguiu Pond 3 Outlet	24/01/2018 9:10	11,120
SNG090	Wq-Nguiu Pond 3 Outlet	3/07/2018 7:35	1,850
SNG090	Wq-Nguiu Pond 3 Outlet	15/08/2018 8:50	6,020
SNG090	Wq-Nguiu Pond 3 Outlet	4/09/2018 8:25	6,440
SNG090	Wq-Nguiu Pond 3 Outlet	31/10/2018 8:15	4,220
SNG090	Wq-Nguiu Pond 3 Outlet	4/12/2018 8:30	74
SNG090	Wq-Nguiu Pond 3 Outlet	9/01/2019 8:50	510
SNG090	Wq-Nguiu Pond 3 Outlet	5/02/2019 8:33	24,197
SNG090	Wq-Nguiu Pond 3 Outlet	5/03/2019 8:19	241
SNG090	Wq-Nguiu Pond 3 Outlet	2/04/2019 7:30	16,070
SNG090	Wq-Nguiu Pond 3 Outlet	7/05/2019 8:25	2,940
SNG090	Wq-Nguiu Pond 3 Outlet	4/06/2019 8:20	6,970
SNG090	Wq-Nguiu Pond 3 Outlet	02/07/2019 08:30:00	100
SNG090	Wq-Nguiu Pond 3 Outlet	06/08/2019 13:35:00	5,748
SNG090	Wq-Nguiu Pond 3 Outlet	01/10/2019 08:05:00	1,450
SNG090	Wq-Nguiu Pond 3 Outlet	05/11/2019 08:25:00	5,730
SNG090	Wq-Nguiu Pond 3 Outlet	03/12/2019 07:40:00	9,330
SNG090	Wq-Nguiu Pond 3 Outlet	07/01/2020 07:40:00	5,710
SNG090	Wq-Nguiu Pond 3 Outlet	04/02/2020 07:40:00	11,260
SNG090	Wq-Nguiu Pond 3 Outlet	03/03/2020 07:55:00	7,430
SNG090	Wq-Nguiu Pond 3 Outlet	07/04/2020 08:05:00	36,540
SNG090	Wq-Nguiu Pond 3 Outlet	05/05/2020 07:50:00	2,030
SNG090	Wq-Nguiu Pond 3 Outlet	02/06/2020 08:00:00	13,960
SNG090	Wq-Nguiu Pond 3 Outlet	07/07/2020 07:30:00	15,650
SNG090	Wq-Nguiu Pond 3 Outlet	04/08/2020 08:00:00	104,600
SNG090	Wq-Nguiu Pond 3 Outlet	01/09/2020 07:50:00	2,880
SNG090	Wq-Nguiu Pond 3 Outlet	06/10/2020 08:15:00	12,230
SNG090	Wq-Nguiu Pond 3 Outlet	03/11/2020 07:40:00	520
SNG090	Wq-Nguiu Pond 3 Outlet	25/11/2020 08:30:00	620
SNG090	Wq-Nguiu Pond 3 Outlet	01/12/2020 07:40:00	8,164
SNG090	Wq-Nguiu Pond 3 Outlet	05/01/2021 08:20:00	546
SNG090	Wq-Nguiu Pond 3 Outlet	03/02/2021 10:45:00	14,830
SNG090	Wq-Nguiu Pond 3 Outlet	02/03/2021 08:05:00	20
SNG090	Wq-Nguiu Pond 3 Outlet	06/04/2021 07:35:00	24,196
SNG090	Wq-Nguiu Pond 3 Outlet	04/05/2021 07:35:00	5,172
SNG090	Wq-Nguiu Pond 3 Outlet	01/06/2021 08:05:00	4,352
No. of Samples			40
Mean			9,962
Median			5,720
Median Dry Season			4,352
Median Wet Season			7,430
95th Percentile			24,814
Log Reduction			1.0
Ngukurr			
SNK001	Wq-Ngukurr Pond 1 Inlet	14/08/2012 7:30	2,382,000
SNK001	Wq-Ngukurr Pond 1 Inlet	11/09/2012 7:15	591,000
SNK001	Wq-Ngukurr Pond 1 Inlet	16/10/2012 7:35	1,017,000
SNK001	Wq-Ngukurr Pond 1 Inlet	20/11/2012 7:00	155,000
SNK001	Wq-Ngukurr Pond 1 Inlet	18/12/2012 6:50	631,000
SNK001	Wq-Ngukurr Pond 1 Inlet	15/01/2013 7:15	139,600

SNK001	Wq-Ngukurr Pond 1 Inlet	19/02/2013 7:00	435,200
SNK001	Wq-Ngukurr Pond 1 Inlet	19/03/2013 7:00	118,700
SNK001	Wq-Ngukurr Pond 1 Inlet	16/04/2013 7:05	307,600
SNK001	Wq-Ngukurr Pond 1 Inlet	14/05/2013 7:15	410,600
SNK001	Wq-Ngukurr Pond 1 Inlet	18/06/2013 7:00	920,800
SNK001	Wq-Ngukurr Pond 1 Inlet	16/07/2013 7:20	1,299,700
SNK001	Wq-Ngukurr Pond 1 Inlet	20/08/2013 7:00	31,000
SNK001	Wq-Ngukurr Pond 1 Inlet	17/09/2013 7:00	167,000
SNK001	Wq-Ngukurr Pond 1 Inlet	15/10/2013 7:00	260,300
SNK001	Wq-Ngukurr Pond 1 Inlet	19/11/2013 7:00	435,200
SNK001	Wq-Ngukurr Pond 1 Inlet	17/12/2013 7:00	11,900
SNK001	Wq-Ngukurr Pond 1 Inlet	21/01/2014 7:30	161,600
SNK001	Wq-Ngukurr Pond 1 Inlet	18/02/2014 5:45	152,900
SNK001	Wq-Ngukurr Pond 1 Inlet	18/03/2014 6:00	90,800
SNK001	Wq-Ngukurr Pond 1 Inlet	15/04/2014 7:00	115,300
SNK001	Wq-Ngukurr Pond 1 Inlet	20/05/2014 7:00	198,630
SNK001	Wq-Ngukurr Pond 1 Inlet	17/06/2014 6:30	648,800
SNK001	Wq-Ngukurr Pond 1 Inlet	17/07/2014 7:00	770,100
SNK001	Wq-Ngukurr Pond 1 Inlet	19/08/2014 7:15	44,800
SNK001	Wq-Ngukurr Pond 1 Inlet	16/09/2014 7:00	770,100
SNK001	Wq-Ngukurr Pond 1 Inlet	20/10/2014 18:00	517,200
SNK001	Wq-Ngukurr Pond 1 Inlet	17/11/2014 18:30	410,600
SNK001	Wq-Ngukurr Pond 1 Inlet	15/12/2014 17:30	307,600
SNK001	Wq-Ngukurr Pond 1 Inlet	19/01/2015 17:30	8,600
SNK001	Wq-Ngukurr Pond 1 Inlet	16/02/2015 17:00	648,800
SNK001	Wq-Ngukurr Pond 1 Inlet	16/03/2015 17:00	461,100
SNK001	Wq-Ngukurr Pond 1 Inlet	20/04/2015 17:00	290,900
SNK001	Wq-Ngukurr Pond 1 Inlet	19/05/2015 11:10	387,300
SNK001	Wq-Ngukurr Pond 1 Inlet	16/06/2015 5:30	224,700
SNK001	Wq-Ngukurr Pond 1 Inlet	20/07/2015 17:30	193,500
SNK001	Wq-Ngukurr Pond 1 Inlet	17/08/2015 17:15	7,500
SNK001	Wq-Ngukurr Pond 1 Inlet	14/09/2015 17:00	30,900
SNK001	Wq-Ngukurr Pond 1 Inlet	20/10/2015 7:15	185,000
SNK001	Wq-Ngukurr Pond 1 Inlet	17/11/2015 6:50	133,300
SNK001	Wq-Ngukurr Pond 1 Inlet	15/12/2015 7:00	248,900
SNK001	Wq-Ngukurr Pond 1 Inlet	19/01/2016 7:00	79,800
SNK001	Wq-Ngukurr Pond 1 Inlet	16/02/2016 6:50	1,986,300
SNK001	Wq-Ngukurr Pond 1 Inlet	1/03/2016 14:00	195,000
SNK001	Wq-Ngukurr Pond 1 Inlet	14/03/2016 18:00	52,000
SNK001	Wq-Ngukurr Pond 1 Inlet	19/04/2016 7:00	40,400
SNK001	Wq-Ngukurr Pond 1 Inlet	17/05/2016 7:15	141,360
SNK001	Wq-Ngukurr Pond 1 Inlet	21/06/2016 7:20	224,700
SNK001	Wq-Ngukurr Pond 1 Inlet	19/07/2016 7:00	209,800
SNK001	Wq-Ngukurr Pond 1 Inlet	16/08/2016 7:15	2,419,600
SNK001	Wq-Ngukurr Pond 1 Inlet	20/09/2016 6:30	581,000
SNK001	Wq-Ngukurr Pond 1 Inlet	18/10/2016 7:00	178,500
SNK001	Wq-Ngukurr Pond 1 Inlet	14/11/2016 16:00	80,100
SNK001	Wq-Ngukurr Pond 1 Inlet	20/12/2016 7:55	99,300
SNK001	Wq-Ngukurr Pond 1 Inlet	17/01/2017 7:30	126,700
SNK001	Wq-Ngukurr Pond 1 Inlet	21/02/2017 7:15	103,900

SNK001	Wq-Ngukurr Pond 1 Inlet	21/03/2017 6:50	2,000
SNK001	Wq-Ngukurr Pond 1 Inlet	18/04/2017 7:30	96,000
SNK001	Wq-Ngukurr Pond 1 Inlet	16/05/2017 7:00	111,200
SNK001	Wq-Ngukurr Pond 1 Inlet	19/06/2017 16:30	272,300
SNK001	Wq-Ngukurr Pond 1 Inlet	19/07/2017 9:20	156,500
SNK001	Wq-Ngukurr Pond 1 Inlet	16/08/2017 9:30	206,400
SNK001	Wq-Ngukurr Pond 1 Inlet	20/09/2017 8:40	105,000
SNK001	Wq-Ngukurr Pond 1 Inlet	18/10/2017 7:15	241,960
SNK001	Wq-Ngukurr Pond 1 Inlet	22/11/2017 7:40	155,310
SNK001	Wq-Ngukurr Pond 1 Inlet	20/12/2017 7:30	173,290
SNK001	Wq-Ngukurr Pond 1 Inlet	17/01/2018 7:10	161,600
SNK001	Wq-Ngukurr Pond 1 Inlet	21/02/2018 9:00	235,900
SNK001	Wq-Ngukurr Pond 1 Inlet	21/03/2018 7:15	67,700
SNK001	Wq-Ngukurr Pond 1 Inlet	18/04/2018 7:30	122,000
SNK001	Wq-Ngukurr Pond 1 Inlet	16/05/2018 7:10	88,200
SNK001	Wq-Ngukurr Pond 1 Inlet	20/06/2018 7:00	517,200
SNK001	Wq-Ngukurr Pond 1 Inlet	18/07/2018 7:15	488,400
Mean			356,739
Median			193,500
SNK002	Wq-Ngukurr Pond 2 Inlet	14/08/2012 7:30	770,100
SNK002	Wq-Ngukurr Pond 2 Inlet	11/09/2012 7:15	57,300
SNK002	Wq-Ngukurr Pond 2 Inlet	16/10/2012 7:45	71,200
SNK002	Wq-Ngukurr Pond 2 Inlet	20/11/2012 7:15	33,100
SNK002	Wq-Ngukurr Pond 2 Inlet	18/12/2012 7:05	93,300
SNK002	Wq-Ngukurr Pond 2 Inlet	15/01/2013 7:15	29,090
SNK002	Wq-Ngukurr Pond 2 Inlet	19/02/2013 7:00	325,500
SNK002	Wq-Ngukurr Pond 2 Inlet	19/03/2013 7:00	58,300
SNK002	Wq-Ngukurr Pond 2 Inlet	16/04/2013 7:10	173,290
SNK002	Wq-Ngukurr Pond 2 Inlet	14/05/2013 7:20	66,300
SNK002	Wq-Ngukurr Pond 2 Inlet	18/06/2013 7:00	241,960
SNK002	Wq-Ngukurr Pond 2 Inlet	16/07/2013 7:20	290,900
SNK002	Wq-Ngukurr Pond 2 Inlet	20/08/2013 7:00	83,900
SNK002	Wq-Ngukurr Pond 2 Inlet	17/09/2013 7:00	85,700
SNK002	Wq-Ngukurr Pond 2 Inlet	15/10/2013 7:00	37,300
SNK002	Wq-Ngukurr Pond 2 Inlet	19/11/2013 7:00	51,720
SNK002	Wq-Ngukurr Pond 2 Inlet	17/12/2013 7:10	46,110
SNK002	Wq-Ngukurr Pond 2 Inlet	21/01/2014 7:30	48,840
SNK002	Wq-Ngukurr Pond 2 Inlet	18/02/2014 5:45	92,080
SNK002	Wq-Ngukurr Pond 2 Inlet	18/03/2014 6:00	9,870
SNK002	Wq-Ngukurr Pond 2 Inlet	15/04/2014 7:00	46,110
SNK002	Wq-Ngukurr Pond 2 Inlet	20/05/2014 7:00	68,670
SNK002	Wq-Ngukurr Pond 2 Inlet	17/06/2014 6:30	325,500
SNK002	Wq-Ngukurr Pond 2 Inlet	17/07/2014 7:00	241,961
SNK002	Wq-Ngukurr Pond 2 Inlet	19/08/2014 7:15	26,030
SNK002	Wq-Ngukurr Pond 2 Inlet	16/09/2014 7:00	186,000
SNK002	Wq-Ngukurr Pond 2 Inlet	20/10/2014 18:00	21,100
SNK002	Wq-Ngukurr Pond 2 Inlet	17/11/2014 18:30	60,200
SNK002	Wq-Ngukurr Pond 2 Inlet	15/12/2014 17:30	13,340
SNK002	Wq-Ngukurr Pond 2 Inlet	19/01/2015 17:30	81,640
SNK002	Wq-Ngukurr Pond 2 Inlet	16/02/2015 17:00	198,630

SNK002	Wq-Ngukurr Pond 2 Inlet	16/03/2015 17:00	178,900
SNK002	Wq-Ngukurr Pond 2 Inlet	20/04/2015 17:00	83,300
SNK002	Wq-Ngukurr Pond 2 Inlet	19/05/2015 11:20	307,600
SNK002	Wq-Ngukurr Pond 2 Inlet	16/06/2015 5:40	43,500
SNK002	Wq-Ngukurr Pond 2 Inlet	20/07/2015 17:30	24,100
SNK002	Wq-Ngukurr Pond 2 Inlet	17/08/2015 17:25	7,400
SNK002	Wq-Ngukurr Pond 2 Inlet	14/09/2015 17:10	4,100
SNK002	Wq-Ngukurr Pond 2 Inlet	20/10/2015 7:00	86,640
SNK002	Wq-Ngukurr Pond 2 Inlet	17/11/2015 6:50	24,810
SNK002	Wq-Ngukurr Pond 2 Inlet	15/12/2015 7:00	198,630
SNK002	Wq-Ngukurr Pond 2 Inlet	19/01/2016 7:00	36,540
SNK002	Wq-Ngukurr Pond 2 Inlet	16/02/2016 6:55	71,200
SNK002	Wq-Ngukurr Pond 2 Inlet	1/03/2016 14:00	500
SNK002	Wq-Ngukurr Pond 2 Inlet	14/03/2016 18:00	26,130
SNK002	Wq-Ngukurr Pond 2 Inlet	19/04/2016 7:00	29,090
SNK002	Wq-Ngukurr Pond 2 Inlet	17/05/2016 7:15	191,800
SNK002	Wq-Ngukurr Pond 2 Inlet	21/06/2016 7:20	261,300
SNK002	Wq-Ngukurr Pond 2 Inlet	19/07/2016 7:00	127,400
SNK002	Wq-Ngukurr Pond 2 Inlet	16/08/2016 7:15	83,600
SNK002	Wq-Ngukurr Pond 2 Inlet	20/09/2016 6:30	114,500
SNK002	Wq-Ngukurr Pond 2 Inlet	18/10/2016 7:00	30,760
SNK002	Wq-Ngukurr Pond 2 Inlet	14/11/2016 16:00	13,400
SNK002	Wq-Ngukurr Pond 2 Inlet	20/12/2016 7:45	25,600
SNK002	Wq-Ngukurr Pond 2 Inlet	17/01/2017 7:30	1,450
SNK002	Wq-Ngukurr Pond 2 Inlet	21/02/2017 7:15	72,700
SNK002	Wq-Ngukurr Pond 2 Inlet	21/03/2017 6:40	2,660
SNK002	Wq-Ngukurr Pond 2 Inlet	18/04/2017 7:30	92,080
SNK002	Wq-Ngukurr Pond 2 Inlet	16/05/2017 7:00	115,300
SNK002	Wq-Ngukurr Pond 2 Inlet	19/06/2017 16:30	241,961
SNK002	Wq-Ngukurr Pond 2 Inlet	19/07/2017 9:20	86,640
SNK002	Wq-Ngukurr Pond 2 Inlet	16/08/2017 9:30	111,990
SNK002	Wq-Ngukurr Pond 2 Inlet	20/09/2017 8:45	9,700
SNK002	Wq-Ngukurr Pond 2 Inlet	18/10/2017 7:15	54,750
SNK002	Wq-Ngukurr Pond 2 Inlet	22/11/2017 7:40	3,640
SNK002	Wq-Ngukurr Pond 2 Inlet	20/12/2017 7:30	23,820
SNK002	Wq-Ngukurr Pond 2 Inlet	17/01/2018 7:10	120,330
SNK002	Wq-Ngukurr Pond 2 Inlet	21/02/2018 9:00	18,700
SNK002	Wq-Ngukurr Pond 2 Inlet	21/03/2018 7:15	45,000
SNK002	Wq-Ngukurr Pond 2 Inlet	18/04/2018 7:30	172,200
SNK002	Wq-Ngukurr Pond 2 Inlet	16/05/2018 7:10	92,080
SNK002	Wq-Ngukurr Pond 2 Inlet	20/06/2018 7:00	241,961
SNK002	Wq-Ngukurr Pond 2 Inlet	18/07/2018 7:15	241,961

SNK005	Wq-Ngukurr Pond 5 Inlet	14/08/2012 7:30	2,224
SNK005	Wq-Ngukurr Pond 5 Inlet	11/09/2012 7:15	5
SNK005	Wq-Ngukurr Pond 5 Inlet	16/10/2012 7:50	121
SNK005	Wq-Ngukurr Pond 5 Inlet	20/11/2012 7:30	1,119
SNK005	Wq-Ngukurr Pond 5 Inlet	18/12/2012 7:15	5,172
SNK005	Wq-Ngukurr Pond 5 Inlet	15/01/2013 7:15	63
SNK005	Wq-Ngukurr Pond 5 Inlet	19/02/2013 7:00	246

SNK005	Wq-Ngukurr Pond 5 Inlet	19/03/2013 7:00	317
SNK005	Wq-Ngukurr Pond 5 Inlet	16/04/2013 7:25	85
SNK005	Wq-Ngukurr Pond 5 Inlet	14/05/2013 7:25	173
SNK005	Wq-Ngukurr Pond 5 Inlet	18/06/2013 7:00	109
SNK005	Wq-Ngukurr Pond 5 Inlet	16/07/2013 7:20	383
SNK005	Wq-Ngukurr Pond 5 Inlet	20/08/2013 7:00	266
SNK005	Wq-Ngukurr Pond 5 Inlet	17/09/2013 7:00	231
SNK005	Wq-Ngukurr Pond 5 Inlet	15/10/2013 7:00	5
SNK005	Wq-Ngukurr Pond 5 Inlet	19/11/2013 7:00	670
SNK005	Wq-Ngukurr Pond 5 Inlet	17/12/2013 7:15	211
SNK005	Wq-Ngukurr Pond 5 Inlet	21/01/2014 7:30	384
SNK005	Wq-Ngukurr Pond 5 Inlet	18/02/2014 5:45	9,804
SNK005	Wq-Ngukurr Pond 5 Inlet	18/03/2014 6:00	2,750
SNK005	Wq-Ngukurr Pond 5 Inlet	15/04/2014 7:00	546
SNK005	Wq-Ngukurr Pond 5 Inlet	20/05/2014 7:00	1,892
SNK005	Wq-Ngukurr Pond 5 Inlet	17/06/2014 6:30	5,380
SNK005	Wq-Ngukurr Pond 5 Inlet	17/07/2014 7:00	6,867
SNK005	Wq-Ngukurr Pond 5 Inlet	19/08/2014 7:15	12,033
SNK005	Wq-Ngukurr Pond 5 Inlet	16/09/2014 7:00	9,590
SNK005	Wq-Ngukurr Pond 5 Inlet	20/10/2014 18:00	1,153
SNK005	Wq-Ngukurr Pond 5 Inlet	17/11/2014 18:30	3,930
SNK005	Wq-Ngukurr Pond 5 Inlet	15/12/2014 17:30	10
SNK005	Wq-Ngukurr Pond 5 Inlet	19/01/2015 17:30	3,877
SNK005	Wq-Ngukurr Pond 5 Inlet	16/02/2015 17:00	128
SNK005	Wq-Ngukurr Pond 5 Inlet	16/03/2015 17:00	355
SNK005	Wq-Ngukurr Pond 5 Inlet	20/04/2015 17:00	1,081
SNK005	Wq-Ngukurr Pond 5 Inlet	19/05/2015 11:30	1,989
SNK005	Wq-Ngukurr Pond 5 Inlet	16/06/2015 5:50	15,531
SNK005	Wq-Ngukurr Pond 5 Inlet	20/07/2015 17:30	1,810
SNK005	Wq-Ngukurr Pond 5 Inlet	17/08/2015 17:35	256
SNK005	Wq-Ngukurr Pond 5 Inlet	14/09/2015 17:20	538
SNK005	Wq-Ngukurr Pond 5 Inlet	20/10/2015 6:45	816
SNK005	Wq-Ngukurr Pond 5 Inlet	17/11/2015 6:50	4,884
SNK005	Wq-Ngukurr Pond 5 Inlet	15/12/2015 7:00	3,090
SNK005	Wq-Ngukurr Pond 5 Inlet	19/01/2016 7:00	520
SNK005	Wq-Ngukurr Pond 5 Inlet	16/02/2016 7:05	2,430
SNK005	Wq-Ngukurr Pond 5 Inlet	14/03/2016 18:00	100
SNK005	Wq-Ngukurr Pond 5 Inlet	19/04/2016 7:00	63
SNK005	Wq-Ngukurr Pond 5 Inlet	17/05/2016 7:15	86
SNK005	Wq-Ngukurr Pond 5 Inlet	21/06/2016 7:20	884
SNK005	Wq-Ngukurr Pond 5 Inlet	19/07/2016 7:00	630
SNK005	Wq-Ngukurr Pond 5 Inlet	16/08/2016 7:15	552
SNK005	Wq-Ngukurr Pond 5 Inlet	20/09/2016 6:30	4,106
SNK005	Wq-Ngukurr Pond 5 Inlet	18/10/2016 7:00	733
SNK005	Wq-Ngukurr Pond 5 Inlet	14/11/2016 16:00	410
SNK005	Wq-Ngukurr Pond 5 Inlet	20/12/2016 7:30	1,722
SNK005	Wq-Ngukurr Pond 5 Inlet	17/01/2017 7:30	118
SNK005	Wq-Ngukurr Pond 5 Inlet	21/02/2017 7:15	836
SNK005	Wq-Ngukurr Pond 5 Inlet	21/03/2017 6:30	168
SNK005	Wq-Ngukurr Pond 5 Inlet	18/04/2017 7:30	359

SNK005	Wq-Ngukurr Pond 5 Inlet	16/05/2017 7:00	355
SNK005	Wq-Ngukurr Pond 5 Inlet	19/06/2017 16:30	750
SNK005	Wq-Ngukurr Pond 5 Inlet	19/07/2017 9:20	2,142
SNK005	Wq-Ngukurr Pond 5 Inlet	16/08/2017 9:30	1,726
SNK005	Wq-Ngukurr Pond 5 Inlet	20/09/2017 8:55	146
SNK005	Wq-Ngukurr Pond 5 Inlet	18/10/2017 7:15	399
SNK005	Wq-Ngukurr Pond 5 Inlet	22/11/2017 7:40	310
SNK005	Wq-Ngukurr Pond 5 Inlet	20/12/2017 7:30	2,620
SNK005	Wq-Ngukurr Pond 5 Inlet	17/01/2018 7:10	1,785
SNK005	Wq-Ngukurr Pond 5 Inlet	21/02/2018 9:00	20
SNK005	Wq-Ngukurr Pond 5 Inlet	21/03/2018 7:15	30
SNK005	Wq-Ngukurr Pond 5 Inlet	18/04/2018 7:30	50
SNK005	Wq-Ngukurr Pond 5 Inlet	16/05/2018 7:10	100
SNK005	Wq-Ngukurr Pond 5 Inlet	20/06/2018 7:00	630
SNK005	Wq-Ngukurr Pond 5 Inlet	18/07/2018 7:15	323

SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/08/2012 7:30	1,376
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	11/09/2012 7:15	20
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/10/2012 7:55	41
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/11/2012 7:45	1,236
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/12/2012 7:25	2,613
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/01/2013 7:15	41
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/02/2013 7:00	187
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/03/2013 7:00	309
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/04/2013 7:30	96
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/05/2013 7:30	121
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/06/2013 7:00	173
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/07/2013 7:20	146
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/08/2013 7:00	213
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/09/2013 7:00	74
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/10/2013 7:00	5
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/11/2013 7:00	602
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/12/2013 7:20	158
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/01/2014 7:30	504
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/02/2014 5:45	9,208
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/03/2014 6:00	2,380
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/04/2014 7:00	1,086
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/05/2014 7:00	1,036
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/06/2014 6:30	16,240
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/07/2014 7:00	6,488
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/08/2014 7:15	6,867
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/09/2014 7:00	6,200
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/10/2014 18:00	1,565
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/11/2014 18:30	1,870
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/12/2014 17:30	100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/01/2015 17:30	4,611
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/02/2015 17:00	95
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/03/2015 17:00	183
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/04/2015 17:00	909
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/05/2015 11:30	2,723

SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/06/2015 5:50	17,329
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/07/2015 17:30	528
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/08/2015 17:40	364
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/09/2015 17:30	620
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/10/2015 6:45	309
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/11/2015 6:50	4,106
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	15/12/2015 7:00	310
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/01/2016 7:00	315
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/02/2016 7:15	241
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	1/03/2016 14:00	85
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/03/2016 18:00	108
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/04/2016 7:00	52
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/05/2016 7:15	63
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/06/2016 7:20	464
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/07/2016 7:00	410
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/08/2016 7:15	388
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/09/2016 6:30	5,172
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/10/2016 7:00	620
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	14/11/2016 16:00	410
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/12/2016 7:30	2,142
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/01/2017 7:30	216
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/02/2017 7:15	771
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2017 6:20	132
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2017 7:30	410
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2017 7:00	243
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/06/2017 16:30	1,580
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	19/07/2017 9:20	1,112
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/08/2017 9:30	2,755
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/09/2017 9:10	148
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/10/2017 7:15	404
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/11/2017 7:40	850
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	23/11/2017 11:45	1,600
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/12/2017 7:30	3,270
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/01/2018 7:10	1,211
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/02/2018 9:00	75
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/03/2018 7:15	20
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/04/2018 7:30	50
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/05/2018 7:10	100
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/06/2018 7:00	520
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	18/07/2018 7:15	355
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	16/01/2019 8:20	740
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	17/07/2019 07:00:00	10
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/01/2020 07:00:00	441
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/04/2020 07:00:00	5
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	22/07/2020 06:50:00	74
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/10/2020 06:30:00	24,197
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	20/01/2021 07:20:00	6,630
SNK090	Wq-Snk090 Ngukurr Pond 5 Outlet	21/04/2021 07:00:00	480
No. of Samples			34
Mean			1,692

Median			426
Median Dry Season			407
Median Wet Season			410
95th Percentile			5,682
Log Reduction			2.3
Numbulwar			
SNU001	Wq-Numbulwar Pond 1 Inlet	29/07/2013 13:00	58,300
SNU002	Wq-Numbulwar Pond 2 Inlet	29/07/2013 13:20	10,460
SNU010	Wq-Numbulwar Pond 1 Outlet	29/07/2013 13:10	67,700
SNU010	Wq-Numbulwar Pond 1 Outlet	20/06/2018 11:30	60,150
SNU010	Wq-Numbulwar Pond 1 Outlet	20/05/2020 09:30:00	241,961
SNU010	Wq-Numbulwar Pond 1 Outlet	15/07/2020 09:00:00	241,960
SNU090	Wq-Numbulwar Pond 2 Outlet	29/07/2013 13:30	2,450
SNU090	Wq-Numbulwar Pond 2 Outlet	16/09/2015 11:25	51,720
SNU090	Wq-Numbulwar Pond 2 Outlet	1/03/2016 13:00	50
SNU090	Wq-Numbulwar Pond 2 Outlet	12/07/2016 6:30	5,040
SNU090	Wq-Numbulwar Pond 2 Outlet	10/01/2017 7:00	4,350
SNU090	Wq-Numbulwar Pond 2 Outlet	12/07/2017 8:20	2,850
SNU090	Wq-Numbulwar Pond 2 Outlet	10/01/2018 8:30	141,360
SNU090	Wq-Numbulwar Pond 2 Outlet	20/06/2018 11:30	65,860
SNU090	Wq-Numbulwar Pond 2 Outlet	25/07/2018 9:30	77,010
SNU090	Wq-Numbulwar Pond 2 Outlet	9/01/2019 8:50	86,640
SNU090	Wq-Numbulwar Pond 2 Outlet	10/07/2019 11:00:00	3,500
SNU090	Wq-Numbulwar Pond 2 Outlet	09/10/2019 09:00:00	11,370
SNU090	Wq-Numbulwar Pond 2 Outlet	15/01/2020 10:10:00	7,170
SNU090	Wq-Numbulwar Pond 2 Outlet	15/04/2020 08:45:00	17,230
SNU010	Wq-Numbulwar Pond 1 Outlet	20/05/2020 09:30:00	241,961
SNU010	Wq-Numbulwar Pond 1 Outlet	15/07/2020 09:00:00	241,961
SNU090	Wq-Numbulwar Pond 2 Outlet	09/09/2020 09:40:00	241,961
SNU010	Wq-Numbulwar Pond 1 Outlet	11/11/2020 09:05:00	241,961
SNU010	Wq-Numbulwar Pond 1 Outlet	13/01/2021 11:00:00	13,200
SNU010	Wq-Numbulwar Pond 1 Outlet	17/02/2021 10:10:00	141,360.0
SNU010	Wq-Numbulwar Pond 1 Outlet	14/04/2021 10:00:00	241,961
SNU090	Wq-Numbulwar Pond 2 Outlet	09/06/2021 10:05:00	10,800
No. of Samples			20
Mean			89,880
Median			41,545
95th Percentile			241,961
Median Dry Season			51,720
Median Wet Season			51,935
Oenpelli			
SOE001	WQ-Oenpelli Pond 1 Inlet	11/08/2020 11:15:00	613,100
SOE001	WQ-Oenpelli Pond 1 Inlet	08/09/2020 12:30:00	579,400
SOE001	WQ-Oenpelli Pond 1 Inlet	13/10/2020 10:30:00	1,119,900
SOE001	WQ-Oenpelli Pond 1 Inlet	10/11/2020 09:30:00	1,986,300
SOE001	WQ-Oenpelli Pond 1 Inlet	08/12/2020 11:15:00	650,000

SOE001	WQ-Oenpelli Pond 1 Inlet	12/01/2021 07:45:00	738,000
SOE001	WQ-Oenpelli Pond 1 Inlet	02/02/2021 09:30:00	387,300
SOE001	WQ-Oenpelli Pond 1 Inlet	09/03/2021 08:03:00	461,100
SOE001	WQ-Oenpelli Pond 1 Inlet	13/04/2021 10:00:00	121,100
SOE001	WQ-Oenpelli Pond 1 Inlet	11/05/2021 08:15:00	579,400
SOE001	WQ-Oenpelli Pond 1 Inlet	08/06/2021 08:28:00	1,299,700
Mean			775,936
Median			613,100
SOE002	WQ-Oenpelli Pond 2 Inlet	11/08/2020 11:30:00	241,961
SOE002	WQ-Oenpelli Pond 2 Inlet	08/09/2020 12:30:00	34,480
SOE002	WQ-Oenpelli Pond 2 Inlet	13/10/2020 10:35:00	120,330
SOE002	WQ-Oenpelli Pond 2 Inlet	10/11/2020 09:30:00	241,960
SOE002	WQ-Oenpelli Pond 2 Inlet	08/12/2020 11:05:00	235,900
SOE002	WQ-Oenpelli Pond 2 Inlet	12/01/2021 07:40:00	461,100
SOE002	WQ-Oenpelli Pond 2 Inlet	02/02/2021 09:40:00	241,961
SOE002	WQ-Oenpelli Pond 2 Inlet	09/03/2021 07:44:00	150,000
SOE002	WQ-Oenpelli Pond 2 Inlet	13/04/2021 10:10:00	113,700
SOE002	WQ-Oenpelli Pond 2 Inlet	11/05/2021 08:10:00	117,800
SOE002	WQ-Oenpelli Pond 2 Inlet	08/06/2021 08:19:00	41,400
Mean			181,872
Median			150,000
SOE090	Wq-Oenpelli Pond 3 Outlet	2/03/2016 7:30	5,940
SOE090	Wq-Oenpelli Pond 3 Outlet	12/07/2016 10:30	9,590
SOE090	Wq-Oenpelli Pond 3 Outlet	10/01/2017 10:47	11,120
SOE090	Wq-Oenpelli Pond 3 Outlet	11/07/2017 12:00	46,110
SOE090	Wq-Oenpelli Pond 3 Outlet	9/01/2018 11:00	21,430
SOE090	Wq-Oenpelli Pond 3 Outlet	15/05/2018 11:20	14,670
SOE090	Wq-Oenpelli Pond 3 Outlet	8/01/2019 11:55	57,940
SOE090	Wq-Oenpelli Pond 3 Outlet	09/07/2019 11:50:00	11,370
SOE090	Wq-Oenpelli Pond 3 Outlet	15/10/2019 11:10:00	11,000
SOE090	Wq-Oenpelli Pond 3 Outlet	21/01/2020 09:15:00	104,620
SOE090	Wq-Oenpelli Pond 3 Outlet	21/04/2020 10:45:00	61,310
SOE090	Wq-Oenpelli Pond 3 Outlet	14/07/2020 09:55:00	54,750
SOE090	Wq-Oenpelli Pond 3 Outlet	11/08/2020 11:45:00	241,960
SOE090	Wq-Oenpelli Pond 3 Outlet	08/09/2020 12:50:00	9,090
SOE090	Wq-Oenpelli Pond 3 Outlet	13/10/2020 10:45:00	7,760
SOE090	Wq-Oenpelli Pond 3 Outlet	10/11/2020 09:30:00	46,110
SOE090	Wq-Oenpelli Pond 3 Outlet	08/12/2020 11:05:00	26,130
SOE090	Wq-Oenpelli Pond 3 Outlet	12/01/2021 07:43:00	24,197
SOE090	Wq-Oenpelli Pond 3 Outlet	02/02/2021 09:48:00	24,197
SOE090	Wq-Oenpelli Pond 3 Outlet	09/03/2021 07:55:00	12,360
SOE090	Wq-Oenpelli Pond 3 Outlet	13/04/2021 10:15:00	64,880
SOE090	Wq-Oenpelli Pond 3 Outlet	11/05/2021 08:20:00	2,060
SOE090	Wq-Oenpelli Pond 3 Outlet	08/06/2021 08:24:00	7,170
No. of Samples			23
Mean			38,077
Median			21,430
95th Percentile			100,646
Median Dry Season			11,000
Median Wet Season			25,164

Log Reduction			1.3
Palumpa			
SPA090	Wq-Palumpa Pond 2 Outlet	16/03/2016 11:45	6,867
SPA090	Wq-Palumpa Pond 2 Outlet	20/07/2016 11:00	54,750
SPA090	Wq-Palumpa Pond 2 Outlet	22/02/2017 11:10	41,060
SPA002	Wq-Palumpa Pond 2 Inlet	18/07/2017 8:30	241,961
SPA090	Wq-Palumpa Pond 2 Outlet	23/08/2017 12:40	38,730
SPA090	Wq-Palumpa Pond 2 Outlet	16/01/2018 12:15	26,130
SPA090	Wq-Palumpa Pond 2 Outlet	17/07/2018 13:00	30,760
SPA090	Wq-Palumpa Pond 2 Outlet	15/01/2019 9:00	46,110
SPA090	Wq-Palumpa Pond 2 Outlet	16/07/2019 10:15:00	7,270
SPA090	Wq-Palumpa Pond 2 Outlet	15/10/2019 10:00:00	32,550
SPA090	Wq-Palumpa Pond 2 Outlet	21/01/2020 11:45:00	41,060
SPA090	Wq-Palumpa Pond 2 Outlet	19/05/2020 10:05:00	98,040
SPA090	Wq-Palumpa Pond 2 Outlet	21/07/2020 10:28:00	173,290
SPA090	Wq-Palumpa Pond 2 Outlet	20/10/2020 09:31:00	92,080
SPA090	Wq-Palumpa Pond 2 Outlet	19/01/2021 09:30:00	34,480.0
SPA090	Wq-Palumpa Pond 2 Outlet	20/04/2021 09:30:00	8,820
SPA090	Wq-Palumpa Pond 2 Outlet	18/05/2021 09:30:00	34,480
No. of Samples			17
Mean			59,320
Median			38,730
95th percentile			187,024
Median Dry Season			46,740
Median Wet Season			37,770
Peppimenarti			
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/03/2016 11:15	231
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/07/2016 11:25	2,650
SPE090	Wq-Peppimenarti Pond 3 Outlet	18/01/2017 11:15	970
SPE090	Wq-Peppimenarti Pond 3 Outlet	18/07/2017 10:45	750
SPE090	Wq-Peppimenarti Pond 3 Outlet	23/08/2017 10:05	2,590
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/01/2018 10:00	50
SPE090	Wq-Peppimenarti Pond 3 Outlet	17/07/2018 10:30	98
SPE090	Wq-Peppimenarti Pond 3 Outlet	15/01/2019 10:00	520
SPE090	Wq-Peppimenarti Pond 3 Outlet	16/07/2019 09:00:00	20
SPE090	Wq-Peppimenarti Pond 3 Outlet	15/10/2019 06:38:20	50
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/01/2020 09:00:00	1,070
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/04/2020 11:00:00	50
SPE090	Wq-Peppimenarti Pond 3 Outlet	21/07/2020 09:00:00	197
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/10/2020 10:00:00	10
SPE090	Wq-Peppimenarti Pond 3 Outlet	19/01/2021 10:00:00	50
SPE090	Wq-Peppimenarti Pond 3 Outlet	20/04/2021 09:00:00	50
No. of Samples			16
Mean			585
Median			148
95th percentile			2,605
Median Dry Season			148
Median Wet Season			141
Pirlangimpi			

SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	6/08/2018 15:15	75,900
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	4/09/2018 7:00	13,500
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	2/10/2018 7:00	141,360
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	7/11/2018 7:00	579,400
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	4/12/2018 6:10	12,200
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	5/02/2019 6:30	1,732,900
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	5/03/2019 6:00	717,000
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	2/04/2019 6:30	1,413,600
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	7/05/2019 6:00	1,299,700
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	4/06/2019 7:00	248,100
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	02/07/2019 07:05:00	461,100
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	06/08/2019 13:35:00	53,700
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/09/2019 13:20:00	161,000
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	01/10/2019 07:00:00	579,400
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	05/11/2019 07:00:00	387,300
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/12/2019 05:00:00	613,100
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	07/01/2020 06:30:00	259,500
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	04/02/2020 06:30:00	727,000
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/03/2020 06:15:00	1,203,300
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	07/04/2020 07:00:00	770,100
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	05/05/2020 07:15:00	920,800
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	02/06/2020 06:05:00	387,300
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	07/07/2020 07:10:00	55,600
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	04/08/2020 06:05:00	547,500
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	01/09/2020 06:00:00	6,300
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	06/10/2020 05:05:00	1,203,300
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	03/11/2020 05:00:00	920,800
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	01/12/2020 08:00:00	365,400
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	05/01/2021 07:40:00	686,700
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	02/02/2021 08:31:00	496,000
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	02/03/2021 06:00:00	556,000.0
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	06/04/2021 07:20:00	241,961
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	04/05/2021 05:15:00	2,419,601
SPI001	Wq-Spi001 Pirlangimpi Pond 1 Inlet	01/06/2021 05:10:00	539,000
Mean			611,630
Median			543,250
SPI002	Wq-Pirlangimpi Pond 2 Inlet	6/08/2018 15:15	3,590
SPI002	Wq-Pirlangimpi Pond 2 Inlet	4/09/2018 7:00	36,540
SPI002	Wq-Pirlangimpi Pond 2 Inlet	2/10/2018 7:00	68,670
SPI002	Wq-Pirlangimpi Pond 2 Inlet	7/11/2018 7:00	48,840
SPI002	Wq-Pirlangimpi Pond 2 Inlet	4/12/2018 6:20	17,220
SPI002	Wq-Pirlangimpi Pond 2 Inlet	5/02/2019 6:35	15,150
SPI002	Wq-Pirlangimpi Pond 2 Inlet	5/03/2019 6:10	54,750
SPI002	Wq-Pirlangimpi Pond 2 Inlet	2/04/2019 6:35	9,590
SPI002	Wq-Pirlangimpi Pond 2 Inlet	7/05/2019 6:30	72,700
SPI002	Wq-Pirlangimpi Pond 2 Inlet	4/06/2019 7:10	54,750
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/07/2019 07:10:00	241,960
SPI002	Wq-Pirlangimpi Pond 2 Inlet	06/08/2019 13:35:00	49,600
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/09/2019 13:20:00	41,060
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/10/2019 07:05:00	241,960

SPI002	Wq-Pirlangimpi Pond 2 Inlet	05/11/2019 07:10:00	41,060
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/12/2019 05:15:00	51,720
SPI002	Wq-Pirlangimpi Pond 2 Inlet	07/01/2020 06:30:00	43,520
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/02/2020 06:30:00	98,040
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/03/2020 06:45:00	241,961
SPI002	Wq-Pirlangimpi Pond 2 Inlet	07/04/2020 07:00:00	141,360
SPI002	Wq-Pirlangimpi Pond 2 Inlet	05/05/2020 07:25:00	173,290
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/06/2020 06:15:00	64,880
SPI002	Wq-Pirlangimpi Pond 2 Inlet	07/07/2020 07:20:00	64,880
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/08/2020 06:15:00	5,290
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/09/2020 06:20:00	32,550
SPI002	Wq-Pirlangimpi Pond 2 Inlet	06/10/2020 05:20:00	61,310
SPI002	Wq-Pirlangimpi Pond 2 Inlet	03/11/2020 05:15:00	104,620
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/12/2020 08:10:00	81,640
SPI002	Wq-Pirlangimpi Pond 2 Inlet	05/01/2021 07:42:00	155,310
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/02/2021 08:37:00	155,310
SPI002	Wq-Pirlangimpi Pond 2 Inlet	02/03/2021 06:20:00	241,961
SPI002	Wq-Pirlangimpi Pond 2 Inlet	06/04/2021 07:25:00	290,900
SPI002	Wq-Pirlangimpi Pond 2 Inlet	04/05/2021 05:30:00	290,900
SPI002	Wq-Pirlangimpi Pond 2 Inlet	01/06/2021 05:30:00	52,000
Mean			98,497
Median			63,095
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/03/2016 11:15	510
SPI090	Wq-Pirlangimpi Pond 2 Outlet	6/07/2016 8:36	48,840
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/01/2017 11:55	6,300
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/07/2017 6:50	7,120
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/01/2018 7:15	2,850
SPI090	Wq-Pirlangimpi Pond 2 Outlet	3/07/2018 5:00	8,600
SPI090	Wq-Pirlangimpi Pond 2 Outlet	6/08/2018 15:15	14,390
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/09/2018 7:00	860
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/10/2018 7:00	288
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/11/2018 7:00	100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/12/2018 6:00	36,540
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/01/2019 7:35	2,920
SPI090	Wq-Pirlangimpi Pond 2 Outlet	5/02/2019 6:40	10,390
SPI090	Wq-Pirlangimpi Pond 2 Outlet	5/03/2019 6:15	1,460
SPI090	Wq-Pirlangimpi Pond 2 Outlet	2/04/2019 6:45	3,410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	7/05/2019 7:00	1,100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	4/06/2019 7:15	22,240
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/07/2019 07:25:00	11,060
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/08/2019 13:35:00	11,450
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/09/2019 13:20:00	200
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/10/2019 07:15:00	410
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/11/2019 07:20:00	6,130
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/12/2019 05:30:00	1,580
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/01/2020 06:30:00	3,590
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/02/2020 06:30:00	10,390
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/03/2020 07:00:00	30,440
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/04/2020 07:00:00	14,500
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/05/2020 07:35:00	101,700

SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/06/2020 06:25:00	2,010
SPI090	Wq-Pirlangimpi Pond 2 Outlet	07/07/2020 07:30:00	54,750
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/08/2020 06:30:00	16,070
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/09/2020 06:45:00	3,680
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/10/2020 05:40:00	1,610
SPI090	Wq-Pirlangimpi Pond 2 Outlet	03/11/2020 05:30:00	7,380
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/12/2020 08:30:00	5,560
SPI090	Wq-Pirlangimpi Pond 2 Outlet	05/01/2021 07:44:00	43,520
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/02/2021 08:45:00	29,870
SPI090	Wq-Pirlangimpi Pond 2 Outlet	02/03/2021 06:40:00	241,961
SPI090	Wq-Pirlangimpi Pond 2 Outlet	06/04/2021 07:35:00	16,100
SPI090	Wq-Pirlangimpi Pond 2 Outlet	04/05/2021 05:35:00	8,840
SPI090	Wq-Pirlangimpi Pond 2 Outlet	01/06/2021 05:50:00	29,870
No. of Samples			41
Mean			20,014
Median			7,380
Median Dry Season			8,720
Median Wet Season			6,300
95th percentile			54,750
Log Reduction			1.5
Ramingining			
SRA001	Wq-Ramingining Pond 1 Inlet	14/08/2018 9:20	663,000
SRA001	Wq-Ramingining Pond 1 Inlet	18/09/2018 9:00	461,100
SRA001	Wq-Ramingining Pond 1 Inlet	9/10/2018 8:50	299,000
SRA001	Wq-Ramingining Pond 1 Inlet	13/11/2018 8:50	243,000
SRA001	Wq-Ramingining Pond 1 Inlet	11/12/2018 8:10	344,800
SRA001	Wq-Ramingining Pond 1 Inlet	8/01/2019 9:00	228,000
SRA001	Wq-Ramingining Pond 1 Inlet	19/02/2019 9:00	151,500
SRA001	Wq-Ramingining Pond 1 Inlet	12/03/2019 9:00	328,200
SRA001	Wq-Ramingining Pond 1 Inlet	9/04/2019 9:30	387,300
SRA001	Wq-Ramingining Pond 1 Inlet	14/05/2019 9:30	410,600
SRA001	Wq-Ramingining Pond 1 Inlet	11/08/2020 09:15:00	2,419,601
SRA001	Wq-Ramingining Pond 1 Inlet	29/09/2020 07:00:00	1,223,000
SRA001	Wq-Ramingining Pond 1 Inlet	10/11/2020 09:30:00	71,700
SRA001	Wq-Ramingining Pond 1 Inlet	17/11/2020 09:00:00	50,400
SRA001	Wq-Ramingining Pond 1 Inlet	08/12/2020 09:00:00	500
SRA001	Wq-Ramingining Pond 1 Inlet	12/01/2021 07:30:00	2,110
SRA001	Wq-Ramingining Pond 1 Inlet	09/03/2021 10:00:00	100
SRA001	Wq-Ramingining Pond 1 Inlet	17/03/2021 09:00:00	1,000
SRA001	Wq-Ramingining Pond 1 Inlet	13/04/2021 07:00:00	50
Mean			214,256
Median			235,500
95th Percentile			501,480
SRA002	Wq-Ramingining Pond 2 Inlet	14/08/2018 9:15	17,220
SRA002	Wq-Ramingining Pond 2 Inlet	18/09/2018 9:00	17,230
SRA002	Wq-Ramingining Pond 2 Inlet	9/10/2018 8:50	22,800
SRA002	Wq-Ramingining Pond 2 Inlet	13/11/2018 8:50	43,520
SRA002	Wq-Ramingining Pond 2 Inlet	11/12/2018 8:10	43,520
SRA002	Wq-Ramingining Pond 2 Inlet	8/01/2019 9:00	27,550

SRA002	Wq-Ramingining Pond 2 Inlet	19/02/2019 9:00	30,760
SRA002	Wq-Ramingining Pond 2 Inlet	12/03/2019 9:00	23,820
SRA002	Wq-Ramingining Pond 2 Inlet	9/04/2019 9:30	13,100
SRA002	Wq-Ramingining Pond 2 Inlet	14/05/2019 9:30	15,800
SRA002	Wq-Ramingining Pond 2 Inlet	11/06/2019 10:00:00	198,630
SRA002	Wq-Ramingining Pond 2 Inlet	09/07/2019 09:30:00	241,960
SRA002	Wq-Ramingining Pond 2 Inlet	20/08/2019 08:30:00	866,400
SRA002	Wq-Ramingining Pond 2 Inlet	10/09/2019 10:45:00	241,960
SRA002	Wq-Ramingining Pond 2 Inlet	08/10/2019 10:00:00	113,000
SRA002	Wq-Ramingining Pond 2 Inlet	12/11/2019 09:00:00	146,000
SRA002	Wq-Ramingining Pond 2 Inlet	10/12/2019 09:10:00	712,000
SRA002	Wq-Ramingining Pond 2 Inlet	21/01/2020 09:30:00	387,300
SRA002	Wq-Ramingining Pond 2 Inlet	11/02/2020 09:00:00	241,960
SRA002	Wq-Ramingining Pond 2 Inlet	10/03/2020 09:00:00	241,960
SRA002	Wq-Ramingining Pond 2 Inlet	14/04/2020 09:00:00	145,500
SRA002	Wq-Ramingining Pond 2 Inlet	12/05/2020 09:00:00	241,960
SRA002	Wq-Ramingining Pond 2 Inlet	09/06/2020 09:00:00	241,960
SRA002	Wq-Ramingining Pond 2 Inlet	14/07/2020 08:00:00	241,961
SRA002	Wq-Ramingining Pond 2 Inlet	11/08/2020 09:15:00	241,961
SRA002	Wq-Ramingining Pond 2 Inlet	29/09/2020 07:10:00	500
SRA002	Wq-Ramingining Pond 2 Inlet	10/11/2020 09:30:00	38,730.0
SRA002	Wq-Ramingining Pond 2 Inlet	17/11/2020 09:00:00	18,500
SRA002	Wq-Ramingining Pond 2 Inlet	08/12/2020 09:00:00	241,961
SRA002	Wq-Ramingining Pond 2 Inlet	12/01/2021 07:30:00	325,500
SRA002	Wq-Ramingining Pond 2 Inlet	09/03/2021 10:00:00	201,400
SRA002	Wq-Ramingining Pond 2 Inlet	17/03/2021 09:00:00	48,000
SRA002	Wq-Ramingining Pond 2 Inlet	13/04/2021 07:10:00	488,400
SRA002	Wq-Ramingining Pond 2 Inlet	11/05/2021 09:00:00	261,300
SRA002	Wq-Ramingining Pond 2 Inlet	08/06/2021 09:00:00	1,299,700
Mean			219,538
Median			198,630
95th Percentile			758,320
SRA090	Wq-Ramingining Pond 3 Outlet	8/03/2016 9:18	960
SRA090	Wq-Ramingining Pond 3 Outlet	12/07/2016 8:26	2,330
SRA090	Wq-Ramingining Pond 3 Outlet	10/01/2017 8:13	2,160
SRA090	Wq-Ramingining Pond 3 Outlet	11/07/2017 8:00	1,870
SRA090	Wq-Ramingining Pond 3 Outlet	9/01/2018 8:45	1,529
SRA090	Wq-Ramingining Pond 3 Outlet	7/08/2018 10:15	3,130
SRA090	Wq-Ramingining Pond 3 Outlet	14/08/2018 9:10	1,460
SRA090	Wq-Ramingining Pond 3 Outlet	18/09/2018 9:00	1,296
SRA090	Wq-Ramingining Pond 3 Outlet	9/10/2018 8:50	1,580
SRA090	Wq-Ramingining Pond 3 Outlet	13/11/2018 8:50	520
SRA090	Wq-Ramingining Pond 3 Outlet	11/12/2018 8:10	1,710
SRA090	Wq-Ramingining Pond 3 Outlet	8/01/2019 9:00	2,010
SRA090	Wq-Ramingining Pond 3 Outlet	19/02/2019 9:00	300
SRA090	Wq-Ramingining Pond 3 Outlet	12/03/2019 9:00	23,820
SRA090	Wq-Ramingining Pond 3 Outlet	9/04/2019 9:30	200
SRA090	Wq-Ramingining Pond 3 Outlet	3/05/2019 14:30	1,220
SRA090	Wq-Ramingining Pond 3 Outlet	14/05/2019 9:30	327
SRA090	Wq-Ramingining Pond 3 Outlet	11/06/2019 10:00:00	23,590

SRA090	Wq-Ramingining Pond 3 Outlet	09/07/2019 09:30:00	57,940
SRA090	Wq-Ramingining Pond 3 Outlet	20/08/2019 08:30:00	120,330
SRA090	Wq-Ramingining Pond 3 Outlet	10/09/2019 10:45:00	77,010
SRA090	Wq-Ramingining Pond 3 Outlet	08/10/2019 10:00:00	57,940
SRA090	Wq-Ramingining Pond 3 Outlet	12/11/2019 09:00:00	17,890
SRA090	Wq-Ramingining Pond 3 Outlet	10/12/2019 09:20:00	24,810
SRA090	Wq-Ramingining Pond 3 Outlet	21/01/2020 09:30:00	14,390
SRA090	Wq-Ramingining Pond 3 Outlet	11/02/2020 09:00:00	14,670
SRA090	Wq-Ramingining Pond 3 Outlet	10/03/2020 09:00:00	77,010
SRA090	Wq-Ramingining Pond 3 Outlet	14/04/2020 09:00:00	120,330
SRA090	Wq-Ramingining Pond 3 Outlet	12/05/2020 09:00:00	6,020
SRA090	Wq-Ramingining Pond 3 Outlet	09/06/2020 09:10:00	72,700
SRA090	Wq-Ramingining Pond 3 Outlet	14/07/2020 08:00:00	129,970
SRA090	Wq-Ramingining Pond 3 Outlet	11/08/2020 09:15:00	4,500
SRA090	Wq-Ramingining Pond 3 Outlet	29/09/2020 07:20:00	5
SRA090	Wq-Ramingining Pond 3 Outlet	10/11/2020 09:30:00	46,110
SRA090	Wq-Ramingining Pond 3 Outlet	17/11/2020 09:00:00	19,350
SRA090	Wq-Ramingining Pond 3 Outlet	08/12/2020 09:00:00	104,620
SRA090	Wq-Ramingining Pond 3 Outlet	12/01/2021 07:30:00	14,500
SRA090	Wq-Ramingining Pond 3 Outlet	09/03/2021 10:00:00	54,750
SRA090	Wq-Ramingining Pond 3 Outlet	17/03/2021 09:00:00	36,540
SRA090	Wq-Ramingining Pond 3 Outlet	13/04/2021 07:20:00	26,030
SRA090	Wq-Ramingining Pond 3 Outlet	11/05/2021 09:00:00	43,520
SRA090	Wq-Ramingining Pond 3 Outlet	08/06/2021 09:00:00	81,600
No. of Samples			42
Mean			30,775
Median			14,585
Median Dry Season			5,260
Median Wet Season			16,280
95th percentile			119,545
Log Reduction			0.8
Wadeye			
SWA001	Wq-Wadeye Pond 1 Inlet	12/08/2020 07:30:00	906,000
SWA001	Wq-Wadeye Pond 1 Inlet	09/09/2020 08:10:00	1,785,000
SWA001	Wq-Wadeye Pond 1 Inlet	14/10/2020 08:30:00	1,658,000
SWA001	Wq-Wadeye Pond 1 Inlet	11/11/2020 08:20:00	1,723,000
SWA001	Wq-Wadeye Pond 1 Inlet	09/12/2020 08:30:00	1,145,000
SWA001	Wq-Wadeye Pond 1 Inlet	13/01/2021 08:15:00	1,467,000
SWA001	Wq-Wadeye Pond 1 Inlet	10/02/2021 08:30:00	14,800
SWA001	Wq-Wadeye Pond 1 Inlet	10/03/2021 07:30:00	2,419,601
SWA001	Wq-Wadeye Pond 1 Inlet	14/04/2021 08:00:00	1,918,000
SWA001	Wq-Wadeye Pond 1 Inlet	12/05/2021 08:10:00	3,448,000
SWA001	Wq-Wadeye Pond 1 Inlet	09/06/2021 08:00:00	135,000
Mean			1,510,855
Median			1,658,000
SWA002	Wq-Wadeye Pond 2 Inlet	12/08/2020 07:40:00	21,800
SWA002	Wq-Wadeye Pond 2 Inlet	09/09/2020 08:20:00	28,500
SWA002	Wq-Wadeye Pond 2 Inlet	14/10/2020 08:40:00	12,590
SWA002	Wq-Wadeye Pond 2 Inlet	11/11/2020 08:30:00	6,910

SWA002	Wq-Wadeye Pond 2 Inlet	09/12/2020 08:40:00	4,870
SWA002	Wq-Wadeye Pond 2 Inlet	13/01/2021 08:30:00	20,140
SWA002	Wq-Wadeye Pond 2 Inlet	10/02/2021 08:40:00	4,140
SWA002	Wq-Wadeye Pond 2 Inlet	10/03/2021 07:50:00	43,520
SWA002	Wq-Wadeye Pond 2 Inlet	14/04/2021 08:20:00	16,640
SWA002	Wq-Wadeye Pond 2 Inlet	12/05/2021 08:30:00	9,090
SWA002	Wq-Wadeye Pond 2 Inlet	09/06/2021 08:20:00	29,870
Mean			18,006
Median			16,640
SWA090	Wq-Wadeye Pond 2 Outlet	15/09/2015 8:30	92,080
SWA090	Wq-Wadeye Pond 2 Outlet	23/02/2016 9:30	12,360
SWA090	Wq-Wadeye Pond 2 Outlet	12/07/2016 9:35	109,100
SWA090	Wq-Wadeye Pond 2 Outlet	17/01/2017 9:30	7,230
SWA090	Wq-Wadeye Pond 2 Outlet	12/07/2017 8:00	155,310
SWA090	Wq-Wadeye Pond 2 Outlet	10/01/2018 8:00	92,080
SWA090	Wq-Wadeye Pond 2 Outlet	11/07/2018 8:15	48,840
SWA090	Wq-Wadeye Pond 2 Outlet	9/01/2019 8:00	4,950
SWA090	Wq-Wadeye Pond 2 Outlet	10/07/2019 08:00:00	88,400
SWA090	Wq-Wadeye Pond 2 Outlet	15/01/2020 08:30:00	22,820
SWA090	Wq-Wadeye Pond 2 Outlet	15/07/2020 08:50:00	81,640
SWA090	Wq-Wadeye Pond 2 Outlet	12/08/2020 07:50:00	9,590
SWA090	Wq-Wadeye Pond 2 Outlet	09/09/2020 08:30:00	13,330
SWA090	Wq-Wadeye Pond 2 Outlet	14/10/2020 08:50:00	9,590
SWA090	Wq-Wadeye Pond 2 Outlet	11/11/2020 08:50:00	5,910
SWA090	Wq-Wadeye Pond 2 Outlet	09/12/2020 08:50:00	2,530
SWA090	Wq-Wadeye Pond 2 Outlet	13/01/2021 08:45:00	14,140
SWA090	Wq-Wadeye Pond 2 Outlet	10/02/2021 08:50:00	3,050
SWA090	Wq-Wadeye Pond 2 Outlet	10/03/2021 08:10:00	30,760
SWA090	Wq-Wadeye Pond 2 Outlet	14/04/2021 08:40:00	11,450
SWA090	Wq-Wadeye Pond 2 Outlet	12/05/2021 08:50:00	11,870
SWA090	Wq-Wadeye Pond 2 Outlet	09/06/2021 08:40:00	19,890
No. of Samples			21
Mean			35,945
Median			13,330
95th percentile			109,100
Median Dry Season			34,365
Median Wet Season			11,450
Log Reduction			1.6
Warruwi			
SWR090	Wq-Warruwi Pond 2 Outlet	2/03/2016 0:00	6,050
SWR090	Wq-Warruwi Pond 2 Outlet	6/07/2016 9:00	11,000
SWR090	Wq-Warruwi Pond 2 Outlet	4/01/2017 9:00	5,570
SWR090	Wq-Warruwi Pond 2 Outlet	4/07/2017 10:00	17,230
SWR090	Wq-Warruwi Pond 2 Outlet	2/01/2018 9:30	16,070
SWR090	Wq-Warruwi Pond 2 Outlet	3/07/2018 9:00	8,330
SWR090	Wq-Warruwi Pond 2 Outlet	2/01/2019 9:00	16,240
SWR090	Wq-Warruwi Pond 2 Outlet	02/07/2019 10:30:00	3,410
SWR090	Wq-Warruwi Pond 2 Outlet	01/10/2019 07:30:00	29,090
SWR090	Wq-Warruwi Pond 2 Outlet	07/01/2020 07:20:00	3,270
SWR090	Wq-Warruwi Pond 2 Outlet	07/04/2020 08:00:00	1,350

SWR090	Wq-Warruwi Pond 2 Outlet	07/07/2020 11:00:00	12,340
SWR090	Wq-Warruwi Pond 2 Outlet	06/10/2020 09:00:00	11,530
SWR090	Wq-Warruwi Pond 2 Outlet	16/02/2021 08:18:00	18,600
SWR090	Wq-Warruwi Pond 2 Outlet	13/05/2021 09:15:00	48,840
No. of Samples			15
Mean			13,928
Median			11,530
95th Percentile			35,015
Median Dry Season			11,935
Median Wet Season			6,050
Yirrkala			
SYI001	Wq-Yirrkala Pond 1 Inlet	07/07/2020 07:40:00	328,200
SYI001	Wq-Yirrkala Pond 1 Inlet	18/08/2020 08:00:00	435,200
SYI001	Wq-Yirrkala Pond 1 Inlet	15/09/2020 07:55:00	104,600
SYI001	Wq-Yirrkala Pond 1 Inlet	20/10/2020 07:45:00	648,800
SYI001	Wq-Yirrkala Pond 1 Inlet	17/11/2020 07:45:00	52,000
SYI001	Wq-Yirrkala Pond 1 Inlet	15/12/2020 08:10:00	10,000
SYI001	Wq-Yirrkala Pond 1 Inlet	20/01/2021 08:00:00	198,630
SYI001	Wq-Yirrkala Pond 1 Inlet	23/03/2021 07:20:00	2,000
SYI001	Wq-Yirrkala Pond 1 Inlet	20/04/2021 08:10:00	461,100
SYI001	Wq-Yirrkala Pond 1 Inlet	18/05/2021 07:50:00	410,600
SYI001	Wq-Yirrkala Pond 1 Inlet	15/06/2021 08:20:00	172,300
SYI001	Wq-Yirrkala Pond 1 Inlet	06/07/2021 07:55:00	224,700
Mean			254,011
Median			211,665
SYI002	Wq-Yirrkala Pond 2 Inlet	07/07/2020 07:40:00	51,720
SYI002	Wq-Yirrkala Pond 2 Inlet	18/08/2020 08:00:00	241,960
SYI002	Wq-Yirrkala Pond 2 Inlet	15/09/2020 08:00:00	13,400
SYI002	Wq-Yirrkala Pond 2 Inlet	20/10/2020 07:50:00	75,400
SYI002	Wq-Yirrkala Pond 2 Inlet	17/11/2020 07:50:00	98,040
SYI002	Wq-Yirrkala Pond 2 Inlet	15/12/2020 08:17:00	2,419,601
SYI002	Wq-Yirrkala Pond 2 Inlet	20/01/2021 08:05:00	7,400
SYI002	Wq-Yirrkala Pond 2 Inlet	23/03/2021 07:00:00	1,000
SYI002	Wq-Yirrkala Pond 2 Inlet	20/04/2021 08:10:00	214,300
SYI002	Wq-Yirrkala Pond 2 Inlet	18/05/2021 08:05:00	45,900
SYI002	Wq-Yirrkala Pond 2 Inlet	15/06/2021 08:00:00	1,460
SYI002	Wq-Yirrkala Pond 2 Inlet	06/07/2021 08:00:00	5,830
Mean			264,668
Median			48,810
SYI090	Wq-Yirrkala Pond 2 Outlet	1/09/2015 9:45	3,448
SYI090	Wq-Yirrkala Pond 2 Outlet	1/03/2016 10:00	1,904
SYI090	Wq-Yirrkala Pond 2 Outlet	5/07/2016 10:10	13,540
SYI090	Wq-Yirrkala Pond 2 Outlet	3/01/2017 0:00	3,500
SYI090	Wq-Yirrkala Pond 2 Outlet	6/06/2017 9:50	22,820
SYI090	Wq-Yirrkala Pond 2 Outlet	2/01/2018 8:30	22,820
SYI090	Wq-Yirrkala Pond 2 Outlet	3/07/2018 14:10	57,940
SYI090	Wq-Yirrkala Pond 2 Outlet	18/12/2018 7:45	4,080
SYI090	Wq-Yirrkala Pond 2 Outlet	18/06/2019 07:45:00	14,830
SYI090	Wq-Yirrkala Pond 2 Outlet	02/09/2019 10:30:00	3,450
SYI090	Wq-Yirrkala Pond 2 Outlet	07/01/2020 07:50:00	29,090

SYI090	Wq-Yirrkala Pond 2 Outlet	09/06/2020 08:15:00	11,450
SYI090	Wq-Yirrkala Pond 2 Outlet	07/07/2020 07:40:00	15,650.0
SYI090	Wq-Yirrkala Pond 2 Outlet	18/08/2020 08:00:00	4,880
SYI090	Wq-Yirrkala Pond 2 Outlet	15/09/2020 08:10:00	1,200
SYI090	Wq-Yirrkala Pond 2 Outlet	20/10/2020 08:00:00	3,790
SYI090	Wq-Yirrkala Pond 2 Outlet	17/11/2020 08:00:00	6,020
SYI090	Wq-Yirrkala Pond 2 Outlet	15/12/2020 08:25:00	12,230
SYI090	Wq-Yirrkala Pond 2 Outlet	20/01/2021 08:10:00	5,380
SYI090	Wq-Yirrkala Pond 2 Outlet	23/03/2021 07:10:00	10,430
SYI090	Wq-Yirrkala Pond 2 Outlet	20/04/2021 08:10:00	8,390
SYI090	Wq-Yirrkala Pond 2 Outlet	18/05/2021 08:10:00	57,940
SYI090	Wq-Yirrkala Pond 2 Outlet	15/06/2021 08:10:00	3,450
SYI090	Wq-Yirrkala Pond 2 Outlet	06/07/2021 08:10:00	13,140
No. of Samples			23
Mean			14,258
Median			10,430
Median Dry Season			12,295
Median Wet Season			7,205
95th percentile			55,055
Log Reduction			1.3

Enterococci
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2,359

256

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8,664

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63.0

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835
46
4,566

970

310

19,863

2,660

410

24,197

50

98

410

1,870

100

10

200

213

83

161.0

3,225
262
20,947
360
131

50

520

155,310

5,040

5,420
3,150
100
173,290

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520
826
241,961
160
63

50
50

92,080
387,300
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24,196
241,961
19,350
1,600
100

50

120
156
185

33,299
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314,631
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32,700
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3,010

75,000

520

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410
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310
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10
260
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520
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24,810
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57,940
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13,400
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500
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223
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410

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173,290

12,230

510

11,530

100

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6,130
1,320
1,990
410
3,360
520
3,590
13,140
310.0
4,100
410
6,500
2,310
310
5,730
520
12,360
10,630
5,650
11,010
5,650

50

1,989

269

1,090

100
18,600
36,540
48,840
6,240
20
50

1,674
41
1,100
1,210
1,112

200
4,366
1,990
980
2,950
200
300
310
410
300
1,480
4,020
24,810
200
2,880
520
100
146
20
200
155
243
4,611
1,850

4,304
750
1,990
200
25,397



31,000
7,400
28,800
4,100
4,100
3,100

7,540
980
2,110
17,260
13,140
16,880
4,100
15,531
68,670
4,650
4,880
4,430
2,160
2,920
241,960
4,640
15,290
16,700
16,070
26,130
30,760
15,150
4,710
4,950
2,030
21,430
2,460
11,530
11,120
3,890
3,990
3,740
3,050
1,450
4,810
241,961
29,090
1,450
5,380
1,710
4,140
1,000
1,610
4,140
20,980
7,890
3,230
43,520
3,170
1,000

50

2,530

500

1,000

2,750

2,980

520

1,870

4,880

3,360

3,100

23,100

195,600

3,000

1,000

32,300

18,700

6,300

9,960

970

860

100

1,690

9,880

520

5,730

1,100

11,199

3,450

1,850

4,611

127,400

310

512

36,540

34,480

141,360

3,450

1,320

7,490

9,208

6,867

6,840

241,961

6,020

30,760

20,640

1,950

6,240

630

11,530

2,880

630

2,160

520

6,131

5,900

3,180

24,197

6,020

100

2,920

1,340

3,840

7,400

1,210

11,450

11,000

7,701

4,430

92,080

64,880

410

410

3,010

5,200

1,340

2,940

2,500

100

200

300

520

6,380

2,000

224,700

3,100

1,610

43,520

8,330

41

5,504

318

749

1,210

4,352

24,196

410
657
246
318
556
160
959
8,664
100
5,475

241,961

547,500
275,500
1,000
520
970
1,333
1,850
2,590

241,961

2,590
32,550
2,460
52
10,462
980
1,500
624
171
292
309
368
10,462
980,400
9,700
5,200
1,450
488
134
158
41,060
740

241,961

1,300
310
5,380
833
6,867
6,405
305

226
100
97
84
10
84
410
610
473
19,863
1,100
100
50
50
75

41
2,863
197
717
1,022
4,106
24,197
200
717
187
749
546
171
605
401
200
5,794

241,961

686,700
307,600
1,000
512
1,160
1,119
1,670
1,340
24,197
2,880
36,540
5,120
52
8,164
100
1,664

1,145
171
292
435
226
9,804
111,990
26,130
2,130
4,106
3,873
379
169
213
27,550
310

241,961

300

50

633

1,266

8,164

12,997

650

86

50

131

52

10

152

410

410

100

299

24,197

1,750

50

100

100

110

300

20

17,329

24,197

1,296

24,197

173,290

1,682

16,594

360
142
1,750
78,559

410

100

100
520

2,530
1,850

50

1,460

100

72,700

12,570

92,080

860

1,750

1,420

9,340

32,820
100

50

50

2530
1850

200

50

100
100.0

1,317
200

11,509
1,089
73,669
1,750
100

32,000
6,300

32,700
36,540

14,800

18,900
36,540
9,700
20,980
1,320
36,540
22,393
20,980
19,890
1,460
12,910
46,110
92,080
23,820
38,730
7,330
4,790
9,590
29,090
25,982
19,890
92,080
17,230
630
520
3,500
<i>241,961</i>
<i>241,961</i>
1,220
155,310
4,960
241,961
3,270
24,150
100
1,210
19,560
29,090
6,500
7,270
<i>24,197</i>
<i>241,961</i>
198,630
129,970
73,358
19,560
241,961
17,230
21,879

1,500

100

100

8,840

2,260

4,730

7,540

520

839
410
1,100
1,970
3,830
2,060
730.0
27,550
11,780

4,462

1,970

14,934

2,160

915

5

1,950

200

200

200

2,850

316

310

910

50

100

50

6,488
20
300.0
200

884

200

3,760

258

200

3,170
2,430
5,560
4,100
300
72,700
28,800
26,130
88,200
155,300

241,960
11,000
23,100
16,000
79,800
53,700
11,000
141,360
46,110
57,300
92,080
22,800
5,040
9,800
49,500
75,400
23,590
12,870
12,660
45,500
41,400.0
98,040

241,961

175,000
58,049
35,100

200
50
980
50
980
50
2,460
630
860
30,760

10,140
1,580
1,080
11,190

7,430
8,820
1,460
22,820
18,600
7,540
16,640
2,410
860
410
7,630
9,590
2,620
4,590
5,480
8,090
26,130.0
6,020
17,850
4,640
7,078
4,615

50

6,440

950

1,690

100

200

200

100

20

740

24,197

520

50

100

100

100

1,918

860
3,770
520
970
740
850
410
7,760
17,820
410

50

50

410
100
1,610
410

50

410
2,010
11,190
3,990
200
1,112
2,590

2,336

520

465

520

11,190

1.4

12,100

2,280

2,419,600

488,400

4,350

115,300

7,670

4,280

173,290

4,890

88,000
98,000
5,380
4,260
241,960
7,890

50

500

200
205,435
5,135
874,640

750

2,920

1,203,300

7,380

1,340

198,630

1,870
3,230
1,070
4,570
134,000
6,240
2,880
241,961
13,740
241,961
36,540
2,310
3,130
520
1,259,000
241,961
209,800
18,900
3,090
8,780
1,340
61,310
18,600
6,300
78,587
5,945
3,130
10,845
241,961
0.4
30,000
209,000
19,900
209,800
56,500
307,600
1,000
11,000
20,100
112,400
81,300
96,236
56,500
500
3,100
740
241,961

1,000
2,000
100
1,460
3,410
61,310
29,330
31,356
2,000
14,136
520
3,240
200
1,340
6,310
300
100
2,280
410
1,830
410
1,730
960
64,880
<i>50</i>
1,930
1,450
980
2,160
64,880
48,840
9,752
1,450
64,880
1,780
980
2.2
<i>50</i>
200
2,014
1,990
241,961
8,330
241,961
100
980
1,810
<i>50</i>

1,600
310
100
1,080
33,502
1,080
241,961
1,030
1,810
21,100
3,100
3,100
3,100
2,330
60,150
8,420
750
21,430
8,800
2,750
12,360
12,283
5,760
<i>241,961</i>
<i>241,961</i>
1,000
960,600
48,840
155,310
1,000
<i>50</i>
<i>241,961</i>
2,000
3,910
630
158,269
26,375
19,863
3,360
850
630
<i>50</i>
27,550
3,500
1,550
500
26,030
30,760

4,350
241,961
8,160
1,710
241,961
3,790
21,410
200
200
4,950
3,880
4,740
1,100
27,530
3,790
4,115
3,575
220,841

[illegible]

Collected Date	Physical-Chemical		
	pH (pH units)	EC (mS/cm)	DO (mg/L)
	Field Tested	Field Tested	Field Tested
17/12/2019 13:11:07	7.53	53.9	2.68
23/01/2020 13:36:03	6.59	1.423	3.87
13/02/2020 10:08:00	7.09	47.4	3.31
05/03/2020 10:50:00	6.8	3.05	4.15
22/04/2020 04:59:00	6.72	3.17	4.17
28/05/2020 10:35:00	7.03	50.8	3.6
25/06/2020 10:20:00	7.69	53.3	3.9
29/07/2020 11:51:00	7.82	41.6	4.48
13/08/2020 10:57:00	7.06	45.4	3.03
10/09/2020 09:59:00	6.83	57.0	3.1
08/10/2020 09:45:00	7.01	26.5	5.78
19/11/2020 09:50:00	7.39	55.9	3.08
10/12/2020 11:30:00	7.06	49.9	3.2
07/01/2021 11:34:00	7.16	6.18	4.17
18/02/2021 12:20:00	7.4	6.58	5.02
16/03/2021 10:20:00	5.9	24.1	4.12
22/04/2021 13:58:00	7.8	3.78	4.33
20/05/2021 10:41:00	7.27	9.81	4.78
17/06/2021 12:13:00	7.37	44.3	3.73
No. of Samples	20		
Mean	7.13	30.74	3.92
Median	7.11	36.17	3.91
Dry Season Median	7.17	44.85	3.82
Wet Season Median	7.09	6.58	4.12
95th Percentile	7.80	55.96	5.06

Parameters				Biologi
DO % Saturation	Turbidity (NTU)	SS (mg/L)	Temperature (deg C)	BOD (mg/L)
Field Tested	Field Tested		Field Tested	
36.5	16.9	79	31.3	0.5
54.6	89.7	104	33.65	2.8
48.9	7.85	135	30.42	0.5
53.3	29.7	3	30.21	1
55.6	37.6	50	31.1	1
52.3	5.44	5	25.57	1
58.5	8.88	6	25.38	1
61.1	8.61	16	22.94	1
44.3	10.5	12	26.7	1
49.0	5.26	6	28.95	1
79.9	314.0	28	26.74	1
50.3	9.23	13	31.77	1
53.2	12.4	17	31.8	1
57.1	26.0	21	30.26	1
84.7	6.82	9	29.85	1
54.9	16.5	15	28.41	1
60.6	10.8	10	31.69	4.0
62.4	11.0	4	27.22	1
57.0	5.32	1	28.02	1
56.54	33.29	28.08	29.05	1.20
55.25	10.90	13.00	29.45	1.00
57.75	8.75	6.00	26.72	1.00
54.60	16.50	17.00	31.10	1.00
80.14	100.92	107.10	31.89	2.92

cal Parameters	Nutrient Parameters				
Chlorophyll-a (ug/L)	NH3-N Free (mg/L)	NOX - N (mg/L)	Total N (mg/L)	FRP (mg/L)	TP (mg/L)
1.62	0.0025	0.0015	0.4	0.009	0.035
1.93	0.3	0.14	0.55	0.01	0.084
1.79	0.0025	0.025	1.97	0.032	0.028
1.49	0.0025	0.006	0.1	0.007	0.028
2.91	0.0025	0.013	0.22	0.01	0.011
1.55	0.013	0.004	1.83	0.012	0.028
1.37	0.005	0.004	1.29	0.016	0.039
4.42	0.008	0.0015	1.84	0.004	0.046
3.03	0.0025	0.009	1.62	0.02	0.038
1.66	0.0025	0.0015	0.7	0.004	0.041
0.97	0.0030	0.0015	0.67	0.004	0.033
2.6	0.0025	0.02	0.75	<0.003	0.039
7.59	0.0025	0.0015	1.05	0.017	0.06
3.39	0.027	0.015	0.25	<0.003	0.036
2.41	0.01	0.009	0.15	0.006	0.012
2.52	0.008	0.0015	0.09	0.003	0.033
4.91	0.0025	0.014	0.07	0.007	0.022
1.47	0.0025	0.0015	0.17	0.006	0.025
5.22	0.0025	0.0015	0.5	0.009	0.028
2.78	0.02	0.01	0.75	0.01	0.04
2.41	0.00	0.00	0.55	0.01	0.03
1.61	0.00	0.00	1.00	0.01	0.04
2.52	0.00	0.01	0.25	0.01	0.03
5.46	0.05	0.04	1.85	0.02	0.06

Pathogen Indicators	
<i>E. coli</i> (cfu/100mL)	Enterococci (cfu/100ml)
2,178	10
145	52
1,354	20
175	5
281	86
933	20
627	5
850	50
1,281	5
657	10
156	121
243	31
11,530	19,350
148	98
98	31
300	246
110	10
63	20
241	10
19	
1124.74	1062.11
281.00	20.00
642.00	15.00
243.00	31.00
3113.20	2156.40



























Community	Annual Mean Discharge Volume 2021-21 (kL/day)	Berrimah DP (2019-20)
Acacia Larrakia	9	590
Barunga	103	590
Belyuen	85	590
Beswick	151	590
Galiwinku	506	590
Gapuwiyak	233	590
Gunbalanya	375	590
Kalkarindji	144	590
Maningrida	687	590
Manthathpe	21	590
Milikapiti	263	590
Milingimbi	816	590
Minjilang	92	590
Nauiyu	180	590
Nganmarriyanga	85	590
Ngukurr	312	590
Numbulwar	168	590
Peppimenarti	86	590
Pirlangimpi	225	590
Ramingining	187	590
Wadeye	285	590
Warruwi	219	590
Wurrumiyanga	566	590
Yirrkala	241	590